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CS-24-464

AGREEMENT BETWEEN OWNER AND CONTRACTOR FOR CONSTRUCTION CONTRACT (STIPULATED PRICE)

This Agreement is by and between **NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS** ("Owner") and **ANDERSON COLUMBIA CO., INC.** ("Contractor").

Terms used in this Agreement have the meanings stated in the General Conditions and the Supplementary Conditions.

Owner and Contractor hereby agree as follows:

ARTICLE 1—WORK

Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows: resurfacing and safety improvements of County Road 121 from the Duval County line to County Road 119 (Phase 1). All work shall be in accordance with the construction drawings, specifications, and Contract Documents. Where FDOT and County requirements differ, then the more stringent shall apply.

ARTICLE 2—THE PROJECT

2.01 The Project, of which the Work under the Contract Documents is a part, is generally described as follows: reconstruction and resurfacing of County Road 121 from the Duval County line to County Road 119 (Phase 1) and includes the following:

A. Clearing and grubbing

B. Subsoil Excavation

C. Full depth reconstruction of 6.845 miles of CR 121

D. Milling and resurfacing of 0.576 miles of CR 121

E. Replace one triple-8'x6' concrete box culvert with one double-12'x6' concrete box culvert

F. Replace one double-8'x4' concrete box culvert with one the same size

G. Extend one double-8'x4' concrete box culvert on two sides

H. Replacement of guardrail

I. Installation of pavement markings

J. Shoulder grading and placement of performance turf and sod

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ARTICLE 3—ENGINEER

3.01 The Owner has retained Kimley-Horn and Associates, Inc. ("Engineer") to act as Owner's representative, assume all duties and responsibilities of Engineer, and have the rights and authority assigned to Engineer in the Contract.

3.02 The part of the Project that pertains to the Work has been designed by Engineer.

ARTICLE 4—CONTRACT TIMES

4.01 *Time is of the Essence*

A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.02 *Contract Time: Days*

The Work will be substantially complete within **500** calendar days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within **45** calendar days from the date of substantial completion. Total contract time shall be **545** calendar days; for everyday the work goes beyond substantial completion; a day will be removed from final completion so the total days equal **545** calendar days.

4.03 *Liquidated Damages*

A. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial and other losses if the Work is not completed and Milestones not achieved within the Contract Times, as duly modified. The parties also recognize the delays, expense, and difficulties involved in proving, in a legal or arbitration proceeding, the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty):

1. *Substantial Completion:* Contractor shall pay Owner $**7,442** for each day that expires after the time (as duly adjusted pursuant to the Contract) specified above for Substantial Completion, until the Work is substantially complete.

2. *Completion of Remaining Work:* After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times (as duly adjusted pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Owner $**7,442** for each day that expires after such time until the Work is completed and ready for final payment.

3. Liquidated damages for failing to timely attain Milestones, Substantial Completion, and final completion are not additive, and will not be imposed concurrently.

B. If Owner recovers liquidated damages for a delay in completion by Contractor, then such liquidated damages are Owner's sole and exclusive remedy for such delay, and Owner is precluded from recovering any other damages, whether actual, direct, excess, or consequential, for such delay, except for special damages (if any) specified in this Agreement.

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4.04 *Special Damages*

A. Contractor shall reimburse Owner (1) for any fines or penalties imposed on Owner as a direct result of the Contractor's failure to attain Substantial Completion according to the Contract Times, and (2) for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Substantial Completion (as duly adjusted pursuant to the Contract), until the Work is substantially complete.

B. After Contractor achieves Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times, Contractor shall reimburse Owner for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Work to be completed and ready for final payment (as duly adjusted pursuant to the Contract), until the Work is completed and ready for final payment.

C. The special damages imposed in this paragraph are supplemental to any liquidated damages for delayed completion established in this Agreement.

ARTICLE 5—CONTRACT PRICE

5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents, subject to adjustment under the Contract:

A. For all Work, at the prices stated in Contractor's Bid, attached hereto as an exhibit.

ARTICLE 6—PAYMENT PROCEDURES

6.01 *Submittal and Processing of Payments*

A. Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Owner as provided in the General Conditions. With each payment application the Contractor shall provide an updated baseline schedule reflecting current progress, adjustments to the critical path, and any approved changes to the original project timeline.

6.02 *Progress Payments; Retainage*

A. Owner shall make progress payments on the basis of Contractor's Applications for Payment once each month during performance of the Work as provided in Paragraph 6.02.A.1 below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no Schedule of Values, as provided elsewhere in the Contract.

1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract.

a. 95 percent of the value of the Work completed (with the balance being retainage).

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b. 95 percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage)

6.03 *Final Payment*

A. Upon final completion and acceptance of the Work, Owner shall pay the remainder of the Contract Price in accordance with Paragraph 15.06 of the General Conditions.

6.04 *Consent of Surety*

A. Owner will not make final payment, or return or release retainage at Substantial Completion or any other time, unless Contractor submits written consent of the surety to such payment, return, or release.

6.05 *Interest*

A. All amount not paid when due will bear interest at the rate as set forth in the Local Government Prompt Payment Act as set forth in Section 218.70 et. Al. of Florida Statutes.

ARTICLE 7—CONTRACT DOCUMENTS

7.01 *Contents*

A. The Contract Documents consist of all of the following:

1. This Agreement.
2. Bonds:
   a. Performance bond (together with power of attorney).
   b. Payment bond (together with power of attorney).
3. General Conditions.
4. Supplementary Conditions.
5. Specifications as listed in the table of contents of the project manual (copy of list attached). *(Exhibit A - County ITB as Modified by Addenda)*
6. Drawings listed on the attached sheet index.
7. Addenda (numbers **[1]** to **[4]**, inclusive).
8. Contractor's Bid Response *(Exhibit B)*
9. Exhibits to this Agreement (enumerated as follows):
   a. Appendix A – FDOT FPID 449196-1-54-01
   b. Appendix B – Road Closure Policy
   c. Appendix C – Nassau County As-Built Requirements Checklist
   d. Appendix D – CR 121 Ph 1. FINAL PLANS REVISED
   e. Appendix E – Geotechnical Investigation
   f. Appendix F – Geotechnical Report (Culvert Extensions)
   g. Appendix G – Utility Work Schedule

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h. Appendix H – SJRWMD Approved General Permit

i. Florida Department of Transportation (FDOT) Bridge Structure Number Request Form (744321)

j. Appendix J – Nassau County Concrete Box Culvert Structure Number Request Form (7436)

k. Appendix K – Technical Specifications

l. Appendix L – Insurance Requirements

m. Appendix M – Bid Schedule

n. Appendix N – E-Verify Affidavits

o. Appendix O – Affidavits – Anti-Human Trafficking / Contracting with Foreign Entities

10. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:

a. Notice to Proceed.

b. Work Change Directives.

c. Change Orders.

d. Field Orders.

e. Warranty Bond, if any.

B. The Contract Documents listed in Paragraph 7.01.A are attached to this Agreement (except as expressly noted otherwise above).

C. There are no Contract Documents other than those listed above in this Article 7.

D. The Contract Documents may only be amended, modified, or supplemented as provided in the Contract.

ARTICLE 8—REPRESENTATIONS, CERTIFICATIONS, AND STIPULATIONS

8.01 *Contractor's Representations*

A. In order to induce Owner to enter into this Contract, Contractor makes the following representations:

1. Contractor has examined and carefully studied the Contract Documents, including Addenda.

2. Contractor has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

3. Contractor is familiar with all Laws and Regulations as defined in the Standard General Conditions of the Construction Contract as contained in the ITB that may affect cost, progress, and performance of the Work. Contractor understands and agrees that the County's Code of Ordinances shall supersede any FDOT Standard Specifications.

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4. Contractor has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.

5. Contractor has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.

6. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (c) Contractor's safety precautions and programs.

7. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.

8. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.

9. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.

10. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

11. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

8.02 *Contractor's Certifications*

A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 8.02:

1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process or in the Contract execution;

2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner,

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(b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;

3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and

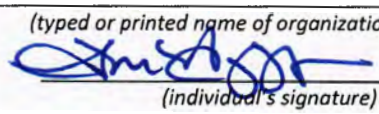
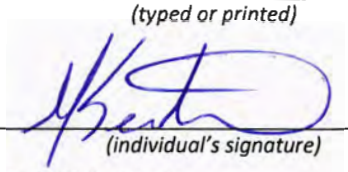
4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

8.03 *Standard General Conditions*

A. Owner stipulates that if the General Conditions that are made a part of this Contract are EJCDC® C-700, Standard General Conditions for the Construction Contract (2018), published by the Engineers Joint Contract Documents Committee, and if Owner is the party that has furnished said General Conditions, then Owner has plainly shown all modifications to the standard wording of such published document to the Contractor, through a process such as highlighting or "track changes" (redline/strikeout), or in the Supplementary Conditions.

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IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement which shall be deemed an original on the day and year last written below, and which is the Effective Date of the Agreement.

Owner:	Contractor:
NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS	ANDERSON COLUMBIA CO., INC.
(typed or printed name of organization)	*(typed or printed name of organization)*
By: 	By: E. Tony Williams Jr
(individual's signature)	*(individual's signature)*
Date: 7/28/2025	Date: 7/16/2025
(date signed)	*(date signed)*
Name: A.M. "HUPP" HUPPMANN	Name: E. Tony Willliams Jr.
(typed or printed)	*(typed or printed)*
Title: Chair	Title: Vice President
(typed or printed)	*(typed or printed)*
	*(If **[Type of Entity]** is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)*
Attest: 	Attest:
(individual's signature)	*(individual's signature)*
Title: Ex-Officio Clerk	Title:
(typed or printed)	*(typed or printed)*
Address for giving notices:	Address for giving notices:
96135 Nassau Place	871 NW Geurdon Street
Yulee, FL 32097	Lake City, FL 32055
Approved to form by County Attorney:	
Name: Denise C. May, Esq., BCS	Name:
(typed or printed)	
Title: County Attorney	Title:
(typed or printed)	

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EXHIBIT "A"

County Invitation to Bid as Modified by Addenda

Resurfacing and Safety Improvements CR 121 from Duval County Line to CR 119 (Phase 1)

INVITATION TO BID (ITB)

Bid No. NC25-012-ITB

FPID 449196-1-54-01

Nassau County
Board of County Commissioners
Nassau County, Florida

PROJECT MANUAL

CONTAINING

BIDDING REQUIREMENTS

CONTRACTOR'S PROPOSAL AGREEMENT

GENERAL CONDITIONS

SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS

Prepared By: Kimley-Horn

April 2025

12740 Gran Bay Parkway, Ste. 2350

Jacksonville, FL 32258

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APPENDIX A

Florida Department of Transportation (FDOT) State Funded Grant Agreement, Financial Project No. 449196-1-54-01

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Nassau County - Road Closure Policy

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Anti-Human Trafficking Affidavit

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DIVISION 00

PROCUREMENT & CONTRACTING REQUIREMENTS

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SECTION 00 11 10

ADVERTISEMENT FOR BIDS

PROJECT: CR 121 from Duval County Line to CR 119
Bid Number NC25-012-ITB
Nassau County, Florida

OWNER: Board of County Commissioners
Nassau County, Florida
96135 Nassau Place, Suite 1
Yulee, Florida 32097

ENGINEER: Jessica Novak, P.E.
12740 Gran Bay Parkway
Ste. 2350
Jacksonville, FL 32258

NON-MANDATORY PRE-BID CONFERENCE: Pre-Bid Conference for the project will be held on April 17, 2025, at 2 p.m.

LOCATION OF NON-MANDATORY PRE-BID CONFERENCE: 96135 Nassau Place, Yulee, FL 32097 in the BOCC Chambers.

DEADLINE FOR QUESTIONS: April 23, 2025 at 4:00 P.M.
Submit question via PlanetBids
https://pbsystem.planetbids.com/ portal/49083/portal-home

BID DEADLINE: May 7, 2025 at 10:00 A.M.

BID OPENING: May 7, 2025 at 10: 00 A.M.
Robert M. Foster Justice Center
Office of the Ex-Officio Clerk
76347 Veterans Way, Suite 456
Yulee, Florida 32097

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1.0 WORK DESCRIPTION

This project consists of the reconstruction and resurfacing of County Road 121 from Duval County line to County Road 119. The work to be performed is generally described as roadway reconstruction and includes the following:

- **Clearing and grubbing**
- **Subsoil Excavation**
- **Full depth reconstruction of 6.845 miles of CR 121**
- **Milling and resurfacing of 0.576 miles of CR 121**
- **Replace one triple-8'x6' concrete box culvert with one double-12'x6' concrete box culvert**
- **Replace one double-8'x4' concrete box culvert with one the same size**
- **Extend one double-8'x4' concrete box culvert on two sides**
- **Replacement of guardrail**
- **Installation of pavement markings**
- **Shoulder grading and placement of performance turf and sod**

All work shall be in accordance with the construction drawings, specifications, and contract documents. **BIDDERS MUST BE FDOT PRE-QUALIFIED FOR ALL CATEGORIES OF WORK REQUIRED FOR THIS PROJECT.**

2.0 RECEIPT OF BIDS

ALL BIDDERS must be qualified for the type of work for which the BID is submitted. All bids MUST be submitted using the County's e-bidding platform, PlanetBids, accessible via https://pbsystem.planetbids.com/portal/49083/portal-home.

3.0 CONTRACT DOCUMENTS

The CONTRACT DOCUMENTS, consisting of ADVERTISEMENT FOR BIDS, INFORMATION FOR BIDDERS, BID, BID BOND, AGREEMENT, GENERAL CONDITIONS, SUPPLEMENTAL GENERAL CONDITIONS (IF APPLICABLE), PAYMENT BOND, PERFORMANCE BOND, NOTICE OF AWARD, NOTICE TO PROCEED, CHANGE ORDER, DRAWINGS, SPECIFICATIONS, SPECIAL CONDITIONS and ADDENDA, may be examined free-of-charge using the County's vendor portal, accessible via https://pbsystem.planetbids.com/portal/49083/portal-home.

4.0 BONDS (BID, PERFORMANCE AND PAYMENT)

BIDS must be accompanied by a Certified Check or BID BOND of a reputable bonding company authorized to do business in the State of Florida in the amount of five percent (5%) of the total amount of the BID to guarantee that the Contractor will enter into a Contract in the form prescribed and will provide the required bonds for the project.

The successful BIDDER(s) must provide an acceptable contract PERFORMANCE BOND in the amount of one hundred percent (100%) of the Contract Price, and a PAYMENT BOND in the amount of one hundred percent (100%) of the Contract Price. **An electronic copy must be included as part of the submission, and originals must be sent to the County Clerk's Office by the time of the Bid Opening.**

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BONDS SHALL BE ADDRESSED TO:
Board of County Commissioners
Office of the Ex-Officio Clerk
Attn: NC25-012-ITB
76347 Veterans Way, Suite 456
Yulee, Florida 32097

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5.0 BID WITHDRAWAL

No BIDS may be withdrawn for a period of one-hundred and twenty (120) days after closing time scheduled for receipt of BIDS.

6.0 RIGHT TO REJECT

The OWNER reserves the right to reject any and all BIDS and waive all informalities in whole or in part, with or without cause, and/or to accept the bid that, in its best judgment, will be for the best interest of Nassau County, Florida.

7.0 PUBLIC ENTITY CRIME

A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a proposal/bid on a contract to provide any goods or services to a public entity, may not submit a proposal/bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit a proposal/bid on leases or real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor or consultant under contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017. Florida Statutes, for Category Two for a period of thirty- six months from the date of being placed on the convicted vendor list.

8.0 INFORMATION CONTACT

For further information or clarification, prospective bidders should submit questions via PlanetBids to be addressed via addendum.

9.0 DISABILITIES REQUIRING ACCOMMODATION

Persons with disabilities requiring accommodation in order to participate in this program or activity should contact the Office of the Ex-Officio Clerk to the Board of County Commissioners at (904) 548- 4600 or Florida Relay Service at 1-800-955-8770 (v) or 1-800-955-8771 (TDD) at least seventy-two hours in advance to request such accommodation.

10.0 PUBLIC MEETINGS AND PUBLIC RECORDS LAWS FOR GOVERNMENT CONTRACTING

Effective July 1, 2012

Pursuant to recent changes in Florida Statutes Chapter 119.071 (General Exemptions from inspection or copying of public records) the bid opening process is temporarily exempt from Public Records requirements, except bids received pursuant to a competitive solicitation for construction or repairs on a public building or public work. Information may be released to the public once the Board provides a notice of intended decision or 30 days after the bid opening, whichever is earlier.

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Pursuant to recent changes in Florida Statutes Chapter 286.0113 (General exemptions from public meeting requirements) any portion of a meeting in which negotiations with a vendor is conducted as part of the "competitive negotiation" process at which a vendor makes an oral presentation or answers questions as part of the "competitive solicitation" process are exempt from public meeting requirements until the Board provides notice of an intended decision or until 30 days after bid opening, whichever is earlier. Any portion of a committee meeting at which negotiation strategies are discussed is exempt.

A complete record shall be made of any portion of an exempt meeting; no portion may be held off the record. The recording of and any records presented at the exempt meeting are exempt from FS119.071 until such time as the board provides notice of an intended decision or 30 days after opening the bids, proposals, or final replies.

Please refer to Florida Statutes Chapter 119.071, Chapter 255.0518, and Chapter 286.0113 for further details.

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SECTION 00 21 15

INSTRUCTIONS TO BIDDERS

ARTICLE 1 DEFINED TERMS

1 .01 Terms used in these Instructions to Bidders will have the meanings indicated in the General Conditions and Supplementary Conditions. Additional terms used in these Instructions to Bidders have the meanings indicated below which are applicable to both the singular and plural thereof:

A. Bidder - The individual or entity who submits a Bid directly to the County.

B. Issuing Office - The office from which the Bidding Documents are to be issued and where the bidding procedures are to be administered.

C. Successful Bidder - The lowest responsible Bidder submitting a responsive Bid to whom County (on basis of County's evaluation as herein provided) makes an award.

ARTICLE 2 COPIES OF BIDDING DOCUMENTS

2.01 Complete sets of Bidding Documents stated in the Advertisement or Invitation to Bid may be obtained from the Issuing Office via the County's e-bidding platform at no charge.

2.02 Complete sets of Bidding Documents must be used in preparing Bids; neither the County nor Engineer of Record assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

2.03 The County and Engineer of Record in making copies of Bidding Documents available on the above terms do so only for the purpose of obtaining Bids for the Work and do not confer a license or grant for any other use.

ARTICLE 3 QUALIFICATIONS OF BIDDERS

3.01 The County may make such investigations as necessary to determine the ability of the Bidder to perform the Work, and the Bidder shall furnish to the County all such information and data for this purpose as the County may request. The County reserves the right to reject any bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the County that such Bidder is properly qualified to carry out the obligations of the contract and to complete the work contemplated therein. Conditional bids will not be accepted.

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3.02 To demonstrate Bidder's qualifications to perform the Work, Bidder shall submit written evidence such as financial data, previous experience, present commitments, and such other data as may be called for in Bidder's Qualification Statement.

ARTICLE 4 EXAMINATION OF BIDDING DOCUMENTS, OTHER RELATED DATA, ANDSITE

4.01 Subsurface and Physical Conditions

A. The Supplementary Conditions identify:

1. Those reports or explorations and tests of subsurface conditions at or contiguous to the Site that Engineer of Record has used in preparing the Bidding Documents.

2. Those drawings of physical conditions in or relating to existing surface and subsurface structures at or contiguous to the Site (except Underground Facilities) that Engineer of Record has used in preparing the Bidding Documents.

B. Copies of the reports and drawings referenced in paragraph 4.01.A will be made available by the County to any Bidder on request. Those reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which Bidder is entitled to rely as provided in paragraph 5.03 of the General Conditions has been identified and established in paragraph 4.02 of the Supplementary Conditions. Bidder is responsible for any interpretation or conclusion Bidder draws from any "technical data" or any other data, interpretations, opinions, or information contained in such reports or shown or indicated in such drawings.

4.02 Underground Facilities

Information and data shown or indicated in the Bidding Documents with respect to existing Underground Facilities at or contiguous to the Site is based upon information and data furnished to the County and Engineer of Record by the Utility Owner of such Underground Facilities, including the County, or others.

4.03 Hazardous Environmental Conditions

A. The Supplementary Conditions identify those reports and drawings relating to a Hazardous Environmental Condition identified at the Site, if any, that Engineer of Record has used in preparing the Bidding Documents.

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B. Copies of reports and drawings referenced in paragraph 4.03.A will be made available by the County to any Bidder on request. Those reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which Bidder is entitled to rely as provided in paragraph 5.06 of the General Conditions has been identified and established in paragraph 4.06 of the Supplementary Conditions. Bidder is responsible for any interpretation or conclusion Bidder draws from any "technical data" or any other data, interpretations, opinions, or information contained in such reports or shown or indicated in such drawings.

4.04 Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to subsurface conditions other physical conditions and Underground Facilities, and possible changes to Bidding Documents due to offering or unanticipated conditions appear in paragraphs 5.03, 5.04, and 5.05 of the General Conditions. Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to a Hazardous Environmental Condition at the Site, if any, and possible changes in the Contract Documents due to any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in the Drawings and Specifications or identified in the Contract Documents to be within the scope of Work appear in paragraph 5.06 of the General Conditions.

4.05 On request, the County will provide Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies Bidder deems necessary for submission of a Bid. Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies.

4.06 Reference is made to Article 8 of the General Conditions for the identification of the general nature of other work that is to be performed at the Site by the County or others (such as utilities and other prime contractors) that relates to the Work for which a Bid is to be submitted. On request, the County will provide to each Bidder for examination access to or copies of Contract Documents (other than portions thereof related to price) for such other work.

4.07 It is the responsibility of each Bidder before submitting a Bid to:

A. Examine and carefully study the Bidding Documents, including any Addenda and other related data identified in the Bidding Documents;

B. Visit the site to become familiar with and satisfy Bidder as to the general, local and Site conditions that may affect cost, progress, and performance of the Work;

C. Become familiar with and satisfy Bidder as to all federal, state, and local Laws and Regulations that may affect cost, progress, or performance of the Work;

D. Carefully study all reports of explorations and tests or subsurface conditions at or

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contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in the Supplementary Conditions as provided in paragraph 5.03 of the General Conditions, and carefully study all reports and drawings or a Hazardous Environmental Condition, if any, at the Site which have been identified in the Supplementary Conditions as provided in paragraph 5.06 of the General Conditions;

E. Obtain and carefully study (or assume responsibility for doing so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents, and safety precautions and programs incident thereto;

F. Agree at the time of submitting its Bid that no further examinations, investigations. explorations, tests, studies, or data are necessary for the determination of its Bid for performance of the Work at the price bid and within the times and in accordance with the other terms and conditions of the Bidding Documents;

G. Become aware of the general nature of the work to be performed by the County and others at the Site that relates to the Work as indicated in the Bidding Documents;

H. Correlate the information known to Bidder, information and observations obtained from visit to Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents;

I. Promptly give Engineer of Record written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder discovers in the Bidding Documents and confirm that the written resolution thereof by Engineer of Record is acceptable to Bidder and;

J. Determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of Work.

4.08 Each bidder must inform himself fully of the conditions relating to the construction of the project and the employment of labor thereon. Failure to do so will not relieve a successful bidder of his obligation to furnish all material and labor necessary to carry out the provisions of this contract. Insofar as possible the contractor, in carrying out the work, must employ such methods or means as will not cause any interruption of or interference with the work of any other contractor.

4.09 The submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder

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has complied with every requirement of this Article 4, that without exception the Bid is premised upon performing and furnishing the Work required by the Bidding Documents and applying any specific means, methods, techniques, sequences, and procedures of construction that maybe shown or indicated or expressly required by the Bidding Documents, that Bidder had given Engineer of Record written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents and written resolutions thereof by Engineer of Record are acceptable to Bidder, and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.

ARTICLE 5 PRE-BID CONFERENCE

5.01 There will be a non-mandatory pre-bid conference/meeting for this project. The pre-bid conference will be held on April 17, 2025, at 2 p.m. at 96135 Nassau Place, Yulee, FL 32097 in the BOCC Chambers.

ARTICLE 6 SITE AND OTHER AREAS

6.01 The Site is identified in the Bidding Documents. All additional lands and access thereto required for temporary construction facilities, construction equipment, or storage of materials and equipment to be incorporated in the Work are to be obtained and paid for by Contractor. Easements for permanent structures or permanent changes in existing facilities are to be obtained and paid for by the County unless otherwise provided in the Bidding Documents.

ARTICLE 7 INTERPRETATIONS AND ADDENDA

7.01 **No interpretation of the meaning of the plans, specification or other pre-bid documents will be made to any bidder orally. Bidders are required to refrain from contacting any County Departments or Divisions about this solicitation during the solicitation process. ANY QUESTIONS FROM BIDDERS MUST BE RECEIVED VIA THE COUNTY'S ELECTRONIC BIDDING PLATFORM - https://pbsystem.planetbids.com/portal/49083/portal-home.** Failure to comply with this requirement may result in disqualification of your response and egregious and/or repeated violations may result in debarment from future solicitations, contracts, or other business with the County. All questions must be submitted on PlanetBids by **April 23, 2025 @ 4:00 PM.**

7.02 Any and all such interpretations and any supplemental instructions will be in the form of written addenda not later than 72 hours prior to the date fixed for the opening of bids.

7.03 Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by the County or Engineer of Record. It will be the responsibility of the Bidder to visit the County's electronic bidding platform – prior to submitting a response – to ascertain if any addenda have been issued and to review those addenda, if applicable.

7.04 Bidders are required to acknowledge the number of addenda received on the Bid Form, section 3.01.A. Failure of any bidder to receive any such addendum or interpretation shall not relieve such bidder from any obligation under the bid as submitted. All addenda so issued shall become part of the contract documents.

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ARTICLE 8 BID SECURITY

8.01 A Bid must be accompanied by cash, certified check of the Bidder, or a bid bond prepared on the form of bid bond attached hereto, duly executed by the Bidder as principal and having as surety thereon a surety company approved by the County, in the amount of 5% of the Bid. Cash, checks and bid bonds will be returned to all except the three lowest bidders. After award by the Board, the remaining cash checks or bid bonds will be returned promptly after the County and the accepted bidder have executed the contract, or, if no award has been made within 30 days after the date of the opening of Bids, upon demand of the Bidder at any time thereafter, so long as notification of the acceptance of the Bid has not taken place.

8.02 Bid security of other Bidders whom the County believes do not have a reasonable chance of receiving the award will be returned within seven days after the Bid opening.

ARTICLE 9 CONTRACT TIMES

9.01 The number of days within which, or the dates by which, the Work is to be (a) Substantially Completed and (b) also completed and ready for final payment are set forth in the Bid Form.

ARTICLE 10 LIQUIDATED DAMAGES

10.01 The successful bidder, upon failure or refusal to execute and deliver the contract and bonds required within 10 days after receipt of notice of the acceptance of the bid, shall forfeit to the County, as liquidated damages for such failure or refusal, the security deposited with the bid.

ARTICLE 11 SUBSTITUTE AND "OR-EQUAL" ITEMS

11.01 The Contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute "or-equal" items. Whenever it is specified or described in the Bidding Documents that a substitute or "or-equal" item of material or equipment may be furnished or used by if acceptable to Engineer of Record, application for such acceptance will not be considered by Engineer of Record until after the Effective Date of the Agreement. The procedure for submission of any such application by and consideration by Engineer of Record is set forth in the General Conditions and may be supplemented in the General Requirements.

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ARTICLE 12 SUBCONTRACTORS, SUPPLIERS AND OTHERS

12.01 If the Supplementary Conditions require the identity of certain Subcontractors, Suppliers, individuals, or entities to be submitted to the County in advance of a specified date prior to the Effective Date of the Agreement, the apparent Successful Bidder, and any other Bidder so requested, shall within five days after Bid opening, submit to the County a list of all such Subcontractors, Suppliers, individuals, or entities proposed for those portions of the Work for which such identification is required. Such list shall be accompanied by an experience statement with pertinent information regarding similar projects and other evidence of qualification for each Subcontractor, Suppliers, individuals, or entity if requested by the County. If the County or Engineer of Record, after due investigation, has reasonable objection to any proposed Subcontractor, Supplier, individual or entity, the County may, before the Notice of Award is given, request apparent Successful Bidder to submit a substitute, without an increase in the Bid.

12.02 If apparent Successful Bidder declines to make any such substitution, the County may award the Contract to the next lowest Bidder that proposes to use acceptable Subcontractors, Suppliers, individuals, or entities. Declining to make requested substitutions will not constitute grounds for forfeiture of the Bid security of any Bidder. Any Subcontractor, Supplier, individual, or entity so listed and against which the County or Engineer of Record makes no written objection prior to giving of the Notice of Award will be deemed acceptable to the County and Engineer of Record subject to revocation of such acceptance after Effective Date of the Agreement as provided in paragraph 7.07 of the General Conditions.

12.03 Contractor shall not be required to employ any Subcontractor, Supplier, individual, or entity against whom Contractor has reasonable objection.

ARTICLE 13 PREPARATION OF BID

13.01 The Bid Form is included in the Bidding Documents.

13.02 Each bid must be submitted electronically via the County's electronic bidding platform (PlanetBids, accessible via the County's website).

13.03 A Bid by a corporation shall be executed in the corporate name by the president or a vice-president or other corporate officer accompanied by evidence of authority to sign. The corporate seal shall be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporation shall be shown on the form.

13.04 A Bid by a partnership shall be executed in the partnership name and signed by a partner (whose title must appear under the signature), accompanied by evidence of authority to sign. The official address of the partnership shall be shown below the signature.

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13.05 A Bid by a limited liability company shall be executed in the name of the firm by a member and accompanied by evidence of authority to sign. The state of formation of the firm and the official address of the firm must be shown below the signature.

13.06 A Bid by an individual shall show the Bidder's name and official address.

13.07 A Bid by a joint venture shall be executed by each joint venture in the manner indicated on the Bid Form. The official address of the joint venture must be shown below the signature.

13.08 All names shall be typed or printed in ink below the signatures.

13.09 The Bid shall contain an acknowledgement of receipt of all Addenda, the numbers of which shall be filled in on the Bid Form.

13.10 The address and telephone number for communications regarding the Bid shall be shown

13.11 The Bid shall contain evidence of Bidder's authority and qualification to do business in the State of Florida. The Bidder shall also be a state-certified Contractor in good standing and hold current registration with the Florida Construction Industry Licensing Board of the State Department of Professional Regulation. The type of license must be in a class that is related to the general nature of the construction to be performed on this project. The Bidder's State Contractor's license number for the State of the project shall be shown on the Bid Form.

ARTICLE 14 BASIS OF BID; EVALUATION OF BIDS

14.01 Unit Price

A. Bidders shall submit a Bid on a unit price basis for each item of Work listed in the Base Bid schedule. Bidders shall also submit lump sum prices for each of the items comprising the mandatory Bid Additives (or Alternates), if any.

B. The total of all estimated prices will be determined as the sum of the products of the estimated quantity of each item and the unit price Bid for the item, including any combination of the Bid Additive as selected by the County. The final quantities and Contract Price will be determined in accordance with paragraph 11.03 of the General Terms and Conditions.

C. Discrepancies between the multiplication or units or Work and the unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between words and figures will be resolved in favor of the words.

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14.02 The Bid price shall include such amounts as the Bidder deems proper for overhead and profit on account of cash allowances, if any, named in the Contract Documents as provided in paragraph 13.02 of the General Conditions.

ARTICLE 15 SUBMITTAL OF BID

15.01 Each prospective Bidder is furnished their Bidding Documents in electronic format, via the County's e-bidding platform only. **BIDS SUBMITTED OUTSIDE OF THE E-BIDDING PLATFORM WILL NOT BE CONSIDERED.**

ARTICLE 16 MODIFICATION AND WITHDRAWAL OF BID

16.01 A Bid may be modified or withdrawn by an appropriate document duly executed in the manner that a Bid must be executed and delivered to the place where Bids are to be submitted prior to the date and time from the opening of Bids.

16.02 Any Bid may be withdrawn prior to the scheduled time for the opening of bids or authorized postponement thereof. Any Bid received after the time and date specified shall not be considered. No Bidder may withdraw a bid within 90 days after the actual date of the opening thereof.

ARTICLE 17 OPENING OF BIDS

17.01 Bids will be opened at the time and place indicated in the Advertisement or Invitation to Bid. An abstract of the amounts of the base Bids and major alternatives, if any, will be made available to Bidders pursuant to s. 119.071 and s. 255.0518 (effective July 1, 2012), Florida Statutes.

17.02 The County may consider informal any Bid not prepared and submitted in accordance with the provisions thereof and may waive any informalities or reject any and all Bids.

ARTICLE 18 BIDS TO REMAIN SUBJECT TO ACCEPTANCE

18.01 All Bids will remain subject to acceptance for the period of time stated in the Bid Form, but the County may, in its sole discretion, release any Bid and return the Bid security prior to the end of this period.

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ARTICLE 19 AWARD OF CONTRACT

19.01 The County reserves the right to reject any and all Bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. The County further reserves the right to reject the Bid of any Bidder whom it finds, after reasonable inquiry and evaluation, to be non-responsible. The County may also reject the Bid of any Bidder if the County believes that it would not be in the best interest of the Project to make an award to that Bidder. The County also reserves the right to waive all informalities not involving price, time, or changes in the Work and to negotiate contract terms with the Successful Bidder.

19.02 More than one Bid for the same Work from an individual or entity under the same or different names will not be considered. Reasonable grounds for believing that any Bidder has an interest in more than one Bid for the Work may be cause for disqualification of that Bidder and the rejection of all Bids in which that Bidder has an interest.

19.03 In evaluating Bids, the County will consider whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

19.04 In evaluating Bidders, the County will consider the qualifications of Bidders and may consider the qualifications and experience of Subcontractors, Suppliers, and other individuals or entities proposed for those portions of the Work for which the identity of Subcontractors, Suppliers, and other individuals or entities must be submitted as provided in the Supplementary Conditions.

19.05 The County may conduct such investigations as it deems necessary to establish the responsibility, qualifications, and financial ability of Bidders, proposed Subcontractors, Suppliers, individuals, or entities to perform the Work in accordance with the Contract Documents.

19.06 If the contract is awarded, the County will award the Contract to the Bidder whose Bid is the lowest and most responsive bid.

ARTICLE 20 CONTRACT SECURITY ANDINSURANCE

20.01 Article 6 of the General Conditions, as may be modified by the Supplementary Conditions, sets forth the County's requirements as to performance and payment Bonds and insurance. When the Successful Bidder delivers the executed Agreement to the County, such Bonds must accompany it.

20.02 Provisions for indemnification by Contractor are set forth in the Agreement, at Paragraph 7.18 of the General Conditions, as amended by the Supplementary Conditions, and are incorporated here by reference.

20.03 Simultaneously, with delivery of the executed contract, the Contractor shall furnish a surety bond or bonds as security for faithful performance of this contract and for the payment of all persons performing labor on the project under this contract and furnishing materials in connection with this contract, as specified in the General Conditions included herein. The surety on such bond and

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bonds shall be duly a uthorized surety company satisfactory to the County.

20.04 Attorneys-in-fact who sign bid bonds or contract bonds must file with each bond a certified and effectively dated copy of their power of attorney.

ARTICLE 21 SIGNING OF AGREEMENT

21.01 When the County gives Notice of Intent to Award to the Successful Bidder, it shall be accompanied by the Agreement. Successful Bidder shall sign and deliver the required number of counterparts of the Agreement and attached documents to the County prior to the date set for Board approval and execution. The County shall deliver one fully signed counterpart to Successful Bidder.

21.02 The Board of County Commissioners has the right to approve or reject the recommendation of award. The Agreement is not valid unless fully executed by the Contractor and the Nassau County Board of County Commissioners.

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SECTION 00 41 15

BID FORM

PROJECTIDENTIFICATION: **CR 121 from Duval County Line to CR 119 (Phase 1)**

Bid Number NC25-012-ITB
Nassau County, Florida

BID DEADLINE:

May 7, 2025 at 10:00 AM

1.01 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with the County in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

Company Name (typed or printed): _____
Business address: _____
Phone No.: _____ Fax No.: _____
Contact Name: _____
Contact Title: _____
Contact email address: _____

2.01 Bidder accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. The Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of the County.

3.01 In submitting this Bid, Bidder represents, as set forth in the Agreement, that:

A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged:

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Addendum No.	Addendum Date
_____	_____
_____	_____
_____	_____

B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in the Supplementary Conditions as provided in paragraph 5.03 of the General Conditions, and (2) reports and drawings of a Hazardous Environmental Condition, if any, which has been identified in the Supplementary Conditions as provided in paragraph 5.06 of the General Conditions.

E. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies. and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the Site which may affect costs, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents to be employed by Bidder, and safety precautions and programs incident thereto.

F. Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.

G. Bidder is aware of the general nature of the work to be performed by the County and others at the Site that relates to the Work as indicated in the Bidding Documents.

H. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents.

I. Bidder has given Engineer of Record written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer of Record is acceptable to Bidder.

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J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

4.01 Bidder further represents that this Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over the County.

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following prices(s): Insert Pricing Directly into PlanetBids in the Line Items Tab.

All specific cash allowances are included in the price(s) set forth in the prices bid and have been computed in accordance with paragraph 13.02 of the General Conditions.

Unit prices have been computed in accordance with Paragraph 13.03.B of the General Conditions.

Bidder acknowledges that estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids. Final payment of all Unit Price Bid Items will be based on actual quantities as determined in the Contract Documents.

6.01 Bidder agrees that the Work will be substantially complete within **500** calendar days after the date when the Contract Times commence to run as provided in paragraph 4.01 of the General Conditions, and completed and ready for final payment in accordance with paragraph 15.06.B of the General Conditions within **45** calendar days from the date of substantial completion. Total contract time shall be **545** calendar days; for everyday the work goes beyond substantial completion, a day will be removed from final completion so the total days equal **545** calendar days.

Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the times specified above, which shall be stated in the Agreement.

7.01 The following documents are attached to and made a condition of this Bid:

A. Bid Security in the form of a certified check of Bid Bond (Section 00 4315)
B. Tabulation of Subcontractors & Suppliers (Section 00 4335)
C. Florida Trench Safety Act Certification (Section 00 44 55)
D. Bidder's Qualification Statement (Section 00 4513)
E. Drug-Free Workplace Certificate (Section 00 4520)
F. Public Entity Crimes Statement (Section 00 45 30)
G. Qualifications Statement (Section 00 4535)
H. LAP Certification of Current Capacity (525-010-46)
I. LAP Certification for Disclosure of Lobbying Activities (375-030-33)
J. LAP Disclosure of Lobbying Activities (375-030-34)
K. LAP Non-collusion Declaration (575-060-13)
L. LAP Certification Regarding Debarment, etc. (373-030-32)

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M. Additional LAP Provisions

8.01 The terms used in this Bid with initial capital letters have the meanings indicated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

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SUBMITTED on_____, 20____.

State Contractor License No. _____

If Bidder is:

An Individual

Name (typed or printed): _____

By: _____

(Individual's Signature)

Doing business as: _____

Business address: _____

_____

Phone No.:_____ Fax No.: _____

A Partnership

Partnership Name: _____

By: _____

(Signature of general partner - attach evidence of authority to sign)

Name (typed or printed): _____

Business address: _____

_____

Phone No.:_____ Fax No.: _____

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A Corporation

Corporation Name:_____ (SEAL)

State of Incorporation: _____

Type (General Business, Professional, Service, Limited Liability): _____

By: _____

(Signature - attach evidence of authority to sign)

Name (typed or printed): _____

Title:_____ (CORPORATE SEAL)

Attest

(Signature of Corporate Secretary)

Business address: _____

_____

Phone No.:_____ Fax No.: _____

Date of Qualification to do business is _____

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A Joint Venture

Joint Venturer Name: _____

By: _____

(Signature of joint venture partner - attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business address: _____

_____

Phone No.: _____ Fax No.: _____

Joint Venturer Name: _____

By: _____

(Signature of joint venture partner - attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business address: _____

_____

Phone No.: _____ Fax No.: _____

Phone and FAX Number, and Address for receipt of official communications:

_____

_____

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in a manner indicated above.)

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SECTION 00 43 15

BID BOND

Any singular reference to Bidder, Surety, Owner, or other party shall be considered plural where applicable.

BIDDER (Name and Address):

SURETY (Name and Address of Principal Place of Business):

OWNER (Name and Address):

BID

Bid Due Date:
Project (Brief Description Including Location):

BOND

Bond Number:
Date (Not later than Bid due date):
Penal Sum: _____ _____
(Words) (Figures)

Surety and Bidder, intending to be legally bound hereby, subject to the terms printed on the reverse side hereof, do each cause this Bid Bond to be duly executed on its behalf by its authorized officer, agent, or representative.

BIDDER	**SURETY**
_____(Seal)	_____(Seal)
Bidder's Name and Corporate Seal	Surety's Name and Corporate Seal
By:_____	By: _____
Signature and Title	Signature and Title (Attach Power of Attorney)
Attest:_____	Attest: _____
Signature and Title	Signature and Title

Note: Above addresses are to be used for giving required notice.

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DAMAGES FORM

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to the County upon default of Bidder any difference between the total amount of Bidder's Bid and the total amount of the Bid of the next lowest, responsible Bidder who submitted a responsive Bid as determined by the County for the work required by the Contract Documents, provided that:

1.1. If there is no such next Bidder, and the County does not abandon the Project, then Bidder and Surety shall pay to the County the penal sum set forth on the face of this Bond, and

1.2. In no event shall Bidder's and Surety's obligation hereunder exceed the penal sum set forth on the race of this Bond.

2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by the County) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.

3. This obligation shall be null and void if:

3.1. The County accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by the County) the executed Agreement required by the Bidding Documents arid any performance and payment bonds required b) the Bidding Documents, or

3.2. All Bids are rejected by the County, or

3.3. The County fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph *5*hereof).

4. Payment under this Bond will be due and payable upon default by Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from the County, which notice will be given with reasonable promptness, identifying this Bond and the Project, and including a statement of the amount clue.

5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by the County and Bidder, provided that the total time for issuing Notice of Award including extensions shall not in the aggregate exceed 120 days from Bid due date without Surety's written consent.

6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety and in no case later than one year after Bid due date.

7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the slate in which the Project is located.

8. Notices required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Registered or Certified Mail, return receipt requested, postage pre-paid, and shall be deemed to be effective upon receipt by the party concerned.

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9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.

10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.

11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.

[Remainder of the page is intentionally blank.]

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SECTION 00 43 35

TABULATION OF SUBCONTRACTORS & SUPPLIERS

The undersigned states that the following is a full and complete list of the proposed subcontractors and suppliers on this Project and the class of work to be performed by each, and that such list will not be added to nor altered without written consent to the Owner through the Engineer.

	SUBCONTRACTOR OR SUPPLIER AND ADDRESS	**CLASS OF WORK OR MATERIAL**
1.		
2.		
3.		
4.		
5.		
6.		
7.		

BIDDER: _____

By: _____

Name: _____

Title: _____

Date: _____

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SECTION 00 44 55

FLORIDA TRENCH SAFETY ACT CERTIFICATION

Bidder acknowledges that included in the various items of the proposal and in the Total Bid Price are costs for complying with the Florida Trench Safety Act (90-96, Laws of Florida) as modified October 1, 2008. The Bidder further identifies the costs to be summarized below:

	Cost
1. Trench Safety Act Compliance	$_____
2. Special Shoring	$_____

Identify method of compliance forItem#1: _____

_____

Identify or attach a copy of Special Shoring requirements for Item#2: _____

_____

The undersigned certifies that he/she is the Contractor who will perform the trench excavation for this project, and hereby gives written assurance that Contractor will comply with the applicable trench safety standards specifically set forth in Florida's Trench Safety Act, Laws of Florida, 90-96.

BIDDER: _____

By: _____

Name: _____

Title: _____

State of: _____

County of: _____

Sworn to (or affirmed) and subscribed before me by means of____physical presence or____online notarization, this_____day of_____, 20____.

Personally known_____or Produced Identification _____

(Specify type of Identification)

_____
Notary Public

_____
My commission expires

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SECTION 00 45 13

STATEMENT OF BIDDER'S QUALIFICATIONS

To:_____ Project: _____

Date: _____ _____

The following experience record, as of date shown, shall be submitted to the County with the Bid Form. All questions shall be answered fully. Bidders who have qualified to bid on other projects for this County within the last 12 months need not resubmit this form unless specifically requested by the County. The contents of this form will be considered confidential to the extent allowed by applicable laws and regulations.

Name of Bidder: _____

Business Address: _____

Street

_____

City State Zip Code

1. Number of years in business as a Contractor under the present:

   Business Name _____

   As Principal Contractor_____As a Sub-Contractor _____

2. Class of work you are equipped to perform: _____

3. Class of work you usually sublet: _____

4. Have any members of your concern ever operated under any other business name?_____.
   If so, give details: _____

   _____

5. Have you ever failed to qualify as a responsible bidder?_____. If so, give details.

   _____

   _____

6. Have you ever refused to enter into a contract after the award is made to you?_____.

   If so, give details. _____

   _____

7. Have you ever failed to complete any work?_____. If so, give details:

   _____

8. Has any surety or financial institution ever experienced loss on your concern?_____.

If so, give details: _____

9. Give name and address of the County, type of work, and the contract amount of at least three projects completed in the last three years:

	(1)	(2)	(3)
Project Owner:			
Project Manager:			
Email:			
Phone No:			
Address:			
City, State, Zip:			
Type of Work:			
Contract Amt:	$	$	$

10. Give name and address of the County, type of work, and contract amount of projects now in process of construction:

	Name	Address	Type of Work	Contract Amount
A.				$
B.				$
C.				$
D.				$
E.				$

11. Indicate your experience in the construction of work similar to this project (if not demonstrated by Questions 9 and 10, above):

_____

_____

_____

12. Give construction experience of principal individuals of your organization:

	Name	Position	Years of Experience	Size and Type of Work
A.				

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B. _____ _____ _____ _____

C. _____ _____ _____ _____

D. _____ _____ _____ _____

E. _____ _____ _____ _____

13. Are there any judgments, suits, or claims pending against you?_____. If so, give details:

_____

14. Does your organization operate as a corporation, partnership, or individual? _____

_____

A. If a corporation, when incorporated: _____

In which state incorporated: _____

List name, title, and address of all officers:

	Name	Title	Address
(1)	_____	_____	_____
(2)	_____	_____	_____
(3)	_____	_____	_____
(4)	_____	_____	_____
(5)	_____	_____	_____

B. If a partnership, date of organization: _____

General, Limited, or Associated? _____

List name, address, and proportional interest of parties:

	Name	Address	Proportional Interest
(1)	_____	_____	_____
(2)	_____	_____	_____
(3)	_____	_____	_____
(4)	_____	_____	_____
(5)	_____	_____	_____

15. If requested prior to award of contract, provide to the County an accurate, up to date, condensed financial statement on a separate sheet attached to these qualifications of the individual, co-partnership, or corporation.

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The undersigned hereby declares and certifies that the foregoing is a true statement of the experience and condition of the organization, therein first given and that any agency or individual herein named authorized to supply any information as may be deemed necessary to verify this statement.

Signed_____

Title_____

State of: _____

County of: _____

Sworn to (or affirmed) and subscribed before me by means of ___ physical presence or ___ online notarization, this _____ day of _____, 20 ___.

Personally known _____ or Produced Identification _____

(Specify type of Identification)

_____

Notary Public

_____

My commission expires

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SECTION 00 45 20

DRUG FREE WORKPLACE CERTIFICATE

I, the undersigned, in accordance with Florida Statute 287.087, hereby certify that _____

_____(print or type name of firm)

- Publishes a written statement notifying that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance in the workplace named above and specifying actions that will be taken against violations of such prohibition.

- Informs employees about the dangers of drug abuse in the workplace, the firm's policy of maintaining a drug free working environment, and available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug use violations.

- Gives each employee engaged in providing commodities or contractual services that are under bid or proposal, a copy of the statement specified above.

- Notifies the employees that as a condition of working on the commodities or contractual services that are under bid or proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, plea of guilty or nolo contendere to, any violation of Chapter 1893, or any controlled substance law of the State of Florida or the United States, for a violation occurring in the work place, no later than five (5) days after such conviction, and requires employees to sign copies of such written statement to acknowledge their receipt.

- Imposes a sanction on, or requires the satisfactory participation in, a drug abuse assistance or rehabilitation program, if such is available in the employee's community, by any employee who is so convicted.

- Makes a good faith effort to continue to maintain a drug free workplace through the implementation of a drug free workplace program.

“As a person authorized to sign a statement, I certify that the above-named business, firm, or corporation complies fully with the requirements set forth herein.”

_____
Authorized Signature

_____
Date Signed

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State of: _____

County of: _____

Sworn to and subscribed before me by means of _ physical presence or _ online notarization, this _____ day of_____, 20_.

Personally known_____or Produced Identification _____

(Specify type of Identification)

_____
Notary Public

_____
My commission expires

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SECTION 00 45 30

SWORN STATEMENT UNDER SECTION 287.133(3)(a), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

(To be signed in the presence of a notary public or other officer authorized to administer oaths.)

STATE OF _____
COUNTY OF _____

Before me, the undersigned authority, personally appeared_____, who being by me first duly sworn, made the following statement:

1. The business address of _____
(firm name of Bidder/Contractor)
is _____

2. My relationship to _____
(firm name of Bidder/Contractor)
is_____
(relationship such as sole proprietor, partner, president, vice president)

3. I understand that a public entity crime as defined in Section 287.133 of the Florida Statutes includes a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity in Florida or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or such an agency or political subdivision and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

4. I understand that "convicted" or "conviction" is defined by the statute to mean a finding of guilt or a conviction of a public entity crime, with or without adjudication or guilt, in any federal or state trial of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

5. I understand that "affiliate" is defined by the statute to mean (1) a predecessor or successor of a person or a corporation convicted of a public entity crime; or (2) an entity under control of any natural person with is active in management of the entity and who has been convicted of a public entity crime; (3) those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate; or (4) a person or corporation who knowingly entered into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months.

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6. Neither the Bidder/Contractor nor any officer, director, executive, partner, shareholder, employee, member, or agent who is active in the management of the Bidder/Contractor, nor any affiliate of the Bidder/Contractor, has been convicted of a public entity crime subsequent to July 1,1989.

(Draw a line through Paragraph 6 if Paragraph 7 below applies.)

7. There has been a conviction of a public entity crime by Bidder/Contractor, or an officer, director, executive, partner, shareholder, employee, member, or agent of the Bidder/Contractor who is active in the management of the Bidder/Contractor or an affiliate of the Bidder/Contractor. A determination has been made pursuant to 287.133(3) by order of the Division of Administrative Hearings that it is not in the public interest of the name of the convicted person or affiliate to appear on the convicted vendor list.
The name of the convicted person or affiliate is_____.

A copy of the order of the Division of Administrative Hearings is attached to this

statement. (Draw a line through Paragraph 7 if Paragraph 6 above applies.)

_____
(Signature)

Sworn to and subscribed before me by means of _ physical presence or _ online notarization**,**
in the State and County first mentioned above on the_____day of____, 20 .

_____
Notary Public

(affix seal)

_____
My commission expires

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General Information

Provide contact information for the Business:

Legal Name of Business:			
Corporate Office			
Name:		Phone number:	
Title:		Email address:	
Business address of corporate office:			
Local Office			
Name:		Phone number:	
Title:		Email address:	
Business address of local office:			

Provide information on the Business's organizational structure:

Form of Business:	☐ Sole Proprietorship ☐ Partnership ☐ Corporation
☐ Limited Liability Company ☐ Joint Venture comprised of the following companies:	
	1.
	2.
	3.
Provide a separate Qualification Statement for each Joint Venturer.	
Date Business was formed:	State in which Business was formed:
Is this Business authorized to operate in the Project location?	☐ Yes ☐ No ☐ Pending

Identify all businesses that own Business in whole or in part (25% or greater), or that are wholly or partly (25% or greater) owned by Business:

Name of business:		Affiliation:	
Address:			
Name of business:		Affiliation:	
Address:			
Name of business:		Affiliation:	
Address:			

Provide information regarding the Business's officers, partners, and limits of authority.

Name:		Title:	
Authorized to sign contracts: ☐ Yes ☐ No		Limit of Authority:	$
Name:		Title:	

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Authorized to sign contracts: ☐ Yes ☐ No		Limit of Authority:	$
Name:		Title:	
Authorized to sign contracts: ☐ Yes ☐ No		Limit of Authority:	$
Name:		Title:	

Licensing

Provide information regarding licensure for Business:

Name of License:			
Licensing Agency:			
License No:		Expiration Date:	
Name of License:			
Licensing Agency:			
License No:		Expiration Date:	

Diverse Business Certifications

Provide information regarding Business's Diverse Business Certification, if any. Provide evidence of current certification.

Certification	Certifying Agency	Certification Date
☐ Disadvantaged Business Enterprise		
☐ Minority Business Enterprise		
☐ Woman-Owned Business Enterprise		
☐ Small Business Enterprise		
☐ Disabled Business Enterprise		
☐ Veteran-Owned Business Enterprise		
☐ Service-Disabled Veteran-Owned Business		
☐ HUBZone Business (Historically Underutilized) Business		
☐ Other		
☐ None		

Safety

Provide information regarding Business's safety organization and safety performance.

Name of Business's Safety Officer:		
Safety Certifications		
Certification Name	Issuing Agency	Expiration

Provide Worker's Compensation Insurance Experience Modification Rate (EMR), Total Recordable Frequency Rate (TRFR) for incidents, and Total Number of Recorded Manhours (MH) for the last 3 years and the EMR, TRFR, and MH history for the last 3 years of any proposed Subcontractor(s) that will provide Work valued at 10% or more of the Contract Price. Provide documentation of the EMR history

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for Business and Subcontractor(s).

Year									
Company	EMR	TRFR	MH	EMR	TRFR	MH	EMR	TRFR	MH

Financial

Provide information regarding the Business's financial stability. Provide the most recent audited financial statement, and if such audited financial statement is not current, also provide the most current financial statement.

Financial Institution:		
Business address:		
Date of Business's most recent financial statement:		☐ Attached
Date of Business's most recent audited financial statement:		☐ Attached
Financial indicators from the most recent financial statement		
Contractor's Current Ratio (Current Assets ÷ Current Liabilities)		
Contractor's Quick Ratio ((Cash and Cash Equivalents + Accounts Receivable + Short Term Investments) ÷ Current Liabilities)		

Surety Information

Provide information regarding the surety company that will issue required bonds on behalf of the Business, including but not limited to performance and payment bonds.

Surety Name:			
Surety is a corporation organized and existing under the laws of the state of:			
Is surety authorized to provide surety bonds in the Project location?	☐ Yes ☐ No		
Is surety listed in "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" published in Department Circular 570 (as amended) by the Bureau of the Fiscal Service, U.S. Department of the Treasury? ☐ Yes ☐ No			
Mailing Address (principal place of business):			
Physical Address (principal place of business):			
Phone (main):		Phone (claims):	

Insurance

Provide information regarding Business's insurance company(s), including but not limited to its Commercial General Liability carrier. Provide information for each provider.

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Name of insurance provider, and type of policy (CLE, auto, etc.):			
Insurance Provider		Type of Policy (Coverage Provided)	
Are providers licensed or authorized to issue policies in the Project location?			☐ Yes ☐ No
Does provider have an A.M. Best Rating of A-VII or better?			☐ Yes ☐ No
Mailing Address (principal place of business):			
Physical Address (principal place of business):			
Phone (main):		Phone (claims):	

Construction Experience

Provide information that will identify the overall size and capacity of the Business.

Average number of current full-time employees:	
Estimate of revenue for the current year:	
Estimate of revenue for the previous year:	

Provide information regarding the Business's previous contracting experience.

Years of experience with projects like the proposed project:				
As a general contractor:		As a joint venturer:		
Has Business, or a predecessor in interest, or an affiliate identified in Paragraph 1.03:				
Been disqualified as a bidder by any local, state, or federal agency within the last 5 years? ☐ Yes ☐ No				
Been barred from contracting by any local, state, or federal agency within the last 5 years? ☐ Yes ☐ No				
Been released from a bid in the past 5 years? ☐ Yes ☐ No				
Defaulted on a project or failed to complete any contract awarded to it? ☐ Yes ☐ No				
Refused to construct or refused to provide materials defined in the contract documents or in a change order? ☐ Yes ☐ No				
Been a party to any currently pending litigation or arbitration? ☐ Yes ☐ No				
Provide full details in a separate attachment if the response to any of these questions is Yes.				

List all projects currently under contract in Schedule A and provide indicated information.

List a minimum of three and a maximum of six projects completed in the last 5 years in Schedule B and provide indicated information to demonstrate the Business's experience with projects similar in type and cost of construction.

In Schedule C, provide information on key individuals whom Business intends to assign to the Project. Provide resumes for those individuals included in Schedule C. Key individuals include the Project

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Manager, Project Superintendent, Quality Manager, and Safety Manager. Resumes may be provided for Business's key leaders as well.

Required Attachments

Provide the following information with the Statement of Qualifications:

If Business is a Joint Venture, separate Qualifications Statements for each Joint Venturer, as required in Paragraph 1.02.

Diverse Business Certifications if required by Paragraph 3.01.

Certification of Business's safety performance if required by Paragraph 4.02.

Financial statements as required by Paragraph 5.01.

Attachments providing additional information as required by Paragraph 8.02.

Schedule A (Current Projects) as required by Paragraph 8.03.

Schedule B (Previous Experience with Similar Projects) as required by Paragraph 8.04.

Schedule C (Key Individuals) and resumes for the key individuals listed, as required by Paragraph 8.05.

Additional items as pertinent.

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Resurfacing and Safety Improvements CR 121 from Duval County Line to CR 119 (Phase 1)
NC25-012-ITB

This Statement of Qualifications is offered by:

Business: _____
(typed or printed name of organization)

By: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Date: _____
(date signed)

(If Business is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Address for giving notices:

_____

_____

_____

Designated Representative:

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Address:

_____

_____

_____

Phone: _____

Email: _____

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Schedule A—Current Projects

Name of Organization				
Project Owner		Project Name		
General Description of Project				
Project Cost		Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager
Name				

Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)

	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner		Project Name		
General Description of Project				
Project Cost		Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager
Name				

Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)

	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner		Project Name		
General Description of Project				
Project Cost		Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager
Name				

Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)

	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

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Schedule B—Previous Experience with Similar Projects

Name of Organization					
Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager		Quality Control Manager
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager		Quality Control Manager
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager		Quality Control Manager
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

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Schedule B—Previous Experience with Similar Projects

Name of Organization				
Project Owner		Project Name		
General Description of Project				
Project Cost		Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager
Name				

Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)

	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner		Project Name		
General Description of Project				
Project Cost		Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager
Name				

Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)

	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner		Project Name		
General Description of Project				
Project Cost		Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager
Name				

Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)

	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

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Schedule C—Key Individuals

Project Manager			
Name of individual			
Years of experience as project manager			
Years of experience with this organization			
Number of similar projects as project manager			
Number of similar projects in other positions			
Current Project Assignments			
Name of assignment		Percent of time used for this project	Estimated project completion date
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name		Name	
Title/Position		Title/Position	
Organization		Organization	
Telephone		Telephone	
Email		Email	
Project		Project	
Candidate's role on project		Candidate's role on project	
Project Superintendent			
Name of individual			
Years of experience as project superintendent			
Years of experience with this organization			
Number of similar projects as project superintendent			
Number of similar projects in other positions			
Current Project Assignments			
Name of assignment		Percent of time used for this project	Estimated project completion date
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name		Name	
Title/Position		Title/Position	
Organization		Organization	
Telephone		Telephone	
Email		Email	
Project		Project	
Candidate's role on project		Candidate's role on project	

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Safety Manager			
Name of individual			
Years of experience as project manager			
Years of experience with this organization			
Number of similar projects as project manager			
Number of similar projects in other positions			
Current Project Assignments			
Name of assignment		Percent of time used for this project	Estimated project completion date
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name		Name	
Title/Position		Title/Position	
Organization		Organization	
Telephone		Telephone	
Email		Email	
Project		Project	
Candidate's role on project		Candidate's role on project	

Quality Control Manager			
Name of individual			
Years of experience as project superintendent			
Years of experience with this organization			
Number of similar projects as project superintendent			
Number of similar projects in other positions			
Current Project Assignments			
Name of assignment		Percent of time used for this project	Estimated project completion date
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name		Name	
Title/Position		Title/Position	
Organization		Organization	
Telephone		Telephone	
Email		Email	
Project		Project	
Candidate's role on project		Candidate's role on project	

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SECTION 00 51 00

NOTICE OF AWARD

TO: _____

CONTRACTOR

_____

ADDRESS

_____

CITY STATE ZIP

PROJECT: **CR 121 from Duval County Line to CR 119**

NAME

The Nassau County Board of County Commissioners has considered the recommendation to accept the Bid submitted by _____ for the above-described work in response to its Invitation to Bid (ITB) **No. NC25-012-ITB**, opened on _____, 20 _____ .

You are hereby notified that the Bid has been accepted and the Nassau County Board of County Commissioners has executed the enclosed agreement subject to: Receipt of the applicable bonds and Certificates of Insurance, within ten (10) calendar days from the date of this Notice of Award and receipt of the fully executed agreement. The bonds are required to be recorded at cost to the contractor. The bonds must be recorded within the same ten (10) day period referenced herein. The Clerk of Courts does not accept company or personal checks unless the signee is present and can provide identification.

If you fail to furnish the bonds and the Certificates of Insurance within ten (10) calendar days from the date of this Notice, the County will be entitled to consider any rights arising out of the County's acceptance of your Bid as abandoned and void.

You are required to return an acknowledged copy of this Notice of Award, Bonds, and Insurance Certificates to The Nassau County Board of County Commissioners, c/o Mitch L. Keiter, Ex-Officio Clerk, 76347 Veterans Way, Suite 465, Yulee, Florida 32097. A copy must be sent to Nassau County, Capital Improvements Director, at 96161 Nassau Place, Yulee, Florida 32097.

Dated this _____ day _____, 20_.

Nassau County Board of County Commissioners

BY: _____

TITLE: _____

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

ACCEPTANCE OF NOTICE

Receipt of the above Notice of Award is hereby acknowledged by _____
this_____day of_____, 20___.

BY:_____
TITLE: _____

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SECTION 00 55 00

NOTICE TO PROCEED

TO: _____
CONTRACTOR

_____
ADDRESS

_____
CITY STATE ZIP

PROJECT: Resurfacing and Safety Improvements CR 121 from Duval County Line to CR 119
Bid Number NC25-012-ITB
Nassau County, Florida

You are hereby notified to commence work in accordance with the Agreement dated_____, 20___.

The Contract time for Substantial Completion is_____consecutive calendar days from the date of commencement.

The Contract time for Final Completion is_____consecutive calendar days from the date of Substantial Completion.

The Contract time commences to run_____, 20__.

The date of Substantial Completion is_____, 20__.

The date of Final Completion is_____, 20_.

Nassau County Board of County Commissioners

BY:_____

TITLE:_____

DATE: _____

You are required to return an acknowledged copy of the Notice to Proceed to The Nassau County Board of County Commissioners, c/o John A. Crawford, Ex-Officio Clerk, 76347 Veterans Way, Suite 456, Yulee, Florida 32097.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

ACCEPTANCE OF NOTICE

Receipt of the above Notice to Proceed is hereby acknowledged

this_____day of_____, 20___.

BY:_____

TITLE: _____

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SECTION 00 61 15

PERFORMANCE BOND

Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

CONTRACTOR (*Name and Address*): SURETY (*Name and Address of Principal Place of Business*):

OWNER (*Name and Address*):

CONTRACT

Effective Date of Agreement:
Amount:
Description (*Name and Location*):

BOND

Bond Number:
Date (*Not earlier than Effective Date of Agreement*):
Amount:
Modifications to this Bond Form:

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Performance Bond to be duly executed by an authorized officer, agent, or representative.

CONTRACTOR AS PRINCIPAL	**SURETY**
_____(Seal)	_____ (Seal)
Contractor's Name and Corporate Seal	Surety's Name and Corporate Seal
By: _____	By: _____
Signature	Signature (Attach Power of Attorney)
_____	_____
Print Name	Print Name
_____	_____
Title	Title
Attest: _____	Attest: _____
Signature	Signature
_____	_____
Title	Title

Note: Provide execution by additional parties, such as joint ventures, if necessary.

EJCDC No. C-610 (2007 Edition)
Originally prepared through the joint efforts of the Surety Association of America, Engineers Joint Contract Documents Committee, the Associated General Contractors of America, and the American Institute of Architects.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

1. Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the County for the performance of the Contract, which is incorporated herein by reference.

2. If Contractor performs the Contract, Surety and Contractor have no obligation under this Bond, except to participate in conferences as provided in Paragraph3.1.

3. If there is Default, Surety's obligation under this Bond shall arise after:

   3.1 The County has notified Contractor and Surety, at the address described in Paragraph 10 below, that the County is considering declaring a Contractor Default and has requested and attempted to arrange a conference with Contractor and Surety to be held not later than 15 days after receipt of such notice to discuss methods of performing the Contract. If the County, Contractor and Surety agree, Contractor shall be allowed a reasonable time to perform the Contract, but such an agreement shall not waive the County's right, if any, subsequently to declare a Contractor Default; and

   3.2 The County has declared a Contractor Default and formally terminated Contractor's right to complete the Contract. Such Contractor Default shall not be declared earlier than 20 days after Contractor and Surety have received notice as provided in Paragraph3.1;and

   3.3 The County has agreed to pay the Balance of the Contract Price to:

      1. Surety in accordance with the terms of the Contract; or

      2. Another contractor selected pursuant to Paragraph 4.3 to perform the Contract.

4. When the County has satisfied the conditions of Paragraph 3, Surety shall promptly, and at Surety's expense, take one of the following actions:

   4.1 Arrange for Contractor, with consent of the County, to perform and complete the Contract, or

   4.2 Undertake to perform and complete the Contract itself, through its agents or through independent contractors, or

   4.3 Obtain bids or negotiated proposals from qualified contractors acceptable to the County for a contract for performance and completion of the Contract, arrange for a contract to be prepared for execution by the County and contractor selected with the County's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Contract, and pay to the County the amount of

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damages as described in Paragraph 6 in excess of the Balance of the Contract Price incurred by the County resulting from Contractor Default; or

4.4 Waive its right to perform and complete, arrange for completion, or obtain a new contractor and with reasonable promptness under the circumstances:

1. After investigation, determine the amount for which it may be liable to the County and, as soon as practicable after the amount is determined, tender payment therefore to the County; or

2. Deny liability in whole or in part and notify the County citing reasons therefore.

5. If Surety does not proceed as provided in Paragraph 4 with reasonable promptness, Surety shall be deemed to be in default on this Bond 15 days after receipt of an additional written notice from the County to Surety demanding that Surety perform its obligations under this Bond, and the County shall be entitled to enforce any remedy available to the County. If Surety proceeds as provided in Paragraph 4.4 and the County refuses the payment tendered or Surety has denied liability, in whole or in part, without further notice the County shall be entitled to enforce any remedy available to the County.

6. After the County has terminated Contractor's right to complete the Contract, and if Surety elects to act under Paragraph 4.1, 4.2, or 4.3 above, then the responsibilities of Surety to the County shall not be greater than those of Contractor under the Contract, and the responsibilities of the County to Surety shall not be greater than those of the County under the Contract. To a limit of the amount of this Bond, but subject to commitment by the County of the Balance of the Contract Price to mitigation of costs and damages on the Contract, Surety is obligated without duplication for:

6.1 The responsibilities of Contractor for correction of defective Work and completion of the Contract;

6.2 Additional legal, design professional, and delay costs resulting from Contractor's Default, and resulting from the actions or failure to act of Surety under Paragraph 4; and

6.3 Liquidated damages, or if no liquidated damages are specified in the Contract, actual damages caused by delayed performance or non-performance of Contractor.

7. Surety shall not be liable to the County or others for obligations of Contractor that are unrelated to the Contract, and the Balance of the Contract Price shall not be reduced or set off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than the County or its heirs, executors, administrators, or successors.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

8. Surety hereby waives notice of any change, including changes of time, to Contract or to related subcontracts, purchase orders, and other obligations.

9. Any proceeding, legal or equitable, under this Bond may by instituted in any court of competent jurisdiction in the location in which the Work or part of the Work is located and shall be instituted within two years after Contractor Default or within two years after Contractor ceased working or within two years after Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

10. Notice to Surety, the County, or Contractor shall be mailed or delivered to the address shown on the signature page.

11. When this Bond has been furnished to comply with a statutory requirement in the location where the Contract was to be performed, any provision in this Bond conflicting with said statutory requirement shall be deemed deleted here from and provisions conforming to such statutory requirement shall be deemed incorporated herein. The intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

12. Definitions

    12.1 Balance of the Contract Price: The total amount payable by the County to Contractor under the Contract after all proper adjustments have been made, including allowance to Contractor of any amounts received or to be received by the County in settlement of insurance or other Claims for damages to which Contractor is entitled, reduced by all valid and proper payments made to or on behalf of Contractor under the Contract.

    12.2 Contract: The agreement between the County and Contractor identified on the signature page, including all Contract Documents and changes thereto.

    12.3 Contractor Default: Failure of Contractor, which has neither been remedied nor waived, to perform or otherwise to comply with the terms of the Contract.

    12.4 The County Default: Failure of the County, which has neither been remedied nor waived, to pay Contractor as required by the Contract or to perform and complete or otherwise comply with the other terms thereof.

FOR INFORMATION ONLY – (*Name, Address and Telephone*) Surety
Agency or Broker:
Owner's Representative (*Engineer or other party*):

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SECTION 00 61 16

PAYMENT BOND

Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

CONTRACTOR (*Name and Address*):

SURETY (*Name and Address of Principal Place of Business*):

OWNER (*Name and Address*):

CONTRACT

Effective Date of Agreement:
Amount:
Description (*Name and Location*):

BOND

Bond Number:
Date (*Not earlier than Effective Date of Agreement*):
Amount:
Modifications to this Bond Form:

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Payment Bond to be duly executed by an authorized officer, agent, or representative.

CONTRACTOR AS PRINCIPAL	**SURETY**
_____ (Seal)	_____ (Seal)
Contractor's Name and Corporate Seal	Surety's Name and Corporate Seal
By: _____	By: _____
Signature	Signature (Attach Power of Attorney)
_____	_____
Print Name	Print Name
_____	_____
Title	Title
Attest: _____	Attest: _____
Signature	Signature
_____	_____
Title	Title

Note: Provide execution by additional parties, such as joint ventures, if necessary.

EJCDC No. C-615(A) (2007 Edition)
Originally prepared through the joint efforts of the Surety Association of America, Engineers Joint Contract Documents Committee, the Associated General Contractors of America, the American Institute of Architects, the American Subcontractors Association, and the Associated Specialty Contractors.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

1. Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the County to pay for labor, materials, and equipment furnished by Claimants for use in the performance of the Contract, which is incorporated herein by reference.

2. With respect to the County, this obligation shall be null and void if Contractor:

   2.1 Promptly makes payment, directly or indirectly, for all sums due Claimants, and

   2.2 Defends, indemnifies, and holds harmless the County from all claims, demands, liens or suits alleging non-payment by Contractor by any person or entity who furnished labor, materials, or equipment for use in the performance of the Contract, provided the County has promptly notified Contractor and Surety (at the addresses described in Paragraph 12) of any claims, demands, liens, or suits and tendered defense of such claims, demands, liens, or suits to Contractor and Surety, and provided there is no the County Default.

3. With respect to Claimants, this obligation shall be null and void if Contractor promptly makes payment, directly or indirectly, for all sums due.

4. Surety shall have no obligation to Claimants under this Bond until:

   4.1 Claimants who are employed by or have a direct contract with Contractor have given notice to Surety (at the addresses described in Paragraph 12) and sent a copy, or notice thereof, to the County, stating that a claim is being made under this Bond and, with substantial accuracy, the amount of the claim.

   4.2 Claimants who do not have a direct contract with Contractor:

      1. Have furnished written notice to Contractor and sent a copy, or notice thereof, to the County, within 90 days after having last performed labor or last furnished materials or equipment included in the claim stating, with substantial accuracy, the amount of the claim and the name of the party to whom the materials or equipment were furnished or supplied, or for whom the labor was done or performed; and

      2. Have either received a rejection in whole or in part from Contractor, or not received within 30 days of furnishing the above notice any communication from Contractor by which Contractor had indicated the claim will be paid directly or indirectly; and

      3. Not having been paid within the above 30 days, have sent a written notice to Surety (at the address described in Paragraph 12) and sent a copy, or notice thereof,

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to the County, stating that a claim is being made under this Bond and enclosing a copy of the previous written notice furnished to Contractor.

5. If a notice by a Claimant required by Paragraph 4 is provided by the County to Contractor or to Surety, that is sufficient compliance.

6. When a Claimant has satisfied the conditions of Paragraph 4, the Surety shall promptly and at Surety's expense take the following actions:

   6.1 Send an answer to that Claimant, with a copy to the County, within 45 days after receipt of the claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed.

   6.2 Pay or arrange for payment of any undisputed amounts.

7. Surety's total obligation shall not exceed the amount of this Bond, and the amount of this Bond shall be credited for any payments made in good faith by Surety.

8. Amounts owed by the County to Contractor under the Contract shall be used for the performance of the Contract and to satisfy claims, if any, under any performance bond. By Contractor furnishing and the County accepting this Bond, they agree that all funds earned by Contractor in the performance of the Contract are dedicated to satisfy obligations of Contractor and Surety under this Bond, subject to the County's priority to use the funds for the completion of the Work.

9. Surety shall not be liable to the County, Claimants, or others for obligations of Contractor that are unrelated to the Contract. The County shall not be liable for payment of any costs or expenses of any Claimant under this Bond and shall have under this Bond no obligations to make payments to, give notices on behalf of, or otherwise have obligations to Claimants under this Bond.

10. Surety hereby waives notice of any change, including changes of time, to the Contract or to related Subcontracts, purchase orders and other obligations.

11. No suit or action shall be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the location in which the Work or part of the Work is located or after the expiration of one year from the date (1) on which the Claimant gave the notice required by Paragraph 4.1 or Paragraph 4.2, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Contract, whichever of (1) or (2) first occurs. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

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12. Notice to Surety, the County, or Contractor shall be mailed or delivered to the addresses shown on the signature page. Actual receipt of notice by Surety, the County, or Contractor, however accomplished, shall be sufficient compliance as of the date received at the address shown on the signature page.

13. When this Bond has been furnished to comply with a statutory requirement in the location where the Contract was to be performed, any provision in this Bond conflicting with said statutory requirement shall be deemed deleted here from and provisions conforming to such statutory requirement shall be deemed incorporated herein. The intent is that this Bond shall be construed as a statutory Bond and not as a common law bond.

14. Upon request of any person or entity appearing to be a potential beneficiary of this Bond, Contractor shall promptly furnish a copy of this Bond or shall permit a copy to be made.

15. Definitions

15.1 Claimant: An individual or entity having a direct contract with Contractor, or with a first-tier subcontractor of Contractor, to furnish labor, materials, or equipment for use in the performance of the Contract. The intent of this Bond shall be to include without limitation in the terms "labor, materials or equipment" that part of water, gas, power, light, heat, oil, gasoline, telephone service, or rental equipment used in the Contract, architectural and engineering services required for performance of the Work of Contractor and Contractor's subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials, or equipment were furnished.

15.2 Contract: The agreement between the County and Contractor identified on the signature page, including all Contract Documents and changes thereto.

15.3 The County Default: Failure of the County, which has neither been remedied nor waived, to pay Contractor as required by the Contract, or to perform and complete or otherwise comply with the other terms thereof.

FOR INFORMATION ONLY – (*Name, Address and Telephone*)

Surety Agency or Broker:

Owner's Representative (*Engineer or other party*):

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SECTION 00 62 76

APPLICATION AND CERTIFICATE FOR PROGRESS PAYMENT

OWNER:_____

CONTRACTOR: _____

Purchase Order No.:_____Project Title: Engineer/Architect:

Engineer/Architect Project No.:_____Contract Number: _____

Progress Payment No.:_____for Period_____to_____

1. Original Contract Sum $_____
2. Net Change by Change Orders.....$_____
3. Contract Sum to Date (Line 1 + Line 2) .....$_____
4. Work Completed to Date.....$_____
5. Amount Retained (Percent).....$_____
6. Total Earned Less Retainage (Line 4 minus Line 5).....$_____
7. Less Previous Payments.....$_____
8. CURRENT PAYMENT DUE.....$_____

CERTIFICATION OF CONTRACTOR

The undersigned CONTRACTOR certifies that (1) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied on account to discharge CONTRACTOR'S legitimate obligations incurred in connection with Work covered by prior Applications for Payment numbered 1 through_____inclusive; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to OWNER at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to OWNER indemnifying OWNER against any such Lien, security interest or encumbrance); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

_____ _____

Contractor Date

By:_____ _____

(Authorized Representative) Title

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CERTIFICATION OF ENGINEER / ARCHITECT

In accordance with the Contract Documents, based upon on-site observations by the undersigned or duly authorized representatives or assistants, the Engineer / Architect certifies to the Owner that to the best of its knowledge, information and belief, the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED ..... $_____

(Attach explanation if amount certified differs from the amount applied for)

ENGINEER / ARCHITECT:

By: _____ _____ _____

(Date) (Firm)

AFFIDAVIT OF CONTRACTOR

STATE OF _____

COUNTY OF _____

Before me this day personally appeared _____who, being first duly sworn, deposes and says:

That he is the_____of_____, and the Contractor on the following described public works project:

JOB DESCRIPTION: _____

CONTRACTING AUTHORITY:____Nassau County Board of County Commissioners_____

That all persons who furnish labor, supplies or materials or did work in connection with such improvements set out in the CONTRACT have been paid, to date, in full, including all subcontractors. AND FURTHER AFFIANT SAYETH NOT.

By:_____

WITNESS my hand and official seal, this_____day of_____, 20_____.

_____

Notary Public

My Commission Expires:

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Project Title:_____ County Purchase Order No.: _____

Progress Payment No.:_____ Engineer / Architect Project No.: _____

Item No.	Pay Item	Description of Item	ORIGINAL ESTIMATE				PREVIOUSLY COMPLETED		COMPLETED THIS PERIOD		COMPLETED TO DATE		
			Unit	Qty. Bid	Unit Cost	Amount	Quan.	Amount	Quan.	Amount	Quan.	Amount	Percent Complete

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SECTION 00 63 15

CONTRACTOR'S REQUEST FOR INFORMATION

TO: _____

FROM: _____ (CONTRACTOR) DATE: _____

CONTRACTOR REQUEST FOR INFORMATION NO.: _____

PROJECT NAME: _____

CONTRACT NUMBER: _____ PURCHASE ORDER NO.: _____

QUESTION:

_____

_____

_____

_____

_____

_____

_____

BY: _____ DATE: _____

REPLY:

_____

_____

_____

_____

_____

_____

_____

BY: _____ DATE: _____

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SECTION 00 63 36

FIELD ORDER

PROJECT:_____ REQUEST NO: _____

CONTRACT NO.:_____ PURCHASE ORDER NO.: _____

CONTRACTOR: _____

You are hereby directed to execute promptly this Field Order which interprets the Contract Documents or orders minor changes in the Work without change in Contract Price or Contract Time.

If you consider that a change in Contract Price or Contract Time is required, please submit a Work Change Directive to the County immediately and before proceeding with this Work.

Field Order: _____

_____

_____

_____

Attachments: (Listing of attached documents that support description)

1. Work Change Directive No _____

2.

3._____

4._____

5. _____

BY:_____ DATE: _____

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WORK CHANGE DIRECTIVE

PROJECT:_____REQUEST NO: _____

CONTRACT NO.:_____PURCHASE ORDER NO.: _____

CONTRACTOR: _____

You are directed to proceed promptly with the following change(s):

Description: _____

_____

_____

Purpose of Work Directive Change: _____

_____

_____

Attachments: _____

_____

If a claim is made that the above change(s) have affected the Contract Price or Contract Time, any claim for a Change Order based thereon will involve one of the following methods of determining the effect of the change(s).

Method of determining a change in Contract Price:
[ ] Time and materials
[ ] Unit prices
[ ] Cost plus fixed fee
[ ] Other _____
Estimated increase (decrease) in Contract Price:$ _____
If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

Method of determining change in Contract Time:
[ ] Contractor's records
[ ] Owner's records
[ ] Other _____
Estimated increase (decrease) in Contract Time:_____days.

If the change involves an increase, the estimated time is not to be exceeded without further authorization.

AUTHORIZED BY: DATE:

_____ _____

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SECTION 00 63 63

CHANGE ORDER REQUEST FORM

(Instructions on 00 63 63-2) No.

PROJECT

DATE OF ISSUANCE EFFECTIVE DATE

NASSAU COUNTY BOARD OF COUNTYCOMMISSIONERS

COUNTY Contract No.: CM_____

CONTRACTOR- ENGINEER / ARCHITECT-

You are directed to make the following changes in the Contract Documents.

Attachments: (List documents supporting change)

CHANGE IN CONTRACT PRICE: Original Contract Price $_____	CHANGE IN CONTRACT TIMES: Original Contract Times Substantial Completion:_____ (days or dates) Ready for Final Payment:_____ (days or dates)
Net change from previous Change Orders No.___to No._____ $_____	Net change from previous Change Orders No.___to No._____ _____ (days)
Contract Price prior to this Change Order $_____	Contract Times Prior to This Change Order Substantial Completion:_____ (days or dates) Ready for Final Payment:_____ (days or dates)
Net Increase (decrease) of this Change Order $_____	Net Increase (decrease) of this Change Order _____ (days)
Contract Price with all approved Change Orders $_____	Contract Times with all approved Change Orders Substantial Completion:_____ (days or dates) Ready for Final Payment:_____ (days or dates)

RECOMMENDED:	APPROVED:	ACCEPTED:
By:_____	By:_____	By:_____
Engineer/Architect (Authorized Signature)	COUNTY (Authorized Signature)	Contractor (Authorized Signature)
Date: _____	Date: _____	Date:_____

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CHANGE ORDER

INSTRUCTIONS

A. GENERAL INFORMATION

This document was developed to provide a uniform format for handling contract changes that affect Contract Price or Contract Times. Changes that have been initiated by a Work Change Directive must be incorporated into a subsequent Change Order if they affect Contract Price or Times.

Changes that affect Contract Price or Contract Times should be promptly covered by a Change Order. The practice of accumulating change order items to reduce the administrative burden may lead to unnecessary disputes.

If Milestones have been listed, any effect of a Change Order, thereon, should be addressed.

For supplemental instructions and minor changes not involving a change in the Contract Price or Contract Times, a Field Order may be used.

B. COMPLETING THE CHANGE ORDER FORM

Engineer / Architect / Etc. initiates the form, including a description of the changes involved and attachments based upon documents and proposals submitted by Contractor, or requests from the County or both.

Once Engineer / Architect / Etc. has completed and signed the form, all copies should be sent to Contractor for approval. After approval by Contractor, all copies should be sent to the County for approval. Engineer should make distribution of executed copies after approval by the County.

If a change only applies to Contract Price or to Contract Times, cross out the part of the tabulation that does not apply.

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CERTIFICATE OF SUBSTANTIAL COMPLETION

Project:_____

Purchase Order No.:_____ Contract No.: _____

This Certificate of Substantial Completion applies to:

[ ] All work under Contract [ ] Portion of work described as follows:

The Work to which this Certificate applies has been inspected by authorized representatives of the COUNTY and the CONTRACTOR and that Work is hereby declared to be substantially complete in accordance with the Contract Documents on:_____.

DATE

A tentative list of items to be completed or corrected is attached hereto. This list may not be all- inclusive, and the failure to include an item in it does not alter the responsibility of CONTRACTOR to complete all the Work in accordance with the Contract Documents. The items in the tentative list shall be completed or corrected by CONTRACTOR within_____days of the above date of Substantial Completion.

The date of Substantial Completion is the date upon which all guarantees and warranties begin.

SIGNED:

NASSAU COUNTY CONSTRUCTION INSPECTOR (if applicable)

By: _____ DATE: _____

NASSAU COUNTY PROJECT MANAGER

By: _____ DATE: _____

NASSAU COUNTY DEPARTMENT REPRESENTATIVE

By: _____ DATE: _____

ENGINEER OF RECORD:

_____

By: _____ DATE: _____

CONTRACTOR:

_____

By:_____ DATE: _____

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SECTION 00 65 16

TENTATIVE LIST OF ITEMS TO BE COMPLETED OR CORRECTED
(PUNCH LIST)

Date:_____ Contract No.:_____ Purchase Order No.: _____

Project:_____

Contractor: _____

This list may not be all-inclusive, and the failure to include an item does not alter the responsibility of the CONTRACTOR to complete all the Work in accordance with the Contract Documents.

NO:	ITEM:

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SECTION 00 65 19

CERTIFICATE OF FINAL COMPLETION

Project:

_____

Purchase Order No.: _____ Contract No.:

_____

This Certificate of Final Completion applies to:

The Work under this Contract has been inspected by authorized representatives of the COUNTY and the CONTRACTOR and all Work is hereby declared to be complete in accordance with the Contract Documents on: _____

DATE

SIGNED:

NASSAU COUNTY CONSTRUCTION INSPECTOR (if applicable)

By: _____ DATE: _____

NASSAU COUNTY PROJECT MANAGER

By: _____ DATE: _____

NASSAU COUNTY DEPARTMENT REPRESENTATIVE

By: _____ DATE: _____

ENGINEER OF RECORD:

_____

By: _____ DATE: _____

CONTRACTOR:

_____

By: _____ DATE: _____

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SECTION 00 65 20

WAIVER AND RELEASE OF LIEN UPON PROGRESS PAYMENT

The undersigned lienor, in consideration of the progress payment in the amount of $_____, hereby waives and releases its lien and right to claim a lien for labor, services or materials furnished through (date) _____to (customer)_____on the job of (COUNTY property)_____, to the following described property:

This waiver and release does not cover any retention of labor, services, or materials furnished after the date specified.

Dated on_____, 20____.

Lienor's Name_____

Address_____

_____

By_____

Printed_____

NOTE: This is a statutory form prescribed by Section 713.20, Florida Statutes.

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SECTION 00 65 21

WAIVER AND RELEASE OF LIEN UPON FINAL PAYMENT

The undersigned lienor, in consideration of the final payment in the amount of $_____, hereby waives and releases its lien and right to claim a lien for labor, services or materials furnished through (date) _____ to (customer) _____ on the job of (COUNTY property) _____ to the following described property:

Dated on _____, 20_____.

Lienor's Name _____

Address _____

_____

By _____

Printed _____

NOTE: This is a statutory form prescribed by Section 713.20, Florida Statutes.

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SECTION 00 72 15

This document has important legal consequences; consultation with an attorney is encouraged with respect to its use or modification. This document should be adapted to the particular circumstances of the contemplated Project and the controlling Laws and Regulations.

STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

Prepared By

EJCDC®
ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE

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GUIDELINES FOR USE OF EJCDC® C-700, STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

1.0 PURPOSE AND INTENDED USE OF THE DOCUMENT

EJCDC® C-700, Standard General Conditions of the Construction Contract (2018), is the foundation document for the EJCDC Construction Series. The General Conditions define the basic rights, responsibilities, risk allocations, and contractual relationship of the Owner and Contractor, and establish how the Contract is to be administered.

2.0 OTHER DOCUMENTS

EJCDC documents are intended to be used as a system and changes in one EJCDC document may require a corresponding change in other documents. Other EJCDC documents may also serve as a reference to provide insight or guidance for the preparation of this document.

These General Conditions have been prepared for use with either EJCDC® C-520, Agreement Between Owner and Contractor for Construction Contract (Stipulated Price), or EJCDC® C-525, Agreement Between Owner and Contractor for Construction Contract (Cost-Plus-Fee) (2018 Editions). The provisions of the General Conditions and the Agreement are interrelated, and a change in one may necessitate a change in the other.

To prepare supplementary conditions that are coordinated with the General Conditions, use EJCDC® C-800, Supplementary Conditions of the Construction Contract (2018).

The full EJCDC Construction series of documents is discussed in the EJCDC® C-001, Commentary on the 2018 EJCDC Construction Documents (2018).

3.0 ORGANIZATION OF INFORMATION

All parties involved in a construction project benefit significantly from a standardized approach in the location of subject matter throughout the documents. Experience confirms the danger of addressing the same subject matter in more than one location; doing so frequently leads to confusion and unanticipated legal consequences. Careful attention should be given to the guidance provided in EJCDC® N-122/AIA® A521, Uniform Location of Subject Matter (2012 Edition) when preparing documents. EJCDC® N-122/AIA® A521 is available at no charge from the EJCDC website, www.ejcdc.org, and from the websites of EJCDC's sponsoring organizations.

If CSI MasterFormat™ is used for organizing the Project Manual, consult CSI MasterFormat™ for the appropriate document number (e.g., under 00 11 00, Advertisements and Invitations), and accordingly number the document and its pages.

4.0 EDITING THIS DOCUMENT

Remove these Guidelines for Use. Some users may also prefer to remove the two cover pages.

Although it is permissible to revise the Standard EJCDC Text of C-700 (the content beginning at page 1 and continuing to the end), it is common practice to leave the Standard EJCDC Text of C-700 intact and unaltered, with modifications and supplementation of C-700's provisions set forth in EJCDC® C-800, Supplementary Conditions of the Construction Contract (2018). If the Standard Text itself is revised, the

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user must comply with the terms of the License Agreement, Paragraph 4.0, Document-Specific Provisions, concerning the tracking or highlighting of revisions. The following is a summary of the relevant License Agreement provisions:

1. The term "Standard EJCDC Text" for C-700 refers to all text prepared by EJCDC in the main body of the document. Document covers, logos, footers, instructions, or copyright notices are not Standard EJCDC Text for this purpose.
2. During the drafting or negotiating process for C-700, it is important that the two contracting parties are both aware of any changes that have been made to the Standard EJCDC Text. Thus, if a draft or version of C-700 purports to be or appears to be an EJCDC document, the user must plainly show all changes to the Standard EJCDC Text, using "Track Changes" (redline/strikeout), highlighting, or other means of clearly indicating additions and deletions.
3. If C-700 has been revised or altered and is subsequently presented to third parties (such as potential bidders, grant agencies, lenders, or sureties) as an EJCDC document, then the changes to the Standard EJCDC Text must be shown, or the third parties must receive access to a version that shows the changes.
4. Once the document is ready to be finalized (and if applicable executed by the contracting parties), it is no longer necessary to continue to show changes to the Standard EJCDC Text. The user may produce a final version of the document in a format in which all changes are accepted, and the document at that point does not need to include any "Track Changes," redline/strikeout, highlighting, or other indication of additions and deletions to the Standard EJCDC Text.

5.0 LICENSE AGREEMENT

This document is subject to the terms and conditions of the **License Agreement, 2018 EJCDC® Construction Series Documents**. A copy of the License Agreement was furnished at the time of purchase of this document, and is available for review at www.ejcdc.org and the websites of EJCDC's sponsoring organizations.

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STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

ARTICLE 1—DEFINITIONS AND TERMINOLOGY

1.01 *Defined Terms*

A. Wherever used in the Bidding Requirements or Contract Documents, a term printed with initial capital letters, including the term's singular and plural forms, will have the meaning indicated in the definitions below. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs, and the titles of other documents or forms.

1. *Addenda*—Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the proposed Contract Documents.

2. *Agreement*—The written instrument, executed by Owner and Contractor, that sets forth the Contract Price and Contract Times, identifies the parties and the Engineer, and designates the specific items that are Contract Documents.

3. *Application for Payment*—The document prepared by Contractor, in a form acceptable to Engineer, to request progress or final payments, and which is to be accompanied by such supporting documentation as is required by the Contract Documents.

4. *Bid*—The offer of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.

5. *Bidder*—An individual or entity that submits a Bid to Owner.

6. *Bidding Documents*—The Bidding Requirements, the proposed Contract Documents, and all Addenda.

7. *Bidding Requirements*—The Advertisement or invitation to bid, Instructions to Bidders, Bid Bond or other Bid security, if any, the Bid Form, and the Bid with any attachments.

8. *Change Order*—A document which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, or other revision to the Contract, issued on or after the Effective Date of the Contract.

9. *Change Proposal*—A written request by Contractor, duly submitted in compliance with the procedural requirements set forth herein, seeking an adjustment in Contract Price or Contract Times; contesting an initial decision by Engineer concerning the requirements of the Contract Documents or the acceptability of Work under the Contract Documents; challenging a set-off against payments due; or seeking other relief with respect to the terms of the Contract.

10. *Claim*

a. A demand or assertion by Owner directly to Contractor, duly submitted in compliance with the procedural requirements set forth herein, seeking an adjustment of Contract Price or Contract Times; contesting an initial decision by Engineer concerning the requirements of the Contract Documents or the acceptability of Work under the Contract Documents; contesting Engineer's decision regarding a Change Proposal; seeking resolution of a contractual issue that Engineer has declined to address; or seeking other relief with respect to the terms of the Contract.

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b. A demand or assertion by Contractor directly to Owner, duly submitted in compliance with the procedural requirements set forth herein, contesting Engineer's decision regarding a Change Proposal, or seeking resolution of a contractual issue that Engineer has declined to address.

c. A demand or assertion by Owner or Contractor, duly submitted in compliance with the procedural requirements set forth herein, made pursuant to Paragraph 12.01.A.4, concerning disputes arising after Engineer has issued a recommendation of final payment.

d. A demand for money or services by a third party is not a Claim.

11. Constituent of Concern—Asbestos, petroleum, radioactive materials, polychlorinated biphenyls (PCBs), lead-based paint (as defined by the HUD/EPA standard), hazardous waste, and any substance, product, waste, or other material of any nature whatsoever that is or becomes listed, regulated, or addressed pursuant to Laws and Regulations regulating, relating to, or imposing liability or standards of conduct concerning, any hazardous, toxic, or dangerous waste, substance, or material.

12. *Contract*—The entire and integrated written contract between Owner and Contractor concerning the Work.

13. *Contract Documents*—Those items so designated in the Agreement, and which together comprise the Contract.

14. *Contract Price*—The money that Owner has agreed to pay Contractor for completion of the Work in accordance with the Contract Documents.

15. *Contract Times*—The number of days or the dates by which Contractor shall: (a) achieve Milestones, if any; (b) achieve Substantial Completion; and (c) complete the Work.

16. *Contractor*—The individual or entity with which Owner has contracted for performance of the Work.

17. *Cost of the Work*—See Paragraph 13.01 for definition.

18. *Drawings*—The part of the Contract that graphically shows the scope, extent, and character of the Work to be performed by Contractor.

19. *Effective Date of the Contract*—The date, indicated in the Agreement, on which the Contract becomes effective.

20. *Electronic Document*—Any Project-related correspondence, attachments to correspondence, data, documents, drawings, information, or graphics, including but not limited to Shop Drawings and other Submittals, that are in an electronic or digital format.

21. *Electronic Means*—Electronic mail (email), upload/download from a secure Project website, or other communications methods that allow: (a) the transmission or communication of Electronic Documents; (b) the documentation of transmissions, including sending and receipt; (c) printing of the transmitted Electronic Document by the recipient; (d) the storage and archiving of the Electronic Document by sender and recipient; and (e) the use by recipient of the Electronic Document for purposes permitted by this Contract. Electronic Means does not include the use of text messaging, or of Facebook, Twitter, Instagram, or similar social media services for transmission of Electronic Documents.

22. *Engineer*—The individual or entity named as such in the Agreement.

23. *Field Order*—A written order issued by Engineer which requires minor changes in the Work but does not change the Contract Price or the Contract Times.

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24. *Hazardous Environmental Condition*—The presence at the Site of Constituents of Concern in such quantities or circumstances that may present a danger to persons or property exposed thereto.

a. The presence at the Site of materials that are necessary for the execution of the Work, or that are to be incorporated into the Work, and that are controlled and contained pursuant to industry practices, Laws and Regulations, and the requirements of the Contract, is not a Hazardous Environmental Condition.

b. The presence of Constituents of Concern that are to be removed or remediated as part of the Work is not a Hazardous Environmental Condition.

c. The presence of Constituents of Concern as part of the routine, anticipated, and obvious working conditions at the Site, is not a Hazardous Environmental Condition.

25. Laws and Regulations; Laws or Regulations—Any and all applicable laws, statutes, rules, regulations, ordinances, codes, and binding decrees, resolutions, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.

26. *Liens*—Charges, security interests, or encumbrances upon Contract-related funds, real property, or personal property.

27. *Milestone*—A principal event in the performance of the Work that the Contract requires Contractor to achieve by an intermediate completion date, or by a time prior to Substantial Completion of all the Work.

28. *Notice of Award*—The written notice by Owner to a Bidder of Owner's acceptance of the Bid.

29. *Notice to Proceed*—A written notice by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work.

30. *Owner*—The individual or entity with which Contractor has contracted regarding the Work, and which has agreed to pay Contractor for the performance of the Work, pursuant to the terms of the Contract.

31. *Progress Schedule*—A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising Contractor's plan to accomplish the Work within the Contract Times.

32. *Project*—The total undertaking to be accomplished for Owner by engineers, contractors, and others, including planning, study, design, construction, testing, commissioning, and start-up, and of which the Work to be performed under the Contract Documents is a part.

33. *Resident Project Representative*—The authorized representative of Engineer assigned to assist Engineer at the Site. As used herein, the term Resident Project Representative (RPR) includes any assistants or field staff of Resident Project Representative.

34. *Samples*—Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and that establish the standards by which such portion of the Work will be judged.

35. *Schedule of Submittals*—A schedule, prepared and maintained by Contractor, of required submittals and the time requirements for Engineer's review of the submittals.

36. *Schedule of Values*—A schedule, prepared and maintained by Contractor, allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

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37. *Shop Drawings*—All drawings, diagrams, illustrations, schedules, and other data or information that are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work. Shop Drawings, whether approved or not, are not Drawings and are not Contract Documents.

38. *Site*—Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements, and such other lands or areas furnished by Owner which are designated for the use of Contractor.

39. *Specifications*—The part of the Contract that consists of written requirements for materials, equipment, systems, standards, and workmanship as applied to the Work, and certain administrative requirements and procedural matters applicable to the Work.

40. *Subcontractor*—An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work.

41. *Submittal*—A written or graphic document, prepared by or for Contractor, which the Contract Documents require Contractor to submit to Engineer, or that is indicated as a Submittal in the Schedule of Submittals accepted by Engineer. Submittals may include Shop Drawings and Samples; schedules; product data; Owner-delegated designs; sustainable design information; information on special procedures; testing plans; results of tests and evaluations, source quality-control testing and inspections, and field or Site quality-control testing and inspections; warranties and certifications; Suppliers' instructions and reports; records of delivery of spare parts and tools; operations and maintenance data; Project photographic documentation; record documents; and other such documents required by the Contract Documents. Submittals, whether or not approved or accepted by Engineer, are not Contract Documents. Change Proposals, Change Orders, Claims, notices, Applications for Payment, and requests for interpretation or clarification are not Submittals.

42. *Substantial Completion*—The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of Engineer, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms "substantially complete" and "substantially completed" as applied to all or part of the Work refer to Substantial Completion of such Work.

43. *Successful Bidder*—The Bidder to which the Owner makes an award of contract.

44. *Supplementary Conditions*—The part of the Contract that amends or supplements these General Conditions.

45. *Supplier*—A manufacturer, fabricator, supplier, distributor, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or a Subcontractor.

46. *Technical Data*

a. Those items expressly identified as Technical Data in the Supplementary Conditions, with respect to either (1) existing subsurface conditions at or adjacent to the Site, or existing physical conditions at or adjacent to the Site including existing surface or subsurface structures (except Underground Facilities) or (2) Hazardous Environmental Conditions at the Site.

b. If no such express identifications of Technical Data have been made with respect to conditions at the Site, then Technical Data is defined, with respect to conditions at the Site under Paragraphs 5.03, 5.04, and 5.06, as the data contained in boring logs, recorded measurements of subsurface water levels, assessments of the condition of subsurface facilities, laboratory test

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results, and other factual, objective information regarding conditions at the Site that are set forth in any geotechnical, environmental, or other Site or facilities conditions report prepared for the Project and made available to Contractor.

c. Information and data regarding the presence or location of Underground Facilities are not intended to be categorized, identified, or defined as Technical Data, and instead Underground Facilities are shown or indicated on the Drawings.

47. *Underground Facilities*—All active or not-in-service underground lines, pipelines, conduits, ducts, encasements, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or systems at the Site, including but not limited to those facilities or systems that produce, transmit, distribute, or convey telephone or other communications, cable television, fiber optic transmissions, power, electricity, light, heat, gases, oil, crude oil products, liquid petroleum products, water, steam, waste, wastewater, storm water, other liquids or chemicals, or traffic or other control systems. An abandoned facility or system is not an Underground Facility.

48. *Unit Price Work*—Work to be paid for on the basis of unit prices.

49. *Work*—The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction; furnishing, installing, and incorporating all materials and equipment into such construction; and may include related services such as testing, start-up, and commissioning, all as required by the Contract Documents.

50. *Work Change Directive*—A written directive to Contractor issued on or after the Effective Date of the Contract, signed by Owner and recommended by Engineer, ordering an addition, deletion, or revision in the Work.

51. *Engineer of Record* – The individual or entity named as such, or the Design Engineer, in the Agreement and has the authority set forth in the Standard General Conditions.

52. *Surety* – The person, firm, or corporation which is bound by the contract bonds with and for Contractor (Principal); and which is held and firmly bound unto Owner for the conditions of obligations set forth in said bonds.

1.02 *Terminology*

A. The words and terms discussed in Paragraphs 1.02.B, C, D, and E are not defined terms that require initial capital letters, but, when used in the Bidding Requirements or Contract Documents, have the indicated meaning.

B. *Intent of Certain Terms or Adjectives*: The Contract Documents include the terms “as allowed,” “as approved,” “as ordered,” “as directed” or terms of like effect or import to authorize an exercise of professional judgment by Engineer. In addition, the adjectives “reasonable,” “suitable,” “acceptable,” “proper,” “satisfactory,” or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work. It is intended that such exercise of professional judgment, action, or determination will be solely to evaluate, in general, the Work for compliance with the information in the Contract Documents and with the design concept of the Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective is not intended to and shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility contrary to the provisions of Article 10 or any other provision of the Contract Documents.

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C. *Day*: The word "day" means a calendar day of 24 hours measured from midnight to the next midnight.

D. *Defective*: The word "defective," when modifying the word "Work," refers to Work that is unsatisfactory, faulty, or deficient in that it:

1. does not conform to the Contract Documents;

2. does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents; or

3. has been damaged prior to Engineer's recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with Paragraph 15.03 or Paragraph 15.04).

E. *Furnish, Install, Perform, Provide*

1. The word "furnish," when used in connection with services, materials, or equipment, means to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.

2. The word "install," when used in connection with services, materials, or equipment, means to put into use or place in final position said services, materials, or equipment complete and ready for intended use.

3. The words "perform" or "provide," when used in connection with services, materials, or equipment, means to furnish and install said services, materials, or equipment complete and ready for intended use.

4. If the Contract Documents establish an obligation of Contractor with respect to specific services, materials, or equipment, but do not expressly use any of the four words "furnish," "install," "perform," or "provide," then Contractor shall furnish and install said services, materials, or equipment complete and ready for intended use.

F. *Contract Price or Contract Times*: References to a change in "Contract Price or Contract Times" or "Contract Times or Contract Price" or similar, indicate that such change applies to (1) Contract Price, (2) Contract Times, or (3) both Contract Price and Contract Times, as warranted, even if the term "or both" is not expressed.

G. Unless stated otherwise in the Contract Documents, words or phrases that have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

ARTICLE 2—PRELIMINARY MATTERS

2.01 *Delivery of Performance and Payment Bonds; Evidence of Insurance*

A. *Performance and Payment Bonds*: When Contractor delivers the signed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner the performance bond and payment bond (if the Contract requires Contractor to furnish such bonds).

B. *Evidence of Contractor's Insurance*: When Contractor delivers the signed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner, with copies to each additional insured (as identified in the Contract), the certificates, endorsements, and other evidence of insurance required to be provided by Contractor in accordance with Article 6, except to the extent the Supplementary Conditions expressly establish other dates for delivery of specific insurance policies.

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C. *Evidence of Owner's Insurance*: After receipt of the signed counterparts of the Agreement and all required bonds and insurance documentation, Owner shall promptly deliver to Contractor, with copies to each additional insured (as identified in the Contract), the certificates and other evidence of insurance required to be provided by Owner under Article 6.

2.02 *Copies of Documents*

A. Owner shall furnish to Contractor four printed copies of the Contract (including one fully signed counterpart of the Agreement), and one copy in electronic portable document format (PDF). Additional printed copies will be furnished upon request at the cost of reproduction.

B. Owner shall maintain and safeguard at least one original printed record version of the Contract, including Drawings and Specifications signed and sealed by Engineer and other design professionals. Owner shall make such original printed record version of the Contract available to Contractor for review. Owner may delegate the responsibilities under this provision to Engineer.

2.03 *Before Starting Construction*

A. *Preliminary Schedules*: Within 10 days after the Effective Date of the Contract (or as otherwise required by the Contract Documents), Contractor shall submit to Engineer for timely review:

1. a preliminary Progress Schedule indicating the times (numbers of days or dates) for starting and completing the various stages of the Work, including any Milestones specified in the Contract;

2. a preliminary Schedule of Submittals; and

3. a preliminary Schedule of Values for all of the Work which includes quantities and prices of items which when added together equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work.

B. Before any Work at the Site is started, Contractor shall deliver to the Owner, certificates of insurance that Contractor is required to purchase and maintain in accordance with Article 5.

2.04 *Preconstruction Conference; Designation of Authorized Representatives*

A. Before any Work at the Site is started, a conference attended by Owner, Contractor, Engineer, and others as appropriate will be held to establish a working understanding among the parties as to the Work, and to discuss the schedules referred to in Paragraph 2.03.A, procedures for handling Shop Drawings, Samples, and other Submittals, processing Applications for Payment, electronic or digital transmittals, and maintaining required records.

B. At this conference Owner and Contractor each shall designate, in writing, a specific individual to act as its authorized representative with respect to the services and responsibilities under the Contract. Such individuals shall have the authority to transmit and receive information, render decisions relative to the Contract, and otherwise act on behalf of each respective party.

C. Owner may issue Notice to Proceed at the Preconstruction Conference. Contractor shall begin the Work within twenty-four (24) hours of the date given in the Notice to Proceed. If the Contractor does not start the Work within fourteen (14) calendar days after this date, Owner may, at his discretion, terminate Contractor in accordance with Article 16.

2.05 *Acceptance of Schedules*

A. ~~At least 10 days before submission of the first Application for Payment a conference~~ A Preconstruction Conference, attended by Contractor, Engineer, and others as appropriate, will be

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held to review the schedules submitted in accordance with Paragraph 2.03.A. No progress payment will be made to Contractor until acceptable schedules are submitted to Engineer.

1. The Progress Schedule will be acceptable to Engineer if it provides an orderly progression of the Work to completion within the Contract Times. Such acceptance will not impose on Engineer responsibility for the Progress Schedule, for sequencing, scheduling, or progress of the Work, nor interfere with or relieve Contractor from Contractor's full responsibility therefor.
2. Contractor's Schedule of Submittals will be acceptable to Engineer if it provides a workable arrangement for reviewing and processing the required submittals.
3. Contractor's Schedule of Values will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Price to the component parts of the Work.
4. If a schedule is not acceptable, Contractor will have an additional 10 days to revise and resubmit the schedule.
5. A schedule in accordance with the Contract shall be submitted and accepted by the Owner and engineer within thirty (30) days of NTP. Should a schedule not be accepted within thirty (30) days of the NTP, it will be considered a breach of contract and reason for termination of the contract for cause in accordance with the Standard General Conditions.

2.06 *Electronic Transmittals*

A. Except as otherwise stated elsewhere in the Contract, the Owner, Engineer, and Contractor may send, and shall accept, Electronic Documents transmitted by Electronic Means.

B. If the Contract does not establish protocols for Electronic Means, then Owner, Engineer, and Contractor shall jointly develop such protocols.

C. Subject to any governing protocols for Electronic Means, when transmitting Electronic Documents by Electronic Means, the transmitting party makes no representations as to long-term compatibility, usability, or readability of the Electronic Documents resulting from the recipient's use of software application packages, operating systems, or computer hardware differing from those used in the drafting or transmittal of the Electronic Documents.

ARTICLE 3—CONTRACT DOCUMENTS: INTENT, REQUIREMENTS, REUSE

3.01 *Intent*

A. The Contract Documents are complementary; what is required by one Contract Document is as binding as if required by all.

B. It is the intent of the Contract Documents to describe a functionally complete Project (or part thereof) to be constructed in accordance with the Contract Documents.

C. Unless otherwise stated in the Contract Documents, if there is a discrepancy between the electronic versions of the Contract Documents (including any printed copies derived from such electronic versions) and the printed record version, the printed record version will govern.

D. The Contract supersedes prior negotiations, representations, and agreements, whether written or oral.

E. Engineer will issue clarifications and interpretations of the Contract Documents as provided herein.

F. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation will be deemed stricken, and all remaining provisions will continue to be valid and

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binding upon Owner and Contractor, which agree that the Contract Documents will be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

G. Nothing in the Contract Documents creates:

1. any contractual relationship between Owner or Engineer and any Subcontractor, Supplier, or other individual or entity performing or furnishing any of the Work, for the benefit of such Subcontractor, Supplier, or other individual or entity; or

2. any obligation on the part of Owner or Engineer to pay or to see to the payment of any money due any such Subcontractor, Supplier, or other individual or entity, except as may otherwise be required by Laws and Regulations.

3.02 *Reference Standards*

A. *Standards Specifications, Codes, Laws and Regulations*

1. Reference in the Contract Documents to standard specifications, manuals, reference standards, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, means the standard specification, manual, reference standard, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Contract if there were no Bids), except as may be otherwise specifically stated in the Contract Documents.

2. No provision of any such standard specification, manual, reference standard, or code, and no instruction of a Supplier, will be effective to change the duties or responsibilities of Owner, Contractor, or Engineer from those set forth in the part of the Contract Documents prepared by or for Engineer. No such provision or instruction shall be effective to assign to Owner or Engineer any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility inconsistent with the provisions of the part of the Contract Documents prepared by or for Engineer.

3.03 *Reporting and Resolving Discrepancies*

A. *Reporting Discrepancies*

1. *Contractor's Verification of Figures and Field Measurements*: Before undertaking each part of the Work, Contractor shall carefully study the Contract Documents, and check and verify pertinent figures and dimensions therein, particularly with respect to applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy that Contractor discovers, or has actual knowledge of, and shall not proceed with any Work affected thereby until the conflict, error, ambiguity, or discrepancy is resolved by a clarification or interpretation by Engineer, or by an amendment or supplement to the Contract issued pursuant to Paragraph 11.01.

2. *Contractor's Review of Contract Documents*: If, before or during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents, or between the Contract Documents and (a) any applicable Law or Regulation, (b) actual field conditions, (c) any standard specification, manual, reference standard, or code, or (d) any instruction of any Supplier, then Contractor shall promptly report it to Engineer in writing. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by Paragraph 7.15) until the conflict, error, ambiguity, or discrepancy is resolved, by a clarification or interpretation by Engineer, or by an amendment or supplement to the Contract issued pursuant to Paragraph 11.01.

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3. Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor had actual knowledge thereof.

B. *Resolving Discrepancies*

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the part of the Contract Documents prepared by or for Engineer take precedence in resolving any conflict, error, ambiguity, or discrepancy between such provisions of the Contract Documents and:

a. the provisions of any standard specification, manual, reference standard, or code, or the instruction of any Supplier (whether or not specifically incorporated by reference as a Contract Document); or

b. the provisions of any Laws or Regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

3.04 *Requirements of the Contract Documents*

A. During the performance of the Work and until final payment, Contractor and Owner shall submit to the Engineer in writing all matters in question concerning the requirements of the Contract Documents (sometimes referred to as requests for information or interpretation—RFIs), or relating to the acceptability of the Work under the Contract Documents, as soon as possible after such matters arise. Engineer will be the initial interpreter of the requirements of the Contract Documents, and judge of the acceptability of the Work.

B. Engineer will, with reasonable promptness, render a written clarification, interpretation, or decision on the issue submitted, or initiate an amendment or supplement to the Contract Documents. Engineer's written clarification, interpretation, or decision will be final and binding on Contractor, unless it appeals by submitting a Change Proposal, and on Owner, unless it appeals by filing a Claim.

C. If a submitted matter in question concerns terms and conditions of the Contract Documents that do not involve (1) the performance or acceptability of the Work under the Contract Documents, (2) the design (as set forth in the Drawings, Specifications, or otherwise), or (3) other engineering or technical matters, then Engineer will promptly notify Owner and Contractor in writing that Engineer is unable to provide a decision or interpretation. If Owner and Contractor are unable to agree on resolution of such a matter in question, either party may pursue resolution as provided in Article 12.

3.05 *Reuse of Documents*

A. Contractor and its Subcontractors and Suppliers shall not:

1. have or acquire any title to or ownership rights in any of the Drawings, Specifications, or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or its consultants, including electronic media versions, or reuse any such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and Engineer and specific written verification or adaptation by Engineer; or

2. have or acquire any title or ownership rights in any other Contract Documents, reuse any such Contract Documents for any purpose without Owner's express written consent, or violate any copyrights pertaining to such Contract Documents.

B. The prohibitions of this Paragraph 3.05 will survive final payment, or termination of the Contract. Nothing herein precludes Contractor from retaining copies of the Contract Documents for record purposes.

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ARTICLE 4—COMMENCEMENT AND PROGRESS OF THE WORK

4.01 *Commencement of Contract Times; Notice to Proceed*

A. The Contract Times will commence to run on the 30th day after the Effective Date of the Contract or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within 30 days after the Effective Date of the Contract. In no event will the Contract Times commence to run later than the 60th day after the day of Bid opening or the 30th day after the Effective Date of the Contract, whichever date is earlier.

4.02 *Starting the Work*

A. Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work may be done at the Site prior to such date.

4.03 *Reference Points*

A. Owner shall provide engineering surveys to establish reference points for construction which in Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

4.04 *Progress Schedule*

A. Contractor shall adhere to the Progress Schedule established in accordance with Paragraph 2.05 as it may be adjusted from time to time as provided below.

1. Contractor shall submit to Engineer for acceptance (to the extent indicated in Paragraph 2.05) proposed adjustments in the Progress Schedule that will not result in changing the Contract Times.

2. Proposed adjustments in the Progress Schedule that will change the Contract Times must be submitted in accordance with the requirements of Article 11.

B. Contractor shall carry on the Work and adhere to the Progress Schedule during all disputes or disagreements with Owner. No Work will be delayed or postponed pending resolution of any disputes or disagreements, or during any appeal process, except as permitted by Paragraph 16.04, or as Owner and Contractor may otherwise agree in writing.

4.05 *Delays in Contractor's Progress*

A. If Owner, Engineer, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in Contract Price or Contract Times.

B. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delay, disruption, or interference caused by or within the control of Contractor. Delay, disruption, and interference attributable to and within the control of a Subcontractor or Supplier shall be deemed to be within the control of Contractor.

C. If Contractor's performance or progress is delayed, disrupted, or interfered with by unanticipated causes not the fault of and beyond the control of Owner, Contractor, and those for which they are responsible, then Contractor shall be entitled to an equitable adjustment in Contract Times. Such an adjustment will be Contractor's sole and exclusive remedy for the delays, disruption, and

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interference described in this paragraph. Causes of delay, disruption, or interference that may give rise to an adjustment in Contract Times under this paragraph include but are not limited to the following:

1. Severe and unavoidable natural catastrophes such as fires, floods, epidemics, and earthquakes;
2. Abnormal or adverse weather conditions. On the 21st of each month, or the next following business day, the Contractor shall submit to the Owner and Engineer a request for weather days. Failure to submit the request forfeits the right to claim weather days for that period and any previous period. The Owner will grant time extensions, on a day for day basis, for delays caused by the effects of rains or other inclement weather conditions or related adverse soil conditions that prevent the Contractor from productively performing controlling items of work resulting in:

a. The Contractor being unable to work at lease 50% of the normal work day on pre-determined controlling work items due to adverse weather conditions.

No additional compensation will be made for delays caused by the effects of inclement weather.

3. Acts or failures to act of third-party utility owners or other third-party entities (other than those third-party utility owners or other third-party entities performing other work at or adjacent to the Site as arranged by or under contract with Owner, as contemplated in Article 8); and
4. Acts of war or terrorism.

D. Contractor's entitlement to an adjustment of Contract Times or Contract Price is limited as follows:

1. Contractor's entitlement to an adjustment of the Contract Times is conditioned on the delay, disruption, or interference adversely affecting an activity on the critical path to completion of the Work, as of the time of the delay, disruption, or interference.
2. Contractor shall not be entitled to an adjustment in Contract Price for any delay, disruption, or interference if such delay is concurrent with a delay, disruption, or interference caused by or within the control of Contractor. Such a concurrent delay by Contractor shall not preclude an adjustment of Contract Times to which Contractor is otherwise entitled.
3. Adjustments of Contract Times or Contract Price are subject to the provisions of Article 11.

E. Each Contractor request or Change Proposal seeking an increase in Contract Times or Contract Price must be supplemented by supporting data that sets forth in detail the following:

1. The circumstances that form the basis for the requested adjustment;
2. The date upon which each cause of delay, disruption, or interference began to affect the progress of the Work;
3. The date upon which each cause of delay, disruption, or interference ceased to affect the progress of the Work;
4. The number of days' increase in Contract Times claimed as a consequence of each such cause of delay, disruption, or interference; and
5. The impact on Contract Price, in accordance with the provisions of Paragraph 11.07.

Contractor shall also furnish such additional supporting documentation as Owner or Engineer may require including, where appropriate, a revised progress schedule indicating all the activities affected by the delay, disruption, or interference, and an explanation of the effect of the delay, disruption, or interference on the critical path to completion of the Work.

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F. Delays, disruption, and interference to the performance or progress of the Work resulting from the existence of a differing subsurface or physical condition, an Underground Facility that was not shown or indicated by the Contract Documents, or not shown or indicated with reasonable accuracy, and those resulting from Hazardous Environmental Conditions, are governed by Article 5, together with the provisions of Paragraphs 4.05.D and 4.05.E.

G. Paragraph 8.03 addresses delays, disruption, and interference to the performance or progress of the Work resulting from the performance of certain other work at or adjacent to the Site.

ARTICLE 5—SITE; SUBSURFACE AND PHYSICAL CONDITIONS; HAZARDOUS ENVIRONMENTAL CONDITIONS

5.01 *Availability of Lands*

A. Owner shall furnish the Site. Owner shall notify Contractor in writing of any encumbrances or restrictions not of general application but specifically related to use of the Site with which Contractor must comply in performing the Work.

B. Upon reasonable written request, Owner shall furnish Contractor with a current statement of record legal title and legal description of the lands upon which permanent improvements are to be made and Owner's interest therein as necessary for giving notice of or filing a mechanic's or construction lien against such lands in accordance with applicable Laws and Regulations.

C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

D. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment. Contractor shall obtain said land rights at his own expense and without liability to the Owner. Contractor shall not enter upon private property without first obtaining written permission from the rightful property owner.

5.02 *Use of Site and Other Areas*

A. *Limitation on Use of Site and Other Areas*

1. Contractor shall confine construction equipment, temporary construction facilities, the storage of materials and equipment, and the operations of workers to the Site, adjacent areas that Contractor has arranged to use through construction easements or otherwise, and other adjacent areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and such other adjacent areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for (a) damage to the Site; (b) damage to any such other adjacent areas used for Contractor's operations; (c) damage to any other adjacent land or areas, or to improvements, structures, utilities, or similar facilities located at such adjacent lands or areas; and (d) for injuries and losses sustained by the owners or occupants of any such land or areas; provided that such damage or injuries result from the performance of the Work or from other actions or conduct of the Contractor or those for which Contractor is responsible.

2. If a damage or injury claim is made by the owner or occupant of any such land or area because of the performance of the Work, or because of other actions or conduct of the Contractor or those for which Contractor is responsible, Contractor shall (a) take immediate corrective or remedial action as required by Paragraph 7.13, or otherwise; (b) promptly attempt to settle the claim as to all parties through negotiations with such owner or occupant, or otherwise resolve the claim by arbitration or other dispute resolution proceeding, or in a court of competent jurisdiction; and (c) to the fullest extent permitted by Laws and Regulations, indemnify and hold harmless Owner and

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Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from and against any such claim, and against all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner, Engineer, or any other party indemnified hereunder to the extent caused directly or indirectly, in whole or in part by, or based upon, Contractor's performance of the Work, or because of other actions or conduct of the Contractor or those for which Contractor is responsible.

B. *Removal of Debris During Performance of the Work*: During the progress of the Work the Contractor shall keep the Site and other adjacent areas free from accumulations of waste materials, rubbish, and other debris. Removal and disposal of such waste materials, rubbish, and other debris will conform to applicable Laws and Regulations.

C. *Cleaning*: Prior to Substantial Completion of the Work Contractor shall clean the Site and the Work and make it ready for utilization by Owner. At the completion of the Work Contractor shall remove from the Site and adjacent areas all tools, appliances, construction equipment and machinery, and surplus materials and shall restore to original condition all property not designated for alteration by the Contract Documents.

D. *Loading of Structures*: Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent structures or land to stresses or pressures that will endanger them.

5.03 *Subsurface and Physical Conditions*

A. *Reports and Drawings*: The Supplementary Conditions identify:

1. Those reports of explorations and tests of subsurface conditions at or adjacent to the Site that contain Technical Data;

2. Those drawings of existing physical conditions at or adjacent to the Site, including those drawings depicting existing surface or subsurface structures at or adjacent to the Site (except Underground Facilities), that contain Technical Data; and

3. Technical Data contained in such reports and drawings.

B. *Underground Facilities*: Underground Facilities are shown or indicated on the Drawings, pursuant to Paragraph 5.05, and not in the drawings referred to in Paragraph 5.03.A. Information and data regarding the presence or location of Underground Facilities are not intended to be categorized, identified, or defined as Technical Data.

C. *Reliance by Contractor on Technical Data*: Contractor may rely upon the accuracy of the Technical Data expressly identified in the Supplementary Conditions with respect to such reports and drawings, but such reports and drawings are not Contract Documents. If no such express identification has been made, then Contractor may rely upon the accuracy of the Technical Data as defined in Paragraph 1.01.A.46.b.

D. *Limitations of Other Data and Documents*: Except for such reliance on Technical Data, Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto;

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2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings;

3. the contents of other Site-related documents made available to Contractor, such as record drawings from other projects at or adjacent to the Site, or Owner's archival documents concerning the Site; or

4. any Contractor interpretation of or conclusion drawn from any Technical Data or any such other data, interpretations, opinions, or information.

5.04 *Differing Subsurface or Physical Conditions*

A. *Notice by Contractor*: If Contractor believes that any subsurface or physical condition that is uncovered or revealed at the Site:

1. is of such a nature as to establish that any Technical Data on which Contractor is entitled to rely as provided in Paragraph 5.03 is materially inaccurate;

2. is of such a nature as to require a change in the Drawings or Specifications;

3. differs materially from that shown or indicated in the Contract Documents; or

4. is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents;

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency as required by Paragraph 7.15), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except with respect to an emergency) until receipt of a written statement permitting Contractor to do so.

B. *Engineer's Review*: After receipt of written notice as required by the preceding paragraph, Engineer will promptly review the subsurface or physical condition in question; determine whether it is necessary for Owner to obtain additional exploration or tests with respect to the condition; conclude whether the condition falls within any one or more of the differing site condition categories in Paragraph 5.04.A; obtain any pertinent cost or schedule information from Contractor; prepare recommendations to Owner regarding the Contractor's resumption of Work in connection with the subsurface or physical condition in question and the need for any change in the Drawings or Specifications; and advise Owner in writing of Engineer's findings, conclusions, and recommendations.

C. *Owner's Statement to Contractor Regarding Site Condition*: After receipt of Engineer's written findings, conclusions, and recommendations, Owner shall issue a written statement to Contractor (with a copy to Engineer) regarding the subsurface or physical condition in question, addressing the resumption of Work in connection with such condition, indicating whether any change in the Drawings or Specifications will be made, and adopting or rejecting Engineer's written findings, conclusions, and recommendations, in whole or in part.

D. *Early Resumption of Work*: If at any time Engineer determines that Work in connection with the subsurface or physical condition in question may resume prior to completion of Engineer's review or Owner's issuance of its statement to Contractor, because the condition in question has been adequately documented, and analyzed on a preliminary basis, then the Engineer may at its discretion instruct Contractor to resume such Work.

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E. *Possible Price and Times Adjustments*

1. Contractor shall be entitled to an equitable adjustment in Contract Price or Contract Times, to the extent that the existence of a differing subsurface or physical condition, or any related delay, disruption, or interference, causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:

a. Such condition must fall within any one or more of the categories described in Paragraph 5.04.A;

b. With respect to Work that is paid for on a unit price basis, any adjustment in Contract Price will be subject to the provisions of Paragraph 13.03; and,

c. Contractor's entitlement to an adjustment of the Contract Times is subject to the provisions of Paragraphs 4.05.D and 4.05.E.

2. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times with respect to a subsurface or physical condition if:

a. Contractor knew of the existence of such condition at the time Contractor made a commitment to Owner with respect to Contract Price and Contract Times by the submission of a Bid or becoming bound under a negotiated contract, or otherwise;

b. The existence of such condition reasonably could have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas expressly required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making such commitment; or

c. Contractor failed to give the written notice required by Paragraph 5.04.A.

3. If Owner and Contractor agree regarding Contractor's entitlement to and the amount or extent of any adjustment in the Contract Price or Contract Times, then any such adjustment will be set forth in a Change Order.

4. Contractor may submit a Change Proposal regarding its entitlement to or the amount or extent of any adjustment in the Contract Price or Contract Times, no later than 30 days after Owner's issuance of the Owner's written statement to Contractor regarding the subsurface or physical condition in question.

F. *Underground Facilities; Hazardous Environmental Conditions*: Paragraph 5.05 governs rights and responsibilities regarding the presence or location of Underground Facilities. Paragraph 5.06 governs rights and responsibilities regarding Hazardous Environmental Conditions. The provisions of Paragraphs 5.03 and 5.04 are not applicable to the presence or location of Underground Facilities, or to Hazardous Environmental Conditions.

5.05 *Underground Facilities*

A. *Contractor's Responsibilities*: Unless it is otherwise expressly provided in the Supplementary Conditions, the cost of all of the following are included in the Contract Price, and Contractor shall have full responsibility for:

1. reviewing and checking all information and data regarding existing Underground Facilities at the Site;

2. complying with applicable state and local utility damage prevention Laws and Regulations;

3. verifying the actual location of those Underground Facilities shown or indicated in the Contract Documents as being within the area affected by the Work, by exposing such Underground Facilities during the course of construction;

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4. coordination of the Work with the owners (including Owner) of such Underground Facilities, during construction; and

5. the safety and protection of all existing Underground Facilities at the Site, and repairing any damage thereto resulting from the Work.

B. *Notice by Contractor*: If Contractor believes that an Underground Facility that is uncovered or revealed at the Site was not shown or indicated on the Drawings, or was not shown or indicated on the Drawings with reasonable accuracy, then Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency as required by Paragraph 7.15), notify Owner and Engineer in writing regarding such Underground Facility.

C. *Engineer's Review*: Engineer will:

1. promptly review the Underground Facility and conclude whether such Underground Facility was not shown or indicated on the Drawings, or was not shown or indicated with reasonable accuracy;

2. identify and communicate with the owner of the Underground Facility; prepare recommendations to Owner (and if necessary issue any preliminary instructions to Contractor) regarding the Contractor's resumption of Work in connection with the Underground Facility in question;

3. obtain any pertinent cost or schedule information from Contractor; determine the extent, if any, to which a change is required in the Drawings or Specifications to reflect and document the consequences of the existence or location of the Underground Facility; and

4. advise Owner in writing of Engineer's findings, conclusions, and recommendations.

During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

D. *Owner's Statement to Contractor Regarding Underground Facility*: After receipt of Engineer's written findings, conclusions, and recommendations, Owner shall issue a written statement to Contractor (with a copy to Engineer) regarding the Underground Facility in question addressing the resumption of Work in connection with such Underground Facility, indicating whether any change in the Drawings or Specifications will be made, and adopting or rejecting Engineer's written findings, conclusions, and recommendations in whole or in part.

E. *Early Resumption of Work*: If at any time Engineer determines that Work in connection with the Underground Facility may resume prior to completion of Engineer's review or Owner's issuance of its statement to Contractor, because the Underground Facility in question and conditions affected by its presence have been adequately documented, and analyzed on a preliminary basis, then the Engineer may at its discretion instruct Contractor to resume such Work.

F. *Possible Price and Times Adjustments*

1. Contractor shall be entitled to an equitable adjustment in the Contract Price or Contract Times, to the extent that any existing Underground Facility at the Site that was not shown or indicated on the Drawings, or was not shown or indicated with reasonable accuracy, or any related delay, disruption, or interference, causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:

a. With respect to Work that is paid for on a unit price basis, any adjustment in Contract Price will be subject to the provisions of Paragraph 13.03;

b. Contractor's entitlement to an adjustment of the Contract Times is subject to the provisions of Paragraphs 4.05.D and 4.05.E; and

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c. Contractor gave the notice required in Paragraph 5.05.B.

2. If Owner and Contractor agree regarding Contractor's entitlement to and the amount or extent of any adjustment in the Contract Price or Contract Times, then any such adjustment will be set forth in a Change Order.

3. Contractor may submit a Change Proposal regarding its entitlement to or the amount or extent of any adjustment in the Contract Price or Contract Times, no later than 30 days after Owner's issuance of the Owner's written statement to Contractor regarding the Underground Facility in question.

4. The information and data shown or indicated on the Drawings with respect to existing Underground Facilities at the Site is based on information and data (a) furnished by the owners of such Underground Facilities, or by others, (b) obtained from available records, or (c) gathered in an investigation conducted in accordance with the current edition of ASCE 38, Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data, by the American Society of Civil Engineers. If such information or data is incorrect or incomplete, Contractor's remedies are limited to those set forth in this Paragraph 5.05.F.

5.06 *Hazardous Environmental Conditions at Site*

A. *Reports and Drawings*: The Supplementary Conditions identify:

1. those reports known to Owner relating to Hazardous Environmental Conditions that have been identified at or adjacent to the Site;

2. drawings known to Owner relating to Hazardous Environmental Conditions that have been identified at or adjacent to the Site; and

3. Technical Data contained in such reports and drawings.

B. *Reliance by Contractor on Technical Data Authorized*: Contractor may rely upon the accuracy of the Technical Data expressly identified in the Supplementary Conditions with respect to such reports and drawings, but such reports and drawings are not Contract Documents. If no such express identification has been made, then Contractor may rely on the accuracy of the Technical Data as defined in Paragraph 1.01.A.46.b. Except for such reliance on Technical Data, Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto;

2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or

3. any Contractor interpretation of or conclusion drawn from any Technical Data or any such other data, interpretations, opinions or information.

C. Contractor shall not be responsible for removing or remediating any Hazardous Environmental Condition encountered, uncovered, or revealed at the Site unless such removal or remediation is expressly identified in the Contract Documents to be within the scope of the Work.

D. Contractor shall be responsible for controlling, containing, and duly removing all Constituents of Concern brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible, and for any associated costs; and for the costs of removing and

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remediating any Hazardous Environmental Condition created by the presence of any such Constituents of Concern.

E. If Contractor encounters, uncovers, or reveals a Hazardous Environmental Condition whose removal or remediation is not expressly identified in the Contract Documents as being within the scope of the Work, or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, then Contractor shall immediately: (1) secure or otherwise isolate such condition; (2) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by Paragraph 7.15); and (3) notify Owner and Engineer (and promptly thereafter confirm such notice in writing). Owner shall promptly consult with Engineer concerning the necessity for Owner to retain a qualified expert to evaluate such condition or take corrective action, if any. Promptly after consulting with Engineer, Owner shall take such actions as are necessary to permit Owner to timely obtain required permits and provide Contractor the written notice required by Paragraph 5.06.F. If Contractor or anyone for whom Contractor is responsible created the Hazardous Environmental Condition in question, then Owner may remove and remediate the Hazardous Environmental Condition, and impose a set-off against payments to account for the associated costs.

F. Contractor shall not resume Work in connection with such Hazardous Environmental Condition or in any affected area until after Owner has obtained any required permits related thereto, and delivered written notice to Contractor either (1) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work, or (2) specifying any special conditions under which such Work may be resumed safely.

G. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, as a result of such Work stoppage, such special conditions under which Work is agreed to be resumed by Contractor, or any costs or expenses incurred in response to the Hazardous Environmental Condition, then within 30 days of Owner's written notice regarding the resumption of Work, Contractor may submit a Change Proposal, or Owner may impose a set-off. Entitlement to any such adjustment is subject to the provisions of Paragraphs 4.05.D, 4.05.E, 11.07, and 11.08.

H. If, after receipt of such written notice, Contractor does not agree to resume such Work based on a reasonable belief it is unsafe, or does not agree to resume such Work under such special conditions, then Owner may order the portion of the Work that is in the area affected by such condition to be deleted from the Work, following the contractual change procedures in Article 11. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 8.

I. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court, arbitration, or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition (1) was not shown or indicated in the Drawings, Specifications, or other Contract Documents, identified as Technical Data entitled to limited reliance pursuant to Paragraph 5.06.B, or identified in the Contract Documents to be included within the scope of the Work, and (2) was not created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 5.06.I obligates Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

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J. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to the failure to control, contain, or remove a Constituent of Concern brought to the Site by Contractor or by anyone for whom Contractor is responsible, or to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 5.06.J obligates Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

K. The provisions of Paragraphs 5.03, 5.04, and 5.05 do not apply to the presence of Constituents of Concern or to a Hazardous Environmental Condition uncovered or revealed at the Site.

ARTICLE 6—BONDS AND INSURANCE

6.01 *Performance, Payment, and Other Bonds*

A. Contractor shall furnish a performance bond and a payment bond, each in an amount at least equal to the Contract Price, as security for the faithful performance and payment of Contractor's obligations under the Contract. These bonds must remain in effect until one year after the date when final payment becomes due or until completion of the correction period specified in Paragraph 15.08, whichever is later, except as provided otherwise by Laws or Regulations, the terms of a prescribed bond form, the Supplementary Conditions, or other provisions of the Contract.

B. Contractor shall also furnish such other bonds (if any) as are required by the Supplementary Conditions or other provisions of the Contract.

C. ~~All bonds must be in the form included in the Bidding Documents or otherwise specified by Owner prior to execution of the Contract, except as provided otherwise by Laws or Regulations, and must be issued and signed by a surety named in "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Department Circular 570 (as amended and supplemented) by the Bureau of the Fiscal Service, U.S. Department of the Treasury. A bond signed by an agent or attorney-in-fact must be accompanied by a certified copy of that individual's authority to bind the surety. The evidence of authority must show that it is effective on the date the agent or attorney-in-fact signed the accompanying bond~~ All Bonds shall be in the form prescribed by the Contract Documents or other form approved by Owner. All else notwithstanding, the terms of all Bonds shall be substantially in the form prescribed by Chapter 225, Florida Statutes. All Bonds shall be executed by Contractor and a corporate bonding company licensed to transact such business in the State of Florida and named on the current list of "Surety Companies Acceptable on Federal Bonds" as published in the Treasury Department Circular Number 570. Contactor will cause the Bonds to be recorded with the Clerk of the Circuit Court in the county in which the Work is to be performed. Failure to execute bonds in the form prescribed may constitute non-responsiveness on the part of the Contractor. The expense for all Bonds shall be the Contractor's responsibility.

D. Contractor shall obtain the required bonds from surety companies that are duly licensed or authorized, in the state or jurisdiction in which the Project is located, to issue bonds in the required amounts.

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E. If the surety on a bond furnished by Contractor is declared bankrupt or becomes insolvent, or the surety ceases to meet the requirements above, then Contractor shall promptly notify Owner and Engineer in writing and shall, within 20 days after the event giving rise to such notification, provide another bond and surety, both of which must comply with the bond and surety requirements above.

F. If Contractor has failed to obtain a required bond, Owner may exclude the Contractor from the Site and exercise Owner's termination rights under Article 16.

G. Upon request to Owner from any Subcontractor, Supplier, or other person or entity claiming to have furnished labor, services, materials, or equipment used in the performance of the Work, Owner shall provide a copy of the payment bond to such person or entity.

H. Upon request to Contractor from any Subcontractor, Supplier, or other person or entity claiming to have furnished labor, services, materials, or equipment used in the performance of the Work, Contractor shall provide a copy of the payment bond to such person or entity.

6.02 *Insurance—General Provisions*

A. Owner and Contractor shall obtain and maintain insurance as required in this article and in the Supplementary Conditions.

B. All insurance required by the Contract to be purchased and maintained by Owner or Contractor shall be obtained from insurance companies that are duly licensed or authorized in the state or jurisdiction in which the Project is located to issue insurance policies for the required limits and coverages. Unless a different standard is indicated in the Supplementary Conditions, or unless approved in writing by the Owner, all companies that provide insurance policies required under this Contract shall have ~~an A.M. Best rating of A-VII or better~~ a current Rating Classification/Financial Category as published in the latest edition of "Best's Key Rating Guide" of at least an A- or above.

C. Alternative forms of insurance coverage, including but not limited to self-insurance and "Occupational Accident and Excess Employer's Indemnity Policies," are not sufficient to meet the insurance requirements of this Contract, unless expressly allowed in the Supplementary Conditions.

D. Contractor shall deliver to Owner, with copies to each additional insured identified in the Contract, certificates of insurance and endorsements establishing that Contractor has obtained and is maintaining the policies and coverages required by the Contract. Upon request by Owner or any other insured, Contractor shall also furnish other evidence of such required insurance, including but not limited to copies of policies, documentation of applicable self-insured retentions (if allowed) and deductibles, full disclosure of all relevant exclusions, and evidence of insurance required to be purchased and maintained by Subcontractors or Suppliers. In any documentation furnished under this provision, Contractor, Subcontractors, and Suppliers may block out (redact) (1) any confidential premium or pricing information and (2) any wording specific to a project or jurisdiction other than those applicable to this Contract.

E. Owner shall deliver to Contractor, with copies to each additional insured identified in the Contract, certificates of insurance and endorsements establishing that Owner has obtained and is maintaining the policies and coverages required of Owner by the Contract (if any). All certificates of insurance shall be dated and shall show the name of the insured Contractor, the specific job by name and job number, the name of the insurer, the policy number assigned, its effective date and its termination date and a list of any exclusionary endorsements. Upon request by Contractor or any other insured, Owner shall also provide other evidence of such required insurance (if any), including but not limited to copies of policies, documentation of applicable self-insured retentions (if allowed) and deductibles, and full disclosure of all relevant exclusions. In any documentation

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furnished under this provision, Owner may block out (redact) (1) any confidential premium or pricing information and (2) any wording specific to a project or jurisdiction other than those relevant to this Contract.

F. Failure of Owner or Contractor to demand such certificates or other evidence of the other party's full compliance with these insurance requirements, or failure of Owner or Contractor to identify a deficiency in compliance from the evidence provided, will not be construed as a waiver of the other party's obligation to obtain and maintain such insurance.

G. In addition to the liability insurance required to be provided by Contractor, the Owner, at Owner's option, may purchase and maintain Owner's own liability insurance. Owner's liability policies, if any, operate separately and independently from policies required to be provided by Contractor, and Contractor cannot rely upon Owner's liability policies for any of Contractor's obligations to the Owner, Engineer, or third parties.

H. Contractor shall require:

1. Subcontractors to purchase and maintain worker's compensation, commercial general liability, and other insurance that is appropriate for their participation in the Project, and to name as additional insureds Owner and Engineer (and any other individuals or entities identified in the Supplementary Conditions as additional insureds on Contractor's liability policies) on each Subcontractor's commercial general liability insurance policy; and

2. Suppliers to purchase and maintain insurance that is appropriate for their participation in the Project.

I. If either party does not purchase or maintain the insurance required of such party by the Contract, such party shall notify the other party in writing of such failure to purchase prior to the start of the Work, or of such failure to maintain prior to any change in the required coverage.

J. If Contractor has failed to obtain and maintain required insurance, Contractor's entitlement to enter or remain at the Site will end immediately, and Owner may impose an appropriate set-off against payment for any associated costs (including but not limited to the cost of purchasing necessary insurance coverage), and exercise Owner's termination rights under Article 16.

K. Without prejudice to any other right or remedy, if a party has failed to obtain required insurance, the other party may elect (but is in no way obligated) to obtain equivalent insurance to protect such other party's interests at the expense of the party who was required to provide such coverage, and the Contract Price will be adjusted accordingly.

L. Owner does not represent that insurance coverage and limits established in this Contract necessarily will be adequate to protect Contractor or Contractor's interests. Contractor is responsible for determining whether such coverage and limits are adequate to protect its interests, and for obtaining and maintaining any additional insurance that Contractor deems necessary.

M. The insurance and insurance limits required herein will not be deemed as a limitation on Contractor's liability, or that of its Subcontractors or Suppliers, under the indemnities granted to Owner and other individuals and entities in the Contract or otherwise.

N. All the policies of insurance required to be purchased and maintained under this Contract will contain a provision or endorsement that the coverage afforded will not be canceled, or renewal refused, until at least ~~10~~ thirty (30) days prior written notice has been given to the purchasing policyholder, Owner and other individuals and entities in the Contract or otherwise listed in the Contract Documents. ~~Within three days of receipt of any such written notice, the purchasing~~ ~~policyholder shall provide a copy of the notice to each other insured and Engineer.~~

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6.03 *Contractor's Insurance*

A. *Required Insurance*: Contractor shall purchase and maintain Worker's Compensation, Commercial General Liability, and other insurance pursuant to the specific requirements of the Supplementary Conditions.

B. *General Provisions*: The policies of insurance required by this Paragraph 6.03 as supplemented must:

1. include at least the specific coverages required;

2. be written for not less than the limits provided, or those required by Laws or Regulations, whichever is greater;

3. remain in effect at least until the Work is complete (as set forth in Paragraph 15.06.D), and longer if expressly required elsewhere in this Contract, and at all times thereafter when Contractor may be correcting, removing, or replacing defective Work as a warranty or correction obligation, or otherwise, or returning to the Site to conduct other tasks arising from the Contract;

4. apply with respect to the performance of the Work, whether such performance is by Contractor, any Subcontractor or Supplier, or by anyone directly or indirectly employed by any of them to perform any of the Work, or by anyone for whose acts any of them may be liable; and

5. include all necessary endorsements to support the stated requirements.

C. *Additional Insureds*: The Contractor's commercial general liability, automobile liability, employer's liability, umbrella or excess, pollution liability, and unmanned aerial vehicle liability policies, if required by this Contract, must:

1. include and list as additional insureds Owner and Engineer, and any individuals or entities identified as additional insureds in the Supplementary Conditions;

2. include coverage for the respective officers, directors, members, partners, employees, and consultants of all such additional insureds;

3. afford primary coverage to these additional insureds for all claims covered thereby (including as applicable those arising from both ongoing and completed operations);

4. not seek contribution from insurance maintained by the additional insured; and

5. as to commercial general liability insurance, apply to additional insureds with respect to liability caused in whole or in part by Contractor's acts or omissions, or the acts and omissions of those working on Contractor's behalf, in the performance of Contractor's operations.

6.04 *Builder's Risk and Other Property Insurance*

A. *Builder's Risk*: Unless otherwise provided in the Supplementary Conditions, Contractor shall purchase and maintain builder's risk insurance upon the Work on a completed value basis, in the amount of the Work's full insurable replacement cost (subject to such deductible amounts as may be provided in the Supplementary Conditions or required by Laws and Regulations). The specific requirements applicable to the builder's risk insurance are set forth in the Supplementary Conditions.

B. *Property Insurance for Facilities of Owner Where Work Will Occur*: Owner is responsible for obtaining and maintaining property insurance covering each existing structure, building, or facility in which any part of the Work will occur, or to which any part of the Work will attach or be adjoined. Such property insurance will be written on a special perils (all-risk) form, on a

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replacement cost basis, providing coverage consistent with that required for the builder's risk insurance, and will be maintained until the Work is complete, as set forth in Paragraph 15.06.D.

C. *Property Insurance for Substantially Complete Facilities*: Promptly after Substantial Completion, and before actual occupancy or use of the substantially completed Work, Owner will obtain property insurance for such substantially completed Work, and maintain such property insurance at least until the Work is complete, as set forth in Paragraph 15.06.D. Such property insurance will be written on a special perils (all-risk) form, on a replacement cost basis, and provide coverage consistent with that required for the builder's risk insurance. The builder's risk insurance may terminate upon written confirmation of Owner's procurement of such property insurance.

D. *Partial Occupancy or Use by Owner*: If Owner will occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work, as provided in Paragraph 15.04, then Owner (directly, if it is the purchaser of the builder's risk policy, or through Contractor) will provide advance notice of such occupancy or use to the builder's risk insurer, and obtain an endorsement consenting to the continuation of coverage prior to commencing such partial occupancy or use.

E. *Insurance of Other Property; Additional Insurance*: If the express insurance provisions of the Contract do not require or address the insurance of a property item or interest, then the entity or individual owning such property item will be responsible for insuring it. If Contractor elects to obtain other special insurance to be included in or supplement the builder's risk or property insurance policies provided under this Paragraph 6.04, it may do so at Contractor's expense.

6.05 *Property Losses; Subrogation*

A. The builder's risk insurance policy purchased and maintained in accordance with Paragraph 6.04 (or an installation floater policy if authorized by the Supplementary Conditions), will contain provisions to the effect that in the event of payment of any loss or damage the insurer will have no rights of recovery against any insureds thereunder, or against Engineer or its consultants, or their officers, directors, members, partners, employees, agents, consultants, or subcontractors.

1. Owner and Contractor waive all rights against each other and the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, for all losses and damages caused by, arising out of, or resulting from any of the perils, risks, or causes of loss covered by such policies and any other property insurance applicable to the Work; and, in addition, waive all such rights against Engineer, its consultants, all individuals or entities identified in the Supplementary Conditions as builder's risk or installation floater insureds, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, under such policies for losses and damages so caused.

2. None of the above waivers extends to the rights that any party making such waiver may have to the proceeds of insurance held by Owner or Contractor as trustee or fiduciary, or otherwise payable under any policy so issued.

B. Any property insurance policy maintained by Owner covering any loss, damage, or consequential loss to Owner's existing structures, buildings, or facilities in which any part of the Work will occur, or to which any part of the Work will attach or adjoin; to adjacent structures, buildings, or facilities of Owner; or to part or all of the completed or substantially completed Work, during partial occupancy or use pursuant to Paragraph 15.04, after Substantial Completion pursuant to Paragraph 15.03, or after final payment pursuant to Paragraph 15.06, will contain provisions to the effect that in the event of payment of any loss or damage the insurer will have no rights of recovery against any insureds thereunder, or against Contractor, Subcontractors, or Engineer, or the officers, directors, members, partners, employees, agents, consultants, or subcontractors of each and any of

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them, and that the insured is allowed to waive the insurer's rights of subrogation in a written contract executed prior to the loss, damage, or consequential loss.

1. Owner waives all rights against Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, for all losses and damages caused by, arising out of, or resulting from fire or any of the perils, risks, or causes of loss covered by such policies.

C. The waivers in this Paragraph 6.05 include the waiver of rights due to business interruption, loss of use, or other consequential loss extending beyond direct physical loss or damage to Owner's property or the Work caused by, arising out of, or resulting from fire or other insured peril, risk, or cause of loss.

D. Contractor shall be responsible for assuring that each Subcontract contains provisions whereby the Subcontractor waives all rights against Owner, Contractor, all individuals or entities identified in the Supplementary Conditions as insureds, the Engineer and its consultants, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, for all losses and damages caused by, arising out of, relating to, or resulting from fire or other peril, risk, or cause of loss covered by builder's risk insurance, installation floater, and any other property insurance applicable to the Work.

6.06 *Receipt and Application of Property Insurance Proceeds*

A. Any insured loss under the builder's risk and other policies of property insurance required by Paragraph 6.04 will be adjusted and settled with the named insured that purchased the policy. Such named insured shall act as fiduciary for the other insureds, and give notice to such other insureds that adjustment and settlement of a claim is in progress. Any other insured may state its position regarding a claim for insured loss in writing within 15 days after notice of such claim.

B. Proceeds for such insured losses may be made payable by the insurer either jointly to multiple insureds, or to the named insured that purchased the policy in its own right and as fiduciary for other insureds, subject to the requirements of any applicable mortgage clause. A named insured receiving insurance proceeds under the builder's risk and other policies of insurance required by Paragraph 6.04 shall maintain such proceeds in a segregated account, and distribute such proceeds in accordance with such agreement as the parties in interest may reach, or as otherwise required under the dispute resolution provisions of this Contract or applicable Laws and Regulations.

C. If no other special agreement is reached, Contractor shall repair or replace the damaged Work, using allocated insurance proceeds.

ARTICLE 7—CONTRACTOR'S RESPONSIBILITIES

7.01 *Contractor's Means and Methods of Construction*

A. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction. Owner reserves the right to reject any means, methods, techniques, sequences or procedures proposed by Contractor which:

1. will constitute or create a hazard to the Work or to the persons or damage to property or existing utilities; or

2. will not produce finished Work in accordance with the terms of the Contract Documents.

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Owner's failure to exercise his right to reject such means, methods, techniques, sequences or procedures shall not relieve the Contractor of his obligation to accomplish the result intended in the Contract Documents nor shall the exercise of such right create a cause of action for damages.

B. If the Contract Documents note, or Contractor determines, that professional engineering or other design services are needed to carry out Contractor's responsibilities for construction means, methods, techniques, sequences, and procedures, or for Site safety, then Contractor shall cause such services to be provided by a properly licensed design professional, at Contractor's expense. Such services are not Owner-delegated professional design services under this Contract, and neither Owner nor Engineer has any responsibility with respect to (1) Contractor's determination of the need for such services, (2) the qualifications or licensing of the design professionals retained or employed by Contractor, (3) the performance of such services, or (4) any errors, omissions, or defects in such services.

7.02 *Supervision and Superintendence*

A. Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents.

B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who will not be replaced without written notice to Owner and Engineer except under extraordinary circumstances.

7.03 *Labor; Working Hours*

A. Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. Contractor shall maintain good discipline and order at the Site.

B. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of Contractor's employees; of Suppliers and Subcontractors, and their employees; and of any other individuals or entities performing or furnishing any of the Work, just as Contractor is responsible for Contractor's own acts and omissions.

C. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site will be performed during regular working hours, Monday through Friday. Contractor will not perform Work on a Saturday, Sunday, or any legal holiday. Contractor may perform Work outside regular working hours or on Saturdays, Sundays, or legal holidays only with Owner's written consent, which will not be unreasonably withheld.

D. Engineer shall record time and costs required by Engineer and Engineer's Consultants to provide inspection services due to Contractor's working beyond regular working hours as defined in the General Requirements. Owner's reimbursement for the charges shall be a deduction from Contractor's Partial Payment(s) in accordance with Section 01 11 00 Part 2.02.

7.04 *Services, Materials, and Equipment*

A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start up, and completion of the Work, whether or not such items are specifically called for in the Contract Documents.

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B. All materials and equipment incorporated into the Work must be new and of good quality, except as otherwise provided in the Contract Documents. All special warranties and guarantees required by the Specifications will expressly run to the benefit of Owner. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment.

C. All materials and equipment must be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable Supplier, except as otherwise may be provided in the Contract Documents.

7.05 *"Or Equals"*

A. *Contractor's Request; Governing Criteria*: Whenever an item of equipment or material is specified or described in the Contract Documents by using the names of one or more proprietary items or specific Suppliers, the Contract Price has been based upon Contractor furnishing such item as specified. The specification or description of such an item is intended to establish the type, function, appearance, and quality required. Unless the specification or description contains or is followed by words reading that no like, equivalent, or "or equal" item is permitted, Contractor may request that Engineer authorize the use of other items of equipment or material, or items from other proposed Suppliers, under the circumstances described below.

1. If Engineer in its sole discretion determines that an item of equipment or material proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, Engineer will deem it an "or equal" item. For the purposes of this paragraph, a proposed item of equipment or material will be considered functionally equal to an item so named if:

a. in the exercise of reasonable judgment Engineer determines that the proposed item:

1) is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics;

2) will reliably perform at least equally well the function and achieve the results imposed by the design concept of the completed Project as a functioning whole;

3) has a proven record of performance and availability of responsive service; and

4) is not objectionable to Owner.

b. Contractor certifies that, if the proposed item is approved and incorporated into the Work:

1) there will be no increase in cost to the Owner or increase in Contract Times; and

2) the item will conform substantially to the detailed requirements of the item named in the Contract Documents.

B. *Contractor's Expense*: Contractor shall provide all data in support of any proposed "or equal" item at Contractor's expense.

C. *Engineer's Evaluation and Determination*: Engineer will be allowed a reasonable time to evaluate each "or-equal" request. Engineer may require Contractor to furnish additional data about the proposed "or-equal" item. Engineer will be the sole judge of acceptability. No "or-equal" item will be ordered, furnished, installed, or utilized until Engineer's review is complete and Engineer determines that the proposed item is an "or-equal," which will be evidenced by an approved Shop Drawing or other written communication. Engineer will advise Contractor in writing of any negative determination.

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D. *Effect of Engineer's Determination*: Neither approval nor denial of an "or-equal" request will result in any change in Contract Price. The Engineer's denial of an "or-equal" request will be final and binding, and may not be reversed through an appeal under any provision of the Contract.

E. *Treatment as a Substitution Request*: If Engineer determines that an item of equipment or material proposed by Contractor does not qualify as an "or-equal" item, Contractor may request that Engineer consider the item a proposed substitute pursuant to Paragraph 7.06.

7.06 *Substitutes*

A. *Contractor's Request; Governing Criteria*: Unless the specification or description of an item of equipment or material required to be furnished under the Contract Documents contains or is followed by words reading that no substitution is permitted, Contractor may request that Engineer authorize the use of other items of equipment or material under the circumstances described below. To the extent possible such requests must be made before commencement of related construction at the Site.

1. Contractor shall submit sufficient information as provided below to allow Engineer to determine if the item of material or equipment proposed is functionally equivalent to that named and an acceptable substitute therefor. Engineer will not accept requests for review of proposed substitute items of equipment or material from anyone other than Contractor.

2. The requirements for review by Engineer will be as set forth in Paragraph 7.06.B, as supplemented by the Specifications, and as Engineer may decide is appropriate under the circumstances.

3. Contractor shall make written application to Engineer for review of a proposed substitute item of equipment or material that Contractor seeks to furnish or use. The application:

a. will certify that the proposed substitute item will:

1) perform adequately the functions and achieve the results called for by the general design;

2) be similar in substance to the item specified; and

3) be suited to the same use as the item specified.

b. will state:

1) the extent, if any, to which the use of the proposed substitute item will necessitate a change in Contract Times;

2) whether use of the proposed substitute item in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for other work on the Project) to adapt the design to the proposed substitute item; and

3) whether incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty.

c. will identify:

1) all variations of the proposed substitute item from the item specified; and

2) available engineering, sales, maintenance, repair, and replacement services.

d. will contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including but not limited to changes in Contract Price, shared savings, costs of redesign, and claims of other contractors affected by any resulting change.

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B. *Engineer's Evaluation and Determination*: Engineer will be allowed a reasonable time to evaluate each substitute request, and to obtain comments and direction from Owner. Engineer may require Contractor to furnish additional data about the proposed substitute item. Engineer will be the sole judge of acceptability. No substitute will be ordered, furnished, installed, or utilized until Engineer's review is complete and Engineer determines that the proposed item is an acceptable substitute. Engineer's determination will be evidenced by a Field Order or a proposed Change Order accounting for the substitution itself and all related impacts, including changes in Contract Price or Contract Times. Engineer will advise Contractor in writing of any negative determination.

C. *Special Guarantee*: Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.

D. *Reimbursement of Engineer's Cost*: Engineer will record Engineer's costs in evaluating a substitute proposed or submitted by Contractor. Whether or not Engineer approves a substitute so proposed or submitted by Contractor, Contractor shall reimburse Owner for the reasonable charges of Engineer for evaluating each such proposed substitute. Contractor shall also reimburse Owner for the reasonable charges of Engineer for making changes in the Contract Documents (or in the provisions of any other direct contract with Owner) resulting from the acceptance of each proposed substitute.

E. *Contractor's Expense*: Contractor shall provide all data in support of any proposed substitute at Contractor's expense.

F. *Effect of Engineer's Determination*: If Engineer approves the substitution request, Contractor shall execute the proposed Change Order and proceed with the substitution. The Engineer's denial of a substitution request will be final and binding, and may not be reversed through an appeal under any provision of the Contract. Contractor may challenge the scope of reimbursement costs imposed under Paragraph 7.06.D, by timely submittal of a Change Proposal.

7.07 *Concerning Subcontractors and Suppliers*

A. Contractor may retain Subcontractors and Suppliers for the performance of parts of the Work. Such Subcontractors and Suppliers must be acceptable to Owner. The Contractor's retention of a Subcontractor or Supplier for the performance of parts of the Work will not relieve Contractor's obligation to Owner to perform and complete the Work in accordance with the Contract Documents.

B. Contractor shall retain specific Subcontractors and Suppliers for the performance of designated parts of the Work if required by the Contract to do so.

C. Subsequent to the submittal of Contractor's Bid or final negotiation of the terms of the Contract, Owner may not require Contractor to retain any Subcontractor or Supplier to furnish or perform any of the Work against which Contractor has reasonable objection.

D. Prior to entry into any binding subcontract or purchase order, Contractor shall submit to Owner the identity of the proposed Subcontractor or Supplier (unless Owner has already deemed such proposed Subcontractor or Supplier acceptable during the bidding process or otherwise). Such proposed Subcontractor or Supplier shall be deemed acceptable to Owner unless Owner raises a substantive, reasonable objection within 5 days.

E. Owner may require the replacement of any Subcontractor or Supplier. Owner also may require Contractor to retain specific replacements; provided, however, that Owner may not require a replacement to which Contractor has a reasonable objection. If Contractor has submitted the identity of certain Subcontractors or Suppliers for acceptance by Owner, and Owner has accepted it

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(either in writing or by failing to make written objection thereto), then Owner may subsequently revoke the acceptance of any such Subcontractor or Supplier so identified solely on the basis of substantive, reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor or Supplier.

F. If Owner requires the replacement of any Subcontractor or Supplier retained by Contractor to perform any part of the Work, then Contractor shall be entitled to an adjustment in Contract Price or Contract Times, with respect to the replacement; and Contractor shall initiate a Change Proposal for such adjustment within 30 days of Owner's requirement of replacement.

G. No acceptance by Owner of any such Subcontractor or Supplier, whether initially or as a replacement, will constitute a waiver of the right of Owner to the completion of the Work in accordance with the Contract Documents.

H. On a monthly basis, Contractor shall submit to Engineer a complete list of all Subcontractors and Suppliers having a direct contract with Contractor, and of all other Subcontractors and Suppliers known to Contractor at the time of submittal.

I. Contractor shall be solely responsible for scheduling and coordinating the work of Subcontractors and Suppliers.

J. The divisions and sections of the Specifications and the identifications of any Drawings do not control Contractor in dividing the Work among Subcontractors or Suppliers, or in delineating the Work to be performed by any specific trade.

K. All Work performed for Contractor by a Subcontractor or Supplier must be pursuant to an appropriate contractual agreement that specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract for the benefit of Owner and Engineer.

L. Owner may furnish to any Subcontractor or Supplier, to the extent practicable, information about amounts paid to Contractor for Work performed for Contractor by the Subcontractor or Supplier.

M. Contractor shall restrict all Subcontractors and Suppliers from communicating with Engineer or Owner, except through Contractor or in case of an emergency, or as otherwise expressly allowed in this Contract.

N. Contractor shall not subcontract part(s) of the Work, the aggregate cost of which is greater than fifty (50) percent of the contract price, without prior written approval by Owner. Contractor shall cause appropriate provisions to be inserted in all subcontracts relative to the Work that bind Subcontractors to Contractor by the terms of the Contract Documents insofar as applicable to the work of Subcontractors and to give Contractor the same power as regards terminating any subcontract that Owner may exercise over Contractor under any provision of the Contract Documents. Nothing contained in the subcontract shall create any contractual relationship between Subcontractor and Owner. Each Subcontractor shall discharge all duties and responsibilities of Contractor to Owner covered by his subcontract.

7.08 *Patent Fees and Royalties*

A. Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others. If an invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if, to the actual knowledge of Owner or Engineer, its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights will be disclosed in the Contract Documents.

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B. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, and its officers, directors, members, partners, employees, agents, consultants, and subcontractors, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device specified in the Contract Documents, but not identified as being subject to payment of any license fee or royalty to others required by patent rights or copyrights.

C. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents.

7.09 *Permits*

A. Unless otherwise provided in the Contract Documents, Contractor shall obtain and pay for all construction permits, licenses, and certificates of occupancy. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the Work which are applicable at the time of the submission of Contractor's Bid (or when Contractor became bound under a negotiated contract). Owner shall pay all charges of utility owners for connections for providing permanent service to the Work. Easements for permanent structures or permanent changes in existing facilities shall be secured and paid for by Owner, unless otherwise specified.

7.10 *Taxes*

A. Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by Contractor in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

7.11 *Laws and Regulations*

A. Contractor shall give all notices required by and shall comply with all Laws and Regulations applicable to the performance of the Work. Neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations. Contractor shall also cause all Subcontractors to comply with all federal, state, county, and municipal laws, ordinances, rules, and regulations bearing on the conduct of Work.

B. If Contractor performs any Work or takes any other action knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear all resulting costs and losses, and shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work or other action. It is not Contractor's responsibility to make certain that the Work described in the Contract Documents is in accordance with Laws and Regulations, but this does not relieve Contractor of its obligations under Paragraph 3.03. If

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Contractor observes that the Contract Documents are at variance with said laws, ordinances, rates, or regulations, Contractor shall promptly notify Engineer of Record and the County in writing, and any necessary changes shall be adjusted as provided in the Contract Documents. Contractor shall not proceed with the Work until so instructed by Owner.

C. Owner or Contractor may give written notice to the other party of any changes after the submission of Contractor's Bid (or after the date when Contractor became bound under a negotiated contract) in Laws or Regulations having an effect on the cost or time of performance of the Work, including but not limited to changes in Laws or Regulations having an effect on procuring permits and on sales, use, value-added, consumption, and other similar taxes. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times resulting from such changes, then within 30 days of such written notice Contractor may submit a Change Proposal, or Owner may initiate a Claim.

7.12 *Record Documents*

A. Contractor shall maintain in a safe place at the Site one printed record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, written interpretations and clarifications, and approved Shop Drawings. Contractor shall keep such record documents in good order and annotate them to show changes made during construction. These record documents, together with all approved Samples, will be available to Engineer for reference. Upon completion of the Work, Contractor shall deliver these record documents to Engineer. Annotations of record documents shall be legible, precise, and complete as determined by Engineer of Record and the County.

7.13 *Safety and Protection*

A. Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. Such responsibility does not relieve Subcontractors of their responsibility for the safety of persons or property in the performance of their work, nor for compliance with applicable safety Laws and Regulations.

B. Contractor shall designate a qualified and experienced safety representative whose duties and responsibilities are the prevention of Work-related accidents and the maintenance and supervision of safety precautions and programs.

C. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:

1. all persons on the Site or who may be affected by the Work;

2. all the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and

3. other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, other work in progress, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.

D. All damage, injury, or loss to any property referred to in Paragraph 7.13.C.2 or 7.13.C.3 caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, Supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, shall be remedied by Contractor at its expense (except damage or loss attributable to the fault of Drawings or Specifications or to the acts or omissions of Owner or Engineer or anyone employed by any of them, or anyone for whose acts any of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or

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negligence of Contractor or any Subcontractor, Supplier, or other individual or entity directly or indirectly employed by any of them).

E. Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection.

F. Contractor shall notify Owner; the owners of adjacent property; the owners of Underground Facilities and other utilities (if the identity of such owners is known to Contractor); and other contractors and utility owners performing work at or adjacent to the Site, in writing, when Contractor knows that prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property or work in progress.

G. Contractor shall comply with the applicable requirements of Owner's safety programs, if any. Any Owner's safety programs that are applicable to the Work are identified or included in the Supplementary Conditions or Specifications.

H. Contractor shall inform Owner and Engineer of the specific requirements of Contractor's safety program with which Owner's and Engineer's employees and representatives must comply while at the Site.

I. Contractor's duties and responsibilities for safety and protection will continue until all the Work is completed, Engineer has issued a written notice to Owner and Contractor in accordance with Paragraph 15.06.C that the Work is acceptable, and Contractor has left the Site (except as otherwise expressly provided in connection with Substantial Completion).

J. Contractor's duties and responsibilities for safety and protection will resume whenever Contractor or any Subcontractor or Supplier returns to the Site to fulfill warranty or correction obligations, or to conduct other tasks arising from the Contract Documents.

K. Contractor shall be responsible at all times for precautions to achieve the protection of all persons, including employees and property. Contractor shall make special effort to detect hazardous conditions and shall take prompt action where necessary to avoid accident, injury, or property damage. OSHA and all other applicable safety laws and ordinances shall be followed as well as American National Standards Institute Safety Standards. All accidents, injuries, claims, or potential claims shall be reported promptly to Owner.

7.14 *Hazard Communication Programs*

A. Contractor shall be responsible for coordinating any exchange of safety data sheets (formerly known as material safety data sheets) or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

7.15 *Emergencies*

A. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to act to prevent damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused by an emergency, or are required as a result of Contractor's response to an emergency. If Engineer determines that a change in the Contract Documents is required because of an emergency or Contractor's response, a Work Change Directive or Change Order will be issued.

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7.16 *Submittals*

A. *Shop Drawing and Sample Requirements*

1. Before submitting a Shop Drawing or Sample, Contractor shall:

a. review and coordinate the Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents;

b. determine and verify:

1) all field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information with respect to the Submittal;

2) the suitability of all materials and equipment offered with respect to the indicated application, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work; and

3) all information relative to Contractor's responsibilities for means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto;

c. confirm that the Submittal is complete with respect to all related data included in the Submittal.

2. Each Shop Drawing or Sample must bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents with respect to Contractor's review of that Submittal, and that Contractor approves the Submittal.

3. With each Shop Drawing or Sample, Contractor shall give Engineer specific written notice of any variations that the Submittal may have from the requirements of the Contract Documents. This notice must be set forth in a written communication separate from the Submittal; and, in addition, in the case of a Shop Drawing by a specific notation made on the Shop Drawing itself.

B. *Submittal Procedures for Shop Drawings and Samples*: Contractor shall label and submit Shop Drawings and Samples to Engineer for review and approval in accordance with the accepted Schedule of Submittals.

1. *Shop Drawings*

a. Contractor shall submit the number of copies required in the Specifications.

b. Data shown on the Shop Drawings must be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to show Engineer the services, materials, and equipment Contractor proposes to provide, and to enable Engineer to review the information for the limited purposes required by Paragraph 7.16.C.

2. *Samples*

a. Contractor shall submit the number of Samples required in the Specifications.

b. Contractor shall clearly identify each Sample as to material, Supplier, pertinent data such as catalog numbers, the use for which intended and other data as Engineer may require to enable Engineer to review the Submittal for the limited purposes required by Paragraph 7.16.C.

3. Where a Shop Drawing or Sample is required by the Contract Documents or the Schedule of Submittals, any related Work performed prior to Engineer's review and approval of the pertinent submittal will be at the sole expense and responsibility of Contractor.

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C. *Engineer's Review of Shop Drawings and Samples*

1. Engineer will provide timely review of Shop Drawings and Samples in accordance with the accepted Schedule of Submittals. Engineer's review and approval will be only to determine if the items covered by the Submittals will, after installation or incorporation in the Work, comply with the requirements of the Contract Documents, and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.
2. Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction, or to safety precautions or programs incident thereto.
3. Engineer's review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.
4. Engineer's review and approval of a Shop Drawing or Sample will not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents unless Contractor has complied with the requirements of Paragraph 7.16.A.3 and Engineer has given written approval of each such variation by specific written notation thereof incorporated in or accompanying the Shop Drawing or Sample. Engineer will document any such approved variation from the requirements of the Contract Documents in a Field Order or other appropriate Contract modification.
5. Engineer's review and approval of a Shop Drawing or Sample will not relieve Contractor from responsibility for complying with the requirements of Paragraphs 7.16.A and B.
6. Engineer's review and approval of a Shop Drawing or Sample, or of a variation from the requirements of the Contract Documents, will not, under any circumstances, change the Contract Times or Contract Price, unless such changes are included in a Change Order.
7. Neither Engineer's receipt, review, acceptance, or approval of a Shop Drawing or Sample will result in such item becoming a Contract Document.
8. Contractor shall perform the Work in compliance with the requirements and commitments set forth in approved Shop Drawings and Samples, subject to the provisions of Paragraph 7.16.C.4.

D. *Resubmittal Procedures for Shop Drawings and Samples*

1. Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of Shop Drawings and submit, as required, new Samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous Submittals.
2. Contractor shall furnish required Shop Drawing and Sample submittals with sufficient information and accuracy to obtain required approval of an item with no more than two resubmittals. Engineer will record Engineer's time for reviewing a third or subsequent resubmittal of a Shop Drawing or Sample, and Contractor shall be responsible for Engineer's charges to Owner for such time. Owner may impose a set-off against payments due Contractor to secure reimbursement for such charges.
3. If Contractor requests a change of a previously approved Shop Drawing or Sample, Contractor shall be responsible for Engineer's charges to Owner for its review time, and Owner may impose a set-off against payments due Contractor to secure reimbursement for such charges, unless the need for such change is beyond the control of Contractor.

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E. *Submittals Other than Shop Drawings, Samples, and Owner-Delegated Designs*

1. The following provisions apply to all Submittals other than Shop Drawings, Samples, and Owner-delegated designs:

a. Contractor shall submit all such Submittals to the Engineer in accordance with the Schedule of Submittals and pursuant to the applicable terms of the Contract Documents.

b. Engineer will provide timely review of all such Submittals in accordance with the Schedule of Submittals and return such Submittals with a notation of either Accepted or Not Accepted. Any such Submittal that is not returned within the time established in the Schedule of Submittals will be deemed accepted.

c. Engineer's review will be only to determine if the Submittal is acceptable under the requirements of the Contract Documents as to general form and content of the Submittal.

d. If any such Submittal is not accepted, Contractor shall confer with Engineer regarding the reason for the non-acceptance, and resubmit an acceptable document.

2. Procedures for the submittal and acceptance of the Progress Schedule, the Schedule of Submittals, and the Schedule of Values are set forth in Paragraphs 2.03. 2.04, and 2.05.

F. Owner-delegated Designs: Submittals pursuant to Owner-delegated designs are governed by the provisions of Paragraph 7.19.

7.17 *Contractor's General Warranty and Guarantee*

A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer is entitled to rely on Contractor's warranty and guarantee.

B. Owner's rights under this warranty and guarantee are in addition to, and are not limited by, Owner's rights under the correction period provisions of Paragraph 15.08. The time in which Owner may enforce its warranty and guarantee rights under this Paragraph 7.17 is limited only by applicable Laws and Regulations restricting actions to enforce such rights; provided, however, that after the end of the correction period under Paragraph 15.08:

1. Owner shall give Contractor written notice of any defective Work within 60 days of the discovery that such Work is defective; and

2. Such notice will be deemed the start of an event giving rise to a Claim under Paragraph 12.01.B, such that any related Claim must be brought within 30 days of the notice.

C. Contractor's warranty and guarantee hereunder excludes defects or damage caused by:

1. abuse, or improper modification, maintenance, or operation, by persons other than Contractor, Subcontractors, Suppliers, or any other individual or entity for whom Contractor is responsible; or

2. normal wear and tear under normal usage.

D. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents is absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents, a release of Contractor's obligation to perform the Work in accordance with the Contract Documents, or a release of Owner's warranty and guarantee rights under this Paragraph 7.17:

1. Observations by Engineer;

2. Recommendation by Engineer or payment by Owner of any progress or final payment;

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3. The issuance of a certificate of Substantial Completion by Engineer or any payment related thereto by Owner;
4. Use or occupancy of the Work or any part thereof by Owner;
5. Any review and approval of a Shop Drawing or Sample submittal;
6. The issuance of a notice of acceptability by Engineer;
7. The end of the correction period established in Paragraph 15.08;
8. Any inspection, test, or approval by others; or
9. Any correction of defective Work by Owner.

E. If the Contract requires the Contractor to accept the assignment of a contract entered into by Owner, then the specific warranties, guarantees, and correction obligations contained in the assigned contract will govern with respect to Contractor's performance obligations to Owner for the Work described in the assigned contract.

7.18 *Indemnification*

A. To the fullest extent permitted by Laws and Regulations, and in addition to any other obligations of Contractor under the Contract or otherwise, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from losses, damages, costs, and judgments (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising from third-party claims or actions relating to or resulting from the performance or furnishing of the Work, provided that any such claim, action, loss, cost, judgment or damage is attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom, but only to the extent caused by any negligent act or omission of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable. Five (5) percent of the Contract Price is given as consideration for this indemnification.

B. In any and all claims against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, by any employee (or the survivor or personal representative of such employee) of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 7.18.A will not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.

C. The indemnification obligations of Contractor under Paragraph 7.18 shall not extend to the liability of Engineer and Engineer's officers, directors, members, partners, employees, agents, consultants and subcontractors arising out of:

1. the preparation or approval of, or the failure to prepare or approve maps, Drawings, opinions, reports, surveys, Change Orders, designs, or Specifications; or
2. giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage.

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D. Neither Contractor nor Owner shall sell, transfer, assign, or otherwise dispose of the contract or any portion thereof, or any right, title, or interest therein, or any obligations thereunder, without written consent of the other party.

7.19 *Delegation of Professional Design Services*

A. Owner may require Contractor to provide professional design services for a portion of the Work by express delegation in the Contract Documents. Such delegation will specify the performance and design criteria that such services must satisfy, and the Submittals that Contractor must furnish to Engineer with respect to the Owner-delegated design.

B. Contractor shall cause such Owner-delegated professional design services to be provided pursuant to the professional standard of care by a properly licensed design professional, whose signature and seal must appear on all drawings, calculations, specifications, certifications, and Submittals prepared by such design professional. Such design professional must issue all certifications of design required by Laws and Regulations.

C. If a Shop Drawing or other Submittal related to the Owner-delegated design is prepared by Contractor, a Subcontractor, or others for submittal to Engineer, then such Shop Drawing or other Submittal must bear the written approval of Contractor's design professional when submitted by Contractor to Engineer.

D. Owner and Engineer shall be entitled to rely upon the adequacy, accuracy, and completeness of the services, certifications, and approvals performed or provided by the design professionals retained or employed by Contractor under an Owner-delegated design, subject to the professional standard of care and the performance and design criteria stated in the Contract Documents.

E. Pursuant to this Paragraph 7.19, Engineer's review, approval, and other determinations regarding design drawings, calculations, specifications, certifications, and other Submittals furnished by Contractor pursuant to an Owner-delegated design will be only for the following limited purposes:

1. Checking for conformance with the requirements of this Paragraph 7.19;
2. Confirming that Contractor (through its design professionals) has used the performance and design criteria specified in the Contract Documents; and
3. Establishing that the design furnished by Contractor is consistent with the design concept expressed in the Contract Documents.

F. Contractor shall not be responsible for the adequacy of performance or design criteria specified by Owner or Engineer.

G. Contractor is not required to provide professional services in violation of applicable Laws and Regulations.

ARTICLE 8—OTHER WORK AT THE SITE

8.01 *Other Work*

A. In addition to and apart from the Work under the Contract Documents, the Owner may perform other work at or adjacent to the Site. Such other work may be performed by Owner's employees, or through contracts between the Owner and third parties. Owner may also arrange to have third- party utility owners perform work on their utilities and facilities at or adjacent to the Site.

B. If Owner performs other work at or adjacent to the Site with Owner's employees, or through contracts for such other work, then Owner shall give Contractor written notice thereof prior to

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starting any such other work. If Owner has advance information regarding the start of any third- party utility work that Owner has arranged to take place at or adjacent to the Site, Owner shall provide such information to Contractor.

C. Contractor shall afford proper and safe access to the Site to each contractor that performs such other work, each utility owner performing other work, and Owner, if Owner is performing other work with Owner's employees, and provide a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work.

D. Contractor shall do all cutting, fitting, and patching of the Work that may be required to properly connect or otherwise make its several parts come together and properly integrate with such other work. Contractor shall not endanger any work of others by cutting, excavating, or otherwise altering such work; provided, however, that Contractor may cut or alter others' work with the written consent of Engineer and the others whose work will be affected.

E. If the proper execution or results of any part of Contractor's Work depends upon work performed by others, Contractor shall inspect such other work and promptly report to Engineer in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for the proper execution and results of Contractor's Work. Contractor's failure to so report will constitute an acceptance of such other work as fit and proper for integration with Contractor's Work except for latent defects and deficiencies in such other work.

F. The provisions of this article are not applicable to work that is performed by third-party utilities or other third-party entities without a contract with Owner, or that is performed without having been arranged by Owner. If such work occurs, then any related delay, disruption, or interference incurred by Contractor is governed by the provisions of Paragraph 4.05.C.3.

8.02 *Coordination*

A. If Owner intends to contract with others for the performance of other work at or adjacent to the Site, to perform other work at or adjacent to the Site with Owner's employees, or to arrange to have utility owners perform work at or adjacent to the Site, the following will be set forth in the Supplementary Conditions or provided to Contractor prior to the start of any such other work:

1. The identity of the individual or entity that will have authority and responsibility for coordination of the activities among the various contractors;

2. An itemization of the specific matters to be covered by such authority and responsibility; and

3. The extent of such authority and responsibilities.

B. Unless otherwise provided in the Supplementary Conditions, Owner shall have sole authority and responsibility for such coordination.

8.03 *Legal Relationships*

A. If, in the course of performing other work for Owner at or adjacent to the Site, the Owner's employees, any other contractor working for Owner, or any utility owner that Owner has arranged to perform work, causes damage to the Work or to the property of Contractor or its Subcontractors, or delays, disrupts, interferes with, or increases the scope or cost of the performance of the Work, through actions or inaction, then Contractor shall be entitled to an equitable adjustment in the Contract Price or the Contract Times. Contractor must submit any Change Proposal seeking an equitable adjustment in the Contract Price or the Contract Times under this paragraph within 30 days of the damaging, delaying, disrupting, or interfering event. The entitlement to, and extent of, any such equitable adjustment will take into account information (if any) regarding such other work that

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was provided to Contractor in the Contract Documents prior to

the submittal of the Bid or the final negotiation of the terms of the Contract, and any remedies available to Contractor under Laws or Regulations concerning utility action or inaction. When applicable, any such equitable adjustment in Contract Price will be conditioned on Contractor assigning to Owner all Contractor's rights against such other contractor or utility owner with respect to the damage, delay, disruption, or interference that is the subject of the adjustment. Contractor's entitlement to an adjustment of the Contract Times or Contract Price is subject to the provisions of Paragraphs 4.05.D and 4.05.E.

B. Contractor shall take reasonable and customary measures to avoid damaging, delaying, disrupting, or interfering with the work of Owner, any other contractor, or any utility owner performing other work at or adjacent to the Site.

1. If Contractor fails to take such measures and as a result damages, delays, disrupts, or interferes with the work of any such other contractor or utility owner, then Owner may impose a set-off against payments due Contractor, and assign to such other contractor or utility owner the Owner's contractual rights against Contractor with respect to the breach of the obligations set forth in this Paragraph 8.03.B.

2. When Owner is performing other work at or adjacent to the Site with Owner's employees, Contractor shall be liable to Owner for damage to such other work, and for the reasonable direct delay, disruption, and interference costs incurred by Owner as a result of Contractor's failure to take reasonable and customary measures with respect to Owner's other work. In response to such damage, delay, disruption, or interference, Owner may impose a set-off against payments due Contractor.

C. If Contractor damages, delays, disrupts, or interferes with the work of any other contractor, or any utility owner performing other work at or adjacent to the Site, through Contractor's failure to take reasonable and customary measures to avoid such impacts, or if any claim arising out of Contractor's actions, inactions, or negligence in performance of the Work at or adjacent to the Site is made by any such other contractor or utility owner against Contractor, Owner, or Engineer, then Contractor shall (1) promptly attempt to settle the claim as to all parties through negotiations with such other contractor or utility owner, or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law, and (2) indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them from and against any such claims, and against all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such damage, delay, disruption, or interference.

ARTICLE 9—OWNER'S RESPONSIBILITIES

9.01 *Communications to Contractor*

A. Except as otherwise provided in these General Conditions, Owner shall issue all communications to Contractor through Engineer.

9.02 *Replacement of Engineer*

A. Owner may at its discretion appoint an engineer to replace Engineer~~, provided Contractor makes no reasonable objection to the replacement engineer~~. The replacement engineer's status under the Contract Documents will be that of the former Engineer.

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9.03 *Furnish Data*

A. Owner shall promptly furnish the data required of Owner under the Contract Documents.

9.04 *Pay When Due*

A. Owner shall make payments to Contractor when they are due as provided in the Agreement.

9.05 *Lands and Easements; Reports, Tests, and Drawings*

A. Owner's duties with respect to providing lands and easements are set forth in Paragraph 5.01.

B. Owner's duties with respect to providing engineering surveys to establish reference points are set forth in Paragraph 4.03.

C. Article 5 refers to Owner's identifying and making available to Contractor copies of reports of explorations and tests of conditions at the Site, and drawings of physical conditions relating to existing surface or subsurface structures at the Site.

9.06 *Insurance*

A. Owner's responsibilities, if any, with respect to purchasing and maintaining liability and property insurance are set forth in Article 6.

9.07 *Change Orders*

A. Owner's responsibilities with respect to Change Orders are set forth in Article 11.

9.08 *Inspections, Tests, and Approvals*

A. Owner's responsibility with respect to certain inspections, tests, and approvals is set forth in Paragraph 14.02.B.

9.09 *Limitations on Owner's Responsibilities*

A. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

9.10 *Undisclosed Hazardous Environmental Condition*

A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in Paragraph 5.06.

9.11 *Evidence of Financial Arrangements*

A. Upon request of Contractor, Owner shall furnish Contractor reasonable evidence that financial arrangements have been made to satisfy Owner's obligations under the Contract (including obligations under proposed changes in the Work).

9.12 *Safety Programs*

A. While at the Site, Owner's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which Owner has been informed.

B. Owner shall furnish copies of any applicable Owner safety programs to Contractor.

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ARTICLE 10—ENGINEER'S STATUS DURING CONSTRUCTION

10.01 *Owner's Representative*

A. Engineer will be Owner's representative during the construction period. The duties and responsibilities and the limitations of authority of Engineer as Owner's representative during construction are set forth in the Contract.

10.02 *Visits to Site*

A. Engineer will make visits to the Site at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe, as an experienced and qualified design professional, the progress that has been made and the quality of the various aspects of Contractor's executed Work. Based on information obtained during such visits and observations, Engineer, for the benefit of Owner, will determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Engineer's efforts will be directed toward providing for Owner a greater degree of confidence that the completed Work will conform generally to the Contract Documents. On the basis of such visits and observations, Engineer will keep Owner informed of the progress of the Work and will endeavor to guard Owner against defective Work.

B. Engineer's visits and observations are subject to all the limitations on Engineer's authority and responsibility set forth in Paragraph 10.07. Particularly, but without limitation, during or as a result of Engineer's visits or observations of Contractor's Work, Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work.

10.03 *Resident Project Representative*

A. If Owner and Engineer have agreed that Engineer will furnish a Resident Project Representative to represent Engineer at the Site and assist Engineer in observing the progress and quality of the Work, then the authority and responsibilities of any such Resident Project Representative will be as provided in the Supplementary Conditions, and limitations on the responsibilities thereof will be as provided in the Supplementary Conditions and in Paragraph 10.07.

B. If Owner designates an individual or entity who is not Engineer's consultant, agent, or employee to represent Owner at the Site, then the responsibilities and authority of such individual or entity will be as provided in the Supplementary Conditions.

10.04 *Engineer's Authority*

A. Engineer has the authority to reject Work in accordance with Article 14.

B. Engineer's authority as to Submittals is set forth in Paragraph 7.16.

C. Engineer's authority as to design drawings, calculations, specifications, certifications and other Submittals from Contractor in response to Owner's delegation (if any) to Contractor of professional design services, is set forth in Paragraph 7.19.

D. Engineer's authority as to changes in the Work is set forth in Article 11.

E. Engineer's authority as to Applications for Payment is set forth in Article 15.

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10.05 *Determinations for Unit Price Work*

A. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor as set forth in Paragraph 13.03.

10.06 *Decisions on Requirements of Contract Documents and Acceptability of Work*

A. Engineer will render decisions regarding the requirements of the Contract Documents, and judge the acceptability of the Work, pursuant to the specific procedures set forth herein for initial interpretations, Change Proposals, and acceptance of the Work. In rendering such decisions and judgments, Engineer will not show partiality to Owner or Contractor, and will not be liable to Owner, Contractor, or others in connection with any proceedings, interpretations, decisions, or judgments conducted or rendered in good faith.

10.07 *Limitations on Engineer's Authority and Responsibilities*

A. Neither Engineer's authority or responsibility under this Article 10 or under any other provision of the Contract, nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer, will create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any Subcontractor, any Supplier, any other individual or entity, or to any surety for or employee or agent of any of them.

B. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

C. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other individual or entity performing any of the Work.

D. Engineer's review of the final Application for Payment and accompanying documentation, and all maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, tests and approvals, and other documentation required to be delivered by Contractor under Paragraph 15.06.A, will only be to determine generally that their content complies with the requirements of, and in the case of certificates of inspections, tests, and approvals, that the results certified indicate compliance with the Contract Documents.

E. The limitations upon authority and responsibility set forth in this Paragraph 10.07 also apply to the Resident Project Representative, if any.

10.08 *Compliance with Safety Program*

A. While at the Site, Engineer's employees and representatives will comply with the specific applicable requirements of Owner's and Contractor's safety programs of which Engineer has been informed.

ARTICLE 11—CHANGES TO THE CONTRACT

11.01 *Amending and Supplementing the Contract*

A. The Contract may be amended or supplemented by a Change Order, a Work Change Directive, or a Field Order.

B. If an amendment or supplement to the Contract includes a change in the Contract Price or the Contract Times, such amendment or supplement must be set forth in a Change Order.

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C. All changes to the Contract that involve (1) the performance or acceptability of the Work, (2) the design (as set forth in the Drawings, Specifications, or otherwise), or (3) other engineering or technical matters, must be supported by Engineer's recommendation. Owner and Contractor may amend other terms and conditions of the Contract without the recommendation of the Engineer.

11.02 *Change Orders*

A. Owner and Contractor shall execute appropriate Change Orders covering:

1. Changes in Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive;

2. Changes in Contract Price resulting from an Owner set-off, unless Contractor has duly contested such set-off;

3. Changes in the Work which are: (a) ordered by Owner pursuant to Paragraph 11.05, (b) required because of Owner's acceptance of defective Work under Paragraph 14.04 or Owner's correction of defective Work under Paragraph 14.07, or (c) agreed to by the parties, subject to the need for Engineer's recommendation if the change in the Work involves the design (as set forth in the Drawings, Specifications, or otherwise) or other engineering or technical matters; and

4. Changes that embody the substance of any final and binding results under: Paragraph 11.03.B, resolving the impact of a Work Change Directive; Paragraph 11.09, concerning Change Proposals; Article 12, Claims; Paragraph 13.02.D, final adjustments resulting from allowances; Paragraph 13.03.D, final adjustments relating to determination of quantities for Unit Price Work; and similar provisions.

B. If Owner or Contractor refuses to execute a Change Order that is required to be executed under the terms of Paragraph 11.02.A, it will be deemed to be of full force and effect, as if fully executed.

11.03 *Work Change Directives*

A. A Work Change Directive will not change the Contract Price or the Contract Times but is evidence that the parties expect that the modification ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order, following negotiations by the parties as to the Work Change Directive's effect, if any, on the Contract Price and Contract Times; or, if negotiations are unsuccessful, by a determination under the terms of the Contract Documents governing adjustments, expressly including Paragraph 11.07 regarding change of Contract Price.

B. If Owner has issued a Work Change Directive and:

1. Contractor believes that an adjustment in Contract Times or Contract Price is necessary, then Contractor shall submit any Change Proposal seeking such an adjustment no later than 30 days after the completion of the Work set out in the Work Change Directive.

2. Owner believes that an adjustment in Contract Times or Contract Price is necessary, then Owner shall submit any Claim seeking such an adjustment no later than 60 days after issuance of the Work Change Directive.

11.04 *Field Orders*

A. Engineer may authorize minor changes in the Work if the changes do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Such changes will be accomplished by a Field Order and will be binding on Owner and also on Contractor, which shall perform the Work involved promptly.

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B. If Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, then before proceeding with the Work at issue, Contractor shall submit a Change Proposal as provided herein.

11.05 *Owner-Authorized Changes in the Work*

A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work. Changes involving the design (as set forth in the Drawings, Specifications, or otherwise) or other engineering or technical matters will be supported by Engineer's recommendation.

B. Such changes in the Work may be accomplished by a Change Order, if Owner and Contractor have agreed as to the effect, if any, of the changes on Contract Times or Contract Price; or by a Work Change Directive. Upon receipt of any such document, Contractor shall promptly proceed with the Work involved; or, in the case of a deletion in the Work, promptly cease construction activities with respect to such deleted Work. Added or revised Work must be performed under the applicable conditions of the Contract Documents.

C. Nothing in this Paragraph 11.05 obligates Contractor to undertake work that Contractor reasonably concludes cannot be performed in a manner consistent with Contractor's safety obligations under the Contract Documents or Laws and Regulations.

11.06 *Unauthorized Changes in the Work*

A. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents, as amended, modified, or supplemented, except in the case of an emergency as provided in Paragraph 7.15 or in the case of uncovering Work as provided in Paragraph 14.05.C.2.

11.07 *Change of Contract Price*

A. The Contract Price may only be changed by a Change Order. Any Change Proposal for an adjustment in the Contract Price must comply with the provisions of Paragraph 11.09. Any Claim for an adjustment of Contract Price must comply with the provisions of Article 12.

B. An adjustment in the Contract Price will be determined as follows:

1. Where the Work involved is covered by unit prices contained in the Contract Documents, then by application of such unit prices to the quantities of the items involved (subject to the provisions of Paragraph 13.03);

2. Where the Work involved is not covered by unit prices contained in the Contract Documents, then by a mutually agreed lump sum (which may include an allowance for overhead and profit not necessarily in accordance with Paragraph 11.07.C.2); or

3. Where the Work involved is not covered by unit prices contained in the Contract Documents and the parties do not reach mutual agreement to a lump sum, then on the basis of the Cost of the Work (determined as provided in Paragraph 13.01) plus a Contractor's fee for overhead and profit (determined as provided in Paragraph 11.07.C).

C. *Contractor's Fee*: When applicable, the Contractor's fee for overhead and profit will be determined as follows:

1. A mutually acceptable fixed fee; or

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2. If a fixed fee is not agreed upon, then a fee based on the following percentages of the various portions of the Cost of the Work:

a. For costs incurred under Paragraphs 13.01.B.1 and 13.01.B.2, the Contractor's fee will be 15 percent;

b. For costs incurred under Paragraph 13.01.B.3, the Contractor's fee will be 5 percent;

c. Where one or more tiers of subcontracts are on the basis of Cost of the Work plus a fee and no fixed fee is agreed upon, the intent of Paragraphs 11.07.C.2.a and 11.07.C.2.b is that the Contractor's fee will be based on: (1) a fee of 15 percent of the costs incurred under Paragraphs 13.01.B.1 and 13.01.B.2 by the Subcontractor that actually performs the Work, at whatever tier, and (2) with respect to Contractor itself and to any Subcontractors of a tier higher than that of the Subcontractor that actually performs the Work, a fee of 5 percent of the amount (fee plus underlying costs incurred) attributable to the next lower tier Subcontractor; provided, however, that for any such subcontracted Work the maximum total fee to be paid by Owner will be no greater than 27 percent of the costs incurred by the Subcontractor that actually performs the Work;

d. No fee will be payable on the basis of costs itemized under Paragraphs 13.01.B.4, 13.01.B.5, and 13.01.C;

e. The amount of credit to be allowed by Contractor to Owner for any change which results in a net decrease in Cost of the Work will be the amount of the actual net decrease in Cost of the Work and a deduction of an additional amount equal to 5 percent of such actual net decrease in Cost of the Work; and

f. When both additions and credits are involved in any one change or Change Proposal, the adjustment in Contractor's fee will be computed by determining the sum of the costs in each of the cost categories in Paragraph 13.01.B (specifically, payroll costs, Paragraph 13.01.B.1; incorporated materials and equipment costs, Paragraph 13.01.B.2; Subcontract costs, Paragraph 13.01.B.3; special consultants costs, Paragraph 13.01.B.4; and other costs, Paragraph 13.01.B.5) and applying to each such cost category sum the appropriate fee from Paragraphs 11.07.C.2.a through 11.07.C.2.e, inclusive.

11.08 *Change of Contract Times*

A. The Contract Times may only be changed by a Change Order. Any Change Proposal for an adjustment in the Contract Times must comply with the provisions of Paragraph 11.09. Any Claim for an adjustment in the Contract Times must comply with the provisions of Article 12.

B. Delay, disruption, and interference in the Work, and any related changes in Contract Times, are addressed in and governed by Paragraph 4.05.

11.09 *Change Proposals*

A. *Purpose and Content*: Contractor shall submit a Change Proposal to Engineer to request an adjustment in the Contract Times or Contract Price; contest an initial decision by Engineer concerning the requirements of the Contract Documents or relating to the acceptability of the Work under the Contract Documents; challenge a set-off against payment due; or seek other relief under the Contract. The Change Proposal will specify any proposed change in Contract Times or Contract Price, or other proposed relief, and explain the reason for the proposed change, with citations to any governing or applicable provisions of the Contract Documents. Each Change Proposal will address only one issue, or a set of closely related issues.

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B. *Change Proposal Procedures*

1. *Submittal*: Contractor shall submit each Change Proposal to Engineer within 30 days after the start of the event giving rise thereto, or after such initial decision.

2. *Supporting Data*: The Contractor shall submit supporting data, including the proposed change in Contract Price or Contract Time (if any), to the Engineer and Owner within 15 days after the submittal of the Change Proposal.

a. Change Proposals based on or related to delay, interruption, or interference must comply with the provisions of Paragraphs 4.05.D and 4.05.E.

b. Change proposals related to a change of Contract Price must include full and detailed accounts of materials incorporated into the Work and labor and equipment used for the subject Work.

The supporting data must be accompanied by a written statement that the supporting data are accurate and complete, and that any requested time or price adjustment is the entire adjustment to which Contractor believes it is entitled as a result of said event.

3. *Engineer's Initial Review*: Engineer will advise Owner regarding the Change Proposal, and consider any comments or response from Owner regarding the Change Proposal. If in its discretion Engineer concludes that additional supporting data is needed before conducting a full review and making a decision regarding the Change Proposal, then Engineer may request that Contractor submit such additional supporting data by a date specified by Engineer, prior to Engineer beginning its full review of the Change Proposal.

4. *Engineer's Full Review and Action on the Change Proposal*: Upon receipt of Contractor's supporting data (including any additional data requested by Engineer), Engineer will conduct a full review of each Change Proposal and, within 30 days after such receipt of the Contractor's supporting data, either approve the Change Proposal in whole, deny it in whole, or approve it in part and deny it in part. Such actions must be in writing, with a copy provided to Owner and Contractor. If Engineer does not take action on the Change Proposal within 30 days, then either Owner or Contractor may at any time thereafter submit a letter to the other party indicating that as a result of Engineer's inaction the Change Proposal is deemed denied, thereby commencing the time for appeal of the denial under Article 12.

5. *Binding Decision*: Engineer's decision is final and binding upon Owner and Contractor, unless Owner or Contractor appeals the decision by filing a Claim under Article 12.

C. *Resolution of Certain Change Proposals*: If the Change Proposal does not involve the design (as set forth in the Drawings, Specifications, or otherwise), the acceptability of the Work, or other engineering or technical matters, then Engineer will notify the parties in writing that the Engineer is unable to resolve the Change Proposal. For purposes of further resolution of such a Change Proposal, such notice will be deemed a denial, and Contractor may choose to seek resolution under the terms of Article 12.

D. *Post-Completion*: Contractor shall not submit any Change Proposals after Engineer issues a written recommendation of final payment pursuant to Paragraph 15.06.B.

11.10 *Notification to Surety*

A. If the provisions of any bond require notice to be given to a surety of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times), the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such Change.

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ARTICLE 12—CLAIMS

12.01 *Claims*

A. *Claims Process*: The following disputes between Owner and Contractor are subject to the Claims process set forth in this article:

1. Appeals by Owner or Contractor of Engineer's decisions regarding Change Proposals;
2. Owner demands for adjustments in the Contract Price or Contract Times, or other relief under the Contract Documents;
3. Disputes that Engineer has been unable to address because they do not involve the design (as set forth in the Drawings, Specifications, or otherwise), the acceptability of the Work, or other engineering or technical matters; and
4. Subject to the waiver provisions of Paragraph 15.07, any dispute arising after Engineer has issued a written recommendation of final payment pursuant to Paragraph 15.06.B.

B. *Submittal of Claim*: The party submitting a Claim shall deliver it directly to the other party to the Contract promptly (but in no event later than 30 days) after the start of the event giving rise thereto; in the case of appeals regarding Change Proposals within 30 days of the decision under appeal. The party submitting the Claim shall also furnish a copy to the Engineer, for its information only. The responsibility to substantiate a Claim rests with the party making the Claim. In the case of a Claim by Contractor seeking an increase in the Contract Times or Contract Price, Contractor shall certify that the Claim is made in good faith, that the supporting data are accurate and complete, and that to the best of Contractor's knowledge and belief the amount of time or money requested accurately reflects the full amount to which Contractor is entitled.

C. *Review and Resolution*: The party receiving a Claim shall review it thoroughly, giving full consideration to its merits. The two parties shall seek to resolve the Claim through the exchange of information and direct negotiations. The parties may extend the time for resolving the Claim by mutual agreement. All actions taken on a Claim will be stated in writing and submitted to the other party, with a copy to Engineer.

D. *Mediation*

1. At any time after initiation of a Claim, Owner and Contractor may mutually agree to mediation of the underlying dispute. The agreement to mediate will stay the Claim submittal and response process.
2. If Owner and Contractor agree to mediation, then after 60 days from such agreement, either Owner or Contractor may unilaterally terminate the mediation process, and the Claim submittal and decision process will resume as of the date of the termination. If the mediation proceeds but is unsuccessful in resolving the dispute, the Claim submittal and decision process will resume as of the date of the conclusion of the mediation, as determined by the mediator.
3. Owner and Contractor shall each pay one-half of the mediator's fees and costs.

E. *Partial Approval*: If the party receiving a Claim approves the Claim in part and denies it in part, such action will be final and binding unless within 30 days of such action the other party invokes the procedure set forth in Article 17 for final resolution of disputes.

F. *Denial of Claim*: If efforts to resolve a Claim are not successful, the party receiving the Claim may deny it by giving written notice of denial to the other party. If the receiving party does not take action on the Claim within 90 days, then either Owner or Contractor may at any time thereafter submit a letter to the other party indicating that as a result of the inaction, the Claim is deemed

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denied, thereby commencing the time for appeal of the denial. A denial of the Claim will be final and binding unless within 30 days of the denial the other party invokes the procedure set forth in Article 17 for the final resolution of disputes.

G. *Final and Binding Results*: If the parties reach a mutual agreement regarding a Claim, whether through approval of the Claim, direct negotiations, mediation, or otherwise; or if a Claim is approved in part and denied in part, or denied in full, and such actions become final and binding; then the results of the agreement or action on the Claim will be incorporated in a Change Order or other written document to the extent they affect the Contract, including the Work, the Contract Times, or the Contract Price.

ARTICLE 13—COST OF THE WORK; ALLOWANCES; UNIT PRICE WORK

13.01 *Cost of the Work*

A. *Purposes for Determination of Cost of the Work*: The term Cost of the Work means the sum of all costs necessary for the proper performance of the Work at issue, as further defined below. The provisions of this Paragraph 13.01 are used for two distinct purposes:

1. To determine Cost of the Work when Cost of the Work is a component of the Contract Price, under cost-plus-fee, time-and-materials, or other cost-based terms; or

2. When needed to determine the value of a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price. When the value of any such adjustment is determined on the basis of Cost of the Work, Contractor is entitled only to those additional or incremental costs required because of the change in the Work or because of the event giving rise to the adjustment.

B. *Costs Included*: Except as otherwise may be agreed to in writing by Owner, costs included in the Cost of the Work will be in amounts no higher than those commonly incurred in the locality of the Project, will not include any of the costs itemized in Paragraph 13.01.C, and will include only the following items:

1. Payroll costs for employees in the direct employ of Contractor in the performance of the Work under schedules of job classifications agreed upon by Owner and Contractor in advance of the subject Work. Such employees include, without limitation, superintendents, foremen, safety managers, safety representatives, and other personnel employed full time on the Work. Payroll costs for employees not employed full time on the Work will be apportioned on the basis of their time spent on the Work. Payroll costs include, but are not limited to, salaries and wages plus the cost of fringe benefits, which include social security contributions, unemployment, excise, and payroll taxes, workers' compensation, health and retirement benefits, sick leave, and vacation and holiday pay applicable thereto. The expenses of performing Work outside of regular working hours, on Saturday, Sunday, or legal holidays, will be included in the above to the extent authorized by Owner.

2. Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts accrue to Contractor unless Owner deposits funds with Contractor with which to make payments, in which case the cash discounts will accrue to Owner. All trade discounts, rebates, and refunds and returns from sale of surplus materials and equipment will accrue to Owner, and Contractor shall make provisions so that they may be obtained.

3. Payments made by Contractor to Subcontractors for Work performed by Subcontractors. If required by Owner, Contractor shall obtain competitive bids from subcontractors acceptable to Owner and Contractor and shall deliver such bids to Owner, which will then determine, with the

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advice of Engineer, which bids, if any, will be acceptable. If any subcontract provides that the Subcontractor is to be paid on the basis of Cost of the Work plus a fee, the Subcontractor's Cost of the Work and fee will be determined in the same manner as Contractor's Cost of the Work and fee as provided in this Paragraph 13.01.

4. Costs of special consultants (including but not limited to engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed or retained for services specifically related to the Work.

5. Other costs consisting of the following:

~~a.~~ The proportion of necessary transportation, travel, and subsistence expenses of Contractor's employees incurred in discharge of duties connected with the Work.

~~b.~~ Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office, and temporary facilities at the Site, which are consumed in the performance of the Work, and cost, less market value, of such items used but not consumed which remain the property of Contractor.

1) In establishing included costs for materials such as scaffolding, plating, or sheeting, consideration will be given to the actual or the estimated life of the material for use on other projects; or rental rates may be established on the basis of purchase or salvage value of such items, whichever is less. Contractor will not be eligible for compensation for such items in an amount that exceeds the purchase cost of such item.

~~c.~~ *Construction Equipment Rental*

1) Rentals of all construction equipment and machinery, and the parts thereof, in accordance with rental agreements approved by Owner as to price (including any surcharge or special rates applicable to overtime use of the construction equipment or machinery), and the costs of transportation, loading, unloading, assembly, dismantling, and removal thereof. All such costs will be in accordance with the terms of said rental agreements. The rental of any such equipment, machinery, or parts must cease when the use thereof is no longer necessary for the Work.

2) Costs for equipment and machinery owned by Contractor or a Contractor-related entity will be paid at a rate shown for such equipment in the equipment rental rate book specified in the Supplementary Conditions. An hourly rate will be computed by dividing the monthly rates by 176. These computed rates will include all operating costs.

3) With respect to Work that is the result of a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price ("changed Work"), included costs will be based on the time the equipment or machinery is in use on the changed Work and the costs of transportation, loading, unloading, assembly, dismantling, and removal when directly attributable to the changed Work. The cost of any such equipment or machinery, or parts thereof, must cease to accrue when the use thereof is no longer necessary for the changed Work.

~~d.~~ Sales, consumer, use, and other similar taxes related to the Work, and for which Contractor is liable, as imposed by Laws and Regulations.

~~e.~~ Deposits lost for causes other than negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.

~~f.~~ Losses and damages (and related expenses) caused by damage to the Work, not compensated by insurance or otherwise, sustained by Contractor in connection with the performance of the Work

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(except losses and damages within the deductible amounts of builder's risk or other property insurance established in accordance with Paragraph 6.04), provided such losses and damages have resulted from causes other than the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses include settlements made with the written consent and approval of Owner. No such losses, damages, and expenses will be included in the Cost of the Work for the purpose of determining Contractor's fee.

~~g.~~ The cost of utilities, fuel, and sanitary facilities at the Site.

~~h.~~ Minor expenses such as communication service at the Site, express and courier services, and similar petty cash items in connection with the Work.

~~i.~~ The costs of premiums for all bonds and insurance that Contractor is required by the Contract Documents to purchase and maintain.

~~j.~~ The cost of specific consideration for the indemnifications set forth in paragraph 7.18.

~~k.~~ The cost of compliance with current local, state and federal safety regulations.

C. *Costs Excluded*: The term Cost of the Work does not include any of the following items:

1. Payroll costs and other compensation of Contractor's officers, executives, principals, general managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expediters, timekeepers, clerks, and other personnel employed by Contractor, whether at the Site or in Contractor's principal or branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in Paragraph 13.01.B.1 or specifically covered by Paragraph 13.01.B.4. The payroll costs and other compensation excluded here are to be considered administrative costs covered by the Contractor's fee.
2. The cost of purchasing, renting, or furnishing small tools and hand tools.
3. Expenses of Contractor's principal and branch offices other than Contractor's office at the Site.
4. Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.
5. Costs due to the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of defective Work, disposal of materials or equipment wrongly supplied, and making good any damage to property.
6. Expenses incurred in preparing and advancing Claims.
7. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in Paragraph 13.01.B.

D. *Contractor's Fee*

1. When the Work as a whole is performed on the basis of cost-plus-a-fee, then:

~~a.~~ Contractor's fee for the Work set forth in the Contract Documents as of the Effective Date of the Contract will be determined as set forth in the Agreement.

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~~b.~~ for any Work covered by a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price on the basis of Cost of the Work, Contractor's fee will be determined as follows:

1) When the fee for the Work as a whole is a percentage of the Cost of the Work, the fee will automatically adjust as the Cost of the Work changes.

2) When the fee for the Work as a whole is a fixed fee, the fee for any additions or deletions will be determined in accordance with Paragraph 11.07.C.2.

2. When the Work as a whole is performed on the basis of a stipulated sum, or any other basis other than cost-plus-a-fee, then Contractor's fee for any Work covered by a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price on the basis of Cost of the Work will be determined in accordance with Paragraph 11.07.C.2.

E. *Documentation and Audit*: Whenever the Cost of the Work for any purpose is to be determined pursuant to this Article 13, Contractor and pertinent Subcontractors will establish and maintain records of the costs in accordance with generally accepted accounting practices. Subject to prior written notice, Owner will be afforded reasonable access, during normal business hours, to all Contractor's accounts, records, books, correspondence, instructions, drawings, receipts, vouchers, memoranda, and similar data relating to the Cost of the Work and Contractor's fee. Contractor shall preserve all such documents for a period of three years after the final payment by Owner. Pertinent Subcontractors will afford such access to Owner, and preserve such documents, to the same extent required of Contractor.

13.02 *Allowances*

A. It is understood that Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be performed for such sums and by such persons or entities as may be acceptable to Owner and Engineer.

B. *Cash Allowances*: Contractor agrees that:

1. the cash allowances include the cost to Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the Site, and all applicable taxes; and

2. Contractor's costs for unloading and handling on the Site, labor, installation, overhead, profit, and other expenses contemplated for the cash allowances have been included in the Contract Price and not in the allowances, and no demand for additional payment for any of the foregoing will be valid.

C. *Owner's Contingency Allowance*: Contractor agrees that an Owner's contingency allowance, if any, is for the sole use of Owner to cover unanticipated costs.

D. Prior to final payment, an appropriate Change Order will be issued as recommended by Engineer to reflect actual amounts due Contractor for Work covered by allowances, and the Contract Price will be correspondingly adjusted.

13.03 *Unit Price Work*

A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement.

B. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. Payments to Contractor for Unit Price Work will be based on actual quantities.

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C. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead and profit for each separately identified item.

D. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor the Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon Owner and Contractor, and the final adjustment of Contract Price will be set forth in a Change Order, subject to the provisions of the following paragraph.

E. ~~*Adjustments in Unit Price*~~

1. ~~Contractor or Owner shall be entitled to an adjustment in the unit price with respect to an item of Unit Price Work if:~~

~~a. the quantity of the item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement; and~~

~~b. Contractor's unit costs to perform the item of Unit Price Work have changed materially and significantly as a result of the quantity change.~~

2. ~~The adjustment in unit price will account for and be coordinated with any related changes in quantities of other items of Work, and in Contractor's costs to perform such other Work, such that the resulting overall change in Contract Price is equitable to Owner and Contractor.~~

3. ~~Adjusted unit prices will apply to all units of that item.~~

E. If Owner objects to Contractor's quoted adjustment in Unit Price Work, Owner may assign such Work to its own forces or another contractor.

F. Owner reserves the right to delete any Unit Price Work without financial penalty incurred from Contractor.

ARTICLE 14—TESTS AND INSPECTIONS; CORRECTION, REMOVAL, OR ACCEPTANCE OF DEFECTIVE WORK

14.01 *Access to Work*

A. Owner, Engineer, their consultants and other representatives and personnel of Owner, independent testing laboratories, and authorities having jurisdiction have access to the Site and the Work at reasonable times for their observation, inspection, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's safety procedures and programs so that they may comply with such procedures and programs as applicable.

14.02 *Tests, Inspections, and Approvals*

A. Contractor shall give Engineer timely notice of readiness of the Work (or specific parts thereof) for all required inspections and tests, and shall cooperate with inspection and testing personnel to facilitate required inspections and tests. Contractor shall reimburse Owner for the charges of Engineer and Engineer's Consultants for all costs due to work not being ready for tests and/or inspections when the Contractor has notified Engineer that work is ready for tests and/or inspections. Contractor shall reimburse Owner for all failed tests and subsequent retests. Reimbursement for the charges shall be a deduction from the Contractor's Partial Payment(s).

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B. ~~Owner shall retain and pay for the services of an independent inspector, testing laboratory, or other qualified individual or entity to perform all inspections and tests expressly required by the Contract Documents to be furnished and paid for by Owner, except that costs incurred in connection with tests or inspections of covered Work will be governed by the provisions of Paragraph 14.05~~ The Contractor shall obtain and employ an independent testing laboratory to provide the services specified herein and shall include all costs for these services in the contract price. The Contractor shall submit for approval by the Owner and Engineer, the independent testing laboratory, including qualifications.

Copies of all testing agency invoices submitted to the Contractor for payment shall be forwarded with the Contractor's request for partial payment. Invoices shall be submitted routinely throughout the project and shall be pertinent to the partial payment period under consideration. Testing agency invoices in excess of sixty (60) days old shall not be considered for payment, Invoices shall clearly indicate if the invoiced testing cost is a result of retests required due to the Contractor's failure to achieve specified requirements. The cost of retesting due to the test failure will be borne by the Contractor. Payment to the Contractor for testing shall not be made without the required itemized invoicing.

C. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish Engineer the required certificates of inspection or approval.

D. Contractor shall be responsible for arranging, obtaining, and paying for all inspections and tests required:

1. by the Contract Documents, unless the Contract Documents expressly allocate responsibility for a specific inspection or test to Owner;
2. to attain Owner's and Engineer's acceptance of materials or equipment to be incorporated in the Work;
3. by manufacturers of equipment furnished under the Contract Documents;
4. for testing, adjusting, and balancing of mechanical, electrical, and other equipment to be incorporated into the Work; and
5. for acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work.

Such inspections and tests will be performed by independent inspectors, testing laboratories, or other qualified individuals or entities acceptable to Owner and Engineer.

E. If the Contract Documents require the Work (or part thereof) to be approved by Owner, Engineer, or another designated individual or entity, then Contractor shall assume full responsibility for arranging and obtaining such approvals.

F. If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, Contractor shall, if requested by Engineer, uncover such Work for observation. Such uncovering will be at Contractor's expense unless Contractor had given Engineer timely notice of Contractor's intention to cover the same and Engineer had not acted with reasonable promptness in response to such notice.

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14.03 *Defective Work*

A. *Contractor's Obligation*: It is Contractor's obligation to assure that the Work is not defective.

B. *Engineer's Authority*: Engineer has the authority to determine whether Work is defective, and to reject defective Work.

C. *Notice of Defects*: Prompt written notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor.

D. *Correction, or Removal and Replacement*: Promptly after receipt of written notice of defective Work, Contractor shall correct all such defective Work, whether or not fabricated, installed, or completed, or, if Engineer has rejected the defective Work, remove it from the Project and replace it with Work that is not defective.

E. *Preservation of Warranties*: When correcting defective Work, Contractor shall take no action that would void or otherwise impair Owner's special warranty and guarantee, if any, on said Work.

F. *Costs and Damages*: In addition to its correction, removal, and replacement obligations with respect to defective Work, Contractor shall pay all claims, costs, losses, and damages arising out of or relating to defective Work, including but not limited to the cost of the inspection, testing, correction, removal, replacement, or reconstruction of such defective Work, fines levied against Owner by governmental authorities because the Work is defective, and the costs of repair or replacement of work of others resulting from defective Work. Prior to final payment, if Owner and Contractor are unable to agree as to the measure of such claims, costs, losses, and damages resulting from defective Work, then Owner may impose a reasonable set-off against payments due under Article 15.

14.04 *Acceptance of Defective Work*

A. If, instead of requiring correction or removal and replacement of defective Work, Owner prefers to accept it, Owner may do so (subject, if such acceptance occurs prior to final payment, to Engineer's confirmation that such acceptance is in general accord with the design intent and applicable engineering principles, and will not endanger public safety). Contractor shall pay all claims, costs, losses, and damages attributable to Owner's evaluation of and determination to accept such defective Work (such costs to be approved by Engineer as to reasonableness), and for the diminished value of the Work to the extent not otherwise paid by Contractor. If any such acceptance occurs prior to final payment, the necessary revisions in the Contract Documents with respect to the Work will be incorporated in a Change Order. If the parties are unable to agree as to the decrease in the Contract Price, reflecting the diminished value of Work so accepted, then Owner may impose a reasonable set-off against payments due under Article 15. If the acceptance of defective Work occurs after final payment, Contractor shall pay an appropriate amount to Owner.

14.05 *Uncovering Work*

A. Engineer has the authority to require additional inspection or testing of the Work, whether or not the Work is fabricated, installed, or completed.

B. If any Work is covered contrary to the written request of Engineer, then Contractor shall, if requested by Engineer, uncover such Work for Engineer's observation, and then replace the covering, all at Contractor's expense.

C. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, then Contractor, at Engineer's request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, and provide all necessary labor, material, and equipment.

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1. If it is found that the uncovered Work is defective, Contractor shall be responsible for all claims, costs, losses, and damages arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and pending Contractor's full discharge of this responsibility the Owner shall be entitled to impose a reasonable set-off against payments due under Article 15.

2. If the uncovered Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, then Contractor may submit a Change Proposal within 30 days of the determination that the Work is not defective.

14.06 *Owner May Stop the Work*

A. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, then Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of Owner to stop the Work will not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.

14.07 *Owner May Correct Defective Work*

A. If Contractor fails within a reasonable time after written notice from Engineer to correct defective Work, or to remove and replace defective Work as required by Engineer, then Owner may, after 7 days' written notice to Contractor, correct or remedy any such deficiency.

B. In exercising the rights and remedies under this Paragraph 14.07, Owner shall proceed expeditiously. In connection with such corrective or remedial action, Owner may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, and incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow Owner, Owner's representatives, agents and employees, Owner's other contractors, and Engineer and Engineer's consultants access to the Site to enable Owner to exercise the rights and remedies under this paragraph.

C. All claims, costs, losses, and damages incurred or sustained by Owner in exercising the rights and remedies under this Paragraph 14.07 will be charged against Contractor as set-offs against payments due under Article 15. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.

D. Contractor shall not be allowed an extension of the Contract Times because of any delay in the performance of the Work attributable to the exercise by Owner of Owner's rights and remedies under this Paragraph 14.07.

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ARTICLE 15—PAYMENTS TO CONTRACTOR; SET-OFFS; COMPLETION; CORRECTION PERIOD

15.01 *Progress Payments*

A. *Basis for Progress Payments*: The Schedule of Values established as provided in Article 2 will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments for Unit Price Work will be based on the number of units completed during the pay period, as determined under the provisions of Paragraph 13.03. Progress payments for cost-based Work will be based on Cost of the Work completed by Contractor during the pay period.

B. *Applications for Payments*

1. At least 20 days before the date established in the Agreement for each progress payment (but not more often than once a month), Contractor shall submit to Engineer for review an Application for Payment filled out and signed by Contractor covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents.

2. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the Site or at another location agreed to in writing, the Application for Payment must also be accompanied by: (a) a bill of sale, invoice, copies of subcontract or purchase order payments, or other documentation establishing full payment by Contractor for the materials and equipment; (b) at Owner's request, documentation warranting that Owner has received the materials and equipment free and clear of all Liens; and (c) evidence that the materials and equipment are covered by appropriate property insurance, a warehouse bond, or other arrangements to protect Owner's interest therein, all of which must be satisfactory to Owner.

3. Beginning with the second Application for Payment, each Application shall include an affidavit of Contractor certifying that Contractor has disbursed to all subcontractors and suppliers having an interest in the contract their pro rata shares of the payment out of previous progress payments received by Contractor for all work completed and materials furnished in the previous work period, less a retainage withheld by Contractor pursuant to an agreement with a subcontractor. Within thirty (30) days of receipt for the final progress payment or any other payments received thereafter except the final payment, Contractor shall pay all subcontractors and suppliers having an interest in the contract their pro rata shares of the payment for all work completed and materials furnished. ~~must include an affidavit of Contractor stating that all previous progress payments received by Contractor have been applied to discharge Contractor's legitimate obligations associated with prior~~ Applications ~~for Payment.~~

4. The amount of retainage with respect to progress payments will be as stipulated in the Agreement.

C. *Review of Applications*

1. Engineer will, within 10 days after receipt of each Application for Payment, including each resubmittal, either indicate in writing a recommendation of payment and present the Application to Owner, or return the Application to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. In the latter case, Contractor may make the necessary corrections and resubmit the Application or direct Engineer to present the Application to Owner with Engineer's recommendation of partial payment.

2. Engineer's recommendation of any payment requested in an Application for Payment will constitute a representation by Engineer to Owner, based on Engineer's observations of the executed Work as an experienced and qualified design professional, and on Engineer's review of the Application for

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Payment and the accompanying data and schedules and the Contract Documents, that to the best of Engineer's knowledge, information and belief:

a. the Work has progressed to the point indicated;

b. the quality of the Work is generally in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, the results of any subsequent tests called for in the Contract Documents, a final determination of quantities and classifications for Unit Price Work under Paragraph 13.03, and any other qualifications stated in the recommendation); and

c. the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Work.

d. Contractor's other obligations under the Contract Documents have been fulfilled.

3. By recommending any such payment Engineer will not thereby be deemed to have represented that:

a. inspections made to check the quality or the quantity of the Work as it has been performed have been exhaustive, extended to every aspect of the Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in the Contract; or

b. there may not be other matters or issues between the parties that might entitle Contractor to be paid additionally by Owner or entitle Owner to withhold payment to Contractor.

4. Neither Engineer's review of Contractor's Work for the purposes of recommending payments nor Engineer's recommendation of any payment, including final payment, will impose responsibility on Engineer:

a. to supervise, direct, or control the Work;

b. for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto;

c. for Contractor's failure to comply with Laws and Regulations applicable to Contractor's performance of the Work;

d. to make any examination to ascertain how or for what purposes Contractor has used the money paid by Owner; or

e. to determine that title to any of the Work, materials, or equipment has passed to Owner free and clear of any Liens.

5. Engineer may refuse to recommend the whole or any part of any payment if, in Engineer's opinion, it would be incorrect to make the representations to Owner stated in Paragraph 15.01.C.2.

6. Engineer will recommend reductions in payment (set-offs) necessary in Engineer's opinion to protect Owner from loss because:

a. the Work is defective, requiring correction or replacement;

b. the Contract Price has been reduced by Change Orders;

c. Owner has been required to correct defective Work in accordance with Paragraph 14.07, or has accepted defective Work pursuant to Paragraph 14.04;

d. Owner has been required to remove or remediate a Hazardous Environmental Condition for which Contractor is responsible; or

e. Engineer has actual knowledge of the occurrence of any of the events that would constitute a

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default by Contractor and therefore justify termination for cause under the Contract Documents.

D. *Payment Becomes Due*

1. Ten days after presentation of the Application for Payment to Owner with Engineer's recommendation, the amount recommended (subject to any Owner set-offs) will become due, and when due will be paid by Owner to Contractor.

E. *Reductions in Payment by Owner*

1. In addition to any reductions in payment (set-offs) recommended by Engineer, Owner is entitled to impose a set-off against payment based on any of the following:

a. Claims have been made against Owner based on Contractor's conduct in the performance or furnishing of the Work, or Owner has incurred costs, losses, or damages resulting from Contractor's conduct in the performance or furnishing of the Work, including but not limited to claims, costs, losses, or damages from workplace injuries, adjacent property damage, non-compliance with Laws and Regulations, and patent infringement;

b. Contractor has failed to take reasonable and customary measures to avoid damage, delay, disruption, and interference with other work at or adjacent to the Site;

c. Contractor has failed to provide and maintain required bonds or insurance;

d. Owner has been required to remove or remediate a Hazardous Environmental Condition for which Contractor is responsible;

e. Owner has incurred extra charges or engineering costs related to submittal reviews, evaluations of proposed substitutes, tests and inspections, or return visits to manufacturing or assembly facilities;

f. The Work is defective, requiring correction or replacement;

g. Owner has been required to correct defective Work in accordance with Paragraph 14.07, or has accepted defective Work pursuant to Paragraph 14.04;

h. The Contract Price has been reduced by Change Orders;

i. An event has occurred that would constitute a default by Contractor and therefore justify a termination for cause;

j. Liquidated or other damages have accrued as a result of Contractor's failure to achieve Milestones, Substantial Completion, or final completion of the Work;

k. Liens have been filed in connection with the Work, except where Contractor has delivered a specific bond satisfactory to Owner to secure the satisfaction and discharge of such Liens; or

l. Other items entitle Owner to a set-off against the amount recommended.

2. If Owner imposes any set-off against payment, whether based on its own knowledge or on the written recommendations of Engineer, Owner will give Contractor immediate written notice (with a copy to Engineer) stating the reasons for such action and the specific amount of the reduction, and promptly pay Contractor any amount remaining after deduction of the amount so withheld. Owner shall promptly pay Contractor the amount so withheld, or any adjustment thereto agreed to by Owner and Contractor, if Contractor remedies the reasons for such action. The reduction imposed will be binding on Contractor unless it duly submits a Change Proposal contesting the reduction.

3. Upon a subsequent determination that Owner's refusal of payment was not justified, the amount wrongfully withheld will be treated as an amount due as determined by Paragraph 15.01.D.1 and subject to interest as provided in the Agreement.

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15.02 *Contractor's Warranty of Title*

A. Contractor warrants and guarantees that title to all Work, materials, and equipment furnished under the Contract will pass to Owner free and clear of (1) all Liens and other title defects, and (2) all patent, licensing, copyright, or royalty obligations, no later than 7 days after the time of payment by Owner.

15.03 *Substantial Completion*

A. When Contractor considers the entire Work ready for its intended use Contractor shall notify Owner and Engineer in writing that the entire Work is substantially complete and request that Engineer issue a certificate of Substantial Completion. Contractor shall at the same time submit to Owner and Engineer an initial draft of punch list items to be completed or corrected before final payment.

B. Promptly after Contractor's notification, Owner, Contractor, and Engineer shall make an inspection of the Work to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor in writing giving the reasons therefor.

C. If Engineer considers the Work substantially complete, Engineer will deliver to Owner a preliminary certificate of Substantial Completion which will fix the date of Substantial Completion. Engineer shall attach to the certificate a punch list of items to be completed or corrected before final payment. Owner shall have 7 days after receipt of the preliminary certificate during which to make written objection to Engineer as to any provisions of the certificate or attached punch list. If, after considering the objections to the provisions of the preliminary certificate, Engineer concludes that the Work is not substantially complete, Engineer will, within 14 days after submission of the preliminary certificate to Owner, notify Contractor in writing that the Work is not substantially complete, stating the reasons therefor. If Owner does not object to the provisions of the certificate, or if despite consideration of Owner's objections Engineer concludes that the Work is substantially complete, then Engineer will, within said 14 days, execute and deliver to Owner and Contractor a final certificate of Substantial Completion (with a revised punch list of items to be completed or corrected) reflecting such changes from the preliminary certificate as Engineer believes justified after consideration of any objections from Owner.

D. At the time of receipt of the preliminary certificate of Substantial Completion, Owner and Contractor will confer regarding Owner's use or occupancy of the Work following Substantial Completion, review the builder's risk insurance policy with respect to the end of the builder's risk coverage, and confirm the transition to coverage of the Work under a permanent property insurance policy held by Owner. Unless Owner and Contractor agree otherwise in writing, Owner shall bear responsibility for security, operation, protection of the Work, property insurance, maintenance, heat, and utilities upon Owner's use or occupancy of the Work.

E. After Substantial Completion the Contractor shall promptly begin work on the punch list of items to be completed or corrected prior to final payment. In appropriate cases Contractor may submit monthly Applications for Payment for completed punch list items, following the progress payment procedures set forth above.

F. Owner shall have the right to exclude Contractor from the Site after the date of Substantial Completion subject to allowing Contractor reasonable access to remove its property and complete or correct items on the punch list.

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15.04 *Partial Use or Occupancy*

A. Prior to Substantial Completion of all the Work, Owner may use or occupy any substantially completed part of the Work which has specifically been identified in the Contract Documents, or which Owner, Engineer, and Contractor agree constitutes a separately functioning and usable part of the Work that can be used by Owner for its intended purpose without significant interference with Contractor's performance of the remainder of the Work, subject to the following conditions:

1. At any time, Owner may request in writing that Contractor permit Owner to use or occupy any such part of the Work that Owner believes to be substantially complete. If and when Contractor agrees that such part of the Work is substantially complete, Contractor, Owner, and Engineer will follow the procedures of Paragraph 15.03.A through 15.03.E for that part of the Work.

2. At any time, Contractor may notify Owner and Engineer in writing that Contractor considers any such part of the Work substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.

3. Within a reasonable time after either such request, Owner, Contractor, and Engineer shall make an inspection of that part of the Work to determine its status of completion. If Engineer does not consider that part of the Work to be substantially complete, Engineer will notify Owner and Contractor in writing giving the reasons therefor. If Engineer considers that part of the Work to be substantially complete, the provisions of Paragraph 15.03 will apply with respect to certification of Substantial Completion of that part of the Work and the division of responsibility in respect thereof and access thereto.

4. No use or occupancy or separate operation of part of the Work may occur prior to compliance with the requirements of Paragraph 6.04 regarding builder's risk or other property insurance.

15.05 *Final Inspection*

A. Upon written notice from Contractor that the entire Work or an agreed portion thereof is complete, Engineer will promptly make a final inspection with Owner and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals that the Work, or agreed portion thereof, is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

15.06 *Final Payment*

A. *Application for Payment*

1. After Contractor has, in the opinion of Engineer, satisfactorily completed all corrections identified during the final inspection and has delivered, in accordance with the Contract Documents, all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, annotated record documents (as provided in Paragraph 7.12), and other documents, Contractor may make application for final payment.

2. The final Application for Payment must be accompanied (except as previously delivered) by:

a. all documentation called for in the Contract Documents;

b. consent of the surety, if any, to final payment;

c. satisfactory evidence that all title issues have been resolved such that title to all Work, materials, and equipment has passed to Owner free and clear of any Liens or other title defects, or will so pass upon final payment.

d. a list of all duly pending Change Proposals and Claims; and

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e. complete and legally effective releases or waivers (satisfactory to Owner) of all Lien rights arising out of the Work, and of Liens filed in connection with the Work.

3. In lieu of the releases or waivers of Liens specified in Paragraph 15.06.A.2 and as approved by Owner, Contractor may furnish receipts or releases in full and an affidavit of Contractor that: (a) the releases and receipts include all labor, services, material, and equipment for which a Lien could be filed; and (b) all payrolls, material and equipment bills, and other indebtedness connected with the Work for which Owner might in any way be responsible, or which might in any way result in liens or other burdens on Owner's property, have been paid or otherwise satisfied. If any Subcontractor or Supplier fails to furnish such a release or receipt in full, Contractor may furnish a bond or other collateral satisfactory to Owner to indemnify Owner against any Lien, or Owner at its option may issue joint checks payable to Contractor and specified Subcontractors and Suppliers.

B. *Engineer's Review of Final Application and Recommendation of Payment*: ~~If, on the basis of~~ Engineer's ~~observation of the Work during construction and final inspection, and Engineer's review of the final Application for Payment and accompanying documentation as required by the Contract Documents, Engineer is satisfied that the Work has been completed and Contractor's other obligations under the Contract have been fulfilled, Engineer will, within 10 days after receipt of the final Application for Payment, indicate in writing Engineer's recommendation of final payment and present the final Application for Payment to Owner for payment. Such recommendation will account for any set-offs against payment that are necessary in Engineer's opinion to protect Owner from loss for the reasons stated above with respect to progress payments. Otherwise, Engineer will return the Application for Payment to Contractor, indicating in writing the reasons for refusing to recommend final payment, in which case Contractor shall make the necessary corrections and resubmit the Application for Payment~~ The acceptance of Final Payment by Contractor designated and identified by Engineer as Final Payment shall be and shall operate as a release to Owner of all claims and all liability to Contractor other than claims in stated amounts as may be specifically excepted by Contractor for all things done or finished in connection it the Work and for every act of Owner and others relating to or arising out of the Work. Any payment, however, final or otherwise, shall not release Contractor or Contractor's Surety(ies) from any obligations under the Contract Documents or Bonds.

C. *Notice of Acceptability*: In support of its recommendation of payment of the final Application for Payment, Engineer will also give written notice to Owner and Contractor that the Work is acceptable, subject to stated limitations in the notice and to the provisions of Paragraph 15.07.

D. *Completion of Work*: The Work is complete (subject to surviving obligations) when it is ready for final payment as established by the Engineer's written recommendation of final payment and issuance of notice of the acceptability of the Work.

E. *Final Payment Becomes Due*: Upon receipt from Engineer of the final Application for Payment and accompanying documentation, Owner shall set off against the amount recommended by Engineer for final payment any further sum to which Owner is entitled, including but not limited to set-offs for liquidated damages and set-offs allowed under the provisions of this Contract with respect to progress payments. Owner shall pay the resulting balance due to Contractor within 30 days of Owner's receipt of the final Application for Payment from Engineer.

15.07 *Waiver of Claims*

A. By making final payment, Owner waives its claim or right to liquidated damages or other damages for late completion by Contractor, except as set forth in an outstanding Claim, appeal under the provisions of Article 17, set-off, or express reservation of rights by Owner. Owner reserves all other claims or rights after final payment.

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B. The acceptance of final payment by Contractor will constitute a waiver by Contractor of all claims and rights against Owner other than those pending matters that have been duly submitted as a Claim, or appealed under the provisions of Article 17.

15.08 *Correction Period*

A. If within one year after the date of Substantial Completion (or such longer period of time as may be prescribed by the Supplementary Conditions or the terms of any applicable special guarantee required by the Contract Documents), Owner gives Contractor written notice that any Work has been found to be defective, or that Contractor's repair of any damages to the Site or adjacent areas has been found to be defective, then after receipt of such notice of defect Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions:

1. correct the defective repairs to the Site or such adjacent areas;
2. correct such defective Work;
3. remove the defective Work from the Project and replace it with Work that is not defective, if the defective Work has been rejected by Owner, and
4. satisfactorily correct or repair or remove and replace any damage to other Work, to the work of others, or to other land or areas resulting from the corrective measures.

B. Owner shall give any such notice of defect within 60 days of the discovery that such Work or repairs is defective. If such notice is given within such 60 days but after the end of the correction period, the notice will be deemed a notice of defective Work under Paragraph 7.17.B.

C. If, after receipt of a notice of defect within 60 days and within the correction period, Contractor does not promptly comply with the terms of Owner's written instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the defective Work corrected or repaired or may have the rejected Work removed and replaced. Contractor shall pay all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others). Contractor's failure to pay such costs, losses, and damages within 10 days of invoice from Owner will be deemed the start of an event giving rise to a Claim under Paragraph 12.01.B, such that any related Claim must be brought within 30 days of the failure to pay.

D. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications.

E. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this paragraph, the correction period hereunder with respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.

F. Contractor's obligations under this paragraph are in addition to all other obligations and warranties. The provisions of this paragraph are not to be construed as a substitute for, or a waiver of, the provisions of any applicable statute of limitation or repose.

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ARTICLE 16—SUSPENSION OF WORK AND TERMINATION

16.01 *Owner May Suspend Work*

A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 90 consecutive days by written notice to Contractor and Engineer. Such notice will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be entitled to an adjustment in the Contract Price or an extension of the Contract Times directly attributable to any such suspension. Any Change Proposal seeking such adjustments must be submitted no later than 30 days after the date fixed for resumption of Work.

16.02 *Owner May Terminate for Cause*

A. The occurrence of any one or more of the following events will constitute a default by Contractor and justify termination for cause:

1. Contractor's failure to start the Work in accordance with the Notice to Proceed or Contractor's persistent failure to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment, or failure to adhere to the Progress Schedule);
2. Failure of Contractor to perform or otherwise to comply with a material term of the Contract Documents;
3. Contractor's disregard of Laws or Regulations of any public body having jurisdiction; or
4. Contractor's repeated disregard of the authority of Owner or Engineer.

B. If one or more of the events identified in Paragraph 16.02.A occurs, then after giving Contractor (and any surety) 10 days' written notice that Owner is considering a declaration that Contractor is in default and termination of the Contract, Owner may proceed to:

1. declare Contractor to be in default, and give Contractor (and any surety) written notice that the Contract is terminated; and
2. enforce the rights available to Owner under any applicable performance bond.

C. Subject to the terms and operation of any applicable performance bond, if Owner has terminated the Contract for cause, Owner may exclude Contractor from the Site, take possession of the Work, incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere, and complete the Work as Owner may deem expedient.

D. Owner may not proceed with termination of the Contract under Paragraph 16.02.B if Contractor within 7 days of receipt of notice of intent to terminate begins to correct its failure to perform and proceeds diligently to cure such failure.

E. If Owner proceeds as provided in Paragraph 16.02.B, Contractor shall not be entitled to receive any further payment until the Work is completed. If the unpaid balance of the Contract Price exceeds the cost to complete the Work, including all related claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals) sustained by Owner, such excess will be paid to Contractor. If the cost to complete the Work including such related claims, costs, losses, and damages exceeds such unpaid balance, Contractor shall pay the difference to Owner. Such claims, costs, losses, and damages incurred by Owner will be reviewed by Engineer as to their reasonableness and, when so approved by Engineer,

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incorporated in a Change Order. When exercising any rights or remedies under this paragraph, Owner shall not be required to obtain the lowest price for the Work performed.

F. Where Contractor's services have been so terminated by Owner, the termination will not affect any rights or remedies of Owner against Contractor then existing or which may thereafter accrue, or any rights or remedies of Owner against Contractor or any surety under any payment bond or performance bond. Any retention or payment of money due Contractor by Owner will not release Contractor from liability.

G. If and to the extent that Contractor has provided a performance bond under the provisions of Paragraph 6.01.A, the provisions of that bond will govern over any inconsistent provisions of Paragraphs 16.02.B and 16.02.D.

16.03 *Owner May Terminate for Convenience*

A. Upon 7 days' written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for (without duplication of any items):

1. completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;

2. expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses; and

3. other reasonable expenses directly attributable to termination, including costs incurred to prepare a termination for convenience cost proposal.

B. Contractor shall not be paid for any loss of anticipated profits or revenue, post-termination overhead costs, or other economic loss arising out of or resulting from such termination.

16.04 *Contractor May Stop Work or Terminate*

A. If, through no act or fault of Contractor, (1) the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or (2) Engineer fails to act on any Application for Payment within 30 days after it is submitted, or (3) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon 7 days' written notice to Owner and Engineer, and provided Owner or Engineer do not remedy such suspension or failure within that time, terminate the contract and recover from Owner payment on the same terms as provided in Paragraph 16.03.

B. In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within 30 days after it is submitted, or Owner has failed for 30 days to pay Contractor any sum finally determined to be due, Contractor may, 7 days after written notice to Owner and Engineer, stop the Work until payment is made of all such amounts due Contractor, including interest thereon. The provisions of this paragraph are not intended to preclude Contractor from submitting a Change Proposal for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this paragraph.

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ARTICLE 17—FINAL RESOLUTION OF DISPUTES

17.01 *Methods and Procedures*

A. *Disputes Subject to Final Resolution*: The following disputed matters are subject to final resolution under the provisions of this article:

1. A timely appeal of an approval in part and denial in part of a Claim, or of a denial in full, pursuant to Article 12; and
2. Disputes between Owner and Contractor concerning the Work, or obligations under the Contract Documents, that arise after final payment has been made.

B. *Final Resolution of Disputes*: For any dispute subject to resolution under this article, Owner or Contractor may:

1. elect in writing to invoke the dispute resolution process provided for in the Supplementary Conditions;
2. agree with the other party to submit the dispute to another dispute resolution process; or
3. if no dispute resolution process is provided for in the Supplementary Conditions or mutually agreed to, give written notice to the other party of the intent to submit the dispute to a court of competent jurisdiction. Any litigation action shall be filed in a state Court in Nassau County, Florida, with the exception of any federal litigation action which shall be filed with a Court for the Middle District of Florida. Any mediation shall be held in Nassau County, Florida.

ARTICLE 18—MISCELLANEOUS

18.01 *Giving Notice*

A. Whenever any provision of the Contract requires the giving of written notice to Owner, Engineer, or Contractor, it will be deemed to have been validly given only if delivered:

1. in person, by a commercial courier service or otherwise, to the recipient's place of business;
2. by registered or certified mail, postage prepaid, to the recipient's place of business; or
3. by e-mail to the recipient, with the words "Formal Notice" or similar in the e-mail's subject line.

18.02 *Computation of Times*

A. When any period of time is referred to in the Contract by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

18.03 *Cumulative Remedies*

A. The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract. The provisions of this paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

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18.04 *Limitation of Damages*

A. With respect to any and all Change Proposals, Claims, disputes subject to final resolution, and other matters at issue, neither Owner nor Engineer, nor any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, shall be liable to Contractor for any claims, costs, losses, or damages sustained by Contractor on or in connection with any other project or anticipated project.

18.05 *No Waiver*

A. A party's non-enforcement of any provision will not constitute a waiver of that provision, nor will it affect the enforceability of that provision or of the remainder of this Contract.

18.06 *Survival of Obligations*

A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract, as well as all continuing obligations indicated in the Contract, will survive final payment, completion, and acceptance of the Work or termination of the Contract or of the services of Contractor.

18.07 *Controlling Law*

A. This Contract is to be governed by the law of the state in which the Project is located.

18.08 *Assignment of Contract*

A. Unless expressly agreed to elsewhere in the Contract, no assignment by a party to this Contract of any rights under or interests in the Contract will be binding on the other party without the written consent of the party sought to be bound; and, specifically but without limitation, money that may become due and money that is due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract.

18.09 *Successors and Assigns*

A. Owner and Contractor each binds itself, its successors, assigns, and legal representatives to the other party hereto, its successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

18.10 *Headings*

A. Article and paragraph headings are inserted for convenience only and do not constitute parts of these General Conditions.

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SECTION 00 73 15

SUPPLEMENTARY CONDITIONS

These Supplementary Conditions amend or supplement the Standard General Conditions of the Construction Contract (EJCDC C-700, 2018 Edition). All provisions which are not so amended or supplemented remain in full force and effect.

The terms used in these Supplementary Conditions which are defined in the Standard General Conditions of the Construction Contract have the meanings assigned to them in the General Conditions.

ARTICLE 3 CONTRACT DOCUMENTS: INTENT, REQUIREMENTS, REUSE

Add the following to the end of paragraph 3.03.B.b:

SC-3.03.B.c In cases of discrepancy, The Governing Order of Documents is as follows:

1. Supplementary Conditions
2. Plans
3. FDOT Standard Plans
4. FDOT Standard Specifications
5. Standard General Conditions
6. Project Manual

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DIVISION 01

GENERAL REQUIREMENTS

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SECTION 01 11 00

SUMMARY OF WORK

PART 1 THE WORK AND ITS PERFORMANCE

1.1 CHARACTER OF THE WORK

Unless otherwise expressly provided in the Contract Documents, the Work must be performed in accordance with best modern practice, with materials and workmanship of the highest quality to the satisfaction of the County.

1.2 DESCRIPTION OF THE PROJECT

A. **The project title is: CR 121 from Duval County Line to CR 119**
Bid Number NC25-012-ITB
ITB Nassau County,
Florida

B. This project consists of the reconstruction and resurfacing of County Road 121 from Duval county line to County Road 119.

All work shall be in accordance with the construction drawings, specifications, and contract documents.
BIDDERS MUST BE FDOT PRE-QUALIFIED FOR ALL CATEGORIES OF WORK REQUIRED FOR THIS PROJECT.

C. The specification divisions and drawings are an integrated part of the contract documents and, as such, will not stand alone if used independently as individual sections, divisions, or drawings sheets. The drawings and specifications establish minimum standards of quality for this project. They do not purport to cover all details entering into the design and construction of materials and equipment.

PART 2 WORKING HOURS

2.1 GENERAL

Work under this contract shall not be performed on County, State and/or national holidays or during such events as:

- Fernandina Beach Shrimp Festival
- Concours D'Elegance
- Nassau County School System FSA
- TPC Tournament
- Florida-Georgia football game
- Jaguars home football games
- Gator Bowl
- Greater Jacksonville Agricultural Fair
- Greater Jacksonville Kingfish Tournament
- Isle of Eight Flags Shrimp Festival

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Except in time of emergency, and then only under written permission from the County who shall be the sole judge as to the urgency of that situation. Available workdays to perform work will not include night time work, weekend work, or work before 8:00 am or after 5:00 pm (40 hours per work week).

Should the Contractor deem it necessary to work on Sundays, holidays, or beyond daylight hours in order to comply with his construction schedule or because of an emergency, the Contractor shall request permission of the County. If, in the opinion of the County, the need is bona fide, the County will authorize the Contractor to work such hours as may be necessary.

2.2 LANE CLOSURES

Lane closures will be allowed subject to Nassau County's Road Closure Policy (Appendix B).

PART 3 COMMUNICATIONS

3.1 PROCORE CONSTRUCTION MANAGEMENT SOFTWARE

All Consultants and Contractors are hereby required to utilize the Procore Construction Management platform for all project-related communications, documentation, submittals, and coordination. Access to Procore will be provided by the Owner. Failure to consistently use Procore to maintain accurate and up-to-date records may result in withheld payments or other corrective actions as deemed necessary by the Owner.

3.1 e-CONSTRUCTION

Conduct all written communication associated with the contract using paperless electronic means. When the Specifications require a submission of documentation, such documents must be submitted and exchanged electronically using the CEI provided email. All correspondence (RFI/RFM/RFCs, submittals, etc.) shall be submitted from the Prime Contractor to Procore Software to the Project Engineer and email as needed to the designated CEI Project Administrator who will in turn process. All documents requiring a signature must be executed electronically by both parties in accordance with Chapter 668, Florida Statutes.

PART 4 ABBREVIATIONS

4.1 ORDINANCES, REGULATIONS, STANDARDS, AND CODES

Reference in the specifications to known standards, codes, specifications, etc., promulgated by professional or technical associations, institutions, and societies, is intended to mean the latest edition of each such standard adopted and published as of the date of the Invitation to Bid on this project except where otherwise specifically indicated. Each such standard referred to shall be considered a part of the specifications to the same extent as if reproduced herein in full. The following is a list of applicable documents that apply to this contract.

American Association of State Highway and Transportation Officials (AASHTO) formerly (AASHO)

American Concrete Institute (ACI)

American Institute of Steel Construction (AISC)

American Iron and Steel Institute (AISI)

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American National Standards lnstitute (ANSI)

American Standards Association (ASA)

American Society of Mechanical Engineers (ASME)

American Society of Testing and Materials (ASTM)

American Water Works Association (AWWA) American Welding Society (AWS)

Anti-Friction Bearing Manufacturer's Association (AFBMA)

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Building Officials and Code Administrators International, Inc. (BOCA)

Code of Laws and Ordinances of Nassau County, Florida Construction Specifications Institute (CSI)

Federal Specifications (FS)

Florida Department of Transportation (FDOT) Standard Specifications for Road and Bridge Construction, latest Edition (Standard Specifications)

Florida Department of Traffic Standard Plans (FDOT Index)

Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD)

National Bureau of Standards (NBS)

National Electrical Manufacturer's Association (NEMA)

National Fire Protection Association (NFPA)

Portland Cement Association (PCA)

Occupational Safety and Health Act (Public Law 91-596), U.S. Department of Labor (OSHA)

Steel Structures Painting Council (SSPC)

Southern Standards Building Code (SSBC)

Underwriters' Laboratories, Inc. (UL)

United States of America Standards Institute (USASI)

Regulations of Florida Industrial Commission Regarding Safety

All local, state, county, or municipal building codes requirements of the Owner's Insurance

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SECTION 01 22 50

MEASUREMENT AND PAYMENT

PART 1 GENERAL

Work under this Contract shall be paid as designated below under the appropriate items associated with the Bid Schedule. Payment shall be in accordance with Lump Sum or Unit Price bid by the Contractor in his proposal.

When Lump Sum prices are contained in the Bid Schedule, the Contractor shall provide a detailed schedule of values for Lump Sum cost acceptable to the Engineer of Record and the County, which will be used for estimating partial payment requests.

Contractual costs for work not specifically mentioned under a payment item and which are incidental to the overall conduct of the work shall be included in the individual items at the Contractor's option. No additional charges shall be made to the County for items not specifically mentioned under individual payment items. Examples of these types of costs include, but are not limited to, the following: bonds, insurance, permits, licenses, traffic control, dust control, clean-up, temporary access, temporary facilities, soil erosion control, temporary drainage, temporary offices, restoration of disturbed areas, temporary utilities, test pits locating existing utilities, temporary water and sewer, surveying, layout, and other items similar to above.

Measurement and payment for items shall be in accordance with the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, **FY 2024-25** and Edition with the exception that reduction in the FDOT acceptance criteria based on payment factors will not be allowed.

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SECTION 01 31 19

PROJECT MEETINGS

1.01 PRECONSTRUCTION CONFERENCE

A. A preconstruction conference will be scheduled after award of contract and prior to beginning work. This meeting shall be attended by Engineer of Record, the County, and an authorized representative of Contractor.

B. Meeting will consider matters of contract administration and initial construction operations.

C. Contractor shall submit proposed construction schedule prior to or at preconstruction conference; see Section 01 33 00.

1.02 PROGRESS MEETINGS

A. Periodic progress meetings will be held at a time and place mutually agreed upon at preconstruction conference. A responsible representative of Contractor who can bind Contractor/subcontractor to decisions shall attend. A responsible representative of other subcontractors working on site shall also attend.

B. Meetings will be held to coordinate and expedite progress of work and shall be conducted by Contractor. Contractor and each subcontractor on site shall submit a written report at each meeting indicating:

1. Work progress since last meeting.
2. Upcoming work sequences and schedules.
3. Requests for information.

C. Contractor shall record meeting minutes and shall distribute a written summary of items discussed to all parties involved in the project within 48 hours of each meeting. The written summary shall document all issues discussed and decisions reached at progress meeting.

1.03 PRE-PAVEMENT MEETING

A. Requirement:
A mandatory pre-pavement meeting shall be held prior to the commencement of any paving operations under this contract. The purpose of this meeting is to review the Contractor's paving plan, coordinate with affected stakeholders, and ensure compliance with the project specifications, schedule, and traffic control requirements.

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B. Attendance:

The meeting shall be attended by the Contractor's project manager, paving superintendent, quality control personnel, and representatives from the Owner (or designated Engineer), as well as any relevant subcontractors, utility representatives, or local agency officials as determined by the Owner. Failure of the Contractor's required representatives to attend may result in postponement of paving activities at no additional cost to the Owner.

C. Timing and Notice:

The pre-pavement meeting shall be scheduled no less than seven (7) calendar days prior to the planned start of paving operations, unless otherwise approved by the Owner in writing. The Contractor shall submit a written request to schedule the meeting to the Owner's designated representative at least ten (10) calendar days in advance, including a proposed agenda and paving schedule.

D. Agenda:

The meeting shall address, at a minimum, the following items:

Review of the Contractor's proposed paving sequence, schedule, and equipment.

Confirmation of pavement material specifications and mix design approvals.

Coordination of traffic control measures and public notifications in accordance with the approved Traffic Control Plan.

Verification of preparatory work completion (e.g., base course inspection, utility adjustments).

Discussion of quality control and testing procedures per [insert applicable specification, e.g., FDOT Standard Specifications Section 330].

Identification of potential conflicts or site-specific conditions affecting paving operations.

Establishment of communication protocols during paving activities.

E. Documentation:

The Contractor shall submit a paving plan no later than five (5) calendar days prior to the pre-pavement meeting, detailing the proposed methods, materials, and timeline. Minutes of the meeting, including a list of attendees and action items, shall be prepared by the Contractor and submitted to the Owner within three (3) calendar days following the meeting for approval.

F. Condition Precedent:

No paving work shall commence until the pre-pavement meeting has been conducted and all action items assigned during the meeting have been resolved to the satisfaction of the Owner. Any delay resulting from the Contractor's failure to comply with this requirement shall not entitle the Contractor to an extension of time or additional compensation.

G. Non-Compliance:

Should the Contractor proceed with paving operations without conducting the required pre-pavement meeting, the Owner reserves the right to suspend work until compliance is achieved. Any costs or delays arising from such suspension shall be borne solely by the Contractor.

H. Paving Operations

The paving operations portion of the project shall not begin until the Owner provides written approval. Such approval shall be given at the Owner's sole discretion, based on their evaluation of the project's readiness and any other factors deemed relevant by the Owner. The Contractor shall coordinate with the Owner to ensure all prerequisites for paving are met prior to seeking approval.

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SECTION 01 33 00

SUBMITTAL PROCEDURES

1.01 SUMMARY

A. Submit items to Engineer of Record for review as listed below and as required by the other Contract Documents. Refer to individual specification sections, General Conditions, Supplementary Conditions, and sections of Division 01 - General Requirements for submittal requirements.

1.02 CONSTRUCTION SCHEDULE

A. Prior to or at preconstruction conference, submit two copies of a proposed schedule of operations. Coordinate activities of the various trades for orderly completion of the work. Coordinate activities with those of the County to schedule a minimum of temporary disruptions to continuing operations. Allow ample time for the County to alter operations as required.

B. After acceptance of construction schedule, distribute copies to subcontractors and other parties required to comply with scheduled dates.

C. When revisions to schedule are made, notify all parties of changes in writing.

1.03 SCHEDULE OF SUBMITTALS

A. Within 10 days of acceptance of construction schedule, submit two copies of a schedule of submittals. Schedule shall list anticipated date for each required submittal and shall allow A/E reasonable time for reviews. Submit all submittals requiring Engineer of Record review within 30 days of acceptance of construction schedule.

B. After acceptance of schedule of submittals, distribute copies to subcontractors and other parties required to comply with submittal dates.

1.04 SHOP DRAWINGS

A. Required shop drawings are designated under the various specification sections. Submit shop drawings for review prior to fabrication, delivery, or installation. Submit a minimum of five copies; two copies will be retained and the remainder returned to Contractor who shall keep one copy at project site.

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B. Fabrication and erection drawings may consist of a reproducible and two sets of prints; the reproducible copy will be returned to Contractor.

C. Each brochure of shop drawings shall contain an index of contents and shall consist of layout details, schedules, setting instructions, manufacturer's literature, and other data specifically prepared for the work. Shop drawings shall be identified with project name, numbered consecutively, and bear the stamp of approval of Contractor as evidence of accuracy, compatibility, and conformance with contract requirements. Drawings not so stamped will be returned without being examined.

D. Specific written notice shall be given of each variation that shop drawings may have from requirements of the Contract Documents.

E. Partial submittals will not be considered; each portion of work shall be complete in one submittal.

F. Shop drawings shall not be used in the work unless they have been reviewed and bear the stamp and signature of Engineer of Record. Shop drawings will only be reviewed for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Contractor shall be responsible for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating his or her work with that of all other trades, and performing all work in a safe and satisfactory manner. Corrections or comments made on shop drawings shall not relieve Contractor from compliance with requirements of Drawings and Specifications and shall not be considered an order for extra work.

G. If information on previously reviewed shop drawings is altered, submit changes for review.

1.05 PRODUCT DATA

A. Required product data submittals are designated under the various specification sections. Submit product data for review in accordance with procedures for shop drawings.

B. Product data shall consist of manufacturer's literature, illustrations, and brochures of catalog cuts; instructions for handling, storage, and installation; and specifications and design data. Where multiple options are indicated, identify specific options as required for this project.

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C. Products subject to product data review shall not be used in the work until they have been reviewed and bear the stamp and signature of Engineer of Record.

1.06 SAMPLES

A. Prior to fabrication, delivery, or installation, submit samples as designated in the various specification sections; allow reasonable time for review and testing.

B. Submit samples in sufficient quantity and of adequate size to show quality, type, and extremes of color range, finish, and texture. Submit a minimum of two sets of appearance and color samples. Label each sample stating material, description, project name, and Contractor's name. Expedite submittal of appearance and color samples following Notice to Proceed.

C. Submit samples with transmittal letter requesting review; prepay transportation charges Samples shall become the County's property, unless otherwise designated.

D. Samples will be reviewed for acceptability or selection of color, pattern, and texture only Compliance with specifications is the responsibility of Contractor.

E. Order no materials subject to sample review until receipt of written notice of completion of review. Installed materials shall match reviewed samples. No review of samples shall be taken in itself to change contract requirements.

1.07 CERTIFICATES OF COMPLIANCE

A. Submit two copies of certificates of compliance as designated in the various specification sections.

B. Certificates shall be furnished by manufacturer, producer, or supplier of material or product and shall indicate that material or product conforms to or exceeds specified requirements. Include supporting reference data as appropriate. Certificates may be recent or previous test results on material or product but must be acceptable to Engineer of Record.

1.08 PERMITS AND APPROVALS

A. Submit one copy of permits, code inspections, and agency approval documents, as designated in the various specification sections.

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1.09 TEST REPORTS

A. Submit two copies of test reports as designated in the various technical specifications.

1.10 PROJECT RECORD DOCUMENTS

A. Keep a current set of documents at job site that are marked to show all changes made during construction. Dimension underground and concealed work and utilities from permanent reference points; record vertical distances. Submit project record documents upon completion of Work.

1.11 RED-LINE AS-BUILT PLAN MARKUPS

A. The Contractor shall submit updated red-line as-built plan markups reflecting all completed work as part of each progress payment application. These markups shall clearly indicate any changes, additions, or deviations from the original plans and must be accurate, legible, and up to date as of the payment application date. The Owner reserves the right to withhold progress payment if red-line as-built plan markups are not provided or are deemed incomplete or insufficient.

B. **Submission Requirement**:
The Contractor shall maintain accurate red-line as-built drawings reflecting all changes, modifications, and actual conditions encountered during construction. These red-line as-built drawings shall be updated continuously throughout the project and submitted with each payment application to document progress and deviations from the original contract drawings. Prior month's red-lines should be finalized as "as-builted" each subsequent submission from there forward.

C. **Content and Format**:
Red-line as-built drawings shall be marked in red ink or digitally annotated to clearly indicate all field changes, including but not limited to alterations in alignment, materials, dimensions, and utility locations. The drawings shall comply with the requirements outlined in [JEA Water and Wastewater Standard Manual Section 501, or applicable section], including the provision of as-built submittal tables where required.

D. **Timing and Review**:
With each payment application, the Contractor shall submit one (1) set of current red-line as-built drawings to the Owner's designated representative. Payment applications will not be processed until the accompanying red-line as-built drawings are received and deemed satisfactory by the Owner, ensuring they accurately reflect the work completed to date.

E. **Purpose**:
Submission of red-line as-built drawings with payment applications is intended to facilitate ongoing verification of work performed, support accurate progress billing, and ensure that final as-built drawings submitted upon project completion are consistent with field conditions documented throughout construction.

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F. **Non-Compliance**:
Failure to submit updated red-line as-built drawings with a payment application may result in the application being returned as incomplete, delaying payment until compliance is achieved. No additional compensation or time extensions will be granted for delays caused by non-compliance with this requirement.

1.12 SUBMISSION OF FINAL AS-BUILT DRAWINGS

The Contractor shall submit finalized as-built drawings to the Owner within two (2) weeks of the issuance of the Certificate of Final Completion. These drawings shall accurately reflect all field changes, deviations, and additions made during construction and shall be certified as accurate by the Contractor in accordance with the Nassau County As-Built Requirement Checklist. Failure to provide the as-built drawings within the specified timeframe may result in the withholding of final payment or other remedies as determined by the Owner.

1.13 REVISED BASELINE SCHEDULE

A. Provide an updated baseline schedule reflecting current progress, adjustments to the critical path, and any approved changes to the original project timeline.

B. The schedule shall be submitted in a format consistent with the approved baseline schedule (e.g., Critical Path Method [CPM]), detailing completed activities, remaining work, percentage completion, and any revisions due to delays, accelerations, or scope changes. The revised schedule shall include a narrative explaining variances from the previous submission.

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SECTION 01 41 23

PERMITS AND FEES

PART 1 - GENERAL

1.01 DESCRIPTION

A. County Responsibilities: The County has obtained the following permits, included in appendix:

- St. Johns River Water Management District (SJRWMD)

B. Contractor responsibilities: Obtain and pay for all other permits and licenses required by authorities having jurisdiction, including but not limited to: land clearing permit, NPDES Notice of Intent and dewatering permit.

C. Contractor shall be responsible to adhere to all provisions, requirements, and cost contained in all permits applicable to this project.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

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SECTION 01 45 00

QUALITY CONTROL

PART 1 GENERAL

1.01 CONTRACTOR QUALITY CONTROL PLAN

The Contractor is responsible for his own quality control and must comply with FDOT Specifications Section 105 Contractor Quality Control General Requirements. Nassau County will act as the Department in all issues relating to Quality Control.

1.02 SECTION INCLUDES

Certification and testing, examination by the County, quality assurance testing, and final approval or work.

1.03 CERTIFICATION AND TESTING

The materials and equipment used in the construction of the project shall be subject to adequate certification and testing in accordance with generally accepted standards, as required and defined in the Contract Documents.

1.04 CONTRACTOR TO PROVIDE

The Contractor shall provide all tools, testing apparatus, materials to be tested, and labor as necessary to provide certification required by the Contract Documents.

1.05 OUTSIDE AGENCY

If the Contract Documents, laws, ordinances, rules, regulation or orders of any public authority having jurisdiction require any work to be certified, tested, or approved by someone other than the County, the Contractor will give the Engineer of Record timely notice of readiness. The Contractor will then furnish the County the required certification and/or testing certificates for approval.

1.06 LIMIT OF APPROVALS

Certifications, tests, or approvals by the County, Engineer of Record, or others shall not relieve the Contractor from his obligations to perform the work in accordance with the requirements of the Contract Documents.

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1.07 ACCESS TO WORK SITE

The County and his representative will at all times have access to the work. In addition, authorized representatives and agents of any participating federal or state agency shall be permitted access to all work, materials, payrolls, records of personnel, invoices of materials, and other relevant data and records. The Contractor will provide proper facilities for such access and observation of the work.

PART 2 EXAMINATION BY THE COUNTY

2.01 ACCESS

The County contemplates and the Contractor agrees to thorough examination of the work at all times by the County and the Engineer of Record, including all labor performed and materials furnished, delivered, or intended to be used in the work, including manufacture, preparation, and testing. The Contractor shall not use any material which has not been tested and accepted. The Contractor shall keep the Engineer of Record advised of the progress of the work away from the site requiring certification of witnessing of tests to ensure that scheduling conflicts or delays do not develop.

2.02 ACCEPTANCE TESTS

Tests, or acceptance of any materials prior to shipment, shall not be deemed as a final acceptance of the materials. The County may require tests or analysis of any portion of the materials at any time. Any material which is found to be defective, or which does not otherwise conform to the requirements of the specifications shall be rejected and removed forthwith from the site, as provided in the contract.

2.03 RIGHT TO EXAMINE WORK

The County and the Engineer of Record shall have the right to examine all materials and work done during any phase of construction, fabrication, or manufacture. The Contractor shall furnish all reasonable facilities and aid to the Engineer of Record and safe and convenient means for the examination of any part of the work. No work shall be closed or covered until it has been duly examined and approved.

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PART 3 QUALITY ASSURANCE TESTING

3.01 DESCRIPTION

The Contractor is required to provide all testing as described in these specifications. Testing shall be completed by an independent testing laboratory retained by the Contractor and approved by the Engineer of Record. The Contractor is required to submit independent testing laboratory qualifications. Certifications, tests, or approvals by the County, Engineer of Record, or others shall not relieve the Contractor from his obligations to perform the Work in accordance with the requirements of the Contract Documents.

3.02 CODES AND REGULATIONS TESTING

Testing will be in accordance with all pertinent codes and regulations and with selected standards of the American Society of Testing and Materials. The Engineer of Record shall process and distribute all required copies of test reports and related instruction to ensure all necessary retesting and/or replacement of materials with the least possible delay in progress of work.

3.03 RETESTING

When initial quality assurance tests indicate noncompliance with the Contract Documents, all subsequent retesting occasioned by the noncompliance shall be performed by the same testing laboratory and the costs thereof shall be borne by the Contractor.

3.04 COOPERATION WITH THE COUNTY'S TESTING LABORATORY

The County may perform any additional tests that he may deem necessary at his own expense. Representatives of the County's testing laboratory shall have access to the work at all times. The Contractor shall provide facilities for such access in order that the laboratory may properly perform its functions.

3.05 ADDITIONAL TESTING

If the County orders sampling, analysis, or tests of materials which are specified to be accepted on certification by the manufacturer, but which appear defective or not conforming to the requirements of the specifications, the Contractor shall bear all the costs of sampling, transportation, tests, and analyses if the material is in fact found defective or does not conform to the specifications. If the material is found to be sound and conforming to the specifications, the County will pay for the testing.

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PART 4 FINAL APPROVAL

4.01 FINAL APPROVAL

Final approval of the Work shall be made by the County and the Engineer of Record shall be contingent upon the findings of a thorough examination of the Work. Such examination shall be made within ten (10) working days after receipt of the Contractor's written request. The Work will be accepted and deemed completed as of the date of such examination if, upon such examination, the Engineer of Record and the County find that no further Work remains to be done at the site. If the examination reveals items of Work still to be performed, the Contractor shall promptly perform them and request a re-examination. If upon any reinspection the Engineer of Record and the County determine that the Work is complete, the date of completion shall be deemed to be the actual date of such re- examination.

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SECTION 01 50 00

TEMPORARY FACILITIES AND CONTROLS

1.01 TEMPORARY ELECTRICITY

A. Contractor shall provide temporary electric service and distribution facilities as required for its own construction purposes. Provide portable power supply or make arrangements with local utility company for temporary service including service poles, driven ground, main service switch, transformer, and metering facilities. Pay for electrical energy consumed.

1.02 TEMPORARY LIGHTING

A. Contractor shall provide temporary lighting sufficient to enable its workers to complete work and to enable inspectors to check work, as required.

1.03 TEMPORARY WATER

A. Contractor shall be responsible for obtaining water for its needs. Pay cost of water used and meter rental, if applicable.

1.04 TEMPORARY SANITARY FACILITIES

A. Contractor shall provide temporary outside toilets sufficient for its own workers.

1.05 TEMPORARY FIRE PROTECTION

A. Contractor shall provide fire extinguishers and other fire protection equipment for all possible classes and types of fire.

1.06 PROTECTION OF WORK AND PROPERTY

A. Observe safety provisions of applicable laws and regulations.

B. Erect and maintain all required planking, barricades, guardrails, fences, safety lanterns, and temporary walkways of sufficient size, strength, and type necessary for protection of material storage, adjacent property, and new construction, as well as to prevent accidents to public and workers at job site.

C. Notify the County if existing property interferes with work so that arrangements for proper protection can be made.

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D. Protect all work, materials, apparatus, and fixtures incorporated in work or stored on site against damage. At end of day, cover all new work likely to be damaged.

E. Protect all finished construction until acceptance by the County. Repair damage to finished work to satisfaction of the County.

1.07 ENVIRONMENTAL CONTROLS

A. Maintain erosion control measures to protect the project site and prevent sediment pollution of adjacent water courses and properties.

1. Install erosion control measures prior to start of construction and maintain them until final completion of work. Unless otherwise instructed, remove temporary erosion control measures prior to final application for payment.

2. Strive to limit stripping of sod and vegetation to a period that will expose bare soil to the least possibility of erosion that construction requirements allow.

3. Construct and maintain silt fence barriers, erosion bale barriers, or temporary diversions to receive runoff leaving site.

4. Protect storm drain inlets by using silt fence barriers, erosion bale barriers, or equivalent.

5. Remove at the end of each workday soils and sediment reaching public or private streets not part of the construction site.

6. Unless otherwise shown or specified, erosion control measures shall comply with the planning, design, and maintenance provisions of **Section 104** of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, **FY 2024-25** Edition.

B. Provide controls to confine dust and dirt within project area. Thoroughly soak masonry and debris during demolition and loading operations. Water exposed soils or aggregates as required to prevent windblown dust.

C. Provide noise control measures to limit the amount of noise and prevent nuisance. Properly equip all equipment with mufflers. Limit construction activities generating significant noise to normal working hours.

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1.08 TRAFFIC CONTROL

A. Conduct operations to ensure minimum interference with streets, driveways, walks, and adjacent facilities not part of construction project.

B. Do not close or obstruct streets, walks, or other occupied or used facilities without permission from authorities having jurisdiction. Provide alternate routes around closed or obstructed traffic ways if required by governing regulations.

1.09 CONSTRUCTION CLEANING

A. Remove rubbish and debris from work area promptly upon its accumulation. Perform a broom cleaning of all appropriate surfaces weekly.

B. Immediately clean up spillages of oil, grease, or other liquids which could cause a slippery or otherwise hazardous situation or stain a finished surface.

C. Form or scrap lumber shall have all nails withdrawn or bent over and shall be stacked, placed in trash bins, or removed from site.

D. At completion of project, thoroughly clean, sweep, and wash work to remove foreign matter, spots, and soil from work and equipment under this contract. Remove temporary guards and protective coatings.

1.10 DISPOSAL

A. Provide industrial type waste containers in number and size required or provide other acceptable methods of disposing of debris. Place containers at adequate locations to handle debris and have them emptied as required.

B. No burning of rubbish or debris will be allowed at site.

C. Store combustible waste in fire-resistive containers. Store hazardous wastes, such as caustics, acids, and harmful dusts, in appropriate covered containers. Dispose of wastes regularly.

D. If a contractor does not remove rubbish or clean work as specified above, the County reserves right to have work done by others at Contractor's expense.

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SECTION 01 55 26

TRAFFIC CONTROL

PART 1 - GENERAL

1.01 DESCRIPTION

A. This Section covers procedures for developing and implementing traffic control and regulation measures and maintenance of traffic in and around the construction area to provide for safe and efficient protection and movement of vehicular and pedestrian traffic/through and adjacent to the construction site areas.

1.02 REFERENCE STANDARDS

A. **General**

1. Codes, specifications, and standards referred to by number or title shall form a part of this Specification to the extent required by the reference thereto. Latest revisions shall apply, unless otherwise shown or specified.

B. **Florida Department of Transportation (FDOT) Standards:**

1. USDOT Manual on Uniform Traffic Control Devices.

2. FDOT Manual of Traffic Control and Safe Practices for Street and Highway Construction, Maintenance and Utility Operations.

3. FDOT Standard Specifications for Road and Bridge Construction, **FY 2024-25** Edition.

1.03 SUBMITTALS

A. Before closing or restricting traffic flow through any thoroughfare, the Contractor shall give written notice to and, if necessary, obtain a permit or permits from the duly constituted public authority having jurisdiction over the thoroughfare. Contractor shall also notify the applicable law enforcement, fire, and emergency services having jurisdiction in the area. Notice shall be given no less than seventy- two (72) hours in advance of the time when it may be

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necessary in the process of construction to close or restrict traffic to such thoroughfare, or as may be otherwise required by the governing authority.

B. For any road or lane closures on this project, Contractor shall refer to the Nassau County Road Closure Policy and contact Nassau County Engineering Services Department at (904) 491-7330.

1.04 SITE CONDITIONS

A. The Contractor shall plan construction operations such that existing local traffic access can be maintained and shall be maintained during the construction using such barricades, lights, flagmen, and other protective devices as appropriate, whether specified for the project or required by the local governing authority. Traffic control devices and implementation used for maintenance of traffic shall comply with the FDOT Manuals.

B. The Contractor shall conduct his work in such manner as not to unduly or unnecessarily restrict or impede normal traffic through the streets of the community. Insofar as it is practicable, excavated material and spoil banks shall not be located in such manner as to obstruct traffic. The traveled way of all roads shall be kept clear and unobstructed insofar as is possible and shall not be used for the storage of construction materials, equipment, supplies, or excavated earth, except when and where necessary. If required by duly constituted public authority, the Contractor shall, at his own expense, construct bridges or other temporary crossing structures over trenches so as not to unduly restrict traffic. Such structures shall be of adequate strength and proper construction and shall be maintained by the Contractor in such manner as not to constitute an undue traffic hazard. Private driveways shall not be closed except when and where necessary, and then only upon due advance notice to the County, property owner and applicable jurisdictional authority, and shall be for the shortest practicable period of time consistent with efficient and expeditious construction. The Contractor shall be liable for any damages to persons or property resulting from his work.

C. The Contractor shall make provisions at cross streets for the free passage of vehicles and foot passengers, either by bridging or otherwise, and shall not obstruct the swales nor prevent in any manner the flow of water in the swales, but shall use all proper and necessary means to permit the free passage of surface water in the swales. The Contractor shall immediately cart away all offensive matter, exercising such precaution as may be directed by the County or applicable jurisdictional authority. All material excavated shall be so disposed of as to inconvenience the public and adjacent tenants as little as possible and to prevent injury to trees, sidewalks, fences, and adjacent property of all kinds. The Contractor may be required to erect suitable barriers to

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prevent such inconvenience or injury.

D. Unless otherwise required by the governing authority, maintenance of traffic in and around the construction zone shall conform to Section 102 of the FDOT Specification, and 600 Series Roadway Design Standards drawings of the FDOT Standards, as applicable.

PART 2 - **PRODUCTS** (NOT USED)

PART 3 - **EXECUTION** (NOT USED)

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SECTION 01 60 00

PRODUCT REQUIREMENTS

1.01 PRODUCTS

A. Provide new, high quality products manufactured and conditioned for the particular application as recommended by manufacturer, unless otherwise noted. Transport, handle, store, and protect products as specified and in accordance with manufacturer's recommendations.

1.02 MANUFACTURER'S DIRECTIONS

A. Wherever work is to be performed or products are to be installed in accordance with manufacturer's instructions, furnish copies of printed instructions before installation.

1.03 SOURCE OF PRODUCTS

A. In order that ready availability of materials, parts, or components for repair, replacement, or expansion can be assured, original equipment and components shall be obtained where feasible from domestic sources which maintain a regular stock.

1.04 ACCEPTABLE MANUFACTURERS

A. Products, materials, and equipment identified by reference to a manufacturer's name, catalog number, or model are identified for the purpose of establishing a standard of quality, type, and function. Products first named in specifications are depicted for general descriptive purposes only. Any other product, material, or equipment which will perform adequately the duties imposed by the general design will be considered for substitution in accordance with the provisions below.

1.05 OPTIONS AND CHANGES

A. Wherever options consisting of two or more choices are permitted for any product, procedure, or method, Contractor may select any of the name alternatives.

B. Changes and revisions to Contract Documents may be made by Change Order, Field Order, or other procedure authorized under the Contract Documents.

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C. All other revisions not defined as options or changes shall be treated as Substitutions. (Options and changes will not be treated as Substitutions.)

1.06 BID PHASE SUBSTITUTIONS

A. Substitutions and alternatives proposed prior to the Bid Deadline shall be submitted in accordance with the Instructions to Bidders.

1.07 CONSTRUCTION PHASE SUBSTITUTIONS

A. Substitutions proposed after Contract has been awarded shall be submitted for approval prior to their use. Consideration will be given only to proposed substitutions for those products named in the Contract Documents which are no longer available or cannot be provided within the Contract Time, or where standard products are no longer in conformance, or where the County's interests may be adversely affected.

B. If substitutions are approved, Contractor assumes responsibility for any other changes in systems or for modifications required in other work to accommodate the substitution, regardless of approval of the substitution.

C. Requests for substitution of alternate products shall be submitted with complete references to manufacturer's product identification and product data indicating composition, guarantee, availability, applicable standards or agency approvals met or exceeded, restrictions imposed on product, and manufacturer's recommended method of application or installation. Substitutions will be considered acceptable if the product will perform adequately the duties imposed by the general design and, in opinion of Engineer of Record, is of equal substance, quality, appearance, and function, unless the named item is necessary for interchangeability or if the named product has been demonstrated to be most cost-effective.

1.08 DEFECTIVE PRODUCTS

A. All products which do not conform to specified requirements shall be considered defective and shall be removed from the Work. If in place, faulty materials shall be corrected or replaced to meet specified requirements.

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1.09 TRANSPORTATION AND HANDLING

A. Products shall be transported and handled in accordance with the Contract Documents and as defined below. Deliver in original packaging with manufacturer's brand, seals, and labels intact. Refer to individual sections of specifications for specific requirements.

B. Arrange for product transportation as required for construction. Select means of transportation which will reasonably assure timely and safe arrival. Products shall be suitable for intended use upon arrival at project and shall be undamaged and free from defects.

C. Select appropriate methods for handling products to preserve their integrity, quality, and function.

1.10 MATERIAL PROTECTION

A. Protect materials in accordance with Section 01 50 00, specific requirements of individual sections of specifications, and according to manufacturer's recommendations.

B. Provide and maintain watertight storage sheds with raised floors for storage of products that might be damaged by weather. Cement, lime, and other materials affected by moisture shall be stored on platforms.

1.11 STORAGE

A. Confine storage of products to limits designated by the County. Do not bring products to site until needed for progress of work. Storage of products within buildings shall not exceed design capacity of structural system.

B. The County assumes no responsibility for products stored on site. Contractor shall assume full responsibility for damage to stored products, except as covered by property insurance for the work under construction (see General and Supplementary Conditions).

C. Contractor shall allot space to subcontractors for storage of products and erection of offices and tool sheds. Locate storage buildings, temporary sheds, and stockpiles to avoid interference with new and existing facilities; move sheds, storage platforms, and materials as necessary.

D. Upon completion, restore areas disturbed by construction.

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SECTION 01 71 23

FIELD ENGINEERING

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Provide field engineering service for project as indicated on Drawings and specified in this Section.

1.02 QUALIFICATIONS OF SURVEYOR OR ENGINEER

A. Florida Registered Engineer or Land Surveyor.

1.03 SURVEY REFERENCE POINTS

A. Existing basic horizontal and vertical control points are designated on Drawings. All elevations are based on the benchmarks shown on the plans. Establish all vertical and horizontal controls required for construction.

B. Locate and protect control points prior to starting site work and preserve permanent reference points during construction.

1. Make no changes or relocations of such points without prior written notice to Engineer of Record and the County.

2. Report to Engineer of Record and the County when any reference point is lost or destroyed, or requires relocation because of necessary changes in grades or locations.

3. Require surveyor to replace control points which may be lost or destroyed. Establish replacements based on original survey control.

4. Engineer of Record will identify existing control points and properly line corner stakes indicated on Drawings, as required.

5. Elevations are based on the National Geodetic Vertical Datum of1988.

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1.04 PROJECT SURVEY REQUIREMENTS

A. Establish a minimum of two (2) permanent benchmarks on the project site, all referenced to data established by survey control points. Record locations, with horizontal and vertical data, on Project Record Documents.

B. Establish lines and levels, locate and lay out, by instrument and similar appropriate means.

1. Site improvements.

2. Controlling lines and levels required for mechanical and electrical trades.

C. Verify layouts by same methods from time to time.

1.05 RECORDS

A. Maintain a complete, accurate log of control and survey work as it progresses.

B. On completion of foundations and major site improvements, prepare a certified as- built survey showing finished dimensions, locations, angles and elevations of construction.

C. Refer to Nassau County's As-Built Checklist.

1.06 SUBMITTALS

A. Submit name and address of surveyor or professional engineer to Engineer of Record and the County.

B. On request of Engineer of Record and the County, submit documentation to verify accuracy of field survey.

C. Submit certificate signed and sealed by a State of Florida Registered Engineer or Land Surveyor certifying that elevations and locations of improvements are in conformance with Contract Documents.

PART 2 - PRODUCTS (NOT USED)
PART 3 - EXECUTION (NOT USED)

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SECTION 01 77 00

CLOSEOUT PROCEDURES

1.01 SUMMARY

A. Complete closeout procedures and final submissions as listed below and as required by the other Contract Documents. Refer to General Conditions regarding Substantial Completion, Final Completion, and Final Payment.

1.02 FACILITY START-UP

A. Submit test reports before requesting certification of Substantial Completion.

1.03 SUBSTANTIAL COMPLETION

A. Contractor shall notify Engineer of Record when it considers the Work (or a portion of the Work which the County agrees to accept separately) to be substantially complete. Contractor's notice shall include a comprehensive list of items to be completed or corrected prior to final payment.

B. Upon receipt of Contractor's list, Engineer of Record, the County, and Contractor shall make an inspection to verify that the Work is substantially complete.

1. If the County considers the Work to be substantially complete, the County will issue a Certificate of Substantial Completion along with a “Construction Acceptance Checklist” of items to be completed or corrected prior to Final Payment. Items on punch list shall be completed within 60 days. Required submittals (see below) shall be completed prior to or when requesting Final Payment.

2. If the County does not consider the work to be substantially complete, the County will inform Contractor of items that need to be completed or corrected before Substantial Completion. Contractor shall promptly complete these items and request a reinspection by the County.

1.04 FURNISHED PRODUCTS AND LOANED TOOLS

A. Prior to Final Payment, return all extra materials, unused parts, and equipment furnished by the County; return loaned tools and equipment.

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1.05 FINAL COMPLETION

A. Contractor shall notify Engineer of Record and the County when it considers all Work to be complete. Engineer of Record, the County, and Contractor shall make an inspection to verify that the Work is complete.

1. If the County considers the Work to be complete, Contractor shall submit final Application for Payment.

2. If the County does not consider the Work to be complete, the County will inform Contractor of items that need to be completed or corrected before completion. Contractor shall promptly complete these items and request a reinspection by the County.

B. Prime Contractor is responsible for reviewing all Construction Acceptance Checklist items and verifying that each item is complete before requesting final inspection.

1.06 CHARGES FOR REINSPECTIONS

A. The County will inspect the Work (or a portion of the Work which the County agrees to accept separately) at Substantial Completion and at Final Completion. If the Work is not complete to the required level at either Substantial Completion or Final Completion, and a reinspection is required, Contractor shall reimburse the County for charges of the County and the County's consultants for performing the reinspection.

1.07 SUBMITTALS

A. Submittals required before Contract Closeout are listed below:

1. Contractor Lien Waiver
2. Subcontractor Lien Waiver
3. Consent of Surety to Final Payment
4. Compliance with all permits and other governmental agencies
5. Certification of Inspections "Certification Package"
6. Warranties and Bonds
7. As-Built Drawings
8. Operation and Maintenance Manuals
9. All other documents as required in the Contract Documents

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NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS
Procurement Department
96135 Nassau Place, Suite 2
Yulee, Florida 32097
Ph: 904-530-6040

TO: All Prospective Bidders

FROM: Evelyn J. Burton, Sr. Procurement Specialist

SUBJECT: Addendum No. 1
Solicitation Number NC25-012-ITB
RESURFACING AND SAFETY IMPROVEMENTS CR121 FROM DUVAL COUNTY LINE TO CR119

DATE: April 29, 2025

This addendum is hereby incorporated into the solicitation documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to, and shall take precedence over, the original documents.

Questions

1. Is there an Engineer's estimate for this project?

   Response: The Engineer's opinion of probable construction cost is $18,980,000.00

2. Please provide the Engineer's estimate of County's budget amount.

   Response: The Engineer's opinion of probable construction cost is $18,980,000.00

3. Please provide FDOT prequalified work categories required to bid this project.

   Response: All FDOT pre-qualifications necessary to complete the work are described in Section 00 11 10 of NC25-012-ITB. Once bids are opened and evaluated, they will be provided to FDOT for deference and concurrence of qualifications.

4. Is there a specific liquidated damage per day amount for this contract? It is not stated in the agreement per bid form paragraph 6.01

   Response:
   a. Substantial Completion: Contractor shall pay Owner $7,442 for each day that expires after the time (as duly adjusted pursuant to the Contract) specified for Substantial Completion, until the Work is substantially complete.

   b. Completion of Remaining Work: After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times (as

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duly adjusted pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Owner $7,442 for each day that expires after such time until the Work is completed and ready for final payment.

5. Plan sheet 3 indicates a bid alternate A but line items in electronic bid submission through PlanetBids does not include alternate A. Please clarify.

   Response: Bid Alternate A has been provided and line items amended in PlanetBids. (See attached Revised Appendix M Line Item Price Sheet)

6. Plan sheet 3 includes mostly whole number quantities with a few exceptions for pavement marking by the gross mile which is normal per FDOT but planet bid line items extend to 6 decimal places. Most bidding software only extend to 2 or 3 decimal places. Please revise PlanetBids line item quantities to match plan sheet 3.

   Response: Line item quantities have been revised in PlanetBids

7. "Required Attachments" reference a Schedule C (key Individuals and resumes, to be attached). Schedule C is not included in the proposal documents.

   Response: See attached Schedule C – Qualifications Statement

8. SECTION 00 43 15 BID BOND indicates Penal Sum in words and figures, will "Five percent and 5%" be acceptable per section 4 of Division 00

   Response: This is acceptable

ADDITIONAL INFORMATION:

Project Photo Requirements
The Contractor shall submit photographs to the Owner of work progress on a weekly basis. On a monthly basis, aerial photographs shall be taken. These photographs shall be captured on the project and be date, time and location stamped and be uploaded in ProCore. The Owner reserves the right to withhold progress payment if the required photographs are not provided or are deemed incomplete or insufficient.

CLARIFICATION regarding the submission of BONDS, the following applies:

SECTION 4.0 BID BOND *(pg. 6 of 186 in bid document)*
Bids must be accompanied by a CERTIFIED CHECK or BID BOND of a reputable bonding company authorized to do business in the State of Florida in the amount of five percent (5%) of the total amount of the Bid to guarantee that the Contractor will enter into a Contract in the

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form prescribed and will provide the required bonds for the project. **An electronic copy of the BID BOND must be included as part of the submission and the original must be sent to the County's Clerk Office by the time of the Bid Opening at the following address:**

Office of the Ex-Officio Clerk
Attn: NC25-012-ITB
76347 Veterans Way, Suite 456
Yulee, Florida 32097

ARTICLE 20 CONTRACT SECURITY *(pg. 19 of 186 in bid document)*

20.01 Article 6 of the General Conditions, as may be modified by the Supplementary Conditions, sets forth the County's requirements as to **PERFORMANCE AND PAYMENT BONDS** and insurance. When the Successful Bidder delivers the executed Agreement to the County, such Bonds must accompany it.

CLARIFICATION on Performance Bond and Payment Bond percentage:

The successful bidder shall provide an acceptable Performance Bond and Payment Bond each in the amount of **one hundred and fifteen percent (115%)** of the Contract and issued by a corporate surety licensed to do business in the State of Florida for the faithful performance of work outlined in the Technical Specifications/Scope of Work.

The solicitation due date and opening time remains: MAY 7, 2025 10:00 A.M. EST

VENDOR HEREBY ACKNOWLEDGES THIS ADDENDUM ELECTRONICALLY THROUGH PLANETBIDS BY ITS BID SUBMISSION.

ATTACHMENTS:
Revised Appendix M - Line Item Price Sheet
Schedule C – Qualifications Statement
Draft Agreement

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REVISED - APPENDIX - M - Addendum No. 1
Nassau County Bid Schedule
Line Items for Project Resurfacing and Safety Improvements (Phase 1) CR 121 From Duval County Line to CR 119 (NC25-012-ITB)
Issued on 04/04/2025
Bid Due on May 07, 2025 10:00 AM (EDT)

Item Num	Section	Item Code	Item Description	Unit of Measure	Quantity
1	Roadway Components	101-1	MOBILIZATION	LS	1
2	Roadway Components	102-1	MAINTENANCE OF TRAFFIC	LS	1
3	Roadway Components	104-10-3	SEDIMENT BARRIER	LF	72279
4	Roadway Components	110-1-1	CLEARING & GRUBBING	AC	43
5	Roadway Components	110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	SF	2300
6	Roadway Components	110-7-1	MAILBOX, F&I SINGLE	EA	98
7	Roadway Components	120-1	REGULAR EXCAVATION	CY	1174
8	Roadway Components	120-4	SUBSOIL EXCAVATION	CY	2815
9	Roadway Components	120-6	EMBANKMENT	CY	5715
10	Roadway Components	160-4	TYPE B STABILIZATION	SY	131672
11	Roadway Components	285-709	OPTIONAL BASE, BASE GROUP 09	SY	107997
12	Roadway Components	327-70-7	MILLING EXISTING ASPHALT PAVEMENT, 4" AVG DEPTH	SY	8900
13	Roadway Components	334-1-52	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG76-22	TN	9376
14	Roadway Components	337-7-81	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC B, FC-12.5, PG 76-22	TN	8995
15	Roadway Components	339-1	MISCELLANEOUS ASPHALT PAVEMENT	TN	62
16	Roadway Components	520-6	SHOULDER GUTTER- CONCRETE	LF	77
17	Roadway Components	522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	87
18	Roadway Components	536-1-1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	1219
19	Roadway Components	536-7-2	SPECIAL GUARDRAIL POST- SPECIAL STEEL POST FOR CONCRETE STRUCTURE MOUNT	EA	26
20	Roadway Components	536-73	GUARDRAIL REMOVAL	LF	868
21	Roadway Components	536-85-24	GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL	EA	12
22	Roadway Components	570-1-2	PERFORMANCE TURF, SOD	SY	74548
23	Roadway Components	N/A	MISC DRIVEWAY TIE-IN MATERIAL	SY	670
24	DRAINAGE COMPONENTS	400-4-1	CONCRETE CLASS IV, CULVERTS	CY	359
25	DRAINAGE COMPONENTS	415-1-1	REINFORCING STEEL- ROADWAY	LB	65309
26	DRAINAGE COMPONENTS	425-1-701	INLETS, GUTTER, TYPE S, <10'	EA	1
27	DRAINAGE COMPONENTS	425-2-41	MANHOLES, P-7, <10'	EA	1
28	DRAINAGE COMPONENTS	425-2-71	MANHOLES, J-7, <10'	EA	1
29	DRAINAGE COMPONENTS	430-94-1	DESILTING PIPE, 0-24"	LF	553
30	DRAINAGE COMPONENTS	430-94-2	DESILTING PIPE, 25"-36"	LF	514
31	DRAINAGE COMPONENTS	430-94-3	DESILTING PIPE, 37"-48"	LF	120
32	DRAINAGE COMPONENTS	430-175-115	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15"S/CD	LF	27
33	DRAINAGE COMPONENTS	430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	31
34	DRAINAGE COMPONENTS	430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	128
35	DRAINAGE COMPONENTS	430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	38
36	DRAINAGE COMPONENTS	430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	58
37	DRAINAGE COMPONENTS	430-536-200	STRAIGHT CONCRETE ENDWALLS, 36", DOUBLE, 0 DEGREES, ROUND	EA	2

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Nassau County Bid Schedule
Line Items for Project Resurfacing and Safety Improvements (Phase 1) CR 121 From Duval County Line to CR 119 (NC25-012-ITB) Issued on 04/04/2025
Bid Due on May 07, 2025 10:00 AM (EDT)

38	DRAINAGE COMPONENTS	430-982-123	MITERED END SECTION, OPTIONAL ROUND, 15" CD	EA	2
39	DRAINAGE COMPONENTS	430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	2
40	DRAINAGE COMPONENTS	430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	36
41	DRAINAGE COMPONENTS	430-982-133	MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA	5
42	DRAINAGE COMPONENTS	530-3-4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	150
43	DRAINAGE COMPONENTS	530-74	BEDDING STONE	TN	107
44	SIGNING AND PAVEMENT MARKING	700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	21
45	SIGNING AND PAVEMENT MARKING	700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	4
46	SIGNING AND PAVEMENT MARKING	700-1-50	SINGLE POST SIGN, RELOCATE	EA	40
47	SIGNING AND PAVEMENT MARKING	700-1-60	SINGLE POST SIGN, REMOVE	EA	9
48	SIGNING AND PAVEMENT MARKING	700-13-15	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'	EA	6
49	SIGNING AND PAVEMENT MARKING	705-10-1	OBJECT MARKER, TYPE 1	EA	3
50	SIGNING AND PAVEMENT MARKING	705-10-2	OBJECT MARKER, TYPE 2	EA	105
51	SIGNING AND PAVEMENT MARKING	705-10-3	OBJECT MARKER, TYPE 3	EA	12
52	SIGNING AND PAVEMENT MARKING	706-1-3	RAISED PAVEMENT MARKER, TYPE B	EA	9024
53	SIGNING AND PAVEMENT MARKING	711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	155
54	SIGNING AND PAVEMENT MARKING	711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	1
55	SIGNING AND PAVEMENT MARKING	711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	15
56	SIGNING AND PAVEMENT MARKING	711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	4.8
57	SIGNING AND PAVEMENT MARKING	711-16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	6.4
58	SIGNING AND PAVEMENT MARKING	710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1
59	BRANDY BRANCH PLACE PAVING	334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	56
60	BRANDY BRANCH PLACE PAVING	570-1-2	PERFORMANCE TURF, SOD	SY	2027
61	Bid Alternate A - Drainage Components	430-175-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"S/CD	LF	673
62	Bid Alternate A - Drainage Components	430-175-130	PIPE CULVERT, OPTIONAL MATERIAL, ROUND,30"S/CD	LF	183
63	Bid Alternate A - Drainage Components	430-175-136	PIPE CULVERT, OPTIONAL MATERIAL, ROUND,36"S/CD	LF	80
64	Bid Alternate A - Drainage Components	430-982-133	MITERED END SECTION,OPTIONAL ROUND,30" CD	EA	2

Schedule C—Key Individuals

SCHEDULE C - QUALIFICATIONS STATEMENT

Project Manager			
Name of individual			
Years of experience as project manager			
Years of experience with this organization			
Number of similar projects as project manager			
Number of similar projects in other positions			
Current Project Assignments			
Name of assignment		Percent of time used for this project	Estimated project completion date
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name		Name	
Title/Position		Title/Position	
Organization		Organization	
Telephone		Telephone	
Email		Email	
Project		Project	
Candidate's role on project		Candidate's role on project	
Project Superintendent			
Name of individual			
Years of experience as project superintendent			
Years of experience with this organization			
Number of similar projects as project superintendent			
Number of similar projects in other positions			
Current Project Assignments			
Name of assignment		Percent of time used for this project	Estimated project completion date
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name		Name	
Title/Position		Title/Position	
Organization		Organization	
Telephone		Telephone	
Email		Email	
Project		Project	
Candidate's role on project		Candidate's role on project	

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Safety Manager			
Name of individual			
Years of experience as project manager			
Years of experience with this organization			
Number of similar projects as project manager			
Number of similar projects in other positions			
Current Project Assignments			
Name of assignment		Percent of time used for this project	Estimated project completion date
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name		Name	
Title/Position		Title/Position	
Organization		Organization	
Telephone		Telephone	
Email		Email	
Project		Project	
Candidate's role on project		Candidate's role on project	

Quality Control Manager			
Name of individual			
Years of experience as project superintendent			
Years of experience with this organization			
Number of similar projects as project superintendent			
Number of similar projects in other positions			
Current Project Assignments			
Name of assignment		Percent of time used for this project	Estimated project completion date
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name		Name	
Title/Position		Title/Position	
Organization		Organization	
Telephone		Telephone	
Email		Email	
Project		Project	
Candidate's role on project		Candidate's role on project	

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AGREEMENT BETWEEN OWNER AND CONTRACTOR FOR CONSTRUCTION CONTRACT (STIPULATED PRICE)

This Agreement is by and between **[name of contracting entity]** ("Owner") and **[name of contracting entity]** ("Contractor").

Terms used in this Agreement have the meanings stated in the General Conditions and the Supplementary Conditions.

Owner and Contractor hereby agree as follows:

ARTICLE 1—WORK

Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows: resurfacing and safety improvements of County Road 121 from the Duval County line to County Road 119 (Phase 1).

ARTICLE 2—THE PROJECT

2.01 The Project, of which the Work under the Contract Documents is a part, is generally described as follows: resurfacing and safety improvements of County Road 121 from the Duval County line to County Road 119 (Phase 1) and includes the following:

A. Clearing and grubbing

B. Subsoil Excavation

C. Full depth reconstruction of 6.845 miles of CR 121

D. Milling and resurfacing of 0.576 miles of CR 121

E. Replace one triple-8'x6' concrete box culvert with one double-12'x6' concrete box culvert

F. Replace one double-8'x4' concrete box culvert with one the same size

G. Extend one double-8'x4' concrete box culvert on two sides

H. Replacement of guardrail

I. Installation of pavement markings

J. Shoulder grading and placement of performance turf and sod

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EJCDC® C-520, Agreement between Owner and Contractor for Construction Contract (Stipulated Price).
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ARTICLE 3—ENGINEER

3.01 The Owner has retained Kimley-Horn and Associates, Inc**.** ("Engineer") to act as Owner's representative, assume all duties and responsibilities of Engineer, and have the rights and authority assigned to Engineer in the Contract.

3.02 The part of the Project that pertains to the Work has been designed by Engineer.

ARTICLE 4—CONTRACT TIMES

4.01 *Time is of the Essence*

A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.02 *Contract Time: Days*

The Work will be substantially complete within **500** calendar days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within **45** calendar days from the date of substantial completion. Total contract time shall be **545** calendar days; for everyday the work goes beyond substantial completion; a day will be removed from final completion so the total days equal **545** calendar days.

4.03 *Liquidated Damages*

A. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial and other losses if the Work is not completed and Milestones not achieved within the Contract Times, as duly modified. The parties also recognize the delays, expense, and difficulties involved in proving, in a legal or arbitration proceeding, the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty):

1. *Substantial Completion:* Contractor shall pay Owner $**7,442** for each day that expires after the time (as duly adjusted pursuant to the Contract) specified above for Substantial Completion, until the Work is substantially complete.

2. *Completion of Remaining Work:* After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times (as duly adjusted pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Owner $**7,442** for each day that expires after such time until the Work is completed and ready for final payment.

3. Liquidated damages for failing to timely attain Milestones, Substantial Completion, and final completion are not additive, and will not be imposed concurrently.

B. If Owner recovers liquidated damages for a delay in completion by Contractor, then such liquidated damages are Owner's sole and exclusive remedy for such delay, and Owner is

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precluded from recovering any other damages, whether actual, direct, excess, or consequential, for such delay, except for special damages (if any) specified in this Agreement.

4.04 *Special Damages*

A. Contractor shall reimburse Owner (1) for any fines or penalties imposed on Owner as a direct result of the Contractor's failure to attain Substantial Completion according to the Contract Times, and (2) for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Substantial Completion (as duly adjusted pursuant to the Contract), until the Work is substantially complete.

B. After Contractor achieves Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times, Contractor shall reimburse Owner for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Work to be completed and ready for final payment (as duly adjusted pursuant to the Contract), until the Work is completed and ready for final payment.

C. The special damages imposed in this paragraph are supplemental to any liquidated damages for delayed completion established in this Agreement.

ARTICLE 5—CONTRACT PRICE

5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents, subject to adjustment under the Contract:

A. For all Work, at the prices stated in Contractor's Bid, attached hereto as an exhibit.

ARTICLE 6—PAYMENT PROCEDURES

6.01 *Submittal and Processing of Payments*

A. Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Owner as provided in the General Conditions.

6.02 *Progress Payments; Retainage*

A. Owner shall make progress payments on the basis of Contractor's Applications for Payment once each month during performance of the Work as provided in Paragraph 6.02.A.1 below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no Schedule of Values, as provided elsewhere in the Contract.

1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract.

a. 95 percent of the value of the Work completed (with the balance being retainage).

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b. 95 percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage)

6.03 *Final Payment*

A. Upon final completion and acceptance of the Work, Owner shall pay the remainder of the Contract Price in accordance with Paragraph 15.06 of the General Conditions.

6.04 *Consent of Surety*

A. Owner will not make final payment, or return or release retainage at Substantial Completion or any other time, unless Contractor submits written consent of the surety to such payment, return, or release.

6.05 *Interest*

A. All amount not paid when due will bear interest at the rate as set forth in the Local Government Prompt Payment Act as set forth in Section 218.70 et. Al. of Florida Statutes.

ARTICLE 7—CONTRACT DOCUMENTS

7.01 *Contents*

A. The Contract Documents consist of all of the following:

1. This Agreement.
2. Bonds:
   a. Performance bond (together with power of attorney).
   b. Payment bond (together with power of attorney).
3. General Conditions.
4. Supplementary Conditions.
5. Specifications as listed in the table of contents of the project manual (copy of list attached).
6. Drawings listed on the attached sheet index.
7. Addenda (numbers **[number]** to **[number]**, inclusive).
8. Contractor's Bid Response
9. Exhibits to this Agreement (enumerated as follows):
   a. [list exhibits]
10. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:
    a. Notice to Proceed.
    b. Work Change Directives.
    c. Change Orders.
    d. Field Orders.
    e. Warranty Bond, if any.

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B. The Contract Documents listed in Paragraph 7.01.A are attached to this Agreement (except as expressly noted otherwise above).

C. There are no Contract Documents other than those listed above in this Article 7.

D. The Contract Documents may only be amended, modified, or supplemented as provided in the Contract.

ARTICLE 8—REPRESENTATIONS, CERTIFICATIONS, AND STIPULATIONS

8.01 *Contractor's Representations*

A. In order to induce Owner to enter into this Contract, Contractor makes the following representations:

1. Contractor has examined and carefully studied the Contract Documents, including Addenda.

2. Contractor has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

3. Contractor is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.

4. Contractor has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.

5. Contractor has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.

6. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (c) Contractor's safety precautions and programs.

7. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.

8. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.

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9. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.

10. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

11. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

8.02 *Contractor's Certifications*

A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 8.02:

1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process or in the Contract execution;

2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;

3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and

4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

8.03 *Standard General Conditions*

A. Owner stipulates that if the General Conditions that are made a part of this Contract are EJCDC® C-700, Standard General Conditions for the Construction Contract (2018), published by the Engineers Joint Contract Documents Committee, and if Owner is the party that has furnished said General Conditions, then Owner has plainly shown all modifications to the standard wording of such published document to the Contractor, through a process such as highlighting or "track changes" (redline/strikeout), or in the Supplementary Conditions.

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IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement which shall be deemed an original on the day and year last written below, and which is the Effective Date of the Agreement.

Owner:

_____
(typed or printed name of organization)

By: _____
(individual's signature)

Date: _____
(date signed)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Attest: _____
(individual's signature)

Title: _____
(typed or printed)

Address for giving notices:

_____

_____

_____

Designated Representative:

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Address:

_____

_____

_____

Phone: _____

Email: _____

Contractor:

_____
(typed or printed name of organization)

By: _____
(individual's signature)

Date: _____
(date signed)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

*(If **[Type of Entity]** is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)*

Attest: _____
(individual's signature)

Title: _____
(typed or printed)

Address for giving notices:

_____

_____

_____

Designated Representative:

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Address:

_____

_____

_____

Phone: _____

Email: _____

License No.: _____
(where applicable)

State: _____

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NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS
Procurement Department
96135 Nassau Place, Suite 2
Yulee, Florida 32097
Ph: 904-530-6040

TO: All Prospective Bidders

FROM: Evelyn J. Burton, Sr. Procurement Specialist

SUBJECT: Addendum No. 2
Solicitation Number NC25-012-ITB
RESURFACING AND SAFETY IMPROVEMENTS CR121 FROM DUVAL COUNTY LINE TO CR119

DATE: April 30, 2025

This addendum is hereby incorporated into the solicitation documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to, and shall take precedence over, the original documents.

1. Please provide CADD files to assist with earthwork takeoff

   Response: Waiver to access CADD files is attached. See the attached form "Release of Electronic Files". Upon receipt of this document, notarized by the contractor and emailed to eburton@nassaucountyfl.com, a link will be provided for the requested files.

2. Is the Thrie Beam going across the box culverts figured as part of the Guardrail-Roadway, General TL-3?

   Response: Yes

3. Is the existing asphalt removed under clearing and grubbing to become the property of Nassau County per general note 17?

   Response: Pay Item 327-70-4 (MILLING EXISTING ASPHALT PAVEMENT, 3" AVG DEPTH) has been added to the bid. This quantity is intended to cover the milling of all reconstruction areas so that the millings can be delivered to Nassau County at 37356 Pea Farm Road, Hilliard, FL.

4. Is the existing base removed under clearing and grubbing to become the property of Nassau County per general note 22?

   Response: Existing base removed under clearing and grubbing is not required to become property of Nassau County. Contractor is to remove and lawfully dispose of all existing base removed under the clearing and grubbing pay item.

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5. Does the general note 17 “ANY ASPHALT MILLINGS FROM NASSAU COUNTY ROW SHALL BE DELIVERED TO THE ROAD DEPARTMENT LAYDOWN YARD LOCATED ON GENE LASSERRE BOULEVARD OR PEA FARM ROAD. PLEASE CONTACT THE ROAD DEPARTMENT AT (904) 530-6175.” reference asphalt removed under the milling pay item only?

   Response: General note 17 refers to any asphalt millings removed under the milling pay item (327-70-7)

6. We have been told by one of the Pavement Marking subcontractors that the audible RPMs for the edge line are no longer available as FDOT now uses ground in rumble strips. Can Nassau County please address this issue prior to bid date?

   Response: UFO RPM's have been discontinued as of February 2025. All UFO RPM's have been removed from the project. Ground-in rumble strips per FDOT Standard Plans, Index 546-020 are to be placed for all edgeline and centerline striping. Profiled Thermoplastic quantities have been added for the concrete bridge portion of the project.

7. There is no pay item in the plans for the UFO Audible Marking System called for in the Signing and Marking plans. As of February 1, 2025, this system has been discontinued for long line application. Is the intent to utilize pay item 706-1-3 for this application. If this is the intent, can you please specify which type of marker and color is to be installed?

   Response: UFO RPM's have been discontinued as of February 2025. All UFO RPM's have been removed from the project. Ground-in rumble strips per FDOT Standard Plans, Index 546-020 are to be placed for all edgeline and centerline striping. Profiled Thermoplastic quantities have been added for the concrete bridge portion of the project.

8. Are the replacement of concrete driveways paid under pay item 522-2 or pay item N/A (misc driveway tie-in material)? There are no sidewalks shown in plans.

   Response: The 5-ft apron for concrete driveways are included under pay item 522-2. Any additional concrete needed to tie to existing driveway is included in pay item N/A (misc driveway tie-in material).

9. If driveway replacement is paid under 522-2, please confirm quantity, our take off shows 140 SY

   Response: The quantity for 522-2 includes only the 6" concrete needed for the 5-ft driveway apron drawn in the plans. All other concrete material needed for tie-in to existing is included in the N/A (misc driveway tie-in material) pay item.

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10. Please confirm quantity for pay item N/A(misc driveway tie-in material). For all non-concrete driveways our takeoff is 2000SY

    Response: The quantity for N/A (misc driveway tie-in material) includes only material needed to tie from edge of the 5-ft asphalt apron to existing ground. Quantity for 5-ft asphalt driveway aprons is included in the asphalt pay items.

11. Confirm all non-concrete driveways are to be asphalt. Driveway apron note on sheet 8 conflicts with pay item N/A note on sheet 3A

    Response: The 5-ft driveway apron for all driveways not existing as concrete (includes asphalt, gravel, sod, etc) are to be asphalt. The tie-in material used beyond the 5-ft apron is to match the existing material.

12. Confirm size of box culvert extensions at sta 90+40. Sheet 22 indicates S-200 is 8x6 extension but sheet 112 indicates 8x4 extensions

    Response: Structure S-200 will be two-8'x4' CBC extensions. Sheet 22 is mislabeled. Please refer to details on sheet 112 for all CBC details for Structures S-200 and S-201.

13. Confirm quantity of pay item 770-1-50 single sign post relocate. We have a quantity of 2. If there are 40 ea, please indicate location.

    Response: Quantity for pay item 770-1-50 was increased to account for signs on minor connection streets that were not included in the survey that may be impacted by driveway tie-in work. We estimate there are 40 single post sign relocations that are not shown in the plans.

14. Based on note 22 on sheet 4, is the intent to provide all material to Nassau County or just the excess the contractor does not use or just the excess the County wants?

    Response: All asphalt millings and excess earthwork shall be salvaged to Nassau County and delivered to Nassau County Road Department at 37356 Pea Farm Road, Hilliard, FL. All materials not salvaged to Nassau County or incorporated into the project shall be removed and lawfully disposed of off-site. Excess fill material shall be utilized to the fullest extent possible. Remaining suitable fill shall be salvaged to Nassau County at 37356 Pea Farm Road, Hilliard, FL.

15. Regarding maintenance of traffic, are the closure segments defined or up to the contractor to determine?

    Response: The contractor shall develop a traffic control plan that includes limits of road closure per segment that follow the parameters listed in the Traffic Control

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General Notes on sheet 150 for approval by Nassau County Capital Projects Department and the EOR.

The solicitation due date and opening time remains: MAY 7, 2025 10:00 A.M. EST

VENDOR HEREBY ACKNOWLEDGES THIS ADDENDUM ELECTRONICALLY THROUGH PLANETBIDS BY ITS BID SUBMISSION.

ATTACHMENTS
Release of Electronic Files
Revised Appendix M Line Item Price Sheet

Kimley»Horn

RELEASE OF ELECTRONIC FILES

TO: Prospective Bidder ("Recipient")

RE: NC25-012-ITB, Resurfacing and Safety Improvements (Phase 1) CR 121 From Duval County Line to CR 119

DATE: April 28, 2025

Kimley-Horn is providing electronic files to Recipient pursuant to Recipient's request. Release of the files is subject to Recipient's execution of this document.

These electronic files and any information contained therein are being released and transferred as a courtesy and solely for Recipient's convenience. Kimley-Horn will not be responsible for any damages arising out of or in connection with the furnishing of these files or Recipient's use of the files. Recipient recognizes that electronic files may be purposely or inadvertently altered or corrupted in any number of ways. Neither Kimley-Horn nor Nassau County make any representations, warranties, either express or implied, as to their suitability for any specific purpose.

By accepting delivery hereof, Recipient agrees to indemnify, defend and hold harmless Kimley-Horn and Nassau County, the Nassau County Board of County Commissioners and their respective officers, directors, and employees from any and all liability or damages that may arise or result from, in whole or in part, the furnishing of the electronic files or from the use of the electronic files and any information contained therein by Recipient, Recipient's employees, agents, or sub-Recipients.

Kimley-Horn does not guarantee the files will be compatible with Recipient's processing systems and is not responsible for any updates or modifications required for use by Recipient. It is Recipient's responsibility to examine the files for viruses or other contaminations prior to use.

The undersigned represents that the undersigned is an authorized signer on behalf of Recipient.

ACCEPTED AND AGREED:

Prospective Bidder, Recipient

Entity Name: _____

Signature: _____ Date: _____

Printed Name: _____ Title:_____

STATE OF _____ COUNTY OF _____

I HEREBY CERTIFY that on this day, personally appeared before me, by means of [ ] physical presence or [ ] online notarization,_____, who is personally known to me or who has produced _____ as identification, who is the person described in and who executed the foregoing instrument and who acknowledged before me that they executed the same for the uses and purposes therein expressed.

Witness my hand and official seal, this ___ day of _, 202_.

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REVISED - APPENDIX M - Addendum No. 2

Nassau County Bid Schedule

Line Items for Project Resurfacing and Safety Improvements (Phase 1) CR 121 From Duval County Line to CR 119 (NC25-012-ITB)

Issued on 04/04/2025

Bid Due on May 07, 2025 10:00 AM (EDT)

Item Num	Section	Item Code	Item Description	Unit of Measure	Quantity
1	Roadway Components	101-1	MOBILIZATION	LS	1
2	Roadway Components	102-1	MAINTENANCE OF TRAFFIC	LS	1
3	Roadway Components	104-10-3	SEDIMENT BARRIER	LF	72279
4	Roadway Components	110-1-1	CLEARING & GRUBBING	AC	43
5	Roadway Components	110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	SF	2300
6	Roadway Components	110-7-1	MAILBOX, F&I SINGLE	EA	98
7	Roadway Components	120-1	REGULAR EXCAVATION	CY	1174
8	Roadway Components	120-4	SUBSOIL EXCAVATION	CY	2815
9	Roadway Components	120-6	EMBANKMENT	CY	5715
10	Roadway Components	160-4	TYPE B STABILIZATION	SY	131672
11	Roadway Components	285-709	OPTIONAL BASE, BASE GROUP 09	SY	110022
12	Roadway Components	327-70-4	MILLING EXISTING ASPHALT PAVEMENT, 4" AVG DEPTH	SY	96770
13	Roadway Components	334-1-52	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG76-22	TN	9376
14	Roadway Components	337-7-81	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC B, FC-12.5, PG 76-22	TN	9162
15	Roadway Components	339-1	MISCELLANEOUS ASPHALT PAVEMENT	TN	62
16	Roadway Components	520-6	SHOULDER GUTTER- CONCRETE	LF	77
17	Roadway Components	522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	87
18	Roadway Components	536-1-1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	1219
19	Roadway Components	536-7-2	SPECIAL GUARDRAIL POST- SPECIAL STEEL POST FOR CONCRETE STRUCTURE MOUNT	EA	26
20	Roadway Components	536-73	GUARDRAIL REMOVAL	LF	868
21	Roadway Components	536-85-24	GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL	EA	12
22	Roadway Components	546-72-3	GROUND-IN RUMBLE STRIPS, 8" SINUSOIDAL	GM	22.1
23	Roadway Components	570-1-2	PERFORMANCE TURF, SOD	SY	74548
24	Roadway Components	N/A	MISC DRIVEWAY TIE-IN MATERIAL	SY	670
25	DRAINAGE COMPONENTS	400-4-1	CONCRETE CLASS IV, CULVERTS	CY	359
26	DRAINAGE COMPONENTS	415-1-1	REINFORCING STEEL- ROADWAY	LB	65309
27	DRAINAGE COMPONENTS	425-1-701	INLETS, GUTTER, TYPE S, <10'	EA	1
28	DRAINAGE COMPONENTS	425-2-41	MANHOLES, P-7, <10'	EA	1
29	DRAINAGE COMPONENTS	425-2-71	MANHOLES, J-7, <10'	EA	1
30	DRAINAGE COMPONENTS	430-94-1	DESILTING PIPE, 0-24"	LF	553
31	DRAINAGE COMPONENTS	430-94-2	DESILTING PIPE, 25"-36"	LF	514
32	DRAINAGE COMPONENTS	430-94-3	DESILTING PIPE, 37"-48"	LF	120
33	DRAINAGE COMPONENTS	430-175-115	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15"S/CD	LF	27

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34	DRAINAGE COMPONENTS	430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	31
35	DRAINAGE COMPONENTS	430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	128
36	DRAINAGE COMPONENTS	430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	38
37	DRAINAGE COMPONENTS	430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	58
38	DRAINAGE COMPONENTS	430-536-200	STRAIGHT CONCRETE ENDWALLS, 36", DOUBLE, 0 DEGREES, ROUND	EA	2
39	DRAINAGE COMPONENTS	430-982-123	MITERED END SECTION, OPTIONAL ROUND, 15" CD	EA	2
40	DRAINAGE COMPONENTS	430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	2
41	DRAINAGE COMPONENTS	430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	36
42	DRAINAGE COMPONENTS	430-982-133	MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA	5
43	DRAINAGE COMPONENTS	530-3-4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	150
44	DRAINAGE COMPONENTS	530-74	BEDDING STONE	TN	107
45	SIGNING AND PAVEMENT MARKING	700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	21
46	SIGNING AND PAVEMENT MARKING	700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	4
47	SIGNING AND PAVEMENT MARKING	700-1-50	SINGLE POST SIGN, RELOCATE	EA	40
48	SIGNING AND PAVEMENT MARKING	700-1-60	SINGLE POST SIGN, REMOVE	EA	9
49	SIGNING AND PAVEMENT MARKING	700-13-15	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'	EA	6
50	SIGNING AND PAVEMENT MARKING	701-17-101	PROFILED THERMOPLASTIC, STANDARD-CONCRETE SURFACES, WHITE, SOLID, 6"	GM	0.12
51	SIGNING AND PAVEMENT MARKING	701-17-201	PROFILED THERMOPLASTIC, STANDARD-CONCRETE SURFACES, YELLOW, SOLID, 6"	GM	0.12
52	SIGNING AND PAVEMENT MARKING	705-10-1	OBJECT MARKER, TYPE 1	EA	3
53	SIGNING AND PAVEMENT MARKING	705-10-2	OBJECT MARKER, TYPE 2	EA	105
54	SIGNING AND PAVEMENT MARKING	705-10-3	OBJECT MARKER, TYPE 3	EA	12
55	SIGNING AND PAVEMENT MARKING	706-1-3	RAISED PAVEMENT MARKER, TYPE B	EA	1789
56	SIGNING AND PAVEMENT MARKING	711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	155
57	SIGNING AND PAVEMENT MARKING	711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	1
58	SIGNING AND PAVEMENT MARKING	711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	15
59	SIGNING AND PAVEMENT MARKING	711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	4.8
60	SIGNING AND PAVEMENT MARKING	711-16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	6.4
61	SIGNING AND PAVEMENT MARKING	710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1
62	BRANDY BRANCH PLACE PAVING	334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	56
63	BRANDY BRANCH PLACE PAVING	570-1-2	PERFORMANCE TURF, SOD	SY	2027
64	Bid Alternate A - Drainage Components	430-175-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"S/CD	LF	673
65	Bid Alternate A - Drainage Components	430-175-130	PIPE CULVERT, OPTIONAL MATERIAL, ROUND,30"S/CD	LF	183
66	Bid Alternate A - Drainage Components	430-175-136	PIPE CULVERT, OPTIONAL MATERIAL, ROUND,36"S/CD	LF	80
67	Bid Alternate A - Drainage Components	430-982-133	MITERED END SECTION,OPTIONAL ROUND,30" CD	EA	2

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NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS
Procurement Department
96135 Nassau Place, Suite 2
Yulee, Florida 32097
Ph: 904-530-6040

TO: All Prospective Bidders

FROM: Evelyn J. Burton, Sr. Procurement Specialist

SUBJECT: Addendum No. 3
Solicitation Number NC25-012-ITB
RESURFACING AND SAFETY IMPROVEMENTS CR121 FROM DUVAL COUNTY LINE TO CR119

DATE: May 1, 2025

This addendum is hereby incorporated into the solicitation documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to, and shall take precedence over, the original documents.

THE SOLICITATION DUE DATE HAS BEEN EXTENDED

New solicitation due date and opening time: MAY 15, 2025 10:00 A.M. EST

VENDOR HEREBY ACKNOWLEDGES THIS ADDENDUM ELECTRONICALLY THROUGH PLANETBIDS BY ITS BID SUBMISSION.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS
Procurement Department
96135 Nassau Place, Suite 2
Yulee, Florida 32097
Ph: 904-530-6040

TO: All Prospective Bidders

FROM: Evelyn J. Burton, Sr. Procurement Specialist

SUBJECT: Addendum No. 4
Solicitation Number NC25-012-ITB
RESURFACING AND SAFETY IMPROVEMENTS CR121 FROM DUVAL COUNTY LINE TO CR119

DATE: May 7, 2025

This addendum is hereby incorporated into the solicitation documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to, and shall take precedence over, the original documents.

1. Can appendix N-1 (subcontractor E-verify affidavit) be submitted post bid by successful contractor. Getting these signed and notarized prebid will be an impossible task.

   RESPONSE: The Subcontractor E-Verify Affidavit is a required document for submission.

2. Referencing the County's response to question 3. in Addendum #2, the County added pay item 327-70-4 which is 3" depth per FDOT Basis of Estimates, however bid form states 4". Please confirm pay item description in bid form.

   RESPONSE: See attached Revised Appendix M – Line Item Price Sheet

3. Referencing the County's bid form change after Addendum #2 and question #5, the County erroneously removed pay item 327-70-7 (MILLING EXISTING ASPHALT PAVEMENT, 4" AVG DEPTH). Please revise.

   RESPONSE: See attached Revised Appendix M – Line Item Price Sheet

4. Referencing the County's response to question 3. in Addendum #2, the County selected a milling pay item, subject to FDOT Specification 327 for asphalt removal. FDOT Specification 327 is utilized to mill and prepare milled surface for asphalt

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overlay, including quality control requirements. Please advise if FDOT Specification 327 will be applicable for milling (asphalt removal) in areas of reconstruction.

RESPONSE: Contractor can ignore sections of FDOT specification 327 that refers to preparing milled surface for overlay, including quality control requirements for all areas within reconstruction limits (Pay Item 327-70-4). The intent of this pay item is to recover millings prior to clearing and grubbing and earthwork related to full depth reconstruction.

5. Referencing the County's response to questions 3. and 14. in Addendum #2, the County added the millings from the reconstruction area to be delivered to County. Can the Contractor take ownership of enough millings to offset the RAP incorporated into new asphalt mix (quantity to be based on approve mix designs)?

   RESPONSE: All millings removed from existing asphalt paved surfaces are to be delivered to the County Road Dept.

New solicitation due date and opening time: **MAY 15, 2025 10:00 A.M. EST**

VENDOR HEREBY ACKNOWLEDGES THIS ADDENDUM ELECTRONICALLY THROUGH PLANETBIDS BY ITS BID SUBMISSION.

ATTACHMENT(S)
Revised Appendix M Line Item Price Sheet

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

NC25-012-ITB Resurfacing and Safety Improvements for CR 121 from Duval County Line to CR 119 (Phase 1)
ADDENDUM NO. 4

REVISED - APPENDIX M- Addendum No. 4

Nassau County Bid Schedule
Line Items for Project Resurfacing and Safety Improvements (Phase 1) CR 121 From Duval County Line to CR 119 (NC25-012-ITB)
Issued on 04/04/2025
Bid Due on May 15, 2025 10:00 AM (EDT)

Item Num	Section	Item Code	Item Type	Item Description	Unit of Measure	Quantity
1	Roadway Components	101-1		MOBILIZATION	LS	1
2	Roadway Components	102-1		MAINTENANCE OF TRAFFIC	LS	1
3	Roadway Components	104-10-3		SEDIMENT BARRIER	LF	72279
4	Roadway Components	110-1-1		CLEARING & GRUBBING	AC	43
5	Roadway Components	110-3		REMOVAL OF EXISTING STRUCTURES/BRIDGES	SF	2300
6	Roadway Components	110-7-1		MAILBOX, F&I SINGLE	EA	98
7	Roadway Components	120-1		REGULAR EXCAVATION	CY	1174
8	Roadway Components	120-4		SUBSOIL EXCAVATION	CY	2815
9	Roadway Components	120-6		EMBANKMENT	CY	5715
10	Roadway Components	160-4		TYPE B STABILIZATION	SY	131672
11	Roadway Components	285-709		OPTIONAL BASE, BASE GROUP 09	SY	110022
12	Roadway Components	327-70-4		MILLING EXISTING ASPHALT PAVEMENT, 3" AVG DEPTH	SY	96770
13	Roadway Components	327-70-7		MILLING EXISTING ASPHALT PAVEMENT, 4" AVG DEPTH	SY	8900
14	Roadway Components	334-1-52		SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG76-22	TN	9376
15	Roadway Components	337-7-81		ASPHALT CONCRETE FRICTION COURSE,TRAFFIC B, FC-12.5, PG 76-22	TN	9162
16	Roadway Components	339-1		MISCELLANEOUS ASPHALT PAVEMENT	TN	62
17	Roadway Components	520-6		SHOULDER GUTTER- CONCRETE	LF	77
18	Roadway Components	522-2		CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	87
19	Roadway Components	536-1-1		GUARDRAIL -ROADWAY, GENERAL TL-3	LF	1219
20	Roadway Components	536-7-2		SPECIAL GUARDRAIL POST- SPECIAL STEEL POST FOR CONCRETE STRUCTURE MOUNT	EA	26
21	Roadway Components	536-73		GUARDRAIL REMOVAL	LF	868
22	Roadway Components	536-85-24		GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL	EA	12
23	Roadway Components	546-72-3		GROUND-IN RUMBLE STRIPS, 8" SINUSOIDAL	GM	22.1
24	Roadway Components	570-1-2		PERFORMANCE TURF, SOD	SY	74548
25	Roadway Components	N/A		MISC DRIVEWAY TIE-IN MATERIAL	SY	670
26	DRAINAGE COMPONENTS	400-4-1		CONCRETE CLASS IV, CULVERTS	CY	359
27	DRAINAGE COMPONENTS	415-1-1		REINFORCING STEEL- ROADWAY	LB	65309
28	DRAINAGE COMPONENTS	425-1-701		INLETS, GUTTER, TYPE S, <10'	EA	1
29	DRAINAGE COMPONENTS	425-2-41		MANHOLES, P-7, <10'	EA	1
30	DRAINAGE COMPONENTS	425-2-71		MANHOLES, J-7, <10'	EA	1
31	DRAINAGE COMPONENTS	430-94-1		DESILTING PIPE, 0-24"	LF	553
32	DRAINAGE COMPONENTS	430-94-2		DESILTING PIPE, 25"-36"	LF	514
33	DRAINAGE COMPONENTS	430-94-3		DESILTING PIPE, 37"-48"	LF	120
34	DRAINAGE COMPONENTS	430-175-115		PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15"S/CD	LF	27
35	DRAINAGE COMPONENTS	430-175-118		PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	31
36	DRAINAGE COMPONENTS	430-175-124		PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	128
37	DRAINAGE COMPONENTS	430-175-130		PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	38

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38	DRAINAGE COMPONENTS	430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	58
39	DRAINAGE COMPONENTS	430-536-200	STRAIGHT CONCRETE ENDWALLS, 36", DOUBLE, 0 DEGREES, ROUND	EA	2
40	DRAINAGE COMPONENTS	430-982-123	MITERED END SECTION, OPTIONAL ROUND, 15" CD	EA	2
41	DRAINAGE COMPONENTS	430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	2
42	DRAINAGE COMPONENTS	430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	36
43	DRAINAGE COMPONENTS	430-982-133	MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA	5
44	DRAINAGE COMPONENTS	530-3-4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	150
45	DRAINAGE COMPONENTS	530-74	BEDDING STONE	TN	107
46	SIGNING AND PAVEMENT MARKING	700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	21
47	SIGNING AND PAVEMENT MARKING	700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	4
48	SIGNING AND PAVEMENT MARKING	700-1-50	SINGLE POST SIGN, RELOCATE	EA	40
49	SIGNING AND PAVEMENT MARKING	700-1-60	SINGLE POST SIGN, REMOVE	EA	9
50	SIGNING AND PAVEMENT MARKING	700-13-15	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'	EA	6
51	SIGNING AND PAVEMENT MARKING	701-17-101	PROFILED THERMOPLASTIC, STANDARD-CONCRETE SURFACES, WHITE, SOLID, 6"	GM	0.12
52	SIGNING AND PAVEMENT MARKING	701-17-201	PROFILED THERMOPLASTIC, STANDARD-CONCRETE SURFACES, YELLOW, SOLID, 6"	GM	0.12
53	SIGNING AND PAVEMENT MARKING	705-10-1	OBJECT MARKER, TYPE 1	EA	3
54	SIGNING AND PAVEMENT MARKING	705-10-2	OBJECT MARKER, TYPE 2	EA	105
55	SIGNING AND PAVEMENT MARKING	705-10-3	OBJECT MARKER, TYPE 3	EA	12
56	SIGNING AND PAVEMENT MARKING	706-1-3	RAISED PAVEMENT MARKER, TYPE B	EA	1789
57	SIGNING AND PAVEMENT MARKING	711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	155
58	SIGNING AND PAVEMENT MARKING	711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	1
59	SIGNING AND PAVEMENT MARKING	711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	15
60	SIGNING AND PAVEMENT MARKING	711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	4.8
61	SIGNING AND PAVEMENT MARKING	711-16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	6.4
62	SIGNING AND PAVEMENT MARKING	710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1
63	BRANDY BRANCH PLACE PAVING	334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	56
64	BRANDY BRANCH PLACE PAVING	570-1-2	PERFORMANCE TURF, SOD	SY	2027
65	Bid Alternate A - Drainage Components	430-175-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"S/CD	LF	673
66	Bid Alternate A - Drainage Components	430-175-130	PIPE CULVERT, OPTIONAL MATERIAL, ROUND,30"S/CD	LF	183
67	Bid Alternate A - Drainage Components	430-175-136	PIPE CULVERT, OPTIONAL MATERIAL, ROUND,36"S/CD	LF	80
68	Bid Alternate A - Drainage Components	430-982-133	MITERED END SECTION,OPTIONAL ROUND,30" CD	EA	2

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EXHIBIT "B"
Contractor Bid Response

Resurfacing and Safety Improvements CR 121 from Duval County Line to CR 119 (Phase 1)

INVITATION TO BID (ITB)

Bid No. NC25-012-ITB

FPID 449196-1-54-01

Nassau County
Board of County Commissioners
Nassau County, Florida

PROJECT MANUAL

CONTAINING

BIDDING REQUIREMENTS

CONTRACTOR'S PROPOSAL AGREEMENT

GENERAL CONDITIONS

SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS

Prepared By: Kimley-Horn

April 2025

12740 Gran Bay Parkway, Ste. 2350

Jacksonville, FL 32258

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APPENDIX A

Florida Department of Transportation (FDOT) State Funded Grant Agreement, Financial Project No. 449196-1-54-01

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Nassau County - Road Closure Policy

APPENDIX C
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DIVISION 00

PROCUREMENT & CONTRACTING REQUIREMENTS

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SECTION 00 11 10

ADVERTISEMENT FOR BIDS

PROJECT: CR 121 from Duval County Line to CR 119
Bid Number NC25-012-ITB
Nassau County, Florida

OWNER: Board of County Commissioners
Nassau County, Florida
96135 Nassau Place, Suite 1
Yulee, Florida 32097

ENGINEER: Jessica Novak, P.E.
12740 Gran Bay Parkway
Ste. 2350
Jacksonville, FL 32258

NON-MANDATORY PRE-BID CONFERENCE: Pre-Bid Conference for the project will be held on April 17, 2025, at 2 p.m.

LOCATION OF NON-MANDATORY PRE-BID CONFERENCE: 96135 Nassau Place, Yulee, FL 32097 in the BOCC Chambers.

DEADLINE FOR QUESTIONS: April 23, 2025 at 4:00 P.M.
Submit question via PlanetBids
https://pbsystem.planetbids.com/ portal/49083/portal-home

BID DEADLINE: May 7, 2025 at 10:00 A.M.

BID OPENING: May 7, 2025 at 10: 00 A.M.
Robert M. Foster Justice Center
Office of the Ex-Officio Clerk
76347 Veterans Way, Suite 456
Yulee, Florida 32097

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

1.0 WORK DESCRIPTION

This project consists of the reconstruction and resurfacing of County Road 121 from Duval County line to County Road 119. The work to be performed is generally described as roadway reconstruction and includes the following:

- **Clearing and grubbing**
- **Subsoil Excavation**
- **Full depth reconstruction of 6.845 miles of CR 121**
- **Milling and resurfacing of 0.576 miles of CR 121**
- **Replace one triple-8'x6' concrete box culvert with one double-12'x6' concrete box culvert**
- **Replace one double-8'x4' concrete box culvert with one the same size**
- **Extend one double-8'x4' concrete box culvert on two sides**
- **Replacement of guardrail**
- **Installation of pavement markings**
- **Shoulder grading and placement of performance turf and sod**

All work shall be in accordance with the construction drawings, specifications, and contract documents. **BIDDERS MUST BE FDOT PRE-QUALIFIED FOR ALL CATEGORIES OF WORK REQUIRED FOR THIS PROJECT.**

2.0 RECEIPT OF BIDS

ALL BIDDERS must be qualified for the type of work for which the BID is submitted. All bids MUST be submitted using the County's e-bidding platform, PlanetBids, accessible via https://pbsystem.planetbids.com/portal/49083/portal-home.

3.0 CONTRACT DOCUMENTS

The CONTRACT DOCUMENTS, consisting of ADVERTISEMENT FOR BIDS, INFORMATION FOR BIDDERS, BID, BID BOND, AGREEMENT, GENERAL CONDITIONS, SUPPLEMENTAL GENERAL CONDITIONS (IF APPLICABLE), PAYMENT BOND, PERFORMANCE BOND, NOTICE OF AWARD, NOTICE TO PROCEED, CHANGE ORDER, DRAWINGS, SPECIFICATIONS, SPECIAL CONDITIONS and ADDENDA, may be examined free-of-charge using the County's vendor portal, accessible via https://pbsystem.planetbids.com/portal/49083/portal-home.

4.0 BONDS (BID, PERFORMANCE AND PAYMENT)

BIDS must be accompanied by a Certified Check or BID BOND of a reputable bonding company authorized to do business in the State of Florida in the amount of five percent (5%) of the total amount of the BID to guarantee that the Contractor will enter into a Contract in the form prescribed and will provide the required bonds for the project.

The successful BIDDER(s) must provide an acceptable contract PERFORMANCE BOND in the amount of one hundred percent (100%) of the Contract Price, and a PAYMENT BOND in the amount of one hundred percent (100%) of the Contract Price. **An electronic copy must be included as part of the submission, and originals must be sent to the County Clerk's Office by the time of the Bid Opening.**

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BONDS SHALL BE ADDRESSED TO:
Board of County Commissioners
Office of the Ex-Officio Clerk
Attn: NC25-012-ITB
76347 Veterans Way, Suite 456
Yulee, Florida 32097

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5.0 BID WITHDRAWAL

No BIDS may be withdrawn for a period of one-hundred and twenty (120) days after closing time scheduled for receipt of BIDS.

6.0 RIGHT TO REJECT

The OWNER reserves the right to reject any and all BIDS and waive all informalities in whole or in part, with or without cause, and/or to accept the bid that, in its best judgment, will be for the best interest of Nassau County, Florida.

7.0 PUBLIC ENTITY CRIME

A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a proposal/bid on a contract to provide any goods or services to a public entity, may not submit a proposal/bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit a proposal/bid on leases or real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor or consultant under contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017. Florida Statutes, for Category Two for a period of thirty- six months from the date of being placed on the convicted vendor list.

8.0 INFORMATION CONTACT

For further information or clarification, prospective bidders should submit questions via PlanetBids to be addressed via addendum.

9.0 DISABILITIES REQUIRING ACCOMMODATION

Persons with disabilities requiring accommodation in order to participate in this program or activity should contact the Office of the Ex-Officio Clerk to the Board of County Commissioners at (904) 548- 4600 or Florida Relay Service at 1-800-955-8770 (v) or 1-800-955-8771 (TDD) at least seventy-two hours in advance to request such accommodation.

10.0 PUBLIC MEETINGS AND PUBLIC RECORDS LAWS FOR GOVERNMENT CONTRACTING

Effective July 1, 2012

Pursuant to recent changes in Florida Statutes Chapter 119.071 (General Exemptions from inspection or copying of public records) the bid opening process is temporarily exempt from Public Records requirements, except bids received pursuant to a competitive solicitation for construction or repairs on a public building or public work. Information may be released to the public once the Board provides a notice of intended decision or 30 days after the bid opening, whichever is earlier.

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Pursuant to recent changes in Florida Statutes Chapter 286.0113 (General exemptions from public meeting requirements) any portion of a meeting in which negotiations with a vendor is conducted as part of the "competitive negotiation" process at which a vendor makes an oral presentation or answers questions as part of the "competitive solicitation" process are exempt from public meeting requirements until the Board provides notice of an intended decision or until 30 days after bid opening, whichever is earlier. Any portion of a committee meeting at which negotiation strategies are discussed is exempt.

A complete record shall be made of any portion of an exempt meeting; no portion may be held off the record. The recording of and any records presented at the exempt meeting are exempt from FS119.071 until such time as the board provides notice of an intended decision or 30 days after opening the bids, proposals, or final replies.

Please refer to Florida Statutes Chapter 119.071, Chapter 255.0518, and Chapter 286.0113 for further details.

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SECTION 00 21 15

INSTRUCTIONS TO BIDDERS

ARTICLE 1 DEFINED TERMS

1 .01 Terms used in these Instructions to Bidders will have the meanings indicated in the General Conditions and Supplementary Conditions. Additional terms used in these Instructions to Bidders have the meanings indicated below which are applicable to both the singular and plural thereof:

A. Bidder - The individual or entity who submits a Bid directly to the County.

B. Issuing Office - The office from which the Bidding Documents are to be issued and where the bidding procedures are to be administered.

C. Successful Bidder - The lowest responsible Bidder submitting a responsive Bid to whom County (on basis of County's evaluation as herein provided) makes an award.

ARTICLE 2 COPIES OF BIDDING DOCUMENTS

2.01 Complete sets of Bidding Documents stated in the Advertisement or Invitation to Bid may be obtained from the Issuing Office via the County's e-bidding platform at no charge.

2.02 Complete sets of Bidding Documents must be used in preparing Bids; neither the County nor Engineer of Record assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

2.03 The County and Engineer of Record in making copies of Bidding Documents available on the above terms do so only for the purpose of obtaining Bids for the Work and do not confer a license or grant for any other use.

ARTICLE 3 QUALIFICATIONS OF BIDDERS

3.01 The County may make such investigations as necessary to determine the ability of the Bidder to perform the Work, and the Bidder shall furnish to the County all such information and data for this purpose as the County may request. The County reserves the right to reject any bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the County that such Bidder is properly qualified to carry out the obligations of the contract and to complete the work contemplated therein. Conditional bids will not be accepted.

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3.02 To demonstrate Bidder's qualifications to perform the Work, Bidder shall submit written evidence such as financial data, previous experience, present commitments, and such other data as may be called for in Bidder's Qualification Statement.

ARTICLE 4 EXAMINATION OF BIDDING DOCUMENTS, OTHER RELATED DATA, ANDSITE

4.01 Subsurface and Physical Conditions

A. The Supplementary Conditions identify:

1. Those reports or explorations and tests of subsurface conditions at or contiguous to the Site that Engineer of Record has used in preparing the Bidding Documents.

2. Those drawings of physical conditions in or relating to existing surface and subsurface structures at or contiguous to the Site (except Underground Facilities) that Engineer of Record has used in preparing the Bidding Documents.

B. Copies of the reports and drawings referenced in paragraph 4.01.A will be made available by the County to any Bidder on request. Those reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which Bidder is entitled to rely as provided in paragraph 5.03 of the General Conditions has been identified and established in paragraph 4.02 of the Supplementary Conditions. Bidder is responsible for any interpretation or conclusion Bidder draws from any "technical data" or any other data, interpretations, opinions, or information contained in such reports or shown or indicated in such drawings.

4.02 Underground Facilities

Information and data shown or indicated in the Bidding Documents with respect to existing Underground Facilities at or contiguous to the Site is based upon information and data furnished to the County and Engineer of Record by the Utility Owner of such Underground Facilities, including the County, or others.

4.03 Hazardous Environmental Conditions

A. The Supplementary Conditions identify those reports and drawings relating to a Hazardous Environmental Condition identified at the Site, if any, that Engineer of Record has used in preparing the Bidding Documents.

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B. Copies of reports and drawings referenced in paragraph 4.03.A will be made available by the County to any Bidder on request. Those reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which Bidder is entitled to rely as provided in paragraph 5.06 of the General Conditions has been identified and established in paragraph 4.06 of the Supplementary Conditions. Bidder is responsible for any interpretation or conclusion Bidder draws from any "technical data" or any other data, interpretations, opinions, or information contained in such reports or shown or indicated in such drawings.

4.04 Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to subsurface conditions other physical conditions and Underground Facilities, and possible changes to Bidding Documents due to offering or unanticipated conditions appear in paragraphs 5.03, 5.04, and 5.05 of the General Conditions. Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to a Hazardous Environmental Condition at the Site, if any, and possible changes in the Contract Documents due to any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in the Drawings and Specifications or identified in the Contract Documents to be within the scope of Work appear in paragraph 5.06 of the General Conditions.

4.05 On request, the County will provide Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies Bidder deems necessary for submission of a Bid. Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies.

4.06 Reference is made to Article 8 of the General Conditions for the identification of the general nature of other work that is to be performed at the Site by the County or others (such as utilities and other prime contractors) that relates to the Work for which a Bid is to be submitted. On request, the County will provide to each Bidder for examination access to or copies of Contract Documents (other than portions thereof related to price) for such other work.

4.07 It is the responsibility of each Bidder before submitting a Bid to:

A. Examine and carefully study the Bidding Documents, including any Addenda and other related data identified in the Bidding Documents;

B. Visit the site to become familiar with and satisfy Bidder as to the general, local and Site conditions that may affect cost, progress, and performance of the Work;

C. Become familiar with and satisfy Bidder as to all federal, state, and local Laws and Regulations that may affect cost, progress, or performance of the Work;

D. Carefully study all reports of explorations and tests or subsurface conditions at or

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contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in the Supplementary Conditions as provided in paragraph 5.03 of the General Conditions, and carefully study all reports and drawings or a Hazardous Environmental Condition, if any, at the Site which have been identified in the Supplementary Conditions as provided in paragraph 5.06 of the General Conditions;

E. Obtain and carefully study (or assume responsibility for doing so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents, and safety precautions and programs incident thereto;

F. Agree at the time of submitting its Bid that no further examinations, investigations. explorations, tests, studies, or data are necessary for the determination of its Bid for performance of the Work at the price bid and within the times and in accordance with the other terms and conditions of the Bidding Documents;

G. Become aware of the general nature of the work to be performed by the County and others at the Site that relates to the Work as indicated in the Bidding Documents;

H. Correlate the information known to Bidder, information and observations obtained from visit to Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents;

I. Promptly give Engineer of Record written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder discovers in the Bidding Documents and confirm that the written resolution thereof by Engineer of Record is acceptable to Bidder and;

J. Determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of Work.

4.08 Each bidder must inform himself fully of the conditions relating to the construction of the project and the employment of labor thereon. Failure to do so will not relieve a successful bidder of his obligation to furnish all material and labor necessary to carry out the provisions of this contract. Insofar as possible the contractor, in carrying out the work, must employ such methods or means as will not cause any interruption of or interference with the work of any other contractor.

4.09 The submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder

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has complied with every requirement of this Article 4, that without exception the Bid is premised upon performing and furnishing the Work required by the Bidding Documents and applying any specific means, methods, techniques, sequences, and procedures of construction that maybe shown or indicated or expressly required by the Bidding Documents, that Bidder had given Engineer of Record written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents and written resolutions thereof by Engineer of Record are acceptable to Bidder, and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.

ARTICLE 5 PRE-BID CONFERENCE

5.01 There will be a non-mandatory pre-bid conference/meeting for this project. The pre-bid conference will be held on April 17, 2025, at 2 p.m. at 96135 Nassau Place, Yulee, FL 32097 in the BOCC Chambers.

ARTICLE 6 SITE AND OTHER AREAS

6.01 The Site is identified in the Bidding Documents. All additional lands and access thereto required for temporary construction facilities, construction equipment, or storage of materials and equipment to be incorporated in the Work are to be obtained and paid for by Contractor. Easements for permanent structures or permanent changes in existing facilities are to be obtained and paid for by the County unless otherwise provided in the Bidding Documents.

ARTICLE 7 INTERPRETATIONS AND ADDENDA

7.01 **No interpretation of the meaning of the plans, specification or other pre-bid documents will be made to any bidder orally. Bidders are required to refrain from contacting any County Departments or Divisions about this solicitation during the solicitation process. ANY QUESTIONS FROM BIDDERS MUST BE RECEIVED VIA THE COUNTY'S ELECTRONIC BIDDING PLATFORM - https://pbsystem.planetbids.com/portal/49083/portal-home.** Failure to comply with this requirement may result in disqualification of your response and egregious and/or repeated violations may result in debarment from future solicitations, contracts, or other business with the County. All questions must be submitted on PlanetBids by **April 23, 2025 @ 4:00 PM.**

7.02 Any and all such interpretations and any supplemental instructions will be in the form of written addenda not later than 72 hours prior to the date fixed for the opening of bids.

7.03 Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by the County or Engineer of Record. It will be the responsibility of the Bidder to visit the County's electronic bidding platform – prior to submitting a response – to ascertain if any addenda have been issued and to review those addenda, if applicable.

7.04 Bidders are required to acknowledge the number of addenda received on the Bid Form, section 3.01.A. Failure of any bidder to receive any such addendum or interpretation shall not relieve such bidder from any obligation under the bid as submitted. All addenda so issued shall become part of the contract documents.

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ARTICLE 8 BID SECURITY

8.01 A Bid must be accompanied by cash, certified check of the Bidder, or a bid bond prepared on the form of bid bond attached hereto, duly executed by the Bidder as principal and having as surety thereon a surety company approved by the County, in the amount of 5% of the Bid. Cash, checks and bid bonds will be returned to all except the three lowest bidders. After award by the Board, the remaining cash checks or bid bonds will be returned promptly after the County and the accepted bidder have executed the contract, or, if no award has been made within 30 days after the date of the opening of Bids, upon demand of the Bidder at any time thereafter, so long as notification of the acceptance of the Bid has not taken place.

8.02 Bid security of other Bidders whom the County believes do not have a reasonable chance of receiving the award will be returned within seven days after the Bid opening.

ARTICLE 9 CONTRACT TIMES

9.01 The number of days within which, or the dates by which, the Work is to be (a) Substantially Completed and (b) also completed and ready for final payment are set forth in the Bid Form.

ARTICLE 10 LIQUIDATED DAMAGES

10.01 The successful bidder, upon failure or refusal to execute and deliver the contract and bonds required within 10 days after receipt of notice of the acceptance of the bid, shall forfeit to the County, as liquidated damages for such failure or refusal, the security deposited with the bid.

ARTICLE 11 SUBSTITUTE AND "OR-EQUAL" ITEMS

11.01 The Contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute "or-equal" items. Whenever it is specified or described in the Bidding Documents that a substitute or "or-equal" item of material or equipment may be furnished or used by if acceptable to Engineer of Record, application for such acceptance will not be considered by Engineer of Record until after the Effective Date of the Agreement. The procedure for submission of any such application by and consideration by Engineer of Record is set forth in the General Conditions and may be supplemented in the General Requirements.

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ARTICLE 12 SUBCONTRACTORS, SUPPLIERS AND OTHERS

12.01 If the Supplementary Conditions require the identity of certain Subcontractors, Suppliers, individuals, or entities to be submitted to the County in advance of a specified date prior to the Effective Date of the Agreement, the apparent Successful Bidder, and any other Bidder so requested, shall within five days after Bid opening, submit to the County a list of all such Subcontractors, Suppliers, individuals, or entities proposed for those portions of the Work for which such identification is required. Such list shall be accompanied by an experience statement with pertinent information regarding similar projects and other evidence of qualification for each Subcontractor, Suppliers, individuals, or entity if requested by the County. If the County or Engineer of Record, after due investigation, has reasonable objection to any proposed Subcontractor, Supplier, individual or entity, the County may, before the Notice of Award is given, request apparent Successful Bidder to submit a substitute, without an increase in the Bid.

12.02 If apparent Successful Bidder declines to make any such substitution, the County may award the Contract to the next lowest Bidder that proposes to use acceptable Subcontractors, Suppliers, individuals, or entities. Declining to make requested substitutions will not constitute grounds for forfeiture of the Bid security of any Bidder. Any Subcontractor, Supplier, individual, or entity so listed and against which the County or Engineer of Record makes no written objection prior to giving of the Notice of Award will be deemed acceptable to the County and Engineer of Record subject to revocation of such acceptance after Effective Date of the Agreement as provided in paragraph 7.07 of the General Conditions.

12.03 Contractor shall not be required to employ any Subcontractor, Supplier, individual, or entity against whom Contractor has reasonable objection.

ARTICLE 13 PREPARATION OF BID

13.01 The Bid Form is included in the Bidding Documents.

13.02 Each bid must be submitted electronically via the County's electronic bidding platform (PlanetBids, accessible via the County's website).

13.03 A Bid by a corporation shall be executed in the corporate name by the president or a vice-president or other corporate officer accompanied by evidence of authority to sign. The corporate seal shall be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporation shall be shown on the form.

13.04 A Bid by a partnership shall be executed in the partnership name and signed by a partner (whose title must appear under the signature), accompanied by evidence of authority to sign. The official address of the partnership shall be shown below the signature.

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13.05 A Bid by a limited liability company shall be executed in the name of the firm by a member and accompanied by evidence of authority to sign. The state of formation of the firm and the official address of the firm must be shown below the signature.

13.06 A Bid by an individual shall show the Bidder's name and official address.

13.07 A Bid by a joint venture shall be executed by each joint venture in the manner indicated on the Bid Form. The official address of the joint venture must be shown below the signature.

13.08 All names shall be typed or printed in ink below the signatures.

13.09 The Bid shall contain an acknowledgement of receipt of all Addenda, the numbers of which shall be filled in on the Bid Form.

13.10 The address and telephone number for communications regarding the Bid shall be shown

13.11 The Bid shall contain evidence of Bidder's authority and qualification to do business in the State of Florida. The Bidder shall also be a state-certified Contractor in good standing and hold current registration with the Florida Construction Industry Licensing Board of the State Department of Professional Regulation. The type of license must be in a class that is related to the general nature of the construction to be performed on this project. The Bidder's State Contractor's license number for the State of the project shall be shown on the Bid Form.

ARTICLE 14 BASIS OF BID; EVALUATION OF BIDS

14.01 Unit Price

A. Bidders shall submit a Bid on a unit price basis for each item of Work listed in the Base Bid schedule. Bidders shall also submit lump sum prices for each of the items comprising the mandatory Bid Additives (or Alternates), if any.

B. The total of all estimated prices will be determined as the sum of the products of the estimated quantity of each item and the unit price Bid for the item, including any combination of the Bid Additive as selected by the County. The final quantities and Contract Price will be determined in accordance with paragraph 11.03 of the General Terms and Conditions.

C. Discrepancies between the multiplication or units or Work and the unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between words and figures will be resolved in favor of the words.

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14.02 The Bid price shall include such amounts as the Bidder deems proper for overhead and profit on account of cash allowances, if any, named in the Contract Documents as provided in paragraph 13.02 of the General Conditions.

ARTICLE 15 SUBMITTAL OF BID

15.01 Each prospective Bidder is furnished their Bidding Documents in electronic format, via the County's e-bidding platform only. **BIDS SUBMITTED OUTSIDE OF THE E-BIDDING PLATFORM WILL NOT BE CONSIDERED.**

ARTICLE 16 MODIFICATION AND WITHDRAWAL OF BID

16.01 A Bid may be modified or withdrawn by an appropriate document duly executed in the manner that a Bid must be executed and delivered to the place where Bids are to be submitted prior to the date and time from the opening of Bids.

16.02 Any Bid may be withdrawn prior to the scheduled time for the opening of bids or authorized postponement thereof. Any Bid received after the time and date specified shall not be considered. No Bidder may withdraw a bid within 90 days after the actual date of the opening thereof.

ARTICLE 17 OPENING OF BIDS

17.01 Bids will be opened at the time and place indicated in the Advertisement or Invitation to Bid. An abstract of the amounts of the base Bids and major alternatives, if any, will be made available to Bidders pursuant to s. 119.071 and s. 255.0518 (effective July 1, 2012), Florida Statutes.

17.02 The County may consider informal any Bid not prepared and submitted in accordance with the provisions thereof and may waive any informalities or reject any and all Bids.

ARTICLE 18 BIDS TO REMAIN SUBJECT TO ACCEPTANCE

18.01 All Bids will remain subject to acceptance for the period of time stated in the Bid Form, but the County may, in its sole discretion, release any Bid and return the Bid security prior to the end of this period.

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ARTICLE 19 AWARD OF CONTRACT

19.01 The County reserves the right to reject any and all Bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. The County further reserves the right to reject the Bid of any Bidder whom it finds, after reasonable inquiry and evaluation, to be non-responsible. The County may also reject the Bid of any Bidder if the County believes that it would not be in the best interest of the Project to make an award to that Bidder. The County also reserves the right to waive all informalities not involving price, time, or changes in the Work and to negotiate contract terms with the Successful Bidder.

19.02 More than one Bid for the same Work from an individual or entity under the same or different names will not be considered. Reasonable grounds for believing that any Bidder has an interest in more than one Bid for the Work may be cause for disqualification of that Bidder and the rejection of all Bids in which that Bidder has an interest.

19.03 In evaluating Bids, the County will consider whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

19.04 In evaluating Bidders, the County will consider the qualifications of Bidders and may consider the qualifications and experience of Subcontractors, Suppliers, and other individuals or entities proposed for those portions of the Work for which the identity of Subcontractors, Suppliers, and other individuals or entities must be submitted as provided in the Supplementary Conditions.

19.05 The County may conduct such investigations as it deems necessary to establish the responsibility, qualifications, and financial ability of Bidders, proposed Subcontractors, Suppliers, individuals, or entities to perform the Work in accordance with the Contract Documents.

19.06 If the contract is awarded, the County will award the Contract to the Bidder whose Bid is the lowest and most responsive bid.

ARTICLE 20 CONTRACT SECURITY ANDINSURANCE

20.01 Article 6 of the General Conditions, as may be modified by the Supplementary Conditions, sets forth the County's requirements as to performance and payment Bonds and insurance. When the Successful Bidder delivers the executed Agreement to the County, such Bonds must accompany it.

20.02 Provisions for indemnification by Contractor are set forth in the Agreement, at Paragraph 7.18 of the General Conditions, as amended by the Supplementary Conditions, and are incorporated here by reference.

20.03 Simultaneously, with delivery of the executed contract, the Contractor shall furnish a surety bond or bonds as security for faithful performance of this contract and for the payment of all persons performing labor on the project under this contract and furnishing materials in connection with this contract, as specified in the General Conditions included herein. The surety on such bond and

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bonds shall be duly a

uthorized surety company satisfactory to the County.

20.04 Attorneys-in-fact who sign bid bonds or contract bonds must file with each bond a certified and effectively dated copy of their power of attorney.

ARTICLE 21 SIGNING OF AGREEMENT

21.01 When the County gives Notice of Intent to Award to the Successful Bidder, it shall be accompanied by the Agreement. Successful Bidder shall sign and deliver the required number of counterparts of the Agreement and attached documents to the County prior to the date set for Board approval and execution. The County shall deliver one fully signed counterpart to Successful Bidder.

21.02 The Board of County Commissioners has the right to approve or reject the recommendation of award. The Agreement is not valid unless fully executed by the Contractor and the Nassau County Board of County Commissioners.

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SECTION 00 41 15

BID FORM

PROJECTIDENTIFICATION: **CR 121 from Duval County Line to CR 119 (Phase 1)**
Bid Number NC25-012-ITB
Nassau County, Florida

BID DEADLINE: May 15, 2025 at 10:00 AM
~~**May 7, 2025 at 10:00 AM**~~

1.01 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with the County in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

Company Name (typed or printed): Anderson Columbia Co., Inc.
Business address: 871 NW Guerdon Street, Lake City, FL 32056
Phone No.: 386.752.7585 Ext. 224 Fax No.: 386.755.9132
Contact Name: E. Tony Williams Jr.
Contact Title: Vice President
Contact email address: TONY.WILLIAMS@ANDERSONCOLUMBIA.COM

2.01 Bidder accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. The Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of the County.

3.01 In submitting this Bid, Bidder represents, as set forth in the Agreement, that:

A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged:

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Addendum No.	Addendum Date
NO. 1	APRIL 29TH 2025
NO. 2	APRIL 30TH 2025
NO. 3	MAY 1ST 2025
NO. 4	MAY 7TH 2025

B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in the Supplementary Conditions as provided in paragraph 5.03 of the General Conditions, and (2) reports and drawings of a Hazardous Environmental Condition, if any, which has been identified in the Supplementary Conditions as provided in paragraph 5.06 of the General Conditions.

E. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies. and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the Site which may affect costs, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents to be employed by Bidder, and safety precautions and programs incident thereto.

F. Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.

G. Bidder is aware of the general nature of the work to be performed by the County and others at the Site that relates to the Work as indicated in the Bidding Documents.

H. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents.

I. Bidder has given Engineer of Record written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer of Record is acceptable to Bidder.

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J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

4.01 Bidder further represents that this Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over the County.

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following prices(s): Insert Pricing Directly into PlanetBids in the Line Items Tab.

All specific cash allowances are included in the price(s) set forth in the prices bid and have been computed in accordance with paragraph 13.02 of the General Conditions.

Unit prices have been computed in accordance with Paragraph 13.03.B of the General Conditions.

Bidder acknowledges that estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids. Final payment of all Unit Price Bid Items will be based on actual quantities as determined in the Contract Documents.

6.01 Bidder agrees that the Work will be substantially complete within **500** calendar days after the date when the Contract Times commence to run as provided in paragraph 4.01 of the General Conditions, and completed and ready for final payment in accordance with paragraph 15.06.B of the General Conditions within **45** calendar days from the date of substantial completion. Total contract time shall be **545** calendar days; for everyday the work goes beyond substantial completion, a day will be removed from final completion so the total days equal **545** calendar days.

Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the times specified above, which shall be stated in the Agreement.

7.01 The following documents are attached to and made a condition of this Bid:

A. Bid Security in the form of a certified check of Bid Bond (Section 00 4315)
B. Tabulation of Subcontractors & Suppliers (Section 00 4335)
C. Florida Trench Safety Act Certification (Section 00 44 55)
D. Bidder's Qualification Statement (Section 00 4513)
E. Drug-Free Workplace Certificate (Section 00 4520)
F. Public Entity Crimes Statement (Section 00 45 30)
G. Qualifications Statement (Section 00 4535)
H. LAP Certification of Current Capacity (525-010-46)
I. LAP Certification for Disclosure of Lobbying Activities (375-030-33)
J. LAP Disclosure of Lobbying Activities (375-030-34)
K. LAP Non-collusion Declaration (575-060-13)
L. LAP Certification Regarding Debarment, etc. (373-030-32)

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M. Additional LAP Provisions

8.01 The terms used in this Bid with initial capital letters have the meanings indicated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

[Remainder of the page is intentionally blank.]

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SUBMITTED on MAY 15TH, 20 25.

State Contractor License No. CGC 060909

If Bidder is:

An Individual

Name (typed or printed): _____

By: _____
(Individual's Signature)

Doing business as: _____

Business address: _____

_____

Phone No.: _____ Fax No.: _____

A Partnership

Partnership Name: _____

By: _____
(Signature of general partner - attach evidence of authority to sign)

Name (typed or printed): _____

Business address: _____

_____

Phone No.: _____ Fax No.: _____

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A Corporation

Corporation Name: Anderson Columbia Co., Inc. (SEAL)

State of Incorporation: Florida

Type (General Business, Professional, Service, Limited Liability): GENERAL BUISNESS

By: _____

(Signature - attach evidence of authority to sign)

Name (typed or printed): E. Tony Williams Jr.

Title: Vice President (CORPORATE SEAL)

_____

Attest Brian P. Schreiber, Secretary

(Signature of Corporate Secretary)

Business address: 871 NW Guerdon Street, Lake City, FL. 32056

Phone No.: 386.752.7585 Ext. 224 Fax No.: 386.755.9132

Date of Qualification to do business is MARCH 7TH 1988

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A Joint Venture

Joint Venturer Name: _____

By: _____

(Signature of joint venture partner - attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business address: _____

_____

Phone No.: _____ Fax No.: _____

Joint Venturer Name: _____

By: _____

(Signature of joint venture partner - attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business address: _____

_____

Phone No.: _____ Fax No.: _____

Phone and FAX Number, and Address for receipt of official communications:

_____

_____

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in a manner indicated above.)

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SECTION 00 43 15

BID BOND

Any singular reference to Bidder, Surety, Owner, or other party shall be considered plural where applicable.

BIDDER (Name and Address):
Anderson Columbia Co., Inc.
871 NW Guerdon Street, Lake City, FL. 32056

SURETY (Name and Address of Principal Place of Business):
Travelers Casualty and Surety Company of America
and Berkshire Hathaway Specialty Insurance Company
One Tower Square, Hartford CT 06183 and
1314 Douglas St., Suite 1300, Omaha, NE 68102

OWNER (Name and Address):
NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS
96135 BASSAU PLACE, SUITE 1
YULEE, FLORIDA 32097

BID

Bid Due Date: 5/15/2025

Project (Brief Description Including Location):
RESURFACING AND SAFETY IMPROVEMENTS CR 121 FROM DUVAL COUNTY LINE TO CR 119 (PHASE 1) NC25-012-ITB
RECONSTRUCTION AND RESURFACING OF CR 121

BOND

Bond Number: Bid Bond

Date (Not later than Bid due date): 5/15/2025

Penal Sum: Five percent of the amount bid (Words) 5% of the amount bid (Figures)

Surety and Bidder, intending to be legally bound hereby, subject to the terms printed on the reverse side hereof, do each cause this Bid Bond to be duly executed on its behalf by its authorized officer, agent, or representative.

BIDDER

Anderson Columbia Co., Inc. (Seal)
Bidder's Name and Corporate Seal

By: _____
Signature and Title
E. Tony Williams Jr., Vice President

Attest: _____
Signature and Title
Brian P. Schreiber, Secretary

SURETY

Travelers Casualty and Surety Company of America
and Berkshire Hathaway Specialty Insurance Company
_____ (Seal)
Surety's Name and Corporate Seal

By: _____
Signature and Title Kevin R. Wojtowicz. Attorney-in-Fact
(Attach Power of Attorney)

Attest: _____
Signature and Title Amy Scott. Witness

Note: Above addresses are to be used for giving required notice.

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9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.

10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.

11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.

[Remainder of the page is intentionally blank.]

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TRAVELERS

Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **KEVIN R WOJTOWICZ** of **ST PETERSBURG**, **Florida**, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **21st** day of **April, 2021**.

State of Connecticut

City of Hartford ss.

By: _____
Robert L. Raney, Senior Vice President

On this the **21st** day of **April, 2021**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June, 2026**

_____
Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **15th** day of **May**, **2025**

_____
Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.

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Berkshire Hathaway Specialty Insurance

Power Of Attorney

BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY
NATIONAL INDEMNITY COMPANY / NATIONAL LIABILITY & FIRE INSURANCE COMPANY

Know all men by these presents, that **BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY**, a corporation existing under and by virtue of the laws of the State of Nebraska and having an office at One Lincoln Street, 23rd Floor, Boston, Massachusetts 02111, **NATIONAL INDEMNITY COMPANY**, a corporation existing under and by virtue of the laws of the State of Nebraska and having an office at 3024 Harney Street, Omaha, Nebraska 68131 and **NATIONAL LIABILITY & FIRE INSURANCE COMPANY**, a corporation existing under and by virtue of the laws of the State of Connecticut and having an office at 100 First Stamford Place, Stamford, Connecticut 06902 (hereinafter collectively the "Companies"), pursuant to and by the authority granted as set forth herein, do hereby name, constitute and appoint: **Kevin R. Wojtowicz, 1000 Central Avenue, Suite 200 of the city of St. Petersburg, State of Florida,** their true and lawful attorney(s)-in-fact to make, execute, seal, acknowledge, and deliver, for and on their behalf as surety and as their act and deed, any and all undertakings, bonds, or other such writings obligatory in the nature thereof, in pursuance of these presents, the execution of which shall be as binding upon the Companies as if it has been duly signed and executed by their regularly elected officers in their own proper persons. **This authority for the Attorney-in-Fact shall be limited to the execution of the attached bond(s) or other such writings obligatory in the nature thereof.**

In witness whereof, this Power of Attorney has been subscribed by an authorized officer of the Companies, and the corporate seals of the Companies have been affixed hereto this date of August 24, 2023. This Power of Attorney is made and executed pursuant to and by authority of the Bylaws, Resolutions of the Board of Directors, and other Authorizations of **BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY, NATIONAL INDEMNITY COMPANY** and **NATIONAL LIABILITY & FIRE INSURANCE COMPANY**, which are in full force and effect, each reading as appears on the back page of this Power of Attorney, respectively. **The following seals of the Companies and signatures by an authorized officer of the Company may be affixed by facsimile or digital format, which shall be deemed the equivalent of and constitute the written signature of such officer of the Companies and original seals of the Companies for all purposes regarding this Power of Attorney, including satisfaction of any signature and seal requirements on any and all undertakings, bonds, or other such writings obligatory in the nature thereof, to which this Power of Attorney applies.**

BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY,

By: _____
David Fields, Executive Vice President

NATIONAL INDEMNITY COMPANY, NATIONAL LIABILITY & FIRE INSURANCE COMPANY,

By: _____
David Fields, Vice President

NOTARY
State of Massachusetts, County of Suffolk, ss:
On this 24th day of August, 2023, before me appeared David Fields, Executive Vice President of BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY and Vice President of NATIONAL INDEMNITY COMPANY and NATIONAL LIABILITY & FIRE INSURANCE COMPANY, who being duly sworn, says that his capacity is as designated above for such Companies; that he knows the corporate seals of the Companies; that the seals affixed to the foregoing instrument are such corporate seals; that they were affixed by order of the board of directors or other governing body of said Companies pursuant to its Bylaws, Resolutions and other Authorizations, and that he signed said instrument in that capacity of said Companies.
[Notary Seal]

JOHN C. SKINNER
Notary Public, Commonwealth of Massachusetts
My Commission Expires January 22, 2027

_____
Notary Public

I, Ralph Tortorella, the undersigned, Officer of **BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY, NATIONAL INDEMNITY COMPANY** and **NATIONAL LIABILITY & FIRE INSURANCE COMPANY**, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies which is in full force and effect and has not been revoked. IN TESTIMONY WHEREOF, see hereunto affixed the seals of said Companies this May 15, 2025.

_____
Ralph Tortorella, Officer

To verify the authenticity of this Power of Attorney please contact us at: BHSI Surety Department, Berkshire Hathaway Specialty Insurance Company, One Lincoln Street, 23rd Floor Boston, MA 02111 | (770) 625-2516 or by email at Jennifer.Porter@bhspecialty.com. *THIS POWER OF ATTORNEY IS VOID IF ALTERED*

To notify us of a claim please contact us on our 24-hour toll free number at (855) 453-9675, via email at claimsnotice@bhspecialty.com, via fax to (617) 502-8259, or via mail.

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SECTION 00 43 35

TABULATION OF SUBCONTRACTORS & SUPPLIERS

The undersigned states that the following is a full and complete list of the proposed subcontractors and suppliers on this Project and the class of work to be performed by each, and that such list will not be added to nor altered without written consent to the Owner through the Engineer.

	SUBCONTRACTOR OR SUPPLIER AND ADDRESS	CLASS OF WORK OR MATERIAL
1.	TOTAL CONCRETE REPAIRS,INC. 4750 CISCO DR. W JACKSONVILLE, FL. 32219	CONCRETE FLAT WORK
2.	BOBS BARRIVADES INC 921 SHOTGUN RD SUNRISE, FL. 33326	MOT
3.	TRP CONSTRUCTION GROUP 3501 SANFORD AVE SANFORD, FL. 32773	PAINTED PAVEMENT MARKINGS
4.		
5.		
6.		
7.		

BIDDER: Anderson Columbia Co., Inc.

By: E Tony Williams

Name: E. Tony Williams Jr.

Title: Vice President

Date: MAY 15TH 2025

ANDERSON COLUMBIA CO., INC. CORPORATE SEAL 1968

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SECTION 00 44 55

FLORIDA TRENCH SAFETY ACT CERTIFICATION

Bidder acknowledges that included in the various items of the proposal and in the Total Bid Price are costs for complying with the Florida Trench Safety Act (90-96, Laws of Florida) as modified October 1, 2008. The Bidder further identifies the costs to be summarized below:

	Cost
1. Trench Safety Act Compliance	$ 10,000.00
2. Special Shoring	$ N/A

Identify method of compliance forItem#1: SLOPE & SHORE

Identify or attach a copy of Special Shoring requirements for Item#2: N/A

The undersigned certifies that he/she is the Contractor who will perform the trench excavation for this project, and hereby gives written assurance that Contractor will comply with the applicable trench safety standards specifically set forth in Florida's Trench Safety Act, Laws of Florida, 90-96.

BIDDER: Anderson Columbia Co., Inc.

By: E. Tony Williams

Name: E. Tony Williams Jr.

Title: Vice President

State of: Florida

County of: Columbia

Sworn to (or affirmed) and subscribed before me by means of X physical presence or ____online notarization, this 15TH day of MAY, 20 25.

Personally known ____ or Produced Identification ____

(Specify type of Identification)

AMANDA ADAMS
Notary Public - State of Florida
Commission # HH 273353
My Comm. Expires Jun 7, 2026
Bonded through National Notary Assn.

Notary Public Amanda Adams

June 7th 2026
My commission expires

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SECTION 00 45 13

STATEMENT OF BIDDER'S QUALIFICATIONS

To: NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS Project: RESURF & SAFETY IMPROVEMENTS CR 121 FROM DUVAL CO. LINE TO CR 119 (PHASE 1)

Date: MAY 9TH 2025

The following experience record, as of date shown, shall be submitted to the County with the Bid Form. All questions shall be answered fully. Bidders who have qualified to bid on other projects for this County within the last 12 months need not resubmit this form unless specifically requested by the County. The contents of this form will be considered confidential to the extent allowed by applicable laws and regulations.

Name of Bidder: Anderson Columbia Co., Inc.

Business Address: 891 NW GUERDON ST.
Street

LAKE CITY | FL | 32056
City | State | Zip Code

1. Number of years in business as a Contractor under the present: 68 YEARS

   Business Name Anderson Columbia Co., Inc.

   As Principal Contractor X As a Sub-Contractor _____

2. Class of work you are equipped to perform: ROAD CONSTRUCTION- SEE ATTACHED CERTIFICATE OF QUALIFICATION

3. Class of work you usually sublet: ALL ITEMS LISTED ON CERTIFICATE OF QUALIFICATION

4. Have any members of your concern ever operated under any other business name? NO.
   If so, give details: _____

5. Have you ever failed to qualify as a responsible bidder? NO. If so, give details.

6. Have you ever refused to enter into a contract after the award is made to you? NO.
   If so, give details. _____

7. Have you ever failed to complete any work? NO. If so, give details:

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8. Has any surety or financial institution ever experienced loss on your concern? NO.

If so, give details: _____

9. Give name and address of the County, type of work, and the contract amount of at least three projects completed in the last three years:

	(1)	(2)	(3)
Project Owner:	FDOT	FDOT	FDOT
Project Manager:	JOSH MCDOUGAL	JOSH MCDOUGAL	JOSH MCDOUGAL
Email:	RENASIA.SCOTT@DOT.STATE.FL.US		
Phone No:	850.414.4015		
Address:	ALACHUA CO-T2864	COLUMBIA-T2839	GILCHRIST- T2929
City, State, Zip:			
Type of Work:		ROAD CONSTRUCTION	
Contract Amt:	$ 2,568,963.54	$ 31,969,186.10	$ 2,525,783.43

10. Give name and address of the County, type of work, and contract amount of projects now in process of construction:

	Name	Address	Type of Work	Contract Amount
A.	SEE ATTACHED STATUS OF CONTRACTS ATTACHED.			$
B.				$
C.				$
D.				$
E.				$

11. Indicate your experience in the construction of work similar to this project (if not demonstrated by Questions 9 and 10, above):

DEMONSTRATED BY 9 & 10

12. Give construction experience of principal individuals of your organization:

	Name	Position	Years of Experience	Size and Type of Work
A.	E. TONY WILLIAMS JR	VICE PRESIDENT	35+	

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B.	DOUG BOOTH	VICE PRESIDENT	25+	
C.	GENE STRICKLAND	VICE PRESIDENT	25+	
D.				
E.				

13. Are there any judgments, suits, or claims pending against you? NO. If so, give details:

14. Does your organization operate as a corporation, partnership, or individual? CORPORATION

A. If a corporation, when incorporated: MARCH 7TH 1988

In which state incorporated: FLORIDA

List name, title, and address of all officers:

	Name	Title	Address
(1)	JOE H ANDERSON	PRESIDENT	PO BOX 1829, LAKE CITY, FL. 32056
(2)	M.DOUGLAS ANDERSON	EXECUTIVE VP	PO BOX 1829, LAKE CITY, FL. 32056
(3)	BRIAN P. SCHREIBER	SECRETARY	PO BOX 1829, LAKE CITY, FL. 32056
(4)	E. TONY WILLIAMS JR.	VICE PRESIDENT	PO BOX 1829, LAKE CITY, FL. 32056
(5)			

B. If a partnership, date of organization:

General, Limited, or Associated? GENERAL

List name, address, and proportional interest of parties:

	Name	Address	Proportional Interest
(1)			
(2)			
(3)			
(4)			
(5)			

15. If requested prior to award of contract, provide to the County an accurate, up to date, condensed financial statement on a separate sheet attached to these qualifications of the individual, co-partnership, or corporation.

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The undersigned hereby declares and certifies that the foregoing is a true statement of the experience and condition of the organization, therein first given and that any agency or individual herein named authorized to supply any information as may be deemed necessary to verify this statement.

Signed _____

Title E. Tony Williams Jr., Vice President

State of: Florida

County of: Columbia

Sworn to (or affirmed) and subscribed before me by means of X physical presence or ___ online notarization, this 15TH day of MAY, 20 25.

Personally known _____ or Produced Identification _____

(Specify type of Identification)

AMANDA ADAMS
Notary Public - State of Florida
Commission # HH 273353
My Comm. Expires Jun 7, 2026
Bonded through National Notary Assn.

_____
Notary Public Amanda Adams

June 7th 2026
My commission expires

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SECTION 00 45 20

DRUG FREE WORKPLACE CERTIFICATE

I, the undersigned, in accordance with Florida Statute 287.087, hereby certify that _____

Anderson Columbia Co., Inc. (print or type name of firm)

- Publishes a written statement notifying that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance in the workplace named above and specifying actions that will be taken against violations of such prohibition.

- Informs employees about the dangers of drug abuse in the workplace, the firm's policy of maintaining a drug free working environment, and available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug use violations.

- Gives each employee engaged in providing commodities or contractual services that are under bid or proposal, a copy of the statement specified above.

- Notifies the employees that as a condition of working on the commodities or contractual services that are under bid or proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, plea of guilty or nolo contendere to, any violation of Chapter 1893, or any controlled substance law of the State of Florida or the United States, for a violation occurring in the work place, no later than five (5) days after such conviction, and requires employees to sign copies of such written statement to acknowledge their receipt.

- Imposes a sanction on, or requires the satisfactory participation in, a drug abuse assistance or rehabilitation program, if such is available in the employee's community, by any employee who is so convicted.

- Makes a good faith effort to continue to maintain a drug free workplace through the implementation of a drug free workplace program.

"As a person authorized to sign a statement, I certify that the above-named business, firm, or corporation complies fully with the requirements set forth herein."

E. Tony Williams Jr., Vice President Authorized Signature

MAY 15TH 2025

Date Signed

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

State of: Florida

County of: Columbia

Sworn to and subscribed before me by means of X physical presence or _ online notarization, this 15TH day of MAY, 2025.

Personally known _____ or Produced Identification _____

(Specify type of Identification)

Notary Public Amanda Adams

June 7th 2026

My commission expires

AMANDA ADAMS
Notary Public - State of Florida
Commission # HH 273353
My Comm. Expires Jun 7, 2026
Bonded through National Notary Assn.

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SECTION 00 45 30

SWORN STATEMENT UNDER SECTION 287.133(3)(a), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

(To be signed in the presence of a notary public or other officer authorized to administer oaths.)

STATE OF Florida
COUNTY OF Columbia

Before me, the undersigned authority, personally appeared E. Tony Williams Jr., who being by me first duly sworn, made the following statement:

1. The business address of Anderson Columbia Co., Inc. (firm name of Bidder/Contractor) is 871 NW Guerdon Street, Lake City, FL. 32056

2. My relationship to Anderson Columbia Co., Inc. (firm name of Bidder/Contractor) is Vice President (relationship such as sole proprietor, partner, president, vice president)

3. I understand that a public entity crime as defined in Section 287.133 of the Florida Statutes includes a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity in Florida or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or such an agency or political subdivision and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

4. I understand that "convicted" or "conviction" is defined by the statute to mean a finding of guilt or a conviction of a public entity crime, with or without adjudication or guilt, in any federal or state trial of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

5. I understand that "affiliate" is defined by the statute to mean (1) a predecessor or successor of a person or a corporation convicted of a public entity crime; or (2) an entity under control of any natural person with is active in management of the entity and who has been convicted of a public entity crime; (3) those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate; or (4) a person or corporation who knowingly entered into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months.

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6. Neither the Bidder/Contractor nor any officer, director, executive, partner, shareholder, employee, member, or agent who is active in the management of the Bidder/Contractor, nor any affiliate of the Bidder/Contractor, has been convicted of a public entity crime subsequent to July 1,1989.

(Draw a line through Paragraph 6 if Paragraph 7 below applies.)

7. There has been a conviction of a public entity crime by Bidder/Contractor, or an officer, director, executive, partner, shareholder, employee, member, or agent of the Bidder/Contractor who is active in the management of the Bidder/Contractor or an affiliate of the Bidder/Contractor. A determination has been made pursuant to 287.133(3) by order of the Division of Administrative Hearings that it is not in the public interest of the name of the convicted person or affiliate to appear on the convicted vendor list.
The name of the convicted person or affiliate is_____.

A copy of the order of the Division of Administrative Hearings is attached to this

statement. (Draw a line through Paragraph 7 if Paragraph 6 above applies.)

COLUMBIA CO., INC. CORPORATE SEAL FLORIDA

(Signature) E. Tony Williams Jr., Vice President

Sworn to and subscribed before me by means of X physical presence or _ online notarization, in the State and County first mentioned above on the 15TH day of MAY 20 25.

Notary Public Amanda Adams

(affix seal)

June 7th 2026
My commission expires

AMANDA ADAMS
Notary Public · State of Florida
Commission # HH 273353
My Comm. Expires Jun 7, 2026
Bonded through National Notary Assn.

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General Information

Provide contact information for the Business:

Legal Name of Business:	Anderson Columbia Co., Inc.		
Corporate Office			
Name:	E. Tony Williams Jr.	Phone number:	386.752.7585 Ext. 224
Title:	Vice President	Email address:	tony.williams@andersoncolumbia.com
Business address of corporate office:			
Local Office			
Name:	E. Tony Williams Jr.	Phone number:	386.752.7585 Ext. 224
Title:	Vice President	Email address:	tony.williams@andersoncolumbia.com
Business address of local office:	871 NW Guerdon Street, Lake City, FL. 32056		

Provide information on the Business's organizational structure:

Form of Business:	☐ Sole Proprietorship ☐ Partnership ☒ Corporation		
☐ Limited Liability Company ☐ Joint Venture comprised of the following companies:			
1.	JOE H ANDERSON, III - PRESIDENT		
2.	M. DOUGLAS ANDERSON-EXECUTIVE VICE PRESIDENT		
3.	BRIAN P. SCHREIBER- SECRETARY		
Provide a separate Qualification Statement for each Joint Venturer.			
Date Business was formed:	MARCH 8TH 1966	State in which Business was formed:	FLORIDA
Is this Business authorized to operate in the Project location?	☒ Yes ☐ No ☐ Pending		

Identify all businesses that own Business in whole or in part (25% or greater), or that are wholly or partly (25% or greater) owned by Business:

Name of business:		Affiliation:	
Address:			
Name of business:		Affiliation:	
Address:			
Name of business:		Affiliation:	
Address:			

Provide information regarding the Business's officers, partners, and limits of authority.

Name:	JOE H ANDERSON III	Title:	PRESIDNT
Authorized to sign contracts:	☒ Yes ☐ No	Limit of Authority:	$ UNLIMITED
Name:	M. DOUGLAS ANDERSON	Title:	EXECUTIVE VICE PRESIDENT

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Authorized to sign contracts: ☒ Yes ☐ No		Limit of Authority:	$ UNLIMITED
Name:	BRIAN P. SCHREIVER	Title:	SECRETARY
Authorized to sign contracts: ☒ Yes ☐ No		Limit of Authority:	$ UNLIMITED
Name:	E. TONY WILLIAMS JR.	Title:	VICE PRESIDENT

Licensing

Provide information regarding licensure for Business:

Name of License:	E. TONY WILLIAMS JR.		
Licensing Agency:	STATE OF FLORIDA		
License No:	CGC 060909	Expiration Date:	8/31/26
Name of License:	ANDERSON, J H III		
Licensing Agency:	STATE OF FLORIDA		
License No:	CUC056796	Expiration Date:	8/31/26

Diverse Business Certifications

Provide information regarding Business's Diverse Business Certification, if any. Provide evidence of current certification.

Certification	Certifying Agency	Certification Date
☐ Disadvantaged Business Enterprise		
☐ Minority Business Enterprise		
☐ Woman-Owned Business Enterprise		
☐ Small Business Enterprise		
☐ Disabled Business Enterprise		
☐ Veteran-Owned Business Enterprise		
☐ Service-Disabled Veteran-Owned Business		
☐ HUBZone Business (Historically Underutilized) Business		
☐ Other		
☐ None		

Safety

Provide information regarding Business's safety organization and safety performance.

Name of Business's Safety Officer:	RUSSELL AKERS	
Safety Certifications		
Certification Name	Issuing Agency	Expiration
FDOT ADVANCED MOT	FDOT	FEB 2029
OSHA CONSTRUCTION	OSHA	JUNE 2027

Provide Worker's Compensation Insurance Experience Modification Rate (EMR), Total Recordable Frequency Rate (TRFR) for incidents, and Total Number of Recorded Manhours (MH) for the last 3 years and the EMR, TRFR, and MH history for the last 3 years of any proposed Subcontractor(s) that will provide Work valued at 10% or more of the Contract Price. Provide documentation of the EMR history

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for Business and Subcontractor(s).

Year	2022			2023			2024		
Company	EMR	TRFR	MH	EMR	TRFR	MH	EMR	TRFR	MH
	1.09	1.21	2.3MM	1.01	1.23	2.9MM	0.75	1.45	3.3MM

Financial

Provide information regarding the Business's financial stability. Provide the most recent audited financial statement, and if such audited financial statement is not current, also provide the most current financial statement.

FINANCIAL INFORMATION WILL BE PROVIDED IF LOW BIDDER

Financial Institution:		
Business address:		
Date of Business's most recent financial statement:		☐ Attached
Date of Business's most recent audited financial statement:		☐ Attached
Financial indicators from the most recent financial statement		
Contractor's Current Ratio (Current Assets ÷ Current Liabilities)		
Contractor's Quick Ratio ((Cash and Cash Equivalents + Accounts Receivable + Short Term Investments) ÷ Current Liabilities)		

Surety Information

Provide information regarding the surety company that will issue required bonds on behalf of the Business, including but not limited to performance and payment bonds.

Surety Name:	TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA AND BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY		
Surety is a corporation organized and existing under the laws of the state of:	CT/NE		
Is surety authorized to provide surety bonds in the Project location?	☒ Yes ☐ No		
Is surety listed in "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" published in Department Circular 570 (as amended) by the Bureau of the Fiscal Service, U.S. Department of the Treasury? ☒ Yes ☐ No			
Mailing Address (principal place of business):	ONE TOWER SQUARE, HARTFORD, CT 06183 AND 1314 DOUGLAS ST., STE 1400, OMAHA, NE 68102		
Physical Address (principal place of business):	SEE ABOVE		
Phone (main):	860.277.0111/800.475.4477	Phone (claims):	SEE LEFT

Insurance

Provide information regarding Business's insurance company(s), including but not limited to its Commercial General Liability carrier. Provide information for each provider.

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Name of insurance provider, and type of policy (CLE, auto, etc.):	
Insurance Provider	Type of Policy (Coverage Provided)
SAFETY NATIONAL CASUALTY CORPORTATION	GENERAL LIABILITY
SAFETY NATIONAL CASUALTY CORPORTATION	AUTO LIABILITY
SAFETY NATIONAL CASUALTY CORPORTATION	WORKERS COMPENSATION
SAFETY NATIONAL CASUALTY CORPORTATION	UMBRELLA/EXCESS LIABILITY

Are providers licensed or authorized to issue policies in the Project location?	☒ Yes ☐ No
Does provider have an A.M. Best Rating of A-VII or better?	☒ Yes ☐ No

Mailing Address (principal place of business):	15509 COLLECTIONS CENTER DR. CHICAGO, IL 60693
Physical Address (principal place of business):	SEE ABOVE

Phone (main):	314.955.5300	Phone (claims):	

Construction Experience

Provide information that will identify the overall size and capacity of the Business.

Average number of current full-time employees:	1488
Estimate of revenue for the current year:	$725,000,000
Estimate of revenue for the previous year:	$572,685,000

Provide information regarding the Business's previous contracting experience.

Years of experience with projects like the proposed project:	68 YEARS			
As a general contractor:	68 YRS	As a joint venturer:		
Has Business, or a predecessor in interest, or an affiliate identified in Paragraph 1.03:				
Been disqualified as a bidder by any local, state, or federal agency within the last 5 years? ☐ Yes ☒ No				
Been barred from contracting by any local, state, or federal agency within the last 5 years? ☐ Yes ☒ No				
Been released from a bid in the past 5 years? ☐ Yes ☒ No				
Defaulted on a project or failed to complete any contract awarded to it? ☐ Yes ☒ No				
Refused to construct or refused to provide materials defined in the contract documents or in a change order? ☐ Yes ☒ No				
Been a party to any currently pending litigation or arbitration? ☐ Yes ☒ No				
Provide full details in a separate attachment if the response to any of these questions is Yes.				

List all projects currently under contract in Schedule A and provide indicated information.

List a minimum of three and a maximum of six projects completed in the last 5 years in Schedule B and provide indicated information to demonstrate the Business's experience with projects similar in type and cost of construction.

In Schedule C, provide information on key individuals whom Business intends to assign to the Project. Provide resumes for those individuals included in Schedule C. Key individuals include the Project

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Manager, Project Superintendent, Quality Manager, and Safety Manager. Resumes may be provided for Business's key leaders as well.

Required Attachments

Provide the following information with the Statement of Qualifications:

If Business is a Joint Venture, separate Qualifications Statements for each Joint Venturer, as required in Paragraph 1.02.

Diverse Business Certifications if required by Paragraph 3.01.

Certification of Business's safety performance if required by Paragraph 4.02.

Financial statements as required by Paragraph 5.01.

Attachments providing additional information as required by Paragraph 8.02.

Schedule A (Current Projects) as required by Paragraph 8.03.

Schedule B (Previous Experience with Similar Projects) as required by Paragraph 8.04.

Schedule C (Key Individuals) and resumes for the key individuals listed, as required by Paragraph 8.05.

Additional items as pertinent.

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Resurfacing and Safety Improvements CR 121 from Duval County Line to CR 119 (Phase 1)
NC25-012-ITB

This Statement of Qualifications is offered by:

Business: Anderson Columbia Co., Inc.
(typed or printed name of organization)

By: E. Tony Williams Jr.
(individual's signature)

Name: E. Tony Williams Jr.
(typed or printed)

Title: Vice President
(typed or printed)

Date: MAY 15TH 2025
(date signed)

(If Business is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest: Brian P. Schreiber
(individual's signature)

Name: Brian P. Schreiber
(typed or printed)

Title: SECRETARY
(typed or printed)

Address for giving notices:
P.O. Box 1829, Lake City, FL. 32056

Designated Representative:

Name: E. Tony Williams Jr.
(typed or printed)

Title: Vice President
(typed or printed)

Address:
871 NW Guerdon Street, Lake City, FL. 32056

P.O. Box 1829, Lake City, FL. 32056

Phone: 386.752.7585 Ext. 224

Email: TONY.WILLIAMS@ANDERSONCOLUBIA.COM

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SEE STATUS OF CONTRACT ON HAND FOR CURRENT PROJECTS

Resurfacing and Safety Improvements CR 121 from Duval County Line to CR 119 (Phase 1) NC25-012-ITB

Schedule A—Current Projects

Name of Organization					
Project Owner		Project Name			
General Description of Project					
Project Cost		Date Project			
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager	
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner		Project Name			
General Description of Project					
Project Cost		Date Project			
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager	
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner		Project Name			
General Description of Project					
Project Cost		Date Project			
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager	
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

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SEE CLOSED PROJECTS FOR PREVIOUS PROJECTS

Schedule B—Previous Experience with Similar Projects

Name of Organization					
Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager		Quality Control Manager
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager		Quality Control Manager
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager		Quality Control Manager
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

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SEE CLOSED PROJECTS FOR PREVIOUS PROJECTS

Schedule B—Previous Experience with Similar Projects

Name of Organization					
Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager	
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager	
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

Project Owner			Project Name		
General Description of Project					
Project Cost			Date Project		
Key Project Personnel	Project Manager	Project Superintendent	Safety Manager	Quality Control Manager	
Name					
Reference Contact Information (listing names indicates approval to contacting the names individuals as a reference)					
	Name	Title/Position	Organization	Telephone	Email
Owner					
Designer					
Construction Manager					

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Schedule C—Key Individuals

SCHEDULE C - QUALIFICATIONS STATEMENT

Project Manager			
Name of individual		E. TONY WILLIAMS JR.	
Years of experience as project manager		35+ YEARS	
Years of experience with this organization		31+ YEARS	
Number of similar projects as project manager		MULTIPLE	
Number of similar projects in other positions		MULTIPLE	
Current Project Assignments MULTIPLE			
Name of assignment		Percent of time used for this project	Estimated project completion date
HI-DRI ACRES PAVING		ON GOING	11-2025
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name	CHAD WILLIAMS	Name	KENNETH DUDLEY
Title/Position	ENGINEER	Title/Position	COUNTY ENGINEER
Organization	COLUMBIA CO. BOCC	Organization	TAYLOR COUNTY
Telephone	386.758.1019	Telephone	850.838.3500
Email	CHAD.WILLIAMS@COLUMBIACOUNTY FLORIDA.COM	Email	
Project	MULTIPLE-CCBOCC PROJECTS	Project	MULTIPLE-TCBOCC PROJECTS
Candidate's role on project	ENGINEER	Candidate's role on project	ENGINEER
Project Superintendent			
Name of individual		ROBERT REED	
Years of experience as project superintendent		30+	
Years of experience with this organization		40+	
Number of similar projects as project superintendent		30+	
Number of similar projects in other positions		MULTIPLE	
Current Project Assignments		MULTIPLE	
Name of assignment		Percent of time used for this project	Estimated project completion date
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name	CHAD WILLIAMS	Name	KENNETH DUDLEY
Title/Position	ENGINEER	Title/Position	COUNTY ENGINEER
Organization	COLUMBIA CO. BOCC	Organization	TAYLOR COUNTY
Telephone	386.758.1019	Telephone	850.838.3500
Email	CHAD.WILLIAMS@COLUMBIACOUNTY FLORIDA.COM	Email	
Project	MULTIPLE-CCBOCC PROJECTS	Project	MULTIPLE-TCBOCC PROJECTS
Candidate's role on project	ENGINEER	Candidate's role on project	ENGINEER

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Safety Manager			
Name of individual	RUSSELL AKERS		
Years of experience as project manager	17 YEARS EXPERIENCE		
Years of experience with this organization	30		
Number of similar projects as project manager	20-30		
Number of similar projects in other positions			
Current Project Assignments			
Name of assignment		Percent of time used for this project	Estimated project completion date
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name	CHAD WILLIAMS	Name	KENNETH DUDLEY
Title/Position	COLUMBIA CO. ENGINEER	Title/Position	COUNTY ENGINEER
Organization	COLUMBIA CO.	Organization	TAYLOR CO.
Telephone	386.719.9985	Telephone	850.838.3500
Email		Email	
Project		Project	MULTIPLE
Candidate's role on project	ENGINEER	Candidate's role on project	

Quality Control Manager			
Name of individual	CHRIS HARRIS		
Years of experience as project superintendent	22 YEARS OF EXPERIENCE		
Years of experience with this organization	30+		
Number of similar projects as project superintendent	MULTIPLE		
Number of similar projects in other positions	MULTIPLE		
Current Project Assignments			
Name of assignment		Percent of time used for this project	Estimated project completion date
Reference Contact Information (listing names indicates approval to contact named individuals as a reference)			
Name	CHAD WILLIAMS	Name	KENNETH DUDLEY
Title/Position	COLUMBIA CO. ENGINEER	Title/Position	COUNTY ENGINEER
Organization	COLUMBIA CO.	Organization	TAYLOR COUNTY
Telephone	386-719-9985	Telephone	850.838.3500
Email		Email	
Project	MULTIPLE	Project	MULTIPLE
Candidate's role on project		Candidate's role on project	

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/2/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Acrisure Southeast Partners Insurance Services LLC 1317 Citizens Blvd Leesburg FL 34748	**CONTACT NAME:** Brittany Beck **PHONE (A/C, No, Ext):** 404-809-2530 **FAX (A/C, No):** 404-809-2531 **E-MAIL ADDRESS:** bbeck@acrisure.com
INSURED ANDECOL-02 Anderson Columbia Co., Inc. P.O. Box 1829 Lake City FL 32056	**INSURER(S) AFFORDING COVERAGE** / **NAIC #** **INSURER A :** Indemnity National Insurance Company / 18468 **INSURER B :** Safety National Casualty Corporation / 15105 **INSURER C :** Allied World National Assurance Company / 10690 **INSURER D :** **INSURER E :** **INSURER F :**

COVERAGES **CERTIFICATE NUMBER:** 711157384 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
B	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY [X] PRO-JECT [X] LOC OTHER:			GL 6676885	5/1/2025	5/1/2026	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$ 2,000,000 $ 300,000 $ 10,000 $ 2,000,000 $ 4,000,000 $ 4,000,000 $
B	**AUTOMOBILE LIABILITY** X ANY AUTO X OWNED AUTOS ONLY X HIRED AUTOS ONLY SCHEDULED AUTOS X NON-OWNED AUTOS ONLY			CA 6676886	5/1/2025	5/1/2026	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$ 2,000,000 $ $ $ $
B A C	**UMBRELLA LIAB** [X] OCCUR X **EXCESS LIAB** CLAIMS-MADE DED RETENTION $			XEL4069302 XS0001222 25 0314-6674	5/1/2025 5/1/2025 5/1/2025	5/1/2026 5/1/2026 5/1/2026	EACH OCCURRENCE AGGREGATE $	$ 10,000,000 $ 10,000,000 $
B	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N [N] **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		SP 4066411	4/1/2025	4/1/2026	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

EVIDENCE OF COVERAGE

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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CLOSED PROJECTS

ACCI NO.	FIN Number	Contract No.	Description	RESPONDANT	Original Contract Amount	Final Contract Amt.	Final Acceptance
219102	437613-15201	T2733	SR 228 from I-10 Underpass to US 90 in Baker Co	Josh McDougal	1,682,749.57	1,453,564.07	03/19/20
219113	410212-57216/410212-6	E2Y45	Baker, Columbia & Suwannee Co Maint	Tony Williams	262,000.00	262,000.00	05/20/20
319103	436820-12501	T3706	CR 280 (Shady Grove) from SR 69 to CR 286 (Blueberry Dr) in Jackson Co	Bryan Buchanan	2,063,749.46	2,000,236.96	04/27/20
518109	212844-35201/ 415248-1	T2709	CR 361 (Keaton Beach Rd) over Cypress Crk Br & Fish Crk Br in Taylor Co	Jake Beauchamp	3,462,427.80	3,506,155.64	05/08/20
818102	438879-5201/43879-152	T5624	SR 200 (College Dr) from S of CR 484 to N of SW 60th Ave in Marion Co	Doug Booth	9,260,071.09	9,156,362.80	05/14/20
218112	434295-15201	T2715	SR 10 (US 90) from Madison Co Line to CR 49 in Suwannee Co	Josh McDougal	9,178,869.86	8,854,491.84	05/12/20
219106	437610-15201	T2746	SR 6 From US-90 to the Hamilton Co Line in Madison Co	Josh McDougal	3,853,383.13	3,707,586.77	05/22/20
219109	443489-15201	T2766	SR 93 (I-75) through Paynes Prairie in Alachua Co. (Guardrail)	AJ Land	1,081,333.33	1,018,370.80	06/16/20
319104	436499-25201/439723-1	T3703	SR 276 (Penn Ave) from CR 10A/Old Cottondale Ave to S of SR 10 (US90) in Jackson Co	Bryan Buchanan	2,456,080.85	2,554,700.95	10/02/20
219111	438075-15201/438077-1	E2Y84	SR 26 WB Right Turn Lane @ SE 70th Ave in Gilchrist Co	Josh McDougal	1,543,447.17	1,518,031.85	10/23/20
319106	439722-15201	T3724	SR 75 (US 231) from N of SR 73 to N of CR 162 (Jacob Rd) in Jackson CO	Bryan Buchanan	4,652,882.49	4,673,127.24	11/30/20
219108	439116-15201	T2748	SR 49 (US 129)/(Main St) from End of Curb & Gutter to Hilliard Ave in Gilchrist CO	Josh McDougal	4,749,616.61	4,774,009.59	09/15/20
219110	211728-15201/ 437405-1	T2751	CR 339 Over the Wacasassa River and Over Little Waccasassa River in Levy Co	Josh Hamm	3,950,551.78	4,264,591.75	12/23/20
219112	438650-25201/438650-2	E2Y85	I-10 Baker/Columbia Co EB Rest Area Force Main Improvements	Tony Williams	3,884,320.25	3,768,426.78	04/02/21
520104	445465-15201	E3T49	SR 8(I-10) W/B Bridge over CR 268A in Gadsden Co	Zach Lawson	1,331,979.98	1,344,020.70	04/13/21
320101	439724-15201	T3744	SR 273 from Washington Co Line to US 231 in Jackson Co	Bryan Buchanan	5,906,321.45	5,961,005.30	04/30/21
819101	440311-15201/440311-1	E5Z67	I-75 Wildwood Weight Station - Marion Co	Austin Miller	11,314,430.29	12,026,186.02	03/14/21
520105	437202-15201	T3717	CR 278 (Pioneer Rd) Over Piney Branch (existing Br No. 610020) in Washington CO	Zach Lawson	770,613.25	775,381.04	05/04/21
518101	212724-25201	T2703	CR 250 at Suwannee River Bridge in Suwannnee/Lafayette Co	Kevin Lamar	11,717,625.30	10,334,161.79	05/03/21
520103	442913-15201	E3T35	SR (8 (I-10) E/B Bridge over Perdido River in Escambia CO	Zach Lawson	1,454,220.96	1,309,919.43	06/03/21
220110	441543-15201	T3746	SR 20 (US 27) from Leon Co Line to W of Chittling St in Jefferson Co	Tara Beauchamp	4,283,737.74	4,570,358.92	07/22/21
220104	441258-15201	T2760	SR 10 (US 90) from Baya Ave to Llewellyn Ave in Columbia Co	Tony Williams	6,493,174.94	6,125,057.10	07/24/21
318105	220495-85201/220495-8	T3646	SR 369 (US 319) from N of SR 267 to Leon Co Line in Wakulla CO	Jason Barber	15,646,589.29	15,198,000.41	07/16/21
220101	439399-15201	T2758	SR 21 from the Putnam Co Line to N of Commercial Cir in Bradford/Clay CO	Josh McDougal	6,913,039.65	6,432,457.43	08/16/21
320104	437753-15201	T3751	SR 81 at CR 183 and CR 181 in Walton CO	Kevin Buchanan	2,569,909.00	2,498,655.86	08/24/21
219114	433957-15201	T2752	CR 231over New River in Union Co	Josh McDougal	6,416,755.21	6,301,582.86	09/10/21
220108	441059-15201	T2787	SR 55 (US 19) from MP 7.831 to Fenholloway River in Taylor Co	Tara Beauchamp	13,904,802.75	14,430,355.29	09/15/21
219103	428455-15201	T2743	Jacksonville National Cemetery Access Rd, from Lannie Rd to Arnold Rd in Duval Co	Josh McDougal	12,559,203.83	13,241,202.31	10/27/21
220211	439497-15801	G1K51	CR 23A from CR 125 to SR 121 in Baker Co	Josh McDougal	1,962,480.63	2,423,779.12	09/17/21
820101	441060-15201	T2781	SR 500 (US 27) from W of CR 124 to W of SR 24 in Levy Co	Tony Williams	5,821,572.85	5,882,043.23	10/27/21
821102	423391-17212	E5V61	District V Maintenance	Mike Lemke	750,212.25	781,699.93	10/21/21
221206	439469-15801	G1K50	SR 55A	Dylan Reed	318,555.77	318,555.77	10/18/21
319105	439725-15201	T3730	SR 77 from end of curb & gutter Southport to S of Washington Co Line in Bay Co	Jason Barber	13,201,615.01	13,656,478.40	11/29/21
321101	441542-15201	E3T51	SR 10 (US 90) from CR 4 to Antioch Rd to Old Bethel Rd in Okaloosa Co	Hampton Jordon	1,940,669.08	2,038,309.97	12/16/21
320103	436273-15201	T3725	SR 189 from SR 4 to the Alabama State Line in Okaloosa Co	Hampton Jordon	6,407,925.11	6,913,503.66	01/19/22
321109	443657-25201	E3U12	US 90 from Washington Co Line to W of US 231 in Jackson Co	Kevin Buchanan	2,742,031.35	2,770,404.75	03/02/22
821101	441014-15201	T5706	SR 44 from the Citrus Co Line to West of I-75 in Sumter Co	Austin Miller	6,490,690.50	7,282,431.33	03/18/22
220109	441337-15201	T2784	I-10 from Madison Co Line to US 90 in Suwannee Co	Josh McDougal	8,801,979.92	8,592,792.80	03/03/22
221101	433171-45201	E20C5	CR 18 Rail to Trail from CR 325 to SE 36th Ave, Bradford Co.	Dylan Reed	1,735,612.84	1,633,712.42	05/05/22
221218	435680-25801	G1I37	CR 351A/NE 223 Ave Connector Trail in Dixie Co	Josh McDougal	203,341.72	173,781.77	05/11/22
321103	439740-15201	E3T55	SR 75 (US 231) frm Bay Co Line to Pike Pond Rd in Jackson Co	Bryan Buchanan	5,227,145.29	5,610,786.07	05/31/22
221105	441544-15201	E3T54	SR 55, Jefferson Co from Madison Co Line to Georgia State Line	Tara Beauchamp	3,673,282.08	3,661,765.84	06/27/22
322103	443646-15201; 443646-1	T3820	SR 2 (White Ave) From Holmes Co. Line to SR 77 (Cotton St)	Bryan Buchanan	833,892.47	840,695.72	07/21/22
520107	437406 15201	T2792	CR 361; Over Clearwater Creek Br, Taylor Co.	Kevin Lamar	2,747,193.62	2,789,106.98	07/13/22
222101	443262-15201	T2825	SR 100A from US 41 to US 441	Josh McDougal	698,919.34	656,099.33	06/28/22
220111	442581-15201	T2788	I-75, Columbia Co from N of SR 47 to S of US 90	Dylan Reed	7,945,667.28	8,422,015.36	07/07/22
222105	410215-57239	E20I3		Dylan Reed	328,045.50	328,045.50	08/04/22
221106	432316-15201	T2820	SR 53 From SR 10 (US 90) To the Georgia St. Line	Josh McDougal	6,513,333.00	6,718,602.03	08/05/22
221108	443332-15201	T2831	SR 47 From Walter Little Rd. To SW Brentwood Way	Josh McDougal	1,605,412.54	1,514,895.42	07/14/22
321102	439731-15201;445671-1	T3769	SR 75 (US 231) From S of SR 8 (I-10) To S of SR 10 (US 90) Jackson Co.	Bryan Buchanan	4,598,873.47	4,782,885.23	09/28/22
222111	433171-35201	E20S7	CR 18; Hampton Trail (CR 325-18)	Dylan Reed	886,260.44	825,975.97	11/09/22
315105-515105	217909455201;217909552	E3O15	SR 77 Multi Lane Improvements from North of CR 279 to N of Blue Lake Road	Jason Barber	57,871,400.00	67,989,297.08	09/27/22
322110	449866-15201	E3V85	SR 10 (US 90) Olaloosa Co.	Hampton Jordon	794,706.51	740,262.58	12/02/22
822102	443258-15201	T2833	SR 20 (SE Hawthorn Rd.) From CR 325 To W of US 301	Austin Miller	6,173,212.31	6,806,146.68	11/23/22
519101	411423-15201	T2739	C Street Bridge Replacement from Dock Street to 1st Street	Jake Beauchamp	6,739,298.77	9,115,309.07	01/13/23
221104	439358-15201	T2855	SR 103 (Lane Ave) From SR 208 (Wilson Blvd) To SR 228 (Normandy Blvd)	Billy Jennings	5,541,772.23	8,131,167.47	02/23/23
320108	436266-15201;436266-2	T3740	SR 20 Resurfacing on SR 20 from SR 77 to SE 75; Bay Co	Bryan Buchanan	6,166,448.53	7,655,936.10	02/15/23
322101	4436591-5201;44365915	E3U84	SR 85; Okaloosa Co	Tiffany Adams	3,230,595.63	3,378,195.71	02/16/23
222116	449129-25201	T2878	High Friction Surface Treatment, 3 Off Ramp Locations in Columbia and Duval	Williams/Billy Je	1,386,562.46	1,349,509.85	03/14/23
322108	443644-15201	T3794	SR 10 (US 90) FROM END OF 4-LANE TO THE WASHINGTON COUNTY LINE	Bryan Buchanan	2,537,432.20	2,721,406.49	03/06/23
221103	436178-15201;446295-1	T2813	SR 25 (US 41) Columbia Co from US 90 to I-10 and at Bascom Norris Dr	Joshua McDouga	6155492.27	6665942.1	01/20/23
222109	443311-15201	T2826	SR 30 (US 90) FROM CABBAGE GROVE ROAD TO US 19; TAYLOR CO.	Dylan Reed	8,657,265.91	8,099,898.65	05/05/23
221107	443313-15201	T2822	SR 10 From lake City Ave. To Baya Ave. W: Columbia Co.	Dylan Reed	9,173,879.05	9,910,698.51	06/29/23
222103	439357-1-52-01	T2827	SR 55 (SE US 19) CROSS CITY	Tara Beauchamp	6,658,468.94	7,132,055.67	06/28/23
323102	445758-15201	E3V90	SR 10 (US 90) W. JAMES LEE BLVD; OKALOOSA CO	Tiffany Adams	1,499,652.72	1,534,493.28	06/27/23
321108	433571-15201/433574-1	T3664	SR 77 Washington Co from CR 280 (Brickyard Rd) to CR 273 (South Blvd) at CR 273 Intersec	Kevin Buchanan	2,044,978.02	1,900,354.67	03/03/23
322106	43256615201	T3830	SR 85; FROM SR 20 (JOHN SIMS PKWY) TO N OR CR 190 (COLLEGE RD) OKALOOSA	Tiffany Adams	3,353,932.44	3,371,222.41	07/18/23
322114	443875-1-52-01	T3817	CR 177A from Bonifay Gritney Road to Skitter Road; Holmes Co.	Kevin Buchanan	535,084.09	583,903.88	08/02/23
821103	441136-1-52-01	T5705	SR 25 FROM 20TH ST. TO THE US-441/US-301 SPLIT; MARION CO.	Mike Lemke	15,404,684.26	18,079,252.83	08/07/23
222106	443283-1-52-01; 443283	T2847	SR 10 (US 90) FROM E OF CR 49 TO THE SUWANNEE/COLIMBIA CO. LINE	Joshua McDouga	8,536,880.97	8,987,509.62	08/31/23
521108	439371-1-52-01	T3712	CR 67; BRIDGE REPLACEMENT OVER YELLOW CREEK; LIBERTY CO.	Casey Woods	4,199,999.00	3,593,768.11	08/31/23
822104	443166-1-52-01	T5771	SR 50 FROM SR 471 TO LAKE COUNTY LINE; SUMTER CO.	Buddy Howell	3,891,608.46	3,752,878.73	09/26/23
219107	210024-4-5201	T2736	SR 20 FROM THE ALACHUA/PUTNAM CO. LINE TO SW 56TH AVE.	Austin Miller	49,333,141.99	51,145,456.00	09/09/23
222119	449129-5-52-01	T2883	High Friction Surface Treatment: I-10 WB Off Ramp, I-295 Off Ramp and I-75 SB Off Ramp in	Billy Jennings	2,185,964.42	1,926,695.97	09/29/23
322115	445632-15201	T3816	SR 2, From E of SR 71 (10th St.) To E of CR 165 (Basswood Rd.) Jackson Co.	Bryan Buchanan	3,430,507.84	3,523,880.34	10/30/23
222108	44397315201	T3802	SR 8 (I-10) JEFFERSON CO.	Dylan Reed	6,686,744.12	6,731,896.95	10/26/23
222107	443305-1-52-01	T2848	SR 21; FROM COMMERCIAL CIRCLE TO SR 16; CLAY CO	Billy Jennings	13,369,605.78	14,091,891.11	08/03/23
322109	437762-1-52-01; 437762	T3849	SR 75; FROM SR 30 (BUS 98/61H ST.) TO SR 30A (US 98/15TH ST.) BAY CO.	Jason Barber	2,961,905.78	2,868,992.70	10/04/23
322113	444043 1 52 1	T3819	SR 8 (I-10) EASTBOUND AT SR 75 (US 231) OFF-RAMP; JACKSON CO.	Bryan Buchanan	2,236,763.56	2,391,789.70	09/11/23
522101	439366-1-52-01	T3720	CR 259 BRIDGE NO. 540027 OVER ABABDONED SCL RAILROAD; JEFFERSON CO.	Casey Woods	3,077,145.60	2,402,816.13	10/30/23
222118	445401-01-52-01	T2892	SR 249 (US 129) RESURFACING FROM THE CITY OF MCALPIN TO THE CITY OF LIVE OA	Billy Jennings	9,775,622.37	9,684,705.66	12/05/23
222110	433171-5-52-01	E2I01	CR 18 TRAIL FROM SR 100 TO SE 36TH AVENUE; BRADFORD CO.	Dylan Reed	5,311,070.57	5,104,730.20	01/03/24
522103	439280-1-52-01	T2902	150TH STREET BRIDGE OVER LITTLE RIVER (BRIDGE NO. 374022) SUWANNEE CO.	Jake Beauchamp	3,588,896.61	4,188,814.15	02/28/24
322118	444020-1-52-01	T3838	SR 189 (LEWIS TURNER BLVD) FROM WILLWALL ST TO CAMP PINCHOT RD; OKALOOSA	Tiffany Adams	2,633,706.73	2,484,559.67	03/08/24
321110	4377631-52-01, 52-02 AN	T3805	321110-SR 79 Bay Co.	Bryan Buchanan	7,809,544.80	7,778,943.64	12/17/23
323101	434645-1-52-01;434645-	E3W27	SR 10 (US 90) GADSDEN CO.	Jason Barber	3,980,189.08	4,101,813.62	03/04/24
823102	447037-1-52-01	T2926	SR 500 FROM BRONSON TO CR 241; LEVY CO.	Austin Miller	12,488,206.25	12,755,313.35	05/28/24
823103	447033-1-52-01	T2911	SR 25 (US 441); From SR 331 To SR 24 (Archer Road) ALACHUA CO.	MIKE LEMKE	5,899,711.24	5,926,778.06	07/10/24
222121	441058 1 52 01	T2933	SR 55 (US 221); TAYLOR CO.	DYLAN REED	10,782,105.84	10,297,505.18	07/09/24
223105	447178 1 52 01	T2922	SR 21FROM CR 215 TO CR 218	Billy Jennings	4,768,192.21	4,983,434.09	07/22/24
223104	447040 1 52 01	T2912	SR 20 (US 27; LAFAYETTE CO.	DYLAN REED	5,713,250.32	5,713,676.71	07/03/24
323106	44573315201	T3856	SR 85; OKALOOSA CO.	RANDON PURVI	6,737,295.68	7,124,378.86	07/17/24
322105	43973315201;439736152	T3806	SR 85 (EGLIN PKWY.) RESURFACING AND NOMAD WAY TURN LANE EXTENSIONS	TIFFANY ADAMS	10,103,367.78	10,277,452.20	08/14/24
322117	445635-1-52-01	T3834	SR 8 (I-10); FROM E OF SR 276 TO 4 MILES E OF SR 71; JACKSON CO.	RYAN BUCHANA	19,944,475.37	21,047,072.75	08/14/24
822101	442875 1 52 01	T5721	SR 44 AT US 301; SUMTER CO.	MIKE LEMKE	16,561,764.61	18,596,670.26	08/27/24
823105	445491 1 52 01	T2942	SR 500 (US 27A) FROM MP 22.304 TO MP 23.269; LEVY CO.	Austin Miller	3,471,985.46	3,448,164.30	08/17/24
222104	207658 2 52 01	T2864	SR 26 (W UNIVERSITY AVE.) FROM GALE LEMERAND DR. TO NW 14TH ST. ALACHUA	OSH MCDOUGA	2,568,963.54	2,632,301.06	08/22/24
222102	443421 1 52 01,443422 1	T2839	I-10 BAKER/ COLUMBIA CO.	OSH MCDOUGA	31,969,186.10	33,927,298.92	06/14/24
223106	445724 1 52 01; 445724	T2929	SR 26 (Wade Ave.) Gilchrist Co.	OSH MCDOUGA	2,525,783.43	2,526,019.04	09/13/24
222122	445402-1-52-01	T2894	SR 47 FROM SR 20 (US 27) TO I-75; COLUMBIA CO.	OSH MCDOUGA	12,471,547.46	13,344,096.94	09/11/24
224102	207798 7 52 01	T2971	SR 45 (US 41) FROM LEVY CO. LINE TO SR 24; ALACHUA CO.	MIKE LEMKE	3,853,062.79	3,906,799.10	12/20/24
224107	446278 1 52 12	T9034	SR 55 (SE HWY 19) AT OLD TOWN WEIGH STATION; DIXIE CO.	ARA BEAUCHAM	799,814.25	794,983.68	12/13/24
321106	437759 1 52 01, 437759	T3766	SR 30A (US 98) FROM THE WALTON CO. LINE TO HEATHER DR.	RYAN BUCHANA	20,065,805.81	21,517,187.63	01/17/25
223111	447077 1 52 01	T2947	SR 51 (US 129) HAMILTON CO.	VESLEY BLAKLE	3,629,114.06	3,056,545.87	01/09/25
523102	439935 1 52 01	T2901	CR 361B OVER ROCKY CREEK BRIDGE;TAYLOR CO.	CASEY WOODS	5,408,913.80	5,981,959.60	02/15/25

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State of Florida
Department of State

I certify from the records of this office that ANDERSON COLUMBIA CO., INC. is a corporation organized under the laws of the State of Florida, filed on March 8, 1988, effective March 7, 1988.

The document number of this corporation is M71821.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on March 11, 2025, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Second day of May, 2025

Secretary of State

Tracking Number: 0223218215CU

To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication

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ANDERSON COLUMBIA CO., INC.
P.O. BOX 1829 • Lake City, FL 32056-1829
386.752.7585 • (386) 755-5430 FAX

CORPORATE RESOLUTION

I hereby certify that at a meeting, duly called, of the Board of Directors of Anderson Columbia Co, Inc., a Florida Corporation, held the 1st day of August 2003 at which said meeting a quorum was present and acting throughout, the following preamble and resolution was adopted and ever since has been and now is in full force and effect and does not conflict with the by-laws of said Corporation:

BE IT RESOLVED that, Tony Williams, is a duly elected Vice Presidents of Anderson Columbia Co., Inc. and is hereby authorized to execute and submit proposals and bid bonds on behalf of Anderson Columbia Co., Inc. The documents and other such instruments signed by him shall be binding upon the said corporation as it own acts and deeds.

Brian P. Schreiber - Secretary

Corporate Seal

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William D. (Doug) Booth
800 NE 22nd Street | Ocala, FL 34475 | (352) 351-3334
Email: doug.booth@andersoncolumbia.com

CONSTRUCTION PROJECT MANAGER

Experienced and results-driven Construction Project Manager with over 43 years of expertise in construction supervision, project management, budgeting, estimating, contracting, scheduling, material procurement, and environmental permitting. Skilled in overseeing large-scale projects, ensuring quality control, and leading cross-functional teams to successful project completion.

PROFESSIONAL EXPERIENCE

Anderson Columbia Co., Inc. – Ocala, FL
Area Manager | January 2009 to Present

- Oversee all aspects of project construction, including budgeting, estimating, scheduling, and procurement.
- Manage asphalt plant production and ensure efficient material procurement and general construction activities.
- Lead cross-functional teams to meet project deadlines, budgets, and quality standards.

The Archer Group – Jacksonville, FL
Vice President / Land Development | August 2005 to January 2009

- Directed all phases of residential development, from permitting and design to construction.
- Ensured compliance with local regulations and timely project completion while managing project budgets.

Anderson Columbia Co., Inc. – Ocala, FL
Area Manager | August 2000 to August 2005

- Managed project construction with responsibility for budgets, estimating, schedules, asphalt production, and material procurement.
- Directed teams to ensure the successful completion of construction projects within scope and on time.

PROFESSIONAL EXPERIENCE (CONTINUED)

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Jones Edmunds & Associates – Gainesville, FL
Senior Inspector / Project Manager | August 1990 to August 2000

- Supervised construction inspection and project management for city, county, and municipal FDOT projects.
- Managed quality control and inspection efforts on critical infrastructure projects.

Professional Services, Inc. (PSI) – Ocala, FL
QC Technician | August 1986 to August 1990

- Performed construction materials testing and inspections, including earthwork, base, asphalt, concrete, structural steel, pile installation, and drill shafts.

Universal Engineering & Sciences – Gainesville, FL
QC Technician | June 1982 to August 1986

- Conducted geotechnical drilling, sampling, and construction materials testing and inspections on earthwork, base, asphalt, and concrete.

PROJECT EXPERIENCE

SR 326 US 441 to SR 40, Marion County (FDOT) – $2.5 Million

- Awarded District 5 Excellence in Paving Award.

SR 20 from Francis Rd. to SR 19, Putnam County (FDOT) – $14.9 Million

SR 500 (US27) Levy County Line to SR 326 (FDOT) – $12.8 Million

SR 40 Ocklawaha River Bridge to Lake County Line, Marion County (FDOT) – $6.6 Million

- Awarded District 5 Pat Bolton Award.

SR 20, Rowland Ave. to Francis/Radcliff Rd., Putnam County (FDOT) – $13.4 Million

I-95 North of SR 40 to Flagler County Line, Volusia County (FDOT) – $22.3 Million

I-75 Sumter County Line to SR 200, Marion County (FDOT) – $40.0 Million

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SKILLS

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

- Construction Supervision & Management
- Project Budgeting & Estimating
- Scheduling & Material Procurement
- Quality Control & Materials Testing
- Environmental Permitting
- Contract Negotiations

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Dylan Colby Reed
P.O. Box 327, Steinhatchee, FL 32359
Phone: (352) 356-3938 | Email: dylan.reed@andersoncolumbia.com | dylancolbyreed@yahoo.com

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EDUCATION

Florida State University, Panama City, FL
Bachelor of Science in Civil Engineering, Graduated May 2017

- GPA: 3.621

Florida Gateway College, Lake City, FL
Associate of Arts in Pre-Engineering, Graduated May 2015

- Summa Cum Laude, GPA: 3.97
- President's List: Spring 2015, Spring 2014, Fall 2013
- Vice-President's List: Fall 2014

CERTIFICATIONS & SKILLS

Certifications:

- ACI Concrete Laboratory Testing Technician-Level 1 (Expires 9/15/2021)
- ACI Concrete Strength Testing Technician (Expires 9/15/2021)
- ACI Aggregate Testing Technician-Level 1 (Expires 9/15/2021)
- Nuclear Safety Certification-FDOT Reference No. 61020 (Issued 3/16/2017)

COMMUNITY & SCHOOL ACTIVITIES

- **Treasurer**, Civil Engineering Association, Florida State University Panama City
- **Member**, Chi Epsilon Civil Engineering Honors Society, FAMU/FSU
- **Member**, Student Government Council, Florida State University Panama City
- **Member**, Phi Theta Kappa Honor Society, Xi Phi Chapter, Florida Gateway College

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WORK EXPERIENCE

Anderson Columbia Co., Inc., Lake City, FL
Estimation & Project Management
May 2017 – Present

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

- Collaborate with Senior Project Estimators to prepare FDOT and County Highway bids using specialized software.
- Oversee projects from the bidding phase through to construction and completion.
- Manage timelines, resources, and ensure projects adhere to budget and quality standards.

Panhandle Engineering, Inc., Panama City, FL
Intern (Part-Time)
January 2017 – May 2017

- Supported engineers and AutoCAD designers in daily project operations.
- Monitored ongoing construction projects and responded to urgent issues.
- Gained hands-on experience with WaterCad, Pond Pack, and ICPR stormwater modeling software.

Nova Engineering and Environmental, Panama City Beach, FL
Concrete Inspector / Lab Technician (Part-Time)
November 2015 – December 2016

- Conducted field testing (slump, air, and density tests) and assisted with structural inspections alongside PEs and EIs.
- Performed lab work, including ACI Aggregate Testing, soil classification, and compression strength testing on concrete samples.

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L. Eugene Strickland
3575 Baker Creek Rd
Marianna, FL 32446
Phone: 850-526-8297

Professional Experience

Anderson Columbia Co., Inc. — *Vice President / Area Manager*
Lake City, FL | May 1993 – Present
In charge of operations for the Marianna and Panama City divisions, overseeing all aspects of management including daily operations, plant production, and project management. Key responsibilities include:

- Estimating and scheduling manpower and equipment for jobs
- Hiring and managing subcontractors, material procurement, and coordination with owners and engineers
- Managing the flow of job cost information from projects to the accounting department
- Creating and monitoring project budgets to ensure cost control
- Reviewing and approving project expenditures
- Handling project correspondence, including delay notices and change orders
- Managing projects ranging from a few thousand dollars to over $15 million

Mitchell Brothers, Inc. — *Vice President, Operations & Project Management*
Tallahassee, FL | June 1980 – May 1993
Led operations and project management, working in both general superintendent and project manager roles. Responsibilities included:

- Estimating all aspects of Highway/Heavy construction (sewer, water, site work, and paving)
- Producing work progress schedules and managing equipment/manpower allocation
- Overseeing project correspondence, quality control, and safety
- Initiating and assisting in the creation of a job cost reporting system
- Gaining experience in all aspects of earthwork and paving, starting as a laborer and progressing through equipment operator and foreman roles

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Education

B.S. in Economics — *Florida State University*

Certifications

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- ATSSA Certified Work Zone Safety Supervisor
- Florida Department of Transportation Certified Asphalt Paving Technician

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Awards & Recognitions

- **District III Resurfacing Award** — 1997
- **District III A.P. (Pat) Bolton Award** — 1998

Significant Projects & Leadership Roles

- **FTBA (Florida Transportation Builders Association)**
  - Board of Directors (2012-2016)
  - Chairman (2014-2015)
  - Past Chairman (2015 – Present)
- **ARTBA (American Road and Transportation Builders Association)**
  - Board of Directors Member
- **Jackson Hospital Board of Trustees**
  - Chairman (2007-2009)
  - Member (2002-2010)
- **Jackson County Economic Development Council**
  - Board of Directors (2023 – Present)

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E. Tony Williams, Jr., P.E.
P.O. Box 1829 | Lake City, FL 32056
Phone: (386) 752-7585
Email: Tony.Williams@AndersonColumbia.com

PROFILE

Seasoned Engineer and Construction Manager with over 35 years of experience in construction supervision, engineering, and project management. Expertise in take-offs, estimating, budgeting, contracting, purchasing, invoicing, scheduling, materials testing, inspection, and environmental permitting. Strong background in overseeing complex heavy civil and highway construction projects.

PROFESSIONAL EXPERIENCE

Anderson Columbia Co., Inc.
Lake City, FL
Vice President | *June 2003 – Present*

- Oversee management of approximately $150 million/year in heavy civil and highway construction projects.
- Direct all aspects of project development, from budgeting to scheduling and quality control.

Area Manager | *June 1997 – June 2003*

- Managed multiple large-scale construction projects across the region.
- Coordinated project teams and ensured timely completion within budget constraints.

Project Manager | *April 1994 – June 1997*

- Managed contractors and on-site activities for heavy civil and highway construction projects, with a project value of approximately $41 million/year.
- Notable projects include:
    - **I-75 (Bid Build)**: 6 projects across Alachua, Columbia, Suwannee, and Hamilton counties (1995-1998) – Approx. 30 miles, Total contract value: $40M
    - **I-95, St. Johns Co. (Design Build)**: 12.1 miles of 4 to 6 lane widening (2002) – Contract value: $24.5M
    - **I-95, Volusia Co. (Bid Build)**: 9.3 miles of 4 to 6 lane widening including bridge widening (2003) – Contract value: $25.2M

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Asphalt Technologies, Inc.
Lake City, FL
President | *April 2013 – Present*

- Oversee the supervision of quality control managers and review of all material test data prior to submission.

Vice President | *May 1998 – April 2013*

- Led testing teams and ensured all material testing was performed in compliance with quality standards.

Georgia Department of Transportation
Various Locations
Assistant Resident Engineer | *September 1992 – April 1994*

- Managed complex construction projects, including interstate projects.
- Supervised a team of 5-6 project engineers and provided support in resolving technical issues.

Project Engineer | *April 1989 – August 1992*

- Responsible for engineering design, inspection, and oversight of highway construction projects.
- Led a team of 4-6 project inspectors ensuring compliance with project specifications.

EDUCATION

Georgia Institute of Technology, Atlanta, GA
Bachelor of Civil Engineering | *April 1989*

LICENSES & CERTIFICATIONS

- Professional Engineer (P.E.), State of Florida | *July 1996*
- Professional Engineer (P.E.), State of Georgia | *June 1995*
- Certified General Contractor, State of Florida | *June 1999*

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J. Russell Akers

Experience

Anderson Columbia Co., Inc.
Lake City, Florida

Safety Director: 2003 - present

Responsibilities include strict enforcement of all the Company's safety policies and procedures. This consists of administering New Employee Orientation, coordinating weekly toolbox safety meetings, conducting monthly truck driver safety meetings, investigating jobsite losses, coordinating workers' compensation claims, completing jobsite safety evaluations, participating in enforcement of the company's drug-free workplace program, administering the Company's return to work policy, evaluating field personnel's compliance with the Company's safety policies, and enforcing the Company's safety program for subcontractors.

Additional duties include supporting human resources concerning company benefits (401k, group health, etc.) for eligible employees, training employees in first aid, qualifying employees for flagging, organizing required training for maintenance of traffic, and teaching the OSHA 510 construction class to Company personnel.

Maintenance of Traffic Supervisor: 1992 - 2003

Trained in all aspects of maintenance of traffic (MOT) required by the State of Florida Department of Transportation. MOT duties include the proper placement and positioning of temporary safety devices for every jobsite to assure the safety of all entities (motorists, employees, subcontractors, etc.) approaching, driving through, or working in the Company's construction zones

Education

Florida Advanced Traffic Control Supervisor – 1992

Qualified as an OSHA Outreach Trainer – 2003

Florida Advanced Flagger Instructor – 2003

CPR & First Aid Responder & Trainer - 2003

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

STATUS OF CONTRACTS ON HAND

CONTRACTOR
ANDERSON COLUMBIA CO , INC
POST OFFICE 1629
LAKE CITY, FL 32056

STATUS AS OF: April 14th 2025

(Furnish full information about all of your contracts, whether prime or subcontracts, whether in progress or awarded, but not yet begun, and regardless of with whom contracted)

	1	2	3	4	5	6			
	PROJECT, OWNER, LOCATION AND DESCRIPTION	CONTRACTS (OR SUBCONTRACT) AMOUNT	AMOUNT SUBLET TO OTHERS	BALANCE OF CONTRACT AMOUNT	UNCOMPLETED AMOUNT TO BE DONE AS PRIME CONTRACTOR	UNCOMPLETED AMOUNT TO BE DONE AS SUB-CONTRACTOR	% COMPLETE		
221102	SR 9 (I-95) ST JOHNS CO 434615-15201 ETC (T2793)	31,049,851.00	7,762,462.75	23,287,388.25	2,452,103.10		0.8947	0.105	
222112	SR 25 (US 41) From I-75 (SR 93) to CR 252	11,159,564.41	2,789,891.10	8,369,673.31	4,574,536.45		0.4534	0.547	
222113	SR 20 (US 27) from Alachua County Line to Suwannee County Line	11,841,194.19	2,960,298.55	8,880,895.64	2,031,024.91		0.7713	0.229	
222114	SR 10 (US 90) from East of Greenbille to Madison	8,601,469.45	2,150,367.36	6,451,102.09	1,957,572.73		0.6966	0.303	
222115	SR 93 (I-75) From Columbia Co Line To Hamilton Co Line; Suwannee Co	10,095,026.00	2,523,756.50	7,571,269.50	773,351.12		0.8979	0.102	
222117	SR 8 (I-10) From E of SR 51 (US 129) To E of the Columbia Co Line	16,769,255.00	4,192,313.75	12,576,941.25	4,125,006.91		0.6720	0.328	
222120	SR 93 (I-75) From S of CR 240 To N of SR 47 and From N of SR 8 (I-10) To t	25,628,657.00	6,407,164.25	19,221,492.75	2,624,657.48		0.8635	0.137	
222803	LAKE BAISDEN LOOP-ROADWAY/BRIDGE CULVERT:HAMILTON CO	5,537,750.00	1,384,437.50	4,153,312.50	3,588,890.76		0.1359	0.864	
223101	SR 55 From Gilchrist Co Line To NE 8th St : Levy Co	18,472,974.91	4,618,243.73	13,854,731.18	627,100.97		0.9547	0.045	
223102	SR 51 from 1st Avenue South to Dixie County Line Taylor Co DESIGN BUI	11,213,775.00	2,803,443.75	8,410,331.25	5,644,361.25		0.3289	0.671	
223103	SR47 N of I-10 To Deep Creek- Resurfacing; Columbia Co DESIGN BUI	9,409,691.00	2,352,422.75	7,057,268.25	4,394,350.55		0.3773	0.623	
223107	SR 14 From SW Sampala Lakr Rd To SR 53 Madison Co	4,420,616.71	1,105,154.18	3,315,462.53	1,130,079.62		0.6591	0.341	
223108	SR8(I-10)BAKER CO FIN446042-15201 ETC FAPD223067B ETC :T2939	13,052,788.16	3,263,197.04	9,789,591.12	9,000,335.45		0.0806	0.919	
223111	SR 51 (US 129): From the Suwannee County Line To I-75; Hamilton Co	3,579,114.06	894,778.52	2,684,335.55	902,837.52		0.6637	0.336	
223112	SR 47 (US 441) From SR 100A (NW Bascom Norris Dr) To I-10: Columbia C	5,714,114.82	1,428,528.71	4,285,586.12	1,087,681.73		0.7462	0.254	
223201	Cypress Lake Road & Charles Terrace Paving	6,526,025.73	1,631,506.43	4,894,519.30	2,117,334.61		0.5674	0.433	
223212	NW 30TH ST AND NW 20TH AVE GILCHRIST CO	2,354,990.00	588,747.50	1,766,242.50	1,655,448.21		0.0627	0.937	
224101	SR 20 (US 27) From Connell Rd To Main Bay Canal Rd ; Taylor Co	2,921,782.83	730,445.71	2,191,337.12	599,265.94		0.7265	0.273	
224103	SR 49 (US 129) From Hilliard Ave To Suwannee Co Line Gilchrist Co	10,923,209.82	2,730,802.46	8,192,407.37	5,479,729.49		0.3311	0.669	
224104	SR 8 (I-10) From Chaffee Rd To SR 9A (I-295); DUVAL CO	25,893,809.69	6,473,452.42	19,420,357.27	7,087,255.64		0.6351	0.365	
224105	SR 24; At NE 96th Place and From Bronson To Alachua Co Line; LEVY CO	7,043,462.00	1,760,865.50	5,282,596.50	945,975.71		0.8209	0.179	
224106	SR 200 (US 301); From Alachua Co Line To CR 100A; BRADFORD CO	18,339,895.00	4,584,973.75	13,754,921.25	9,473,187.64		0.3113	0.689	
224108	SR-145 SLOPE REPAIR (FAST RESPONSE) SLOPE AT MP 20.179; MADIS	494,509.00	123,627.25	370,881.75	151,432.07		0.5917	0.408	
224118	SR 26; FROM NE/SE 1ST ST TO W OF THE ALACHUA CO LINE; GILCHRI	8,804,081.42	2,201,020.36	6,603,061.07	6,549,440.78		0.0081	0.992	
224120	SR 20 (US 27); FROM THE LAFAYETTE CO LINE TO THE COLUMBIA CO	9,621,506.75	2,405,376.69	7,216,130.06	7,158,286.14		0.0080	0.992	
224201	CR 6 WIDENING AND RESURFACING; COLUMBIA CO	2,451,846.00	612,961.50	1,838,884.50	378,935.56		0.7939	0.206	
224202	CR 229 North Milling & Resurfacing; Union Co	6,727,525.80	1,681,881.45	5,045,644.35	152,697.25		0.9697	0.030	
224203	CR 345 WIDENING & RESURFACING; LEVY CO	1,564,078.80	391,019.70	1,173,059.10	534,163.60		0.5446	0.455	
224204	CR 347 WIDENING & RESURFACING; LEVY CO	1,880,181.00	470,045.25	1,410,135.75	1,391,440.14		0.0133	0.987	
224205	NW Leonia Way, NW Queen Rd, NW Chambria Way, and NW Winfield St; C	3,894,885.00	973,721.25	2,921,163.75	226,829.30		0.9223	0.078	
224206	ELLISVILLE WATER MAIN EXTENSION; COLUMBIA CO	4,432,533.31	1,108,133.33	3,324,399.98	245,150.78		0.9263	0.074	
224207	1ST AVENUE SOUTHEAST WIDENING/RESURFACING; TAYLOR CO	3,897,952.00	974,488.00	2,923,464.00	2,492,014.48		0.1476	0.852	
224208	CR 127-WIDENING AND RESURFACING BEECH STREET TO WILLIE GRI	2,410,165.00	602,541.25	1,807,623.75	54,745.84		0.9697	0.030	
224209	CR 218 from Cosmos Avenue to Pine Tree Lane for the Bonded Transportati	18,778,156.87	4,694,539.22	14,083,617.65	9,522,203.98		0.3239	0.676	
224210	LIVE OAK SEPTIC TO SEWER AND REUSE; CITY OF LIVE OAK	5,463,360.00	1,365,840.00	4,097,520.00	2,919,674.15		0.2875	0.713	
224214	CR 25A FROM SE 141ST ST TO US 41; HAMILTON CO	4,813,830.00		4,813,830.00	3,744,860.37		0.2221	0.778	
224215	LEVY COUNTY ROAD C-341 SCRAP RESURFACING (SR 345 TO US 98); L	1,466,399.69	366,599.92	1,099,799.77	534,989.14		0.5136	0.486	
224216	WIDENING AND RESURFACING OF 76TH STREET; SUWANNEE CO	6,373,236.90	1,593,309.23	4,779,927.68	4,558,824.25		0.0463	0.954	
224217	RESURFACING OF COUNTY ROAD 225; BRADFORD CO	4,486,194.14	1,121,548.54	3,364,645.61	747,811.78		0.7777	0.222	
224218	82ND AVENUE WIDENING AND RESURFACING; DIXIE CO	1,997,899.61	499,474.90	1,498,424.71	1,487,636.45		0.0072	0.993	
224219	CR 250 FROM CR 53 TO CR 250 BRIDGE; LAFAYETTE CO	1,871,665.99	467,916.50	1,403,749.49	1,395,206.99		0.0061	0.994	
224221	HI-DRI SUBDIVISION ROAD PAVING AND CROSS DRAIN UPGRADES; CO	4,421,632.69	1,105,408.17	3,316,224.52	3,062,006.11		0.0767	0.923	
224222	CR 240 FROM SR 247 TO CR 131; COLUMBIA CO	293,521.00	73,380.25	220,140.75	218,734.92		0.0064	0.994	
224223	NE 592ND ST FROM US 19 TO NE 272ND AVE; DIXIE CO	1,430,959.81	357,739.95	1,073,219.86	1,068,117.92		0.0048	0.995	
224224	CR 18 WIDENING & RESURFACING FROM COLUMBIA CO LINE TO SR 12	7,185,251.56	1,796,312.89	5,388,938.67	5,357,109.09		0.0059	0.994	
224225	RUNWAY 4-22 REHABILITATION; CROSS CITY AIR PORT	2,048,134.15	512,033.54	1,536,100.61	242,993.01		0.8418	0.158	
224226	CR 351 FROM SE 163 ST TO CR 351A DIXIE CO	2,398,960.10	599,740.03	1,799,220.08	1,787,806.35		0.0063	0.994	
224227	CR 349 FROM END OF CR 349S TO BEGINNING OF NEW PAVEMENT ON	7,423,449.29	1,855,862.32	5,567,586.97	5,474,049.75		0.0168	0.983	
224228	CR 127 PAVING FROM CR 120 TO MOCCASIN CREEK CIRCLE; BAKER C	3,904,537.50	976,134.38	2,928,403.13	2,365,994.39		0.1921	0.808	
224231	CR 138 RESURFACING AND PAVED SHOULDERS; GILCHRIST CO	5,607,396.69	1,401,849.17	4,205,547.52	4,188,672.33		0.0040	0.996	
224232	WIDEN AND RESURFACE CR 411 /CR 410 FROM SR 20 (US 27) TO END	1,768,884.88	442,221.22	1,326,663.66	1,317,271.72		0.0071	0.993	
224233	CR 49 WIDEN AND RESURFACE SUWANNEE CO	8,706,519.17	2,176,629.79	6,529,889.38	6,502,873.54		0.0041	0.996	
224601	CLET HARVEY RD OVER MUD LAKE SWAMP	995,367.69	248,841.92	746,525.77	176,192.77		0.7640	0.236	
224703	CEDAR KEY TOWER SITE; LEVY CO	174,000.00	43,500.00	130,500.00	16,908.22		0.8704	0.130	
224802	SW ENGLISH ST & LM AARON ROADWAY;COLUMBIA CO CNT 2023-11	613,447.00	153,361.75	460,085.25	86,233.56		0.8126	0.187	

FDOT	636,955,345 59
OTHER	468,115,579 97
TOTAL	1,105,070,925 56

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

STATUS OF CONTRACTS ON HAND

CONTRACTOR:
ANDERSON COLUMBIA CO , INC
POST OFFICE 1829
LAKE CITY, FL 32056

STATUS AS OF: April 14th 2025

(Furnish full information about all of your contracts, whether prime or subcontracts, whether in progress or awarded, but not yet begun, and regardless of with whom contracted)

	FDOT	636,955,345 59
	OTHER	468,115,579 97
	TOTAL	1,105,070,925 56

	1	2	3	4	5	6		
	PROJECT, OWNER, LOCATION AND DESCRIPTION	CONTRACTS (OR SUBCONTRACT) AMOUNT	AMOUNT SUBLET TO OTHERS	BALANCE OF CONTRACT AMOUNT	UNCOMPLETED AMOUNT TO BE DONE AS PRIME CONTRACTOR	UNCOMPLETED AMOUNT TO BE DONE AS SUB-CONTRACTOR	% COMPLETE	
224803	SUWANNEE COUNTY MITIGATION: SUWANNEE CO	530,220 00	132,555 00	397,665 00	161,689 27		0 5934	0 407
224804	SR 6 LOGISTICS PARK: HAMILTON CO	434,359 88	108,589 97	325,769 91	324,293 24		0 0045	0 995
224805	NFC DRIVING RANGE REPLACEMENT; MADISON CO	1,139,965 00	284,991 25	854,973 75	238,760 78		0 7207	0 279
225102	SR 51, DIXIE AND LAFAYETTE CO	12,598,730 57	3,149,682 64	9,449,047 93	9,400,835 60		0 0051	0 995
225103	SR 345, FROM CR 345 TO SR 500, LEVY CO	4,938,587 53	1,234,646 88	3,703,940 65	3,680,614 79		0 0063	0 994
225104	SR 200 (US 301): FROM SR 20 TO SR 26: ALACHUA CO	12,465,171 88	3,116,292 97	9,348,878 91	9,296,939 74		0 0056	0 994
225105	SR 115 (Lem Turner Rd): From Duval Co Line To SR 15 (US 1): NASSAU CO	4,346,749 04	1,086,687 26	3,260,061 78	326,006 178 00		0 0000	100 000
225201	RESURFACING OF CR 132 FROM US 129 TO US 41:HAMILTON CO	3,499,995 11	874,998 78	2,624,996 33	2,611,328 62		0 0052	0 995
225202	CR 6 PAVEMENT REPAIR: HAMILTON CO	94,226 75	23,556 69	70,670 06	70,398 39		0 0038	0 996
225203	RESURFACING OBASCOM NORRIS RD FROM SR 47 TO SW FAITH, COL	2,750,404 09	687,601 02	2,062,803 07	2,051,897 44		0 0053	0 995
225205	MARTIN LUTHER KING JR DRIVE GOEORGETOWN DRAINAGE IMPROVE	266,715 18	66,678 80	200,036 39	200,036 39		0 0000	1 000
225206	RESURFACING OF CR 235; BRADFORD CO	4,907,210 63	1,226,802 66	3,680,407 97	3,680,407 97		0 0000	1 000
225601	SR 23 (FIRST COAST XWAY) FROM E OF CR 2209 TO E OF CR 16A; ST J	16,284,420 01	4,071,105 00	12,213,315 01	12,213,315 01		0 0000	1 000
225701	COLUMBIA COUNTY STORM PROCESSING SITE DEVELOPMENT	642,990 00	160,747 50	482,242 50	477,045 11		0 0108	0 989
225801	MITIGATION PAVING PROJECT: SUWANNEE CO (CURTS)	145,932 00	36,483 00	109,449 00	109,449 00		0 0000	1 000
318108	SR 30 (US 98) BAY CO: FIN 431684-15201 ETC (E3Q67)	13,298,722 00	3,324,680 50	9,974,041 50	1,064,369 33		0 8933	0 107
320102	SR 369 WAKULLA CO:FIN 220495-75201 ETC:FAP D319080B: T3701	25,408,428 00	6,352,107 00	19,056,321 00	1,043,336 27		0 9452	0 055
320105	SR 77 WASHINGTON CO: FIN 217909-35201: FAP D319075B: T3618	30,312,321 27	7,578,080 32	22,734,240 95	112,834 36		0 9950	0 005
320205	SOUTHWEST CRESTVIEW BYPASS (PHASE 5 AND EAST/WEST CONNE	21,729,265 49	5,432,316 37	16,296,949 12	1,847,090 20		0 8867	0 113
321105	SR 85 (FERDON BLVD) OKALOOSA CO FIN 44158-15201, ECT (T3752)	25,410,994 52	6,352,748 63	19,058,245 89	5,979,417 15		0 6863	0 314
321106	SR 30A (US 98) BAY CO FIN 437759-15201 ETC (T3766)	20,245,021 00	5,061,255 25	15,183,765 75	161,322 03		0 9894	0 011
321107	SR 8 (I-10) OKALOOSA CO FIN 407981-55201 ETC (E3T77)	55,625,648 35	13,906,412 09	41,719,236 26	24,670,006 43		0 4087	0 591
322104	District Wide Push Button	2,071,841 00	517,960 25	1,553,880 75	297,953 12		0 8083	0 192
322111	SR 370 (Gulf Coast Parkway) From SR 30A ((US 98) To CR 2315 (Star Ave)	16,259,869 28	4,064,967 32	12,194,901 96	3,685,189 19		0 6978	0 302
322112	SR 392A (Hutchison Blvd) From SR 30 (US 98A) To SR 30 (US 98A)	14,015,331 17	3,503,832 79	10,511,498 38	7,390,716 27		0 2969	0 703
322116	SR 188 (Racetrack Rd) From SR 189 (Beal Parkway) to SR 85 (Eglin Parkwa	9,290,457 45	2,322,614 36	6,967,843 09	1,801,325 14		0 7415	0 259
322203	Rogers Road, Sylvania Road, and Owens Community Road: Washington Co	3,379,648 00	844,912 00	2,534,736 00	1,236,271 59		0 5123	0 488
323103	SR10/SR71 (US 90) from Chipola River Bridge to East of SR 71 South: Jacks	10,068,433 00	2,517,108 25	7,551,324 75	751,891 33		0 9004	0 100
323104	SR 75 (US 231) From CR 2301 To N of Campflowers Rd, Bay Co	14,249,839 69	3,562,459 92	10,687,379 77	8,450,614 79		0 2093	0 791
323105	SR 10 (US 90): From W of SR 75 (US 231) To W of FG&A Railroad Overpass	10,965,377 74	2,741,344 44	8,224,033 31	4,143,155 43		0 4962	0 504
323107	SR 8 (I-10) From W of Yellow River To E of Shoal River: Okaloosa Co	16,815,829 35	4,203,957 34	12,611,872 01	4,981,390 44		0 6050	0 395
323108	SR 77; From N of Rogers Rd To S of Cane Mill Rd	49,717,716 00	12,429,429 00	37,288,287 00	28,785,350 70		0 2280	0 772
323109	SR 71; Jackson Co	12,495,664 11	3,123,916 03	9,371,748 08	6,359,858 81		0 3214	0 679
323110	SR 85 (S Ferdon Blvd.) From S of W Redstone Ave To SR 10 (US 90) and F	10,690,951 93	2,672,737 98	8,018,213 95	3,690,224 53		0 5398	0 460
323112	SR 10 (US 90): From Walton Co Line To E of CSX Railroad; Holmes Co	5,789,402 19	1,447,350 55	4,342,051 64	407,170 79		0 9062	0 094
323201	CARTER CIRCLE, FROM CHAIN LAKE ROAD TO SR 77, WASHINGTON C	1,285,039 91	321,259 98	963,779 93	957,278 21		0 0067	0 993
323205	Jewel Rd, Kent Mill Pnd Rd and Porter Road, Washington Co	2,648,617 00	662,154 25	1,986,462 75	1,975,550 09		0 0055	0 995
323601	Ingram Signalization/FDOT Dist III	1,287,960 00	321,990 00	965,970 00	441,349 82		0 5431	0 457
324101	SR 71, FROM N OF SR 8 (I-10) TO SR 10 (US 90) JACKSON CO	3,639,310 98	909,827 75	2,729,483 24	2,441,365 88		0 1056	0 894
324102	Districtwide State Roads, At Various Locations, Dist/St-Wide	5,000,000 00	1,250,000 00	3,750,000 00	3,708,716 50		0 0110	0 989
324103	SR 285: FROM S OF SR 293 (MIDBAY CONNECTOR) TO WALTON CO LIN	6,032,019 87	1,508,004 97	4,524,014 90	2,600,395 26		0 4252	0 575
324105	SR 10 (US 90) FROM EAST OF SR 71 TO BEGINNING OF 4 LANE WST OF	6,739,140 39	1,684,785 10	5,054,355 29	4,950,373 76		0 0206	0 979
324106	SR 71, FROM N OF CR 165 (BASSWOOD ROAD) TO 5TH AVE: JACKSON	4,221,650 48	1,055,412 62	3,166,237 86	2,263,180 89		0 2852	0 715
324110	COASTAL CORRIDORS EMERGENCY REPAIR SUPPORT	1,458,758 00	364,689 50	1,094,068 50	995,676 00		0 0899	0 910
324111	SR 79, FROM S OF MILLERS FERRY RD TO S OF MALLORY RD, WASHIN	17,420,146 91	4,355,036 73	13,065,110 18	12,867,234 71		0 0151	0 985
324112	SR 166 (Caverns Rd): From Chipola River Bridge To SR 71, JACKSON CO	3,355,890 14	838,972 54	2,516,917 61	2,500,500 94		0 0065	0 993
324204	WEST LINGER LONGER ROAD SEDIMENT REDUCTION PROJECT: BAY C	2,321,571 50	580,392 88	1,741,178 63	854,441 28		0 5093	0 491
324205	CR 278 (ALLIANCE RD) RESURFACING PROJECT, JACKSON CO	3,422,548 10	855,637 03	2,566,911 08	2,551,971 33		0 0058	0 994
324207	SOUTH APRON REHABILITATION: CALHOUN CO	946,990 00	236,747 50	710,242 50	706,506 03		0 0053	0 995
324702	WATSON DR DRAINAGE (BAXTER)	674,800 00	168,700 00	506,100 00	456,396 75		0 0982	0 902
324703	BLUE SPINGS SEWER (BAXTER)	273,259 00	68,314 75	204,944 25	26,735 08		0 8695	0 130
324704	TARA ESTATES SEWER PROJECT (BAXTER) (SET UP BY K BUCHANAN	427,159 00	106,789 75	320,369 25	160,241 46		0 4998	0 500
324705	INDIAN SPRINGS PHASE 2B SEWER: JACKSON CO	259,613 00	64,903 25	194,709 75	194,709 75		0 0000	1 000
324706	JACKSON COUNTY TEACHERS CREDIT UNION: JACKSON CO	250,000 00	62,500 00	187,500 00	178,916 67		0 0458	0 954
325101	GULF WINTER WEATHER SYSTEM: OKALOOSA CO. (EMERGENCY CON	200,000 00	50,000 00	150,000 00	145,878 33		0 0275	0 973
325102	SR 267 FROM SR 20 TO GADSDEN CO. LINE: GADSDEN AND LIBERTY C	5,792,325 96	1,448,081 49	4,344,244 47	4,344,244 47		0 0000	1 000

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

STATUS OF CONTRACTS ON HAND

CONTRACTOR
ANDERSON COLUMBIA CO , INC
POST OFFICE 1829
LAKE CITY, FL 32056

STATUS AS OF: April 14th 2025

(Furnish full information about all of your contracts whether prime or subcontracts, whether in progress or awarded, but not yet begun, and regardless of with whom contracted)

	FDOT	636,955,345 59
	OTHER	468,115,579 97
	TOTAL	1,105,070,925 56

	1	2	3	4	5	6		
	PROJECT, OWNER, LOCATION AND DESCRIPTION	CONTRACTS (OR SUBCONTRACT) AMOUNT	AMOUNT SUBLET TO OTHERS	BALANCE OF CONTRACT AMOUNT	UNCOMPLETED AMOUNT TO BE DONE AS PRIME CONTRACTOR	UNCOMPLETED AMOUNT TO BE DONE AS SUB-CONTRACTOR	% COMPLETE	
325201	Dumajack Road Reconstruction from SR 77 to Deadening Rd Washington C	1,725,552 10	431,388 03	1,294,164 08	1,286,975 88		0 0056	0 994
325601	SR 10 (US 90 AT SR 69 (PORTER AVE) JACKSON CO	922,347 10	230,586 78	691,760 33	691,760 33		0 0000	1 000
325701	ACADEMY SPORTS PARKING LOT	375,000 00	93,750 00	281,250 00	281,250 00		0 0000	1 000
518108	SR 30 (US 98) BAY CO FIN 431684-15201 ETC (E3Q67)	8,700,476 25	2,175,119 06	6,525,357 19	720,680 12		0 8896	0 110
520205	SOUTHWEST CRESTVIEW BYPASS (PHASE 5 AND EAST/WEST CONNE	25,488,158 94	6,372,039 74	19,116,119 21	4,386,352 71		0 7705	0 229
521101	US 90 WASHINGTON CO FIN 417672-25201 (T3711)	8,792,631 00	2,198,157 75	6,594,473 25	1,783,295 55		0 7296	0 270
521107	I-10, OKALOOSA CO 407981-55201/407981-55602; (E3T77) --BRIDGE	17,297,815 30	4,324,453 83	12,973,361 48	3,890,468 30		0 7001	0 300
522102	SR 8 (I-10), Madison Co	9,464,305 00	2,366,076 25	7,098,228 75	1,733,742 71		0 7557	0 244
523101	CR 361 Over Spring Warrior Creek: Taylor Co	10,398,461 00	2,599,615 25	7,798,845 75	1,744,261 68		0 7763	0 224
523102	CR 361B: Over Rocky Creek Bridge: Taylor Co	5,408,791 00	1,352,197 75	4,056,593 25	218,022 35		0 9463	0 054
523103	DENNIS HOWELL:TAYLOR CO FIN437423-1-52-01:FAP D223036B T2953	3,145,242 00	786,310 50	2,358,931 50	1,887,751 86		0 1997	0 800
523108	SR 77, From N of Rogers Rd To S of Cane Mill Rd (323108 ROADWAY)	6,079,921 45	1,519,980 36	4,559,941 09	3,703,912 88		0 1877	0 812
524101	SR 71; Over Baker Branch Bridge, Bridge No 470050, Calhoun Co	2,606,259 00	651,564 75	1,954,694 25	1,631,536 12		0 1653	0 835
524102	SR 8 (I-10) and SR 10 (US 90)Over Suwanee River Relief and Aucilla River, (	9,474,792 00	2,368,698 00	7,106,094 00	6,401,904 40		0 0991	0 901
524201	SAN PEDRO ROAD RETAINING WALL, TAYLOR CO	1,174,963 00	293,740 75	881,222 25	872,097 51		0 0104	0 990
524801	TATE'S HELL FORESTWIDE BRIDGE IMPROVEMENTS, FRANKLIN CO	8,159,610 00	2,039,902 50	6,119,707 50	3,549,392 58		0 4200	0 580
525101	SR 55 (US 221) At Two Pines Creek Bridge No 380011 and At Woods Creek	13,809,124 49	3,452,281 12	10,356,843 37	10,356,843 37		0 0000	1 000
722109	FM 624; NUECES CO; PROJECT# F2022(932);CONTRACT# 0989-02-054	10,234,313 92	2,558,578 48	7,675,735 44	485,165 62		0 9394	0 061
722217	BULK DOCK 1 EXPANSION OF LANDSIDE OPS;NUECES CO;PRO-21-030	12,867,476 00	3,216,869 00	9,650,607 00	2,889,705 86		0 7006	0 299
723104	FM 2678; REFUGIO CO, CNT 155-06-213, PRO #C 155-6-213	13,060,414 00	3,265,103 50	9,795,310 50	5,661,313 80		0 4220	0 578
723105	US 181, BEE CO, CNT #646-18-8001, PRO #MMC-6457-25-001	278,160 00	69,540 00	208,620 00	177,450 00		0 1494	0 851
723202	RINCON EAST CARGO YARD; NUECES CO	7,440,000 00	1,860,000 00	5,580,000 00	104,357 10		0 9813	0 019
723204	2023 STREET AND DRAINAGE BOND PROJECT-PORT ARANSAS, TX	6,722,521 00	1,680,630 25	5,041,890 75	1,218,699 57		0 7583	0 242
723205	STREET PREVENTATIVE MAINTENANCE (SPMP) FY2024 (24002)	13,452,000 00	3,363,000 00	10,089,000 00	1,860,401 33		0 8156	0 184
723705	STEEL DYNAMICS 2023, SAN PATRICIO CO	13,452,000 00	3,363,000 00	10,089,000 00	10,013,125 68		0 0075	0 992
723706	WHITECAP NPI COMMODORES DRIVE BRIDGE	9,050,512 00	2,262,628 00	6,787,884 00	2,667,576 72		0 6070	0 393
723707	GP ALL PURPOSE FACILITY	976,000 00	244,000 00	732,000 00	89,065 92		0 8783	0 122
724101	US 181, SAN PATRICIO CO	12,996,390 00	3,249,097 50	9,747,292 50	3,704,360 06		0 6200	0 380
724102	US 77, KLEBERG CO	322,582 00	80,645 50	241,936 50	190,879 83		0 2110	0 789
724104	SH 358, NUECES CO	6,746,673 00	1,686,668 25	5,060,004 75	3,893,154 61		0 2306	0 769
724106	SH 44, NUECES CO	8,824,812 00	2,206,203 00	6,618,609 00	6,531,142 01		0 0132	0 987
724107	SH 35, ARANSAS CO	295,600 00	73,900 00	221,700 00	187,325 83		0 1550	0 845
724108	US 284, JIM WELLS CO	514,000 00	128,500 00	385,500 00	350,947 50		0 0896	0 910
724109	MUSTANG BEACH AIRPORT	4,790,192 80	1,197,548 20	3,592,644 60	2,229,939 45		0 3793	0 621
724110	SH 358; NUECES CO	557,000 00	139,250 00	417,750 00	415,052 50		0 0065	0 994
724201	RESIDENTIAL STREET REBUILD PROGRAM (RSRP) FY 2024-BASE BID 3	6,334,092 85	1,583,523 21	4,750,569 64	1,770,842 04		0 6272	0 373
724203	AL SPEIGHT YARD RAIL AND DRAINAGE MODIFICATIONS	6,335,000 00	1,583,750 00	4,751,250 00	3,092,545 90		0 3491	0 651
724205	BULK TERMINAL PUBLIC PAD DRAINAGE IMPROVEMENTS	5,735,959 00	1,433,989 75	4,301,969 25	1,660,035 69		0 6141	0 386
724206	PORT OF CORPUS CHRISTI RINCON WEST LAYDOWN YARD	9,245,000 00	2,311,250 00	6,933,750 00	1,256,723 83		0 8188	0 181
724207	PORT OF CORPUS CHRISTI JFC IMPROVEMENTS AT ADM INTERSECTI	1,380,000 00	345,000 00	1,035,000 00	945,433 04		0 0865	0 913
725101	FM 1356, KLEBERG CO	898,358 10	224,589 53	673,768 58	666,083 03		0 0114	0 989
725102	IH 37; NUECES CO	673,234 65	168,308 66	504,925 99	504,925 99		0 0000	1 000
822103	I-75 CR 484, MARION CO FROM SUMPTER CO LINE TO SR 200	40,834,066 40	10,208,516 60	30,625,549 80	3,725,504 41		0 8784	0 122
823104	SR 464; From SR 500 To SR 35, Marion Co	26,172,485 00	6,543,121 25	19,629,363 75	8,514,203 14		0 5663	0 434
824101	SR 200 FROM I-75 TO US 301-RESURFACING MARION CO	16,652,098 00	4,163,024 50	12,489,073 50	9,764,931 61		0 2181	0 782
824102	I-75 SUMTER & MARION CO E54F4	13,460,000 00	3,365,000 00	10,095,000 00	7,760,386 35		0 2313	0 769
824103	SR 200(US 301)ALACHUA FAP D224060B:FIN434318-2-52-01# T2A02	7,332,696 00	1,833,174 00	5,499,522 00	5,370,066 52		0 0235	0 976
825201	CR 234 MAJOR REHABILITATION, ALACHUA CO	3,815,076 67	953,769 17	2,861,307 50	2,845,876 21		0 0054	0 995
91109	VA, HIDALGO CO BORDER INSPECTION SAFETY FACILITY	21,634,503 50	5,408,625 88	16,225,877 63	664,674 95		0 9590	0 041
917107	US 83, HIDALGO CO (LAJOYA BYPASS)	89,959,035 10	22,489,758 78	67,469,276 33	27,142 48		0 9996	0 000
919108	US 83 WEBB CO, NH-2019(047)	68,163,199 00	17,040,799 75	51,122,399 25	1,212,258 64		0 9763	0 024
922101	IH35 WEBB CO, CONTRACT 0018-05-104, PROJECT NO. C-18-5-104	15,093,979 55	3,773,494 89	11,320,484 66	1,080,320 48		0 9046	0 095
922102	US 77 KLEBERG CO	180,351,244 36	45,087,811 09	135,263,433 27	77,810,252 70		0 4248	0 575
922103	US 281, JIM WELLS CO, PROJECT NO. F2022 (654) C# 0254-03-081	15,324,468 00	3,831,117 00	11,493,351 00	1,038,882 69		0 9096	0 090
923101	IH-35, Webb Co	30,636,359 77	7,659,089 94	22,977,269 83	309,164 81		0 9865	0 013
923102	US 77 Kleberg Co	488,600 00	122,150 00	366,450 00	143,884 37		0 6074	0 393

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

STATUS OF CONTRACTS ON HAND

CONTRACTOR
ANDERSON COLUMBIA CO , INC
POST OFFICE 1829
LAKE CITY, FL 32056

STATUS AS OF: April 14th 2025

(Furnish full information about all of your contracts, whether prime or subcontracts, whether in progress or awarded, but not yet begun, and regardless of with whom contracted)

	1	2	3	4	5	6		
	PROJECT, OWNER, LOCATION AND DESCRIPTION	CONTRACTS (OR SUBCONTRACT) AMOUNT	AMOUNT SUBLET TO OTHERS	BALANCE OF CONTRACT AMOUNT	UNCOMPLETED AMOUNT TO BE DONE AS PRIME CONTRACTOR	UNCOMPLETED AMOUNT TO BE DONE AS SUB-CONTRACTOR	% COMPLETE	
923103	SH 35, Aransas Co	22,334,444.00	5,583,611.00	16,750,833.00	5,259,910.08		0.6886	0.314
923106	US 281, Jim Wells Co	138,438,662.84	34,609,665.71	103,828,997.13	71,700,076.57		0.3094	0.691
923107	FM 186, DIMMIT CO	13,645,429.42	3,411,357.36	10,234,072.07	6,962,184.85		0.3197	0.680
923110	US 59 LIVE OAK CO CONTRACT 6448-33-001 PROJ MMC-644833001	304,420.00	76,105.00	228,315.00	221,705.00		0.0290	0.971
923111	SH 359, WEBB CO	47,421,034.00	11,855,258.50	35,565,775.50	20,380,621.71		0.4270	0.573
923705	*SAXET ENERGY PARK-DATA CENTER PROJECT	2,912,244.00	728,061.00	2,184,183.00	843,504.55		0.6138	0.386
924101	IH 35, FRIO CO	11,872,494.75	2,968,123.69	8,904,371.06	5,803,619.71		0.3482	0.652
924102	SH 141, JIM WELLS CO	24,833,825.30	6,208,456.33	18,625,368.98	14,285,926.73		0.2330	0.767
924103	IH 35, LA SALLE COUNTY	31,549,072.00	7,887,268.00	23,661,804.00	7,521,477.66		0.6821	0.318
924104	SH 255; WEBB COUNTY	24,522,672.40	6,130,668.10	18,392,004.30	17,995,290.40		0.0216	0.978
924105	SL 20, WEBB CO CONTRACT 0086-16-008 PROJ # F 2025(211)	49,586,906.60	12,396,726.65	37,190,179.95	36,957,581.45		0.0063	0.994
924201	EL PICO RD WIDENING & PAVING, WEBB CO ARPA PJT NO 25	5,876,920.00	1,469,230.00	4,407,690.00	3,764,943.71		0.1458	0.854
924601	SH 285; JIM HOGG CO	15,792,191.10	3,948,047.78	11,844,143.33	10,929,593.74		0.0772	0.923
924602	FM 469, LA SALLE COUNTY	7,270,852.00	1,817,713.00	5,453,139.00	5,453,139.00		0.0000	1.000
925101	IH 35, WEBB CO	10,599,419.72	2,649,854.93	7,949,564.79	7,949,564.79		0.0000	1.000
	NOTE: Columns 2 and 3 to show total contract (or subcontract) amounts. Column 4 to be difference between columns 2 and 3. Amount in columns 5 or 6 to be uncompleted portion of amount in columns 4. All amounts to be shown to nearest $100. The Contractor may consolidate and list as a single item all contracts which, individually, do not exceed 3% of total, and which, in aggregate, amount to less than 20% of the total.			TOTALS	1,105,070,925.56			
				TOTAL UNCOMPLETED WORK ON HAND TO BE DONE BY YOU (TOTAL-COLUMNS 5 AND 6) $		1,105,070,925.56		

FDOT	636,955,345.59
OTHER	468,115,579.97
TOTAL	1,105,070,925.56

Kimley»Horn

RELEASE OF ELECTRONIC FILES

TO: Prospective Bidder ("Recipient")

RE: NC25-012-ITB, Resurfacing and Safety Improvements (Phase 1) CR 121 From Duval County Line to CR 119

DATE: April 28, 2025

Kimley-Horn is providing electronic files to Recipient pursuant to Recipient's request. Release of the files is subject to Recipient's execution of this document.

These electronic files and any information contained therein are being released and transferred as a courtesy and solely for Recipient's convenience. Kimley-Horn will not be responsible for any damages arising out of or in connection with the furnishing of these files or Recipient's use of the files. Recipient recognizes that electronic files may be purposely or inadvertently altered or corrupted in any number of ways. Neither Kimley-Horn nor Nassau County make any representations, warranties, either express or implied, as to their suitability for any specific purpose.

By accepting delivery hereof, Recipient agrees to indemnify, defend and hold harmless Kimley-Horn and Nassau County, the Nassau County Board of County Commissioners and their respective officers, directors, and employees from any and all liability or damages that may arise or result from, in whole or in part, the furnishing of the electronic files or from the use of the electronic files and any information contained therein by Recipient, Recipient's employees, agents, or sub-Recipients.

Kimley-Horn does not guarantee the files will be compatible with Recipient's processing systems and is not responsible for any updates or modifications required for use by Recipient. It is Recipient's responsibility to examine the files for viruses or other contaminations prior to use.

The undersigned represents that the undersigned is an authorized signer on behalf of Recipient.

ACCEPTED AND AGREED:

Prospective Bidder, Recipient

Entity Name: Anderson Columbia Co., Inc.

Signature: _____ **Date:** MAY 9TH 2025

Printed Name: E. Tony Williams Jr. **Title:** Vice President

STATE OF Florida COUNTY OF Columbia

I HEREBY CERTIFY that on this day, personally appeared before me, by means of [X] physical presence or [ ] online notarization, E. Tony Williams Jr., who is ~~personally known to me or~~ who has produced _____ as identification, who is the person described in and who executed the foregoing instrument and who acknowledged before me that they executed the same for the uses and purposes therein expressed.

Witness my hand and official seal, this 9TH day of MAY, 2025.

_____

AMANDA ADAMS
Notary Public - State of Florida
Commission # HH 273353
My Comm. Expires Jun 7, 2026
Bonded through National Notary Assn.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

APPENDIX N

CONTRACTOR E-VERIFY AFFIDAVIT

I hereby certify that Anderson Columbia Co., Inc. (Contractor Company Name) does not employ, contract with, or subcontract with an unauthorized alien, and is otherwise in full compliance with Section 448.095, Florida Statutes.

All employees hired on or after January 1, 2021 have had their work authorization status verified through the E-Verify system.

A true and correct copy of Anderson Columbia Co., Inc. (Contractor Company Name) proof of registration in the E-Verify system is attached to this Affidavit.

Print Name: E. Tony Williams Jr., Vice President

Date: MAY 15TH 2025

STATE OF FLORIDA

COUNTY OF Columbia

The foregoing instrument was acknowledged before me by means of ☒physical presence or ☐online notarization, this 9TH (Date) by E. Tony Williams Jr. (Name of Officer or Agent, Title of Officer or Agent) of Anderson Columbia Co., Inc. (Name of Contractor Company Acknowledging), a Florida (State or Place of Incorporation) Corporation, on behalf of the Corporation. He/She is personally known to me or has produced _____ as identification.

Notary Public

Amanda Adams
Printed Name

AMANDA ADAMS
Notary Public - State of Florida
Commission # HH 273353
My Comm. Expires Jun 7, 2026
Bonded through National Notary Assn.

My Commission Expires: June 7th 2026

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

APPENDIX N-1

SUBCONTRACTOR E-VERIFY AFFIDAVIT

I hereby certify that _____(Subcontractor Company Name) does not employ, contract with, or subcontract with an unauthorized alien, and is otherwise in full compliance with Section 448.095, Florida Statutes.

All employees hired on or after January 1, 2021 have had their work authorization status verified through the E-Verify system.

A true and correct copy of _____ (Subcontractor Company Name) proof of registration in the E-Verify system is attached to this Affidavit.

_____

Print Name:_____

Date:_____

STATE OF FLORIDA

COUNTY OF _____

The foregoing instrument was acknowledged before me by means of □physical presence or □online notarization, this _____ (Date) by _____(Name of Officer or Agent, Title of Officer or Agent) of _____(Name of Contractor Company Acknowledging), a _____(State or Place of Incorporation) Corporation, on behalf of the Corporation. He/She is personally known to me or has produced _____ as identification.

_____
Notary Public

_____
Printed Name

My Commission Expires: _____

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Company ID Number: 254136

THE E-VERIFY MEMORANDUM OF UNDERSTANDING FOR EMPLOYERS

ARTICLE I
PURPOSE AND AUTHORITY

The parties to this agreement are the Department of Homeland Security (DHS) and the Anderson Columbia Co., Inc. (Employer). The purpose of this agreement is to set forth terms and conditions which the Employer will follow while participating in E-Verify.

E-Verify is a program that electronically confirms an employee's eligibility to work in the United States after completion of Form I-9, Employment Eligibility Verification (Form I-9). This Memorandum of Understanding (MOU) explains certain features of the E-Verify program and describes specific responsibilities of the Employer, the Social Security Administration (SSA), and DHS.

Authority for the E-Verify program is found in Title IV, Subtitle A, of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), Pub. L. 104-208, 110 Stat. 3009, as amended (8 U.S.C. § 1324a note). The Federal Acquisition Regulation (FAR) Subpart 22.18, "Employment Eligibility Verification" and Executive Order 12989, as amended, provide authority for Federal contractors and subcontractors (Federal contractor) to use E-Verify to verify the employment eligibility of certain employees working on Federal contracts.

ARTICLE II
RESPONSIBILITIES

A. RESPONSIBILITIES OF THE EMPLOYER

1. The Employer agrees to display the following notices supplied by DHS in a prominent place that is clearly visible to prospective employees and all employees who are to be verified through the system:

   a. Notice of E-Verify Participation

   b. Notice of Right to Work

2. The Employer agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the Employer representatives to be contacted about E-Verify. The Employer also agrees to keep such information current by providing updated information to SSA and DHS whenever the representatives' contact information changes.

3. The Employer agrees to grant E-Verify access only to current employees who need E-Verify access. Employers must promptly terminate an employee's E-Verify access if the employer is separated from the company or no longer needs access to E-Verify.

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4. The Employer agrees to become familiar with and comply with the most recent version of the E-Verify User Manual.

5. The Employer agrees that any Employer Representative who will create E-Verify cases will complete the E-Verify Tutorial before that individual creates any cases.

a. The Employer agrees that all Employer representatives will take the refresher tutorials when prompted by E-Verify in order to continue using E-Verify. Failure to complete a refresher tutorial will prevent the Employer Representative from continued use of E-Verify.

6. The Employer agrees to comply with current Form I-9 procedures, with two exceptions:

a. If an employee presents a "List B" identity document, the Employer agrees to only accept "List B" documents that contain a photo. (List B documents identified in 8 C.F.R. § 274a.2(b)(1)(B)) can be presented during the Form I-9 process to establish identity.) If an employee objects to the photo requirement for religious reasons, the Employer should contact E-Verify at 888-464-4218.

b. If an employee presents a DHS Form I-551 (Permanent Resident Card), Form I-766 (Employment Authorization Document), or U.S. Passport or Passport Card to complete Form I-9, the Employer agrees to make a photocopy of the document and to retain the photocopy with the employee's Form I-9. The Employer will use the photocopy to verify the photo and to assist DHS with its review of photo mismatches that employees contest. DHS may in the future designate other documents that activate the photo screening tool.

Note: Subject only to the exceptions noted previously in this paragraph, employees still retain the right to present any List A, or List B and List C, document(s) to complete the Form I-9.

7. The Employer agrees to record the case verification number on the employee's Form I-9 or to print the screen containing the case verification number and attach it to the employee's Form I-9.

8. The Employer agrees that, although it participates in E-Verify, the Employer has a responsibility to complete, retain, and make available for inspection Forms I-9 that relate to its employees, or from other requirements of applicable regulations or laws, including the obligation to comply with the antidiscrimination requirements of section 274B of the INA with respect to Form I-9 procedures.

a. The following modified requirements are the only exceptions to an Employer's obligation to not employ unauthorized workers and comply with the anti-discrimination provision of the INA: (1) List B identity documents must have photos, as described in paragraph 6 above; (2) When an Employer confirms the identity and employment eligibility of newly hired employee using E-Verify procedures, the Employer establishes a rebuttable presumption that it has not violated section 274A(a)(1)(A) of the Immigration and Nationality Act (INA) with respect to the hiring of that employee; (3) If the Employer receives a final nonconfirmation for an employee, but continues to employ that person, the Employer must notify DHS and the Employer is subject to a civil money penalty between $550 and $1,100 for each failure to notify DHS of continued employment following a final nonconfirmation; (4) If the Employer continues to employ an employee after receiving a final nonconfirmation, then the Employer is subject to a rebuttable presumption that it has knowingly

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employed an unauthorized alien in violation of section 274A(a)(1)(A); and (5) no E-Verify participant is civilly or criminally liable under any law for any action taken in good faith based on information provided through the E-Verify.

b. DHS reserves the right to conduct Form I-9 compliance inspections, as well as any other enforcement or compliance activity authorized by law, including site visits, to ensure proper use of E-Verify.

9. The Employer is strictly prohibited from creating an E-Verify case before the employee has been hired, meaning that a firm offer of employment was extended and accepted and Form I-9 was completed. The Employer agrees to create an E-Verify case for new employees within three Employer business days after each employee has been hired (after both Sections 1 and 2 of Form I-9 have been completed), and to complete as many steps of the E-Verify process as are necessary according to the E-Verify User Manual. If E-Verify is temporarily unavailable, the three-day time period will be extended until it is again operational in order to accommodate the Employer's attempting, in good faith, to make inquiries during the period of unavailability.

10. The Employer agrees not to use E-Verify for pre-employment screening of job applicants, in support of any unlawful employment practice, or for any other use that this MOU or the E-Verify User Manual does not authorize.

11. The Employer must use E-Verify for all new employees. The Employer will not verify selectively and will not verify employees hired before the effective date of this MOU. Employers who are Federal contractors may qualify for exceptions to this requirement as described in Article II.B of this MOU.

12. The Employer agrees to follow appropriate procedures (see Article III below) regarding tentative nonconfirmations. The Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Employer agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer agrees to provide written referral instructions to employees and instruct affected employees to bring the English copy of the letter to the SSA. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending. Further, when employees contest a tentative nonconfirmation based upon a photo mismatch, the Employer must take additional steps (see Article III.B. below) to contact DHS with information necessary to resolve the challenge.

13. The Employer agrees not to take any adverse action against an employee based upon the employee's perceived employment eligibility status while SSA or DHS is processing the verification request unless the Employer obtains knowledge (as defined in 8 C.F.R. § 274a.1(l)) that the employee is not work authorized. The Employer understands that an initial inability of the SSA or DHS automated verification system to verify work authorization, a tentative nonconfirmation, a case in continuance (indicating the need for additional time for the government to resolve a case), or the finding of a photo mismatch, does not establish, and should not be interpreted as, evidence that the employee is not work authorized. In any of such cases, the employee must be provided a full and fair opportunity to contest the finding, and if he or she does so, the employee may not be terminated or suffer any adverse employment consequences based upon the employee's perceived employment eligibility status

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(including denying, reducing, or extending work hours, delaying or preventing training, requiring an employee to work in poorer conditions, withholding pay, refusing to assign the employee to a Federal contract or other assignment, or otherwise assuming that he or she is unauthorized to work) until and unless secondary verification by SSA or DHS has been completed and a final nonconfirmation has been issued. If the employee does not choose to contest a tentative nonconfirmation or a photo mismatch or if a secondary verification is completed and a final nonconfirmation is issued, then the Employer can find the employee is not work authorized and terminate the employee's employment. Employers or employees with questions about a final nonconfirmation may call E-Verify at 1-888-464-4218 (customer service) or 1-888-897-7781 (worker hotline).

14. The Employer agrees to comply with Title VII of the Civil Rights Act of 1964 and section 274B of the INA as applicable by not discriminating unlawfully against any individual in hiring, firing, employment eligibility verification, or recruitment or referral practices because of his or her national origin or citizenship status, or by committing discriminatory documentary practices. The Employer understands that such illegal practices can include selective verification or use of E-Verify except as provided in part D below, or discharging or refusing to hire employees because they appear or sound "foreign" or have received tentative nonconfirmations. The Employer further understands that any violation of the immigration-related unfair employment practices provisions in section 274B of the INA could subject the Employer to civil penalties, back pay awards, and other sanctions, and violations of Title VII could subject the Employer to back pay awards, compensatory and punitive damages. Violations of either section 274B of the INA or Title VII may also lead to the termination of its participation in E-Verify. If the Employer has any questions relating to the anti-discrimination provision, it should contact OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

15. The Employer agrees that it will use the information it receives from E-Verify only to confirm the employment eligibility of employees as authorized by this MOU. The Employer agrees that it will safeguard this information, and means of access to it (such as PINS and passwords), to ensure that it is not used for any other purpose and as necessary to protect its confidentiality, including ensuring that it is not disseminated to any person other than employees of the Employer who are authorized to perform the Employer's responsibilities under this MOU, except for such dissemination as may be authorized in advance by SSA or DHS for legitimate purposes.

16. The Employer agrees to notify DHS immediately in the event of a breach of personal information. Breaches are defined as loss of control or unauthorized access to E-Verify personal data. All suspected or confirmed breaches should be reported by calling 1-888-464-4218 or via email at E-Verify@dhs.gov. Please use "Privacy Incident – Password" in the subject line of your email when sending a breach report to E-Verify.

17. The Employer acknowledges that the information it receives from SSA is governed by the Privacy Act (5 U.S.C. § 552a(i)(1) and (3)) and the Social Security Act (42 U.S.C. 1306(a)). Any person who obtains this information under false pretenses or uses it for any purpose other than as provided for in this MOU may be subject to criminal penalties.

18. The Employer agrees to cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, which includes permitting DHS, SSA, their contractors and other agents, upon

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reasonable notice, to review Forms I-9 and other employment records and to interview it and its employees regarding the Employer's use of E-Verify, and to respond in a prompt and accurate manner to DHS requests for information relating to their participation in E-Verify.

19. The Employer shall not make any false or unauthorized claims or references about its participation in E-Verify on its website, in advertising materials, or other media. The Employer shall not describe its services as federally-approved, federally-certified, or federally-recognized, or use language with a similar intent on its website or other materials provided to the public. Entering into this MOU does not mean that E-Verify endorses or authorizes your E-Verify services and any claim to that effect is false.

20. The Employer shall not state in its website or other public documents that any language used therein has been provided or approved by DHS, USCIS or the Verification Division, without first obtaining the prior written consent of DHS.

21. The Employer agrees that E-Verify trademarks and logos may be used only under license by DHS/USCIS (see M-795 (Web)) and, other than pursuant to the specific terms of such license, may not be used in any manner that might imply that the Employer's services, products, websites, or publications are sponsored by, endorsed by, licensed by, or affiliated with DHS, USCIS, or E-Verify.

22. The Employer understands that if it uses E-Verify procedures for any purpose other than as authorized by this MOU, the Employer may be subject to appropriate legal action and termination of its participation in E-Verify according to this MOU.

B. RESPONSIBILITIES OF FEDERAL CONTRACTORS

1. If the Employer is a Federal contractor with the FAR E-Verify clause subject to the employment verification terms in Subpart 22.18 of the FAR, it will become familiar with and comply with the most current version of the E-Verify User Manual for Federal Contractors as well as the E-Verify Supplemental Guide for Federal Contractors.

2. In addition to the responsibilities of every employer outlined in this MOU, the Employer understands that if it is a Federal contractor subject to the employment verification terms in Subpart 22.18 of the FAR it must verify the employment eligibility of any "employee assigned to the contract" (as defined in FAR 22.1801). Once an employee has been verified through E-Verify by the Employer, the Employer may not create a second case for the employee through E-Verify.

a. An Employer that is not enrolled in E-Verify as a Federal contractor at the time of a contract award must enroll as a Federal contractor in the E-Verify program within 30 calendar days of contract award and, within 90 days of enrollment, begin to verify employment eligibility of new hires using E-Verify. The Employer must verify those employees who are working in the United States, whether or not they are assigned to the contract. Once the Employer begins verifying new hires, such verification of new hires must be initiated within three business days after the hire date. Once enrolled in E-Verify as a Federal contractor, the Employer must begin verification of employees assigned to the contract within 90 calendar days after the date of enrollment or within 30 days of an employee's assignment to the contract, whichever date is later.

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b. Employers enrolled in E-Verify as a Federal contractor for 90 days or more at the time of a contract award must use E-Verify to begin verification of employment eligibility for new hires of the Employer who are working in the United States, whether or not assigned to the contract, within three business days after the date of hire. If the Employer is enrolled in E-Verify as a Federal contractor for 90 calendar days or less at the time of contract award, the Employer must, within 90 days of enrollment, begin to use E-Verify to initiate verification of new hires of the contractor who are working in the United States, whether or not assigned to the contract. Such verification of new hires must be initiated within three business days after the date of hire. An Employer enrolled as a Federal contractor in E-Verify must begin verification of each employee assigned to the contract within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever is later.

c. Federal contractors that are institutions of higher education (as defined at 20 U.S.C. 1001(a)), state or local governments, governments of Federally recognized Indian tribes, or sureties performing under a takeover agreement entered into with a Federal agency under a performance bond may choose to only verify new and existing employees assigned to the Federal contract. Such Federal contractors may, however, elect to verify all new hires, and/or all existing employees hired after November 6, 1986. Employers in this category must begin verification of employees assigned to the contract within 90 calendar days after the date of enrollment or within 30 days of an employee's assignment to the contract, whichever date is later.

d. Upon enrollment, Employers who are Federal contractors may elect to verify employment eligibility of all existing employees working in the United States who were hired after November 6, 1986, instead of verifying only those employees assigned to a covered Federal contract. After enrollment, Employers must elect to verify existing staff following DHS procedures and begin E-Verify verification of all existing employees within 180 days after the election.

e. The Employer may use a previously completed Form I-9 as the basis for creating an E-Verify case for an employee assigned to a contract as long as:

i. That Form I-9 is complete (including the SSN) and complies with Article II.A.6,

ii. The employee's work authorization has not expired, and

iii. The Employer has reviewed the Form I-9 information either in person or in communications with the employee to ensure that the employee's Section 1, Form I-9 attestation has not changed (including, but not limited to, a lawful permanent resident alien having become a naturalized U.S. citizen).

f. The Employer shall complete a new Form I-9 consistent with Article II.A.6 or update the previous Form I-9 to provide the necessary information if:

i. The Employer cannot determine that Form I-9 complies with Article II.A.6,

ii. The employee's basis for work authorization as attested in Section 1 has expired or changed, or

iii. The Form I-9 contains no SSN or is otherwise incomplete.

Note: If Section 1 of Form I-9 is otherwise valid and up-to-date and the form otherwise complies with

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Article II.C.5, but reflects documentation (such as a U.S. passport or Form I-551) that expired after completing Form I-9, the Employer shall not require the production of additional documentation, or use the photo screening tool described in Article II.A.5, subject to any additional or superseding instructions that may be provided on this subject in the E-Verify User Manual.

g. The Employer agrees not to require a second verification using E-Verify of any assigned employee who has previously been verified as a newly hired employee under this MOU or to authorize verification of any existing employee by any Employer that is not a Federal contractor based on this Article.

3. The Employer understands that if it is a Federal contractor, its compliance with this MOU is a performance requirement under the terms of the Federal contract or subcontract, and the Employer consents to the release of information relating to compliance with its verification responsibilities under this MOU to contracting officers or other officials authorized to review the Employer's compliance with Federal contracting requirements.

C. RESPONSIBILITIES OF SSA

1. SSA agrees to allow DHS to compare data provided by the Employer against SSA's database. SSA sends DHS confirmation that the data sent either matches or does not match the information in SSA's database.

2. SSA agrees to safeguard the information the Employer provides through E-Verify procedures. SSA also agrees to limit access to such information, as is appropriate by law, to individuals responsible for the verification of Social Security numbers or responsible for evaluation of E-Verify or such other persons or entities who may be authorized by SSA as governed by the Privacy Act (5 U.S.C. § 552a), the Social Security Act (42 U.S.C. 1306(a)), and SSA regulations (20 CFR Part 401).

3. SSA agrees to provide case results from its database within three Federal Government work days of the initial inquiry. E-Verify provides the information to the Employer.

4. SSA agrees to update SSA records as necessary if the employee who contests the SSA tentative nonconfirmation visits an SSA field office and provides the required evidence. If the employee visits an SSA field office within the eight Federal Government work days from the date of referral to SSA, SSA agrees to update SSA records, if appropriate, within the eight-day period unless SSA determines that more than eight days may be necessary. In such cases, SSA will provide additional instructions to the employee. If the employee does not visit SSA in the time allowed, E-Verify may provide a final nonconfirmation to the employer.

Note: If an Employer experiences technical problems, or has a policy question, the employer should contact E-Verify at 1-888-464-4218.

D. RESPONSIBILITIES OF DHS

1. DHS agrees to provide the Employer with selected data from DHS databases to enable the Employer to conduct, to the extent authorized by this MOU:

a. Automated verification checks on alien employees by electronic means, and

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b. Photo verification checks (when available) on employees.

2. DHS agrees to assist the Employer with operational problems associated with the Employer's participation in E-Verify. DHS agrees to provide the Employer names, titles, addresses, and telephone numbers of DHS representatives to be contacted during the E-Verify process.

3. DHS agrees to provide to the Employer with access to E-Verify training materials as well as an E-Verify User Manual that contain instructions on E-Verify policies, procedures, and requirements for both SSA and DHS, including restrictions on the use of E-Verify.

4. DHS agrees to train Employers on all important changes made to E-Verify through the use of mandatory refresher tutorials and updates to the E-Verify User Manual. Even without changes to E-Verify, DHS reserves the right to require employers to take mandatory refresher tutorials.

5. DHS agrees to provide to the Employer a notice, which indicates the Employer's participation in E-Verify. DHS also agrees to provide to the Employer anti-discrimination notices issued by the Office of Special Counsel for Immigration-Related Unfair Employment Practices (OSC), Civil Rights Division, U.S. Department of Justice.

6. DHS agrees to issue each of the Employer's E-Verify users a unique user identification number and password that permits them to log in to E-Verify.

7. DHS agrees to safeguard the information the Employer provides, and to limit access to such information to individuals responsible for the verification process, for evaluation of E-Verify, or to such other persons or entities as may be authorized by applicable law. Information will be used only to verify the accuracy of Social Security numbers and employment eligibility, to enforce the INA and Federal criminal laws, and to administer Federal contracting requirements.

8. DHS agrees to provide a means of automated verification that provides (in conjunction with SSA verification procedures) confirmation or tentative nonconfirmation of employees' employment eligibility within three Federal Government work days of the initial inquiry.

9. DHS agrees to provide a means of secondary verification (including updating DHS records) for employees who contest DHS tentative nonconfirmations and photo mismatch tentative nonconfirmations. This provides final confirmation or nonconfirmation of the employees' employment eligibility within 10 Federal Government work days of the date of referral to DHS, unless DHS determines that more than 10 days may be necessary. In such cases, DHS will provide additional verification instructions.

ARTICLE III
REFERRAL OF INDIVIDUALS TO SSA AND DHS

A. REFERRAL TO SSA

1. If the Employer receives a tentative nonconfirmation issued by SSA, the Employer must print the notice as directed by E-Verify. The Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify

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case. The Employer also agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer agrees to provide written referral instructions to employees and instruct affected employees to bring the English copy of the letter to the SSA. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending.

2. The Employer agrees to obtain the employee's response about whether he or she will contest the tentative nonconfirmation as soon as possible after the Employer receives the tentative nonconfirmation. Only the employee may determine whether he or she will contest the tentative nonconfirmation.

3. After a tentative nonconfirmation, the Employer will refer employees to SSA field offices only as directed by E-Verify. The Employer must record the case verification number, review the employee information submitted to E-Verify to identify any errors, and find out whether the employee contests the tentative nonconfirmation. The Employer will transmit the Social Security number, or any other corrected employee information that SSA requests, to SSA for verification again if this review indicates a need to do so.

4. The Employer will instruct the employee to visit an SSA office within eight Federal Government work days. SSA will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary.

5. While waiting for case results, the Employer agrees to check the E-Verify system regularly for case updates.

6. The Employer agrees not to ask the employee to obtain a printout from the Social Security Administration number database (the Numident) or other written verification of the SSN from the SSA.

B. REFERRAL TO DHS

1. If the Employer receives a tentative nonconfirmation issued by DHS, the Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Employer also agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending.

2. The Employer agrees to obtain the employee's response about whether he or she will contest the tentative nonconfirmation as soon as possible after the Employer receives the tentative nonconfirmation. Only the employee may determine whether he or she will contest the tentative nonconfirmation.

3. The Employer agrees to refer individuals to DHS only when the employee chooses to contest a tentative nonconfirmation.

4. If the employee contests a tentative nonconfirmation issued by DHS, the Employer will instruct the

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employee to contact DHS through its toll-free hotline (as found on the referral letter) within eight Federal Government work days.

5. If the Employer finds a photo mismatch, the Employer must provide the photo mismatch tentative nonconfirmation notice and follow the instructions outlined in paragraph 1 of this section for tentative nonconfirmations, generally.

6. The Employer agrees that if an employee contests a tentative nonconfirmation based upon a photo mismatch, the Employer will send a copy of the employee's Form I-551, Form I-766, U.S. Passport, or passport card to DHS for review by:

a. Scanning and uploading the document, or

b. Sending a photocopy of the document by express mail (furnished and paid for by the employer).

7. The Employer understands that if it cannot determine whether there is a photo match/mismatch, the Employer must forward the employee's documentation to DHS as described in the preceding paragraph. The Employer agrees to resolve the case as specified by the DHS representative who will determine the photo match or mismatch.

8. DHS will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary.

9. While waiting for case results, the Employer agrees to check the E-Verify system regularly for case updates.

ARTICLE IV
SERVICE PROVISIONS

A. NO SERVICE FEES

1. SSA and DHS will not charge the Employer for verification services performed under this MOU. The Employer is responsible for providing equipment needed to make inquiries. To access E-Verify, an Employer will need a personal computer with Internet access.

ARTICLE V
MODIFICATION AND TERMINATION

A. MODIFICATION

1. This MOU is effective upon the signature of all parties and shall continue in effect for as long as the SSA and DHS operates the E-Verify program unless modified in writing by the mutual consent of all parties.

2. Any and all E-Verify system enhancements by DHS or SSA, including but not limited to E-Verify checking against additional data sources and instituting new verification policies or procedures, will be covered under this MOU and will not cause the need for a supplemental MOU that outlines these changes.

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B. TERMINATION

1. The Employer may terminate this MOU and its participation in E-Verify at any time upon 30 days prior written notice to the other parties.

2. Notwithstanding Article V, part A of this MOU, DHS may terminate this MOU, and thereby the Employer's participation in E-Verify, with or without notice at any time if deemed necessary because of the requirements of law or policy, or upon a determination by SSA or DHS that there has been a breach of system integrity or security by the Employer, or a failure on the part of the Employer to comply with established E-Verify procedures and/or legal requirements. The Employer understands that if it is a Federal contractor, termination of this MOU by any party for any reason may negatively affect the performance of its contractual responsibilities. Similarly, the Employer understands that if it is in a state where E-Verify is mandatory, termination of this by any party MOU may negatively affect the Employer's business.

3. An Employer that is a Federal contractor may terminate this MOU when the Federal contract that requires its participation in E-Verify is terminated or completed. In such cases, the Federal contractor must provide written notice to DHS. If an Employer that is a Federal contractor fails to provide such notice, then that Employer will remain an E-Verify participant, will remain bound by the terms of this MOU that apply to non-Federal contractor participants, and will be required to use the E-Verify procedures to verify the employment eligibility of all newly hired employees.

4. The Employer agrees that E-Verify is not liable for any losses, financial or otherwise, if the Employer is terminated from E-Verify.

ARTICLE VI
PARTIES

A. Some or all SSA and DHS responsibilities under this MOU may be performed by contractor(s), and SSA and DHS may adjust verification responsibilities between each other as necessary. By separate agreement with DHS, SSA has agreed to perform its responsibilities as described in this MOU.

B. Nothing in this MOU is intended, or should be construed, to create any right or benefit, substantive or procedural, enforceable at law by any third party against the United States, its agencies, officers, or employees, or against the Employer, its agents, officers, or employees.

C. The Employer may not assign, directly or indirectly, whether by operation of law, change of control or merger, all or any part of its rights or obligations under this MOU without the prior written consent of DHS, which consent shall not be unreasonably withheld or delayed. Any attempt to sublicense, assign, or transfer any of the rights, duties, or obligations herein is void.

D. Each party shall be solely responsible for defending any claim or action against it arising out of or related to E-Verify or this MOU, whether civil or criminal, and for any liability wherefrom, including (but not limited to) any dispute between the Employer and any other person or entity regarding the applicability of Section 403(d) of IIRIRA to any action taken or allegedly taken by the Employer.

E. The Employer understands that its participation in E-Verify is not confidential information and may be disclosed as authorized or required by law and DHS or SSA policy, including but not limited to,

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Congressional oversight, E-Verify publicity and media inquiries, determinations of compliance with Federal contractual requirements, and responses to inquiries under the Freedom of Information Act (FOIA).

F. The individuals whose signatures appear below represent that they are authorized to enter into this MOU on behalf of the Employer and DHS respectively. The Employer understands that any inaccurate statement, representation, data or other information provided to DHS may subject the Employer, its subcontractors, its employees, or its representatives to: (1) prosecution for false statements pursuant to 18 U.S.C. 1001 and/or; (2) immediate termination of its MOU and/or; (3) possible debarment or suspension.

G. The foregoing constitutes the full agreement on this subject between DHS and the Employer.

To be accepted as an E-Verify participant, you should only sign the Employer's Section of the signature page. If you have any questions, contact E-Verify at 1-888-464-4218.

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Company ID Number: 254136

Approved by:

Employer Anderson Columbia Co., Inc.	
Name (Please Type or Print) Tonya E Wasson	Title
Signature Electronically Signed	Date 09/18/2009
Department of Homeland Security – Verification Division	
Name (Please Type or Print) USCIS Verification Division	Title
Signature Electronically Signed	Date 09/18/2009

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Company ID Number: 254136

Information Required for the E-Verify Program **Information relating to your Company:**	
Company Name	Anderson Columbia Co., Inc.
Company Facility Address	871 Guerdon Street Lake City, FL 32056
Company Alternate Address	PO Box 1829 Lake City, FL 32087
County or Parish	COLUMBIA
Employer Identification Number	592871935
North American Industry Classification Systems Code	238
Parent Company	Anderson Columbia Co., Inc.
Number of Employees	1,000 to 2,499
Number of Sites Verified for	3

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Are you verifying for more than 1 site? If yes, please provide the number of sites verified for in each State:

FLORIDA	1 site(s)
GEORGIA	1 site(s)
TEXAS	1 site(s)

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Company ID Number: 254136

Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:

Name	Patti A Chiappini
Phone Number	(386) 752 - 7585 ext. 231
Fax Number	(386) 755 - 9132
Email Address	chiappinip@andersoncolumbia.com

Name	Mark Resler
Phone Number	(386) 752 - 7585 ext. 252
Fax Number	(386) 755 - 9132
Email Address	mresler@andersoncolumbia.com

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

375-030-32
PROCUREMENT
11/15

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION- LOWER TIER COVERED TRANSACTIONS FOR FEDERAL AID CONTRACTS

(Compliance with 2 CFR Parts 180 and 1200)

It is certified that neither the below identified firm nor its principals are presently suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.

Name of Consultant/Contractor: Anderson Columbia Co., Inc.

By: E. Tony Williams Jr.

Date: 5-15-2025

Title: E. Tony Williams Jr., Vice President

Instructions for Certification

Instructions for Certification - Lower Tier Participants:
(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost $25,000 or more - 2 CFR Parts 180 and 1200)
a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (https://www.epls.gov/), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

LAP CERTIFICATION OF CURRENT CAPACITY

CONFIDENTIAL per Ch 337.14(1) F.S.

For bids to be received on MAY 15TH 2025
(Letting Date)

Fill in your FDOT Vendor Number
VF F59-2871935
(Only applicable to FDOT pre-qualified contractors)

CERTIFICATE

I hereby certify that the amount of any proposal submitted by this bidder for the above letting does not exceed the amount of the Firm's CURRENT CAPACITY (maximum capacity rating less total uncompleted work).

The total uncompleted work as shown on the "Status of Contracts on Hand" report (page 2) $ 1,105,070,925.56

I further certify that the "Status of Contracts on Hand" report (page 2) was prepared as follows:

1. If the letting is before the 25th day of the month, the certificate and report reflect the uncompleted work as of the 15th day of the month, last preceding the month of the letting.

2. If the letting is after the 25th day of the month, the certificate and report reflects the uncompleted work in progress as of the 15th day of the month of the letting.

3. All new contracts (and subcontracts) awarded earlier than five days before the letting date are included in the report and charged against our total rating.

I certify that the information above is correct.

Anderson Columbia Co., Inc.
NAME OF FIRM

By: E. Tony Williams Jr.
E. Tony Williams Jr., Vice President
Title

Sworn to and subscribed this 15TH day of MAY, 20 ____

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

STATUS OF CONTRACTS ON HAND

(Furnish complete information about all your contracts, whether prime or subcontracts; whether in progress or awarded, but not yet begun; and regardless of whom contracted with.)

1	2	3	4	5	6
PROJECTS OWNER, LOCATION AND DESCRIPTION	CONTRACT (OR SUBCONTRACT) AMOUNT	AMOUNT SUBLET TO OTHERS	BALANCE OF CONTRACT AMOUNT	UNCOMPLETED AMOUNT TO BE DONE BY YOU	
				AS PRIME CONTRACTOR	AS SUBCONTRACTOR
NOTE: Columns 2 and 3 to show total contract (or subcontract) amounts. Column 4 to be difference between columns 2 and 3. Amount in columns 5 or 6 to be uncompleted portion of amount in column 4. All amounts to be shown to nearest $100. The Contractor may consolidate and list as a single item all contracts which, individually, do not exceed 3% of total, and which, in the aggregate, amount to less than 20% of the total.			TOTALS	$0.00	$0.00
			TOTAL UNCOMPLETED WORK ON HAND TO BE DONE BY YOU (TOTAL COLUMNS 5 AND 6)	$0.00	

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

STATUS OF CONTRACTS ON HAND

FDOT	302,918,864.95
OTHER	478,864,820.58
TOTAL	781,783,685.54

CONTRACTOR
ANDERSON COLUMBIA CO , INC
POST OFFICE 1829
LAKE CITY, FL 32056

STATUS AS OF MAY 13TH 2025

(Furnish full information about all of your contracts, whether prime or subcontracts, whether in progress or awarded but not yet begun, and regardless of with whom contracted)

	1	2	3	4	5	6		
	PROJECT, OWNER, LOCATION AND DESCRIPTION	CONTRACTS (OR SUBCONTRACT) AMOUNT	AMOUNT SUBLET TO OTHERS	BALANCE OF CONTRACT AMOUNT	UNCOMPLETED AMOUNT TO BE DONE AS PRIME CONTRACTOR	UNCOMPLETED AMOUNT TO BE DONE AS SUB-CONTRACTOR	% COMPLETE	
221102	SR 9 (I-95) ST JOHNS CO. 434615-15201 ETC (T2793)	31,049,851.00	7,762,462.75	23,287,388.25	2,263,324.87		0.9028	0.097
222112	SR 25 (US 41) From I-75 (SR 93) to CR 252	11,159,564.41	2,789,891.10	8,369,673.31	4,193,376.27		0.4990	0.501
222113	SR 20 (US 27) from Alachua County Line to Suwannee County Line	11,841,194.19	2,960,298.55	8,880,895.64	1,339,531.82		0.8492	0.151
222114	SR 10 (US 90) from East of Greenbille to Madison	8,601,469.45	2,150,367.36	6,451,102.09	472,612.64		0.9267	0.073
222115	SR 93 (I-75) From Columbia Co. Line To Hamilton Co. Line: Suwannee Co	10,095,026.00	2,523,756.50	7,571,269.50	763,450.00		0.8992	0.101
222117	SR 8 (I-10) From E of SR 51 (US 129) To E of the Columbia Co. Line	16,769,255.00	4,192,313.75	12,576,941.25	3,710,892.10		0.7049	0.295
222120	SR 93 (I-75) From S of CR 240 To N of SR 47 and From N of SR 8 (I-10) To I	25,628,657.00	6,407,164.25	19,221,492.75	1,839,386.10		0.9043	0.096
222803	LAKE BAISDEN LOOP-ROADWAY/BRIDGE CULVERT;HAMILTON CO	5,537,750.00	1,384,437.50	4,153,312.50	3,588,890.76		0.1359	0.864
223101	SR 55, From Gilchrist Co. Line To NE 8th St ; Levy Co	18,472,974.91	4,618,243.73	13,854,731.18	622,036.29		0.9551	0.045
223102	SR 51 from 1st Avenue South to Dixie Couny Line. Taylor Co DESIGN BUIL	11,213,775.00	2,803,443.75	8,410,331.25	5,599,509.69		0.3342	0.666
223103	SR47 N of I-10 To Deep Creek- Resurfacing; Columbia Co DESIGN BUI	9,409,691.00	2,352,422.75	7,057,268.25	3,405,664.73		0.5174	0.483
223107	SR 14 From SW Sampala Lakr Rd To SR 53 Madison Co	4,420,616.71	1,105,154.18	3,315,462.53	673,006.96		0.7970	0.203
223111	SR 51 (US 129) From the Suwannee County Line To I-75; Hamilton Co	3,579,114.06	894,778.52	2,684,335.55	2,463,240.26		0.0824	0.918
223112	SR 47 (US 441), From SR 100A (NW Bascom Norris Dr) To I-10, Columbia C	5,714,114.82	1,428,528.71	4,285,586.12	852,014.39		0.8012	0.199
223201	Cypress Lake Road & Charles Terrace Paving	6,526,025.73	1,631,506.43	4,894,519.30	1,121,970.19		0.7708	0.229
223212	NW 30TH ST AND NW 20TH AVE GILCHRIST CO	2,354,990.00	588,747.50	1,766,242.50	763,347.09		0.5678	0.432
224101	SR 20 (US 27) From Connell Rd To Main Bay Canal Rd Taylor Co	2,921,782.83	730,445.71	2,191,337.12	1,922,469.09		0.1227	0.877
224103	SR 49 (US 129) From Hilliard Ave To Suwannee Co. Line Gilchrist Co	10,923,209.82	2,730,802.46	8,192,407.37	1,542,097.79		0.8118	0.188
224104	SR 8 (I-10) From Chaffee Rd To SR 9A (I-295); DUVAL CO	25,893,809.69	6,473,452.42	19,420,357.27	13,205,462.18		0.3200	0.680
224105	SR 24 At NE 96th Place and From Bronson To Alachua Co. Line: LEVY CO	7,043,462.00	1,760,865.50	5,282,596.50	1,615,309.16		0.6942	0.306
224106	SR 200 (US 301), From Alachua Co Line To CR 100A; BRADFORD CO	18,339,895.00	4,584,973.75	13,754,921.25	1,042,041.72		0.9242	0.076
224108	SR-145 SLOPE REPAIR (FAST RESPONSE) SLOPE AT MP 20.179, MADIS	494,509.00	123,627.25	370,881.75	185,040.68		0.6011	0.499
224118	SR 26 FROM NE/SE 1ST ST TO W OF THE ALACHUA CO. LINE; GILCHRI	8,804,081.42	2,201,020.36	6,603,061.07	6,544,105.55		0.0089	0.991
224120	SR 20 (US 27), FROM THE LAFAYETTE CO. LINE TO THE COLUMBIA CO	9,621,506.75	2,405,376.69	7,216,130.06	7,158,286.14		0.0080	0.992
224201	CR 6 WIDENING AND RESURFACING; COLUMBIA CO	2,451,846.00	612,961.50	1,838,884.50	374,435.64		0.7964	0.204
224202	CR 229 North Milling & Resurfacing; Union Co	6,727,525.80	1,681,881.45	5,045,644.35	147,248.12		0.9708	0.029
224203	CR 345 WIDENING & RESURFACING; LEVY CO	1,564,078.80	391,019.70	1,173,059.10	465,027.01		0.6036	0.396
224204	CR 347 WIDENING & RESURFACING; LEVY CO	1,880,181.00	470,045.25	1,410,135.75	1,372,625.30		0.0266	0.973
224206	ELLISVILLE WATER MAIN EXTENSION; COLUMBIA CO	4,432,533.31	1,108,133.33	3,324,399.98	139,093.13		0.9582	0.042
224207	1ST AVENUE SOUTHEAST WIDENING/RESURFACING; TAYLOR CO	3,897,952.00	974,488.00	2,923,464.00	2,378,243.64		0.1865	0.814
224208	CR 127-WIDENING AND RESURFACING BEECH STREET TO WILLIE GRI	2,410,165.00	602,541.25	1,807,623.75	24,219.17		0.9866	0.013
224209	CR 218 from Cosmos Avenue to Pine Tree Lane for the Bonded Transportati	18,778,156.87	4,694,539.22	14,083,617.65	9,156,451.47		0.3499	0.650
224210	LIVE OAK SEPTIC TO SEWER AND REUSE; CITY OF LIVE OAK	5,463,360.00	1,365,840.00	4,097,520.00	2,677,071.19		0.3467	0.653
224214	CR 25A FROM SE 141ST ST TO US 41, HAMILTON CO.	4,813,830.00	1,203,457.50	3,610,372.50	2,313,776.52		0.3591	0.641
224215	LEVY COUNTY ROAD C-341 SCRAP RESURFACING (SR 345 TO US 98); L	1,466,399.69	366,599.92	1,099,799.77	613,462.36		0.4422	0.558
224216	WIDENING AND RESURFACING OF 76TH STREET, SUWANNEE CO	6,373,236.90	1,593,309.23	4,779,927.68	4,413,563.52		0.0766	0.923
224217	RESURFACING OF COUNTY ROAD 225; BRADFORD CO	4,486,194.14	1,121,548.54	3,364,645.61	629,576.57		0.8129	0.187
224218	82ND AVENUE WIDENING AND RESURFACING; DIXIE CO	1,997,899.61	499,474.90	1,498,424.71	1,487,636.45		0.0072	0.993
224219	CR 250 FROM CR 53 TO CR 250 BRIDGE; LAFAYETTE CO	1,871,665.99	467,916.50	1,403,749.49	1,395,206.99		0.0061	0.994
224221	HI-DRI SUBDIVISION ROAD PAVING AND CROSS DRAIN UPGRADES, CO	4,421,632.69	1,105,408.17	3,316,224.52	3,043,846.00		0.0821	0.918
224222	CR 240 FROM SR 247 TO CR 131; COLUMBIA CO	293,521.00	73,380.25	220,140.75	217,829.08		0.0105	0.989
224223	NE 592ND ST FROM US 19 TO NE 272ND AVE, DIXIE CO	1,430,959.81	357,739.95	1,073,219.86	1,062,425.90		0.0101	0.990
224224	CR 18 WIDENING & RESURFACING FROM COLUMBIA CO. LINE TO SR 1	7,185,251.56	1,796,312.89	5,388,938.67	5,354,548.29		0.0064	0.994
224226	CR 351 FROM SE 163 ST TO CR 351A, DIXIE CO	2,398,960.10	599,740.03	1,799,220.08	1,787,806.35		0.0063	0.994
224227	CR 349 FROM END OF CR 349S TO BEGINNING OF NEW PAVEMENT ON	7,423,449.29	1,855,862.32	5,567,586.97	5,382,828.67		0.0332	0.967
224228	CR 127 PAVING FROM CR 120 TO MOCCASIN CREEK CIRCLE; BAKER C	3,904,537.50	976,134.38	2,928,403.13	1,511,323.43		0.4839	0.516
224231	CR 138 RESURFACING AND PAVED SHOULDERS; GILCHRIST CO	5,607,396.69	1,401,849.17	4,205,547.52	4,187,914.32		0.0042	0.996
224232	WIDEN AND RESURFACE CR 411 /CR 410 FROM SR 20 (US 27) TO END	1,768,884.88	442,221.22	1,326,663.66	1,317,271.72		0.0071	0.993
224233	CR 49 WIDEN AND RESURFACE; SUWANNEE CO	8,706,519.17	2,176,629.79	6,529,889.38	6,502,626.04		0.0042	0.996
224802	SW ENGLISH ST & LM AARON ROADWAY COLUMBIA CO. CNT 2023-11	613,447.00	153,361.75	460,085.25	119,655.63		0.7399	0.260
224803	SUWANNEE COUNTY MITIGATION; SUWANNEE CO	530,220.00	132,555.00	397,665.00	171,522.54		0.5687	0.431
224804	SR 6 LOGISTICS PARK; HAMILTON CO	434,359.88	108,589.97	325,769.91	324,293.24		0.0045	0.995
225102	SR 51; DIXIE AND LAFAYETTE CO	12,598,730.57	3,149,682.64	9,449,047.93	9,399,785.37		0.0052	0.995
225103	SR 345, FROM CR 345 TO SR 500, LEVY CO	4,938,587.53	1,234,646.88	3,703,940.65	3,679,732.57		0.0065	0.993
225104	SR 200 (US 301), FROM SR 20 TO SR 26; ALACHUA CO	12,465,171.88	3,116,292.97	9,348,878.91	9,295,900.57		0.0057	0.994

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

STATUS OF CONTRACTS ON HAND

CONTRACTOR
ANDERSON COLUMBIA CO , INC
POST OFFICE 1829
LAKE CITY, FL 32056

STATUS AS OF MAY 13TH 2025

(Furnish full information about all of your contracts, whether prime or subcontracts whether in progress or awarded, but not yet begun, and regardless of with whom contracted)

	FDOT	302,918,864.95
	OTHER	478,864,820.58
	TOTAL	781,783,685.54

	1	2	3	4	5	6		
	PROJECT, OWNER, LOCATION AND DESCRIPTION	CONTRACTS (OR SUBCONTRACT) AMOUNT	AMOUNT SUBLET TO OTHERS	BALANCE OF CONTRACT AMOUNT	UNCOMPLETED AMOUNT TO BE DONE AS PRIME CONTRACTOR	UNCOMPLETED AMOUNT TO BE DONE AS SUB-CONTRACTOR	COMPLETE	
225105	SR 115 (Lem Turner Rd): From Duval Co Line To SR 15 (US 1): NASSAU CO	4,346,749.04	1,086,687.26	3,260,061.78	3,241,368.45		0.0057	0.994
225106	SR 16; FROM UNION CO. LINE TO SR 200 (US 301) BRADFORD CO.	7,268,107.39	1,817,026.85	5,451,080.54	5,451,080.54		0.0000	1.000
225201	RESURFACING OF CR 132 FROM US 129 TO US 41 HAMILTON CO	3,499,995.11	874,998.78	2,624,996.33	2,611,328.62		0.0052	0.995
225202	CR 6 PAVEMENT REPAIR. HAMILTON CO	94,226.75	23,556.69	70,670.06	70,398.39		0.0038	0.996
225203	RESURFACING OBASCOM NORRIS RD FROM SR 47 TO SW FAITH; COLI	2,750,404.09	687,601.02	2,062,803.07	2,051,897.44		0.0053	0.995
225205	MARTIN LUTHER KING JR. DRIVE GOEORGETOWN DRAINAGE IMPROVE	266,715.18	66,678.80	200,036.39	198,758.05		0.0064	0.994
225206	RESURFACING OF CR 235. BRADFORD CO	4,907,210.63	1,226,802.66	3,680,407.97	3,657,087.25		0.0063	0.994
225207	ANNUAL RESURFACING- GROUP #1: NW ABIGAIL LN & NW BAUGHN	468,647.48	117,161.87	351,485.61	351,485.61		0.0000	1.000
225208	ANNUAL RESURFACING- GROUP #2: NW SATURN LN, NE VOSS RD, AN	530,000.31	132,500.08	397,500.23	397,500.23		0.0000	1.000
225209	ANNUAL RESURFACING- GROUP #3: SW DEKLE RD, SW LEGION DR, S	1,167,746.43	291,936.61	875,809.82	875,809.82		0.0000	1.000
225210	ANNUAL RESURFACING- GROUP #4: SW RING CT, SW HUDSON LN; SW	910,296.63	227,574.16	682,722.47	682,722.47		0.0000	1.000
225211	RESURFACING OF CR 125 N FROM BLAIR CIR TO PARK ST; BAKER CO	1,102,491.48	275,622.87	826,868.61	826,868.61		0.0000	1.000
225601	SR 23 (FIRST COAST XWAY) FROM E OF CR 2209 TO E OF CR 16A: ST J	16,284,420.01	4,071,105.00	12,213,315.01	12,213,315.01		0.0000	1.000
225602	SR 55 (US 19) FROM W JUMP CT TO CR 44 (W FORT ISLAND TRAIL) CTI	1,929,285.70	482,321.43	1,446,964.28	1,446,964.28		0.0000	1.000
225701	COLUMBIA COUNTY STORM PROCESSING SITE DEVELOPMENT	642,990.00	160,747.50	482,242.50	389,397.84		0.1925	0.807
225801	MITIGATION PAVING PROJECT. SUWANNEE CO (CURTS)	145,932.00	36,483.00	109,449.00	109,449.00		0.0000	1.000
225802	NE DUVAL POND ROAD, DRAINAGE AND ROADWAY IMPROVEMENTS	613,380.00	153,345.00	460,035.00	460,035.00		0.0000	1.000
318108	SR 30 (US 98) BAY CO. FIN 431684-15201 ETC. (E3Q67)	13,298,722.00	3,324,680.50	9,974,041.50	769,255.01		0.0229	0.077
320102	SR 369 WAKULLA CO.FIN 220495-75201 ETC:FAP D319080B. T3701	25,408,428.00	6,352,107.00	19,056,321.00	534,429.19		0.9720	0.028
320105	SR 77 WASHINGTON CO. FIN 217909-35201. FAP D319075B. T3618	30,312,321.27	7,578,080.32	22,734,240.95	122,550.38		0.9946	0.005
320205	SOUTHWEST CRESTVIEW BYPASS (PHASE 5 AND EAST/WEST CONNE	21,729,265.49	5,432,316.37	16,296,949.12	1,874,277.64		0.9880	0.115
321105	SR 85 (FERDON BLVD) OKALOOSA CO. FIN 44158-15201. ECT (T3752)	25,410,994.52	6,352,748.63	19,058,245.89	5,402,309.18		0.7165	0.283
321107	SR 8 (I-10) OKALOOSA CO. FIN 407981-55201. ETC. (E3T77)	55,625,648.35	13,906,412.09	41,719,236.26	24,081,050.10		0.4233	0.577
322104	District Wide Push Button	2,071,841.00	517,960.25	1,553,880.75	292,325.99		0.8119	0.188
322111	SR 370 (Gulf Coast Parkway) From SR 30A ((US 98) To CR 2315 (Star Ave)	16,259,869.28	4,064,967.32	12,194,901.96	3,173,693.87		0.7396	0.260
322112	SR 392A (Hutchison Blvd) From SR 30 (US 98A) To SR 30 (US 98A)	14,015,331.17	3,503,832.79	10,511,498.38	7,242,696.27		0.3110	0.689
322116	SR 188 (Racetrack Rd) From SR 189 (Beal Parkway) to SR 85 (Eglin Parkwa	9,290,457.45	2,322,614.36	6,967,843.09	1,518,548.46		0.7821	0.218
322203	Rogers Road, Sylvania Road, and Owens Community Road, Washington Co	3,379,648.00	844,912.00	2,534,736.00	1,236,271.59		0.5123	0.488
323103	SR10/SR71 (US 90) from Chipola River Bridge to East of SR 71 South; Jacks	10,068,433.00	2,517,108.25	7,551,324.75	539,913.91		0.9285	0.071
323104	SR 75 (US 231) From CR 2301 To N of Campflowers Rd Bay Co	14,249,839.69	3,562,459.92	10,687,379.77	8,432,244.99		0.2110	0.789
323105	SR 10 (US 90): From W of SR 75 (US 231) To W of FG&A Railroad Overpass	10,965,377.74	2,741,344.44	8,224,033.31	3,828,304.86		0.5345	0.466
323107	SR 8 (I-10) From W of Yellow River To E of Shoal River: Okaloosa Co	16,815,829.35	4,203,957.34	12,611,872.01	4,426,456.25		0.6490	0.351
323108	SR 77: From N of Rogers Rd To S of Cane Mill Rd	49,717,716.00	12,429,429.00	37,288,287.00	28,209,198.60		0.2435	0.757
323109	SR 71: Jackson Co	12,495,664.11	3,123,916.03	9,371,748.08	5,627,416.65		0.3995	0.600
323110	SR 85 (S Ferdon Blvd) From S of W Redstone Ave. To SR 10 (US 90) and F	10,690,951.93	2,672,737.98	8,018,213.95	3,669,214.09		0.5424	0.458
323201	CARTER CIRCLE: FROM CHAIN LAKE ROAD TO SR 77: WASHINGTON C	1,285,039.91	321,259.98	963,779.93	957,278.21		0.0067	0.993
323205	Jewel Rd, Kent Mill Pnd Rd and Porter Road, Washington Co	2,648,617.00	662,154.25	1,986,462.75	1,975,550.09		0.0055	0.995
323601	Ingram Signalization/FDOT Dist III	1,287,960.00	321,990.00	965,970.00	390,420.11		0.5958	0.404
324101	SR 71, FROM N OF SR 8 (I-10) TO SR 10 (US 90) JACKSON CO	3,639,310.98	909,827.75	2,729,483.24	2,330,587.35		0.1461	0.854
324102	Districtwide State Roads, At Various Locations. Dist/St-Wide	5,000,000.00	1,250,000.00	3,750,000.00	3,708,716.50		0.0110	0.989
324103	SR 285, FROM S OF SR 293 (MIDBAY CONNECTOR) TO WALTON CO. LIN	6,032,019.87	1,508,004.97	4,524,014.90	2,264,550.96		0.4994	0.501
324105	SR 10 (US 90) FROM EAST OF SR 71 TO BEGINNING OF 4 LANE WST OF	6,739,140.39	1,684,785.10	5,054,355.29	4,922,090.63		0.0262	0.974
324106	SR 71; FROM N OF CR 165 (BASSWOOD ROAD) TO 5TH AVE; JACKSON	4,221,650.48	1,055,412.62	3,166,237.86	1,832,299.94		0.4213	0.579
324110	COASTAL CORRIDORS EMERGENCY REPAIR SUPPORT	1,458,758.00	364,689.50	1,094,068.50	995,676.00		0.0899	0.910
324111	SR 79, FROM S OF MILLERS FERRY RD TO S OF MALLORY RD, WASHIN	17,420,146.91	4,355,036.73	13,065,110.18	12,633,298.35		0.0331	0.967
324112	SR 166 (Caverns Rd): From Chipola River Bridge To SR 71, JACKSON CO.	3,355,890.14	838,972.54	2,516,917.61	2,498,164.41		0.0075	0.993
324204	WEST LINGER LONGER ROAD SEDIMENT REDUCTION PROJECT; BAY C	2,321,571.50	580,392.88	1,741,178.63	400,672.39		0.7699	0.230
324205	CR 278 (ALLIANCE RD) RESURFACING PROJECT, JACKSON CO	3,422,548.10	855,637.03	2,566,911.08	2,474,375.71		0.0360	0.964
324207	SOUTH APRON REHABILITATION, CALHOUN CO	946,990.00	236,747.50	710,242.50	706,506.03		0.0053	0.995
324703	BLUE SPINGS SEWER (BAXTER)	273,259.00	68,314.75	204,944.25	2,099.34		0.9898	0.010
324704	TARA ESTATES SEWER PROJECT (BAXTER) (SET UP BY K BUCHANAN	427,159.00	106,789.75	320,369.25	160,241.46		0.4998	0.500
324705	INDIAN SPRINGS PHASE 2B SEWER; JACKSON CO	259,613.00	64,903.25	194,709.75	194,709.75		0.0000	1.000
324706	JACKSON COUNTY TEACHERS CREDIT UNION; JACKSON CO	250,000.00	62,500.00	187,500.00	151,736.11		0.1907	0.809
325101	GULF WINTER WEATHER SYSTEM, OKALOOSA CO. (EMERGENCY CON	200,000.00	50,000.00	150,000.00	145,878.33		0.0275	0.973
325102	SR 267 FROM SR 20 TO GADSDEN CO. LINE; GADSDEN AND LIBERTY C	5,792,325.96	1,448,081.49	4,344,244.47	4,318,822.01		0.0059	0.994
325103	SR 77; FROM S OF SR 273 TO JACKSON CO. LINE; WASHINGTON CO.	1,972,901.70	493,225.43	1,479,676.28	1,479,676.28		0.0000	1.000

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

STATUS OF CONTRACTS ON HAND

CONTRACTOR
ANDERSON COLUMBIA CO , INC
POST OFFICE 1829
LAKE CITY, FL 32056

STATUS AS OF: MAY 13TH 2025

(Furnish full information about all of your contracts, whether prime or subcontracts, whether in progress or awarded, but not yet begun, and regardless of with whom contracted.)

	FDOT	302,918,864.95
	OTHER	478,864,820.58
	TOTAL	781,783,685.54

	1	2	3	4	5	6		
	PROJECT, OWNER, LOCATION AND DESCRIPTION	CONTRACTS (OR SUBCONTRACT) AMOUNT	AMOUNT SUBLET TO OTHERS	BALANCE OF CONTRACT AMOUNT	UNCOMPLETED AMOUNT TO BE DONE AS PRIME CONTRACTOR	UNCOMPLETED AMOUNT TO BE DONE AS SUB-CONTRACTOR	% COMPLETE	
325104	**SR 87 FROM SR 30 (US 98) SANTA ROSA CO.**	2,500,000.00	625,000.00	1,875,000.00	1,875,000.00		0.0000	1.000
325201	Dumajack Road Reconstruction from SR 77 to Deadening Rd Washington C	1,725,552.10	431,388.03	1,294,164.08	1,286,975.88		0.0056	0.994
325601	SR 10 (US 90 AT SR 69 (PORTER AVE) JACKSON CO	922,347.10	230,586.78	691,760.33	691,760.33		0.0000	1.000
325701	ACADEMY SPORTS PARKING LOT	375,000.00	93,750.00	281,250.00	281,250.00		0.0000	1.000
518108	SR 30 (US 98) BAY CO. FIN 431684-15201 ETC (E3Q67)	8,700,476.25	2,175,119.06	6,525,357.19	712,079.98		0.8909	0.109
520205	SOUTHWEST CRESTVIEW BYPASS (PHASE 5 AND EAST/WEST CONNE	25,488,158.94	6,372,039.74	19,116,119.21	4,076,809.12		0.7867	0.213
521101	US 90 WASHINGTON CO FIN 417672-25201 (T3711)	8,792,631.00	2,198,157.75	6,594,473.25	1,739,108.83		0.7363	0.264
521107	I-10 OKALOOSA CO 407981-55201/407981-55602 (E3T77) - BRIDGE	17,297,815.30	4,324,453.83	12,973,361.48	3,762,988.46		0.7099	0.290
522102	SR 8 (I-10) Madison Co	9,464,305.00	2,366,076.25	7,098,228.75	1,379,611.80		0.8056	0.194
523101	CR 361 Over Spring Warrior Creek Taylor Co	10,398,461.00	2,599,615.25	7,798,845.75	638,159.69		0.9182	0.082
523102	CR 361B Over Rocky Creek Bridge Taylor Co	5,408,791.00	1,352,197.75	4,056,593.25	31,437.44		0.9923	0.008
523103	DENNIS HOWELL TAYLOR CO FIN437423-1-52-01;FAP D223036B T2953	3,145,242.00	786,310.50	2,358,931.50	1,813,214.87		0.2313	0.769
523108	SR 77 From N of Rogers Rd To S of Cane Mill Rd (323108 ROADWAY)	6,079,921.45	1,519,980.36	4,559,941.09	3,587,091.08		0.2133	0.787
524101	SR 71 Over Baker Branch Bridge Bridge No 470050 Calhoun Co	2,606,259.00	651,564.75	1,954,694.25	1,303,841.19		0.3330	0.667
524102	SR 8 (I-10) and SR 10 (US 90)Over Suwanee River Relief and Aucilla River	9,474,792.00	2,368,698.00	7,106,094.00	6,124,337.87		0.1382	0.862
524201	SAN PEDRO ROAD RETAINING WALL TAYLOR CO	1,174,963.00	293,740.75	881,222.25	863,781.32		0.0198	0.980
524801	TATE'S HELL FORESTWIDE BRIDGE IMPROVEMENTS FRANKLIN CO.	8,159,610.00	2,039,902.50	6,119,707.50	3,092,822.44		0.4946	0.505
525101	SR 55 (US 221) At Two Pines Creek Bridge No 380011 and At Woods Creek	13,809,124.49	3,452,281.12	10,356,843.37	10,356,843.37		0.0000	1.000
525801	**TATE'S HELL FORESTWIDE BRIDGE IMPROVEMENTS; FRANKLIN CO**	25,618,212.16	6,404,553.04	19,213,659.12	19,213,659.12		0.0000	1.000
722109	FM 624 NUECES CO ;PROJECT# F2022(932),CONTRACT# 0989-02-054	10,234,313.92	2,558,578.48	7,675,735.44	459,874.12		0.9401	0.060
722217	BULK DOCK 1 EXPANSION OF LANDSIDE OPS NUECES CO PRO-21-030	12,867,476.00	3,216,869.00	9,650,607.00	2,533,770.32		0.7374	0.263
723104	FM 2678; REFUGIO CO. CNT 155-06-213 PRO #C 155-6-213	13,060,414.00	3,265,103.50	9,795,310.50	4,789,619.92		0.5110	0.489
723105	US 181 BEE CO. CNT #646-18-8001 PRO #MMC-6457-25-001	278,160.00	69,540.00	208,620.00	177,450.00		0.1494	0.851
723204	2023 STREET AND DRAINAGE BOND PROJECT-PORT ARANSAS TX	6,722,521.00	1,680,630.25	5,041,890.75	1,226,899.25		0.7567	0.243
723205	STREET PREVENTATIVE MAINTENANCE (SPMP) FY2024 (24002)	13,452,000.00	3,363,000.00	10,089,000.00	957,039.73		0.9051	0.095
723705	STEEL DYNAMICS 2023, SAN PATRICIO CO	13,452,000.00	3,363,000.00	10,089,000.00	10,013,125.68		0.0075	0.992
723706	WHITECAP NPI COMMODORES DRIVE BRIDGE	9,050,512.00	2,262,628.00	6,787,884.00	2,378,995.90		0.6495	0.350
723707	GP ALL PURPOSE FACILITY	976,000.00	244,000.00	732,000.00	88,797.65		0.8787	0.121
724101	US 181 SAN PATRICIO CO	12,996,390.00	3,249,097.50	9,747,292.50	2,601,085.82		0.7331	0.267
724102	US 77 KLEBERG CO	322,582.00	80,645.50	241,936.50	141,828.17		0.4138	0.586
724104	SH 358 NUECES CO	6,746,673.00	1,686,668.25	5,060,004.75	3,612,053.50		0.2862	0.714
724106	SH 44 NUECES CO	8,824,812.00	2,206,203.00	6,618,609.00	6,531,142.01		0.0132	0.987
724107	SH 35 ARANSAS CO	295,600.00	73,900.00	221,700.00	25,724.88		0.8840	0.116
724108	US 284 JIM WELLS CO	514,000.00	128,500.00	385,500.00	296,608.33		0.2306	0.769
724109	MUSTANG BEACH AIRPORT	4,790,192.80	1,197,548.20	3,592,644.60	2,040,877.02		0.4319	0.568
724110	SH 358; NUECES CO	557,000.00	139,250.00	417,750.00	409,700.00		0.0193	0.981
724201	RESIDENTIAL STREET REBUILD PROGRAM (RSRP) FY 2024-BASE BID 3	6,334,092.85	1,583,523.21	4,750,569.64	1,624,917.84		0.6580	0.342
724203	AL SPEIGHT YARD RAIL AND DRAINAGE MODIFICATIONS	6,335,000.00	1,583,750.00	4,751,250.00	2,374,128.97		0.5003	0.500
724205	BULK TERMINAL PUBLIC PAD DRAINAGE IMPROVEMENTS	5,735,959.00	1,433,989.75	4,301,969.25	1,252,230.08		0.7089	0.291
724206	PORT OF CORPUS CHRISTI RINCON WEST LAYDOWN YARD	9,245,000.00	2,311,250.00	6,933,750.00	759,963.07		0.8904	0.110
724207	PORT OF CORPUS CHRISTI JFC IMPROVEMENTS AT ADM INTERSECTI	1,380,000.00	345,000.00	1,035,000.00	841,200.52		0.1872	0.813
725101	FM 1356 KLEBERG CO	898,358.10	224,589.53	673,768.58	666,083.03		0.0114	0.989
725102	IH 37 NUECES CO	673,234.65	168,308.66	504,925.99	499,331.82		0.0111	0.989
725103	**SH 35; ARANSAS CO.**	419,525.00	104,881.25	314,643.75	314,643.75		0.0000	1.000
725201	**KLUGE TRAIL AND HOLLY ROAD STREET IMPROVEMENTS**	348,000.00	87,000.00	261,000.00	261,000.00		0.0000	1.000
725202	**25050 RESIDENTIAL STREET BOND 2024 RPP IDIQ**	**18,000,000.00**	4,500,000.00	13,500,000.00	13,500,000.00		0.0000	1.000
822103	I-75 CR 484 MARION CO FROM SUMPTER CO LINE TO SR 200	40,834,066.40	10,208,516.60	30,625,549.80	3,515,099.78		0.8852	0.115
823104	SR 464 From SR 500 To SR 35; Marion Co	26,172,485.00	6,543,121.25	19,629,363.75	7,761,733.47		0.6046	0.395
824101	SR 200 FROM I-75 TO US 301-RESURFACING MARION CO	16,652,998.00	4,163,024.50	12,489,073.50	9,267,625.35		0.2579	0.742
824102	I-75 SUMTER & MARION CO E54F4	13,460,000.00	3,365,000.00	10,095,000.00	6,040,635.85		0.4016	0.598
824103	SR 200(US 301)ALACHUA FAP D224060B,FIN434318-2-52-01# T2A02	7,332,696.00	1,833,174.00	5,499,522.00	5,297,007.44		0.0368	0.963
825101	**SR 25; FROM N OF CR 25A TO AVE I AND FROM AVE I TO ALACHUA CO**	14,193,258.29	3,548,314.57	10,644,943.72	10,252,954.00		0.0368	0.963
825201	CR 234 MAJOR REHABILITATION ALACHUA CO	3,815,076.67	953,769.17	2,861,307.50	2,845,876.21		0.0054	0.995
91109	VA HIDALGO CO BORDER INSPECTION SAFETY FACILITY	21,634,503.50	5,408,625.88	16,225,877.63	664,674.95		0.9590	0.041
917107	US 83 HIDALGO CO (LAJOYA BYPASS)	89,959,035.10	22,489,758.78	67,469,276.33	22,729.72		0.9997	0.000
919108	US 83 WEBB CO NH-2019(047)	68,163,199.00	17,040,799.75	51,122,399.25	987,984.40		0.9807	0.019

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

STATUS OF CONTRACTS ON HAND

FDOT	302,918,864.95
OTHER	478,864,820.58
TOTAL	781,783,685.54

CONTRACTOR
ANDERSON COLUMBIA CO , INC
POST OFFICE 1829
LAKE CITY, FL 32056

STATUS AS OF: MAY 13TH 2025

(Furnish full information about all of your contracts, whether prime or subcontracts, whether in progress or awarded, but not yet begun, and regardless of with whom contracted)

	1	2	3	4	5	6		
	PROJECT, OWNER, LOCATION AND DESCRIPTION	CONTRACTS (OR SUBCONTRACT) AMOUNT	AMOUNT SUBLET TO OTHERS	BALANCE OF CONTRACT AMOUNT	UNCOMPLETED AMOUNT TO BE DONE AS PRIME CONTRACTOR	UNCOMPLETED AMOUNT TO BE DONE AS SUB-CONTRACTOR	% COMPLETE	
922101	IH35 WEBB CO. CONTRACT 0018-05-104; PROJECT NO. C-18-5-104	15,093,979.55	3,773,494.89	11,320,484.66	1,080,320.48		0.9046	0.095
922102	US 77 KLEBERG CO	180,351,244.36	45,087,811.09	135,263,433.27	74,712,593.25		0.4477	0.552
922103	US 281 JIM WELLS CO PROJECT NO F2022 (654) C# 0254-03-081	15,324,468.00	3,831,117.00	11,493,351.00	1,063,076.94		0.9075	0.092
923101	IH-35 Webb Co	30,636,359.77	7,659,089.94	22,977,269.83	267,057.87		0.9884	0.012
923102	US 77 Kleberg Co	488,600.00	122,150.00	366,450.00	143,884.37		0.6074	0.393
923103	SH 35 Aransas Co	22,334,444.00	5,583,611.00	16,750,833.00	4,708,467.64		0.7189	0.281
923106	US 281 Jim Wells Co	138,438,662.84	34,609,665.71	103,828,997.13	68,426,344.80		0.3410	0.659
923107	FM 186 DIMMIT CO	13,645,429.42	3,411,357.36	10,234,072.07	6,507,391.15		0.3641	0.636
923110	US 59;LIVE OAK CO.CONTRACT 6448-33-001,PROJ MMC-644833001	304,420.00	76,105.00	228,315.00	221,705.00		0.0290	0.971
923111	SH 359 WEBB CO	47,421,034.00	11,855,258.50	35,565,775.50	19,285,307.74		0.4578	0.542
923705	*SAXET ENERGY PARK-DATA CENTER PROJECT	2,912,244.00	728,061.00	2,184,183.00	843,504.55		0.6138	0.386
924101	IH 35 FRIO CO	11,872,494.75	2,968,123.69	8,904,371.06	5,736,780.26		0.3557	0.644
924102	SH 141 JIM WELLS CO	24,833,825.30	6,208,456.33	18,625,368.98	13,729,796.11		0.2628	0.737
924103	IH 35 LA SALLE COUNTY	31,549,072.00	7,887,268.00	23,661,804.00	5,005,923.18		0.7884	0.212
924104	SH 255 WEBB COUNTY	24,522,672.40	6,130,668.10	18,392,004.30	17,815,818.32		0.0313	0.969
924105	SL 20 WEBB CO CONTRACT 0086-16-008 PROJ # F 2025(211)	49,586,906.60	12,396,726.65	37,190,179.95	36,407,875.91		0.0210	0.979
924201	EL PICO RD WIDENING & PAVING WEBB CO ARPA PJT NO 25	5,876,920.00	1,469,230.00	4,407,690.00	3,425,195.59		0.2229	0.777
924601	SH 285 JIM HOGG CO	15,792,191.10	3,948,047.78	11,844,143.33	10,817,193.92		0.0867	0.913
924602	FM 469 LA SALLE COUNTY	7,270,852.00	1,817,713.00	5,453,139.00	5,453,139.00		0.0000	1.000
925101	IH 35 WEBB CO	10,599,419.72	2,649,854.93	7,949,564.79	7,894,137.25		0.0070	0.993
	NOTE Columns 2 and 3 to show total contract (or subcontract) amounts. Column 4 to be difference between columns 2 and 3. Amount in columns 5 or 6 to be uncompleted portion of amount in columns 4. All amounts to be shown to nearest $100. The Contractor may consolidate and list as a single item all contracts which, individually, do not exceed 3% of total, and which, in aggregate, amount to less than 20% of the total.			TOTALS	781,783,685.54			
				TOTAL UNCOMPLETED WORK ON HAND TO BE DONE BY YOU (TOTAL-COLUMNS 5 AND 6) $		781,783,685.54		

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

CERTIFICATION FOR DISCLOSURE OF LOBBYING ACTIVITIES ON FEDERAL-AID CONTRACTS

(Compliance with 49CFR, Section 20.100 (b))

The prospective participant certifies, by signing this certification, that to the best of his or her knowledge and belief:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities", in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

The prospective participant also agrees by submitting his or her proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such subrecipients shall certify and disclose accordingly.

Name of Consultant: Anderson Columbia Co., Inc.

By: E. Tony Williams Jr. Date: 5/15/2025

Authorized Signature: E. Tony Williams

Title: Vice President

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DISCLOSURE OF LOBBYING ACTIVITIES

375-030-34
PROCUREMENT
02/25

Is this form applicable to your firm?
YES ☐ NO ☒
If *no*, then please complete section 4 below for "Prime"

1. Type of Federal Action: a. contract b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	**2. Status of Federal Action:** a. bid/offer/application b. initial award c. post-award	**3. Report Type:** a. initial filing b. material change **For Material Change Only:** Year: _____ Quarter: _____ Date of last report: _____ (mm/dd/yyyy)

4. Name and Address of Reporting Entity: ☒ Prime ☐ Subawardee Tier _____, *if known*: Anderson Columbia Co., Inc. P.O. Box 1829, Lake City, FL. 32056 Congressional District, *if known*: 4c	5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime: _____ Congressional District, *if known*: _____
6. Federal Department/Agency:	**7. Federal Program Name/Description:** Assistance Listing Number (ALN), *if applicable*: _____
8. Federal Action Number, *if known*:	**9. Award Amount,** *if known*: $ _____
10. a. Name and Address of Lobbying Registrant (*if individual, last name, first name, MI*):	**b. Individuals Performing Services** (*including address if different from No. 10a*) (*last name, first name, MI*):
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.	Signature: _____ Print Name: E. Tony Williams Jr. Title: Vice President Telephone No.: 386.752.7585 Ext. 224 Date (mm/dd/yyyy): 05/15/2025

Federal Use Only:	Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

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INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.

2. Identify the status of the covered Federal action.

3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.

4. Enter the fullname, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.

5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.

6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.

7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.

8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."

9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.

10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.

    (b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).

11. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503.

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

NON-COLLUSION DECLARATION AND COMPLIANCE WITH 49 CFR § 29

ITEM/SEGMENT NO.: _____
F.A.P. NO.: _____
MANAGING DISTRICT: _____
PARCEL NO.: _____
COUNTY OF: NASSAU
BID LETTING OF: _____

I, E. Tony Williams Jr (NAME), hereby declare that I am

Vice President (TITLE) of Anderson Columbia Co., Inc. (FIRM)

of Lake City, Florida (CITY AND STATE)

and that I am the person responsible within my firm for the final decision as to the price(s) and amount of this Bid on this State Project.

I further declare that:

1. The prices(s) and amount of this bid have been arrived at independently, without consultation, communication or agreement, for the purpose of restricting competition with any other contractor, bidder or potential bidder.

2. Neither the price(s) nor the amount of this bid have been disclosed to any other firm or person who is a bidder or potential bidder on this project, and will not be so disclosed prior to the bid opening.

3. No attempt has been made or will be made to solicit, cause or induce any other firm or person to refrain from bidding on this project, or to submit a bid higher than the bid of this firm, or any intentionally high or non-competitive bid or other form of complementary bid.

4. The bid of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary bid.

5. My firm has not offered or entered into a subcontract or agreement regarding the purchase of materials or services from any firm or person, or offered, promised or paid cash or anything of value to any firm or person, whether in connection with this or any other project, in consideration for an agreement or promise by any firm or person to refrain from bidding or to submit a complementary bid on this project.

6. My firm has not accepted or been promised any subcontract or agreement regarding the sale of materials or services to any firm or person, and has not been promised or paid cash or anything of value by any firm or person, whether in connection with this or any other project, in consideration for my firm's submitting a complementary bid, or agreeing to do so, on this project.

7. I have made a diligent inquiry of all members, officers, employees, and agents of my firm with responsibilities relating to the preparation, approval or submission of my firm's bid on this project and have been advised by each of them that he or she has not participated in any communication, consultation, discussion, agreement, collusion, act or other conduct inconsistent with any of the statements and representations made in this Declaration.

8. As required by Section 337.165, Florida Statutes, the firm has fully informed the Department of Transportation in writing of all convictions of the firm, its affiliates (as defined in Section 337.165(l)(a), Florida Statutes), and all directors, officers, and employees of the firm and its affiliates for violation of state or federal antitrust laws with respect to a public contract or for violation of any state or federal law involving fraud, bribery, collusion, conspiracy or material misrepresentation with respect to a public contract. This includes disclosure of the names of current employees of the firm or affiliates who were convicted of contract crimes while in the employ of another company.

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9. I certify that, except as noted below, neither my firm nor any person associated therewith in the capacity of owner, partner, director, officer, principal, investigator, project director, manager, auditor, and/or position involving the administration of Federal funds:

(a) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions, as defined in 49 CFR §29.110(a), by any Federal department or agency;

(b) has within a three-year period preceding this certification been convicted of or had a civil judgment rendered against him or her for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a Federal, State or local government transaction or public contract; violation of Federal or State antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;

(c) is presently indicted for or otherwise criminally or civilly charged by a Federal, State or local governmental entity with commission of any of the offenses enumerated in paragraph 9(b) of this certification; and

(d) has within a three-year period preceding this certification had one or more Federal, State or local government public transactions terminated for cause or default.

10. I(We), certify that I(We), shall not knowingly enter into any transaction with any subcontractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this contract by any Federal Agency unless authorized by the Department.

Where I am unable to declare or certify as to any of the statements contained in the above stated paragraphs numbered (1) through (10), I have provided an explanation in the "Exceptions" portion below or by attached separate sheet.

EXCEPTIONS:

(Any exception listed above will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted, indicate to whom it applies, initiating agency and dates of agency action. Providing false information may result in criminal prosecution and/or administrative sanctions.)

I declare under penalty of perjury that the foregoing is true and correct.

CONTRACTOR: (Seal)

BY: E. Tony Williams Jr., Vice President
NAME AND TITLE PRINTED

BY: _____
SIGNATURE

WITNESS: _____

WITNESS: _____

Executed on this 15th day of MAY, 2025

FAILURE TO FULLY COMPLETE AND EXECUTE THIS DOCUMENT MAY RESULT IN THE BID BEING DECLARED NONRESPONSIVE

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REQUIRED CONTRACT PROVISIONS

This certification applies to subcontractors, material suppliers, vendors and other lower tier participants.

- Appendix B of 49 CFR Part 29 –

Appendix B—Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion—Lower Tier Covered Transactions

Instructions for Certification

1. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

4. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to whom this proposal is submitted for assistance in obtaining a copy of those regulations.

5. The prospective lower tier participant agrees by submitting this proposal that it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

6. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.

8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion—Lower Tier Covered Transactions

(1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntary excluded from participation in this transaction by any Federal department or agency.

(2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

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Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

April 30,2025

ANDERSON COLUMBIA CO., INC.
871 NW GUERDON STREET
LAKE CITY, FLORIDA 32055

RE: CERTIFICATE OF QUALIFICATION

The Department of Transportation has qualified your company for the type of work indicated below.

FDOT APPROVED WORK CLASSES:
DEBRIS REMOVAL (EMERGENCY), DRAINAGE, FENCING, FLEXIBLE PAVING, GRADING, GRASSING, SEEDING AND SODDING, GUARDRAIL, HOT PLANT-MIXED BITUM. COURSES, INTERMEDIATE BRIDGES, MAJOR BRIDGE - BRIDGES OF CONVENTIONAL CONSTRUCTION WHICH ARE OVER A WATER OPENING OF 1,000 FEET OR MORE, MAJOR BRIDGE - CURVED STEEL GIRDERS, MAJOR BRIDGE - MULTI-LEVEL ROADWAYS, MAJOR BRIDGE - STEEL TRUSS CONSTRUCTION, MINOR BRIDGES, PORTLAND CEMENT CONCRETE ROADWAY PAVING, R&R INTERMEDIATE BRIDGES ("R&R" IS REPAIR AND REHABILITATE), R&R MAJOR BRIDGE - BRIDGES OF CONVENTIONAL CONSTRUCTION WHICH ARE OVER A WATER OPENING OF 1,000 FEET OR MORE, R&R MINOR BRIDGES, ROADWAY SIGNING, SIDEWALK, UTILITY WORK

Unless notified otherwise, this Certificate of Qualification will expire **6/30/2026.**

In accordance with Section 337.14(1), Florida Statutes, an application for qualification must be filed within (4) months of the ending date of the applicant's audited annual financial statements.

If the company's maximum capacity has been revised, it may be accessed by logging into the Contractor Prequalification Application System via the following link:
HTTPS://fdotwp1.dot.state.fl.us/ContractorPreQualification

Once logged in, select "View" for the most recently approved application, and then click the "Manage" and "Application Summary" tabs.

The company may apply for a Revised Certificate of Qualification at any time prior to the expiration date of this certificate according to Section 14-22.0041(3), Florida Administrative Code (F.A.C.), by accessing the most recently approved application as shown above and choosing "Update" instead of "View." If certification in additional classes of work is desired, documentation is needed to show that the company has performed such work.

All prequalified contractors are required by Section 14-22.006(3), F.A.C., to certify their work underway monthly in order to adjust maximum bidding capacity to available bidding capacity. You can find the link to this report at the website shown above.

Sincerely,

James E. Taylor II

James E. Taylor II, Prequalification Supervisor
Contracts Administration Office

JTII

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Ron DeSantis, Governor

Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

WILLIAMS, ERVIN TONY JR

ANDERSON COLUMBIA CO INC
871 NW GUERDON ST.
LAKE CITY FL 32055

LICENSE NUMBER: CGC060909

EXPIRATION DATE: AUGUST 31, 2026

Always verify licenses online at MyFloridaLicense.com

ISSUED: 08/16/2024

Do not alter this document in any form.

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Ron DeSantis, Governor

Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE UNDERGROUND UTILITY & EXCAVATION CO HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

ANDERSON, J H III

ANDERSON COLUMBIA CO INC
2 GUERDON RD
P O BOX 1829
LAKE CITY FL 32056-1829

LICENSE NUMBER: CUC056796

EXPIRATION DATE: AUGUST 31, 2026

Always verify licenses online at MyFloridaLicense.com

ISSUED: 08/12/2024

Do not alter this document in any form.

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Bid Results

Bidder Details

Vendor Name	Anderson Columbia Co Inc
Address	871 NW Guerdon Street Lake City, Florida 32055 United States
Respondee	AMANDA ADAMS
Respondee Title	CONTRACT ADMINISTRATOR
Phone	386-752-7585
Email	AMANDA.ADAMS@ANDERSONCOLUMBIA.COM
Vendor Type	
License #	

Bid Detail

Bid Format	Electronic
Submitted	05/15/2025 8:51 AM (EDT)
Delivery Method	
Bid Responsive	
Bid Status	Submitted
Confirmation #	429043

Respondee Comment

The Tab for Subcontractors was marked (NO). The Tabulation of Subcontractors & Suppliers (Section 00 4335) was uploaded per requirements.

Buyer Comment

Attachments

File Title	File Name	File Type
Executed Forms.pdf	Executed Forms.pdf	Bid Form
EXECUTED BID BOND.pdf	EXECUTED BID BOND.pdf	Copy of Bid Security in the form of a certified check of Bid Bond (Section 00 4315)
TABULATION OF SUBCONTRACTORS.pdf	TABULATION OF SUBCONTRACTORS.pdf	Tabulation of Subcontractors & Suppliers (Section 00 4335)
TRENCH.pdf	TRENCH.pdf	Florida Trench Safety Act Certification (Section 00 44 55)
BIDDERS QUALIFICATION.pdf	BIDDERS QUALIFICATION.pdf	Bidder's Qualification Statement (Section 00 4513)
DRUG FREE.pdf	DRUG FREE.pdf	Drug-Free Workplace Certificate (Section 00 4520)
PUBLIC ENTITY CRIMES.pdf	PUBLIC ENTITY CRIMES.pdf	Public Entity Crimes Statement (Section 00 45 30)
QUALIFICATIONS STATEMENT.pdf	QUALIFICATIONS STATEMENT.pdf	Qualifications Statement (Section 00 4535)
CURRENT CAPACITY.pdf	CURRENT CAPACITY.pdf	LAP Certification of Current Capacity (525-010-46)
CERTIFICATION LOBBYING ACTIVITIES.pdf	CERTIFICATION LOBBYING ACTIVITIES.pdf	LAP Certification for Disclosure of Lobbying Activities (375-030-33)
DISCLOSURE OF LOBBYING.pdf	DISCLOSURE OF LOBBYING.pdf	LAP Disclosure of Lobbying Activities (375-030-34)
NON-COLLUSION DECLARATION.pdf	NON-COLLUSION DECLARATION.pdf	LAP Non-collusion Declaration (575-060-13
CERTIFICATION REGARDING DEBARMENT.pdf	CERTIFICATION REGARDING DEBARMENT.pdf	LAP Certification Regarding Debarment, etc. (373-030-32)
EVIDENCE OF COVERAGE - ACCI 2025.pdf	EVIDENCE OF COVERAGE - ACCI 2025.pdf	Proof of Insurance - Appendix L
CONTRACTOR E-VERIFY.pdf	CONTRACTOR E-VERIFY.pdf	E-verify Affidavits - Appendix N
E-VERIFY VERIFICATION.pdf	E-VERIFY VERIFICATION.pdf	Proof of E-verify
ANTI-HUMAN TRAFFICKING.pdf	ANTI-HUMAN TRAFFICKING.pdf	Anti-Human Trafficking Affidavit - Appendix O
LICENSE.pdf	LICENSE.pdf	Copy of Licenses
2026.pdf	2026.pdf	Proof of FDOT Pre-Qualification - All categories of work for this project
		Other - (Any other documents)
EXECUTED BID BOND.pdf	EXECUTED BID BOND.pdf	Bid Bond

Subcontractors

Showing 3 Subcontractors

Name & Address	Desc	License Num	Amount	Type
Bobs Barricades 921 Shotgun Road Sunrise, Florida 33326	MOT	BTR24-004640-2024	$43,240.00	
TRP Construction Group, LLC 2411 Minnis Dr Fort Worth, Texas 76117	PAINTED PAVEMENT MARKINGS	143073390	$207,357.00	
Total Concrete Repairs 4750 cisco dr jacksonville, Florida 32219	CONCRETE FLAT WORK	CGC1521767	$287,516.75	

Line Items

Discount Terms No Discount

Item #	Item Code	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
Roadway Components							$12,636,122.96		
1	101-1		MOBILIZATION	LS	1	$2,079,860.00	$2,079,860.00	Yes	
2	102-1		MAINTENANCE OF TRAFFIC	LS	1	$470,093.70	$470,093.70	Yes	
3	104-10-3		SEDIMENT BARRIER	LF	72279	$2.67	$192,984.93	Yes	
4	110-1-1		CLEARING & GRUBBING	AC	43	$7,424.65	$319,259.95	Yes	
5	110-3		REMOVAL OF EXISTING STRUCTURES/BRIDGES	SF	2300	$52.87	$121,601.00	Yes	
6	110-7-1		MAILBOX, F&I SINGLE	EA	98	$290.86	$28,504.28	Yes	
7	120-1		REGULAR EXCAVATION	CY	1174	$19.76	$23,198.24	Yes	
8	120-4		SUBSOIL EXCAVATION	CY	2815	$47.09	$132,558.35	Yes	
9	120-6		EMBANKMENT	CY	5715	$40.22	$229,857.30	Yes	
10	160-4		TYPE B STABILIZATION	SY	131672	$1.17	$154,056.24	Yes	
11	285-709		OPTIONAL BASE, BASE GROUP 09	SY	110022	$39.12	$4,304,060.64	Yes	
12	327-70-4		MILLING EXISTING ASPHALT PAVEMENT, 3" AVG DEPTH	SY	96770	$5.35	$517,719.50	Yes	
13	327-70-7		MILLING EXISTING ASPHALT PAVEMENT, 4" AVG DEPTH	SY	8900	$5.26	$46,814.00	Yes	
14	334-1-52		SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG76-22	TN	9376	$183.70	$1,722,371.20	Yes	
15	337-7-81		ASPHALT CONCRETE FRICTION COURSE,TRAFFIC B, FC-12.5, PG 76-22	TN	9162	$183.70	$1,683,059.40	Yes	
16	339-1		MISCELLANEOUS ASPHALT PAVEMENT	TN	62	$541.75	$33,588.50	Yes	
17	520-6		SHOULDER GUTTER- CONCRETE	LF	77	$87.26	$6,719.02	Yes	
18	522-2		CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	87	$98.89	$8,603.43	Yes	
19	536-1-1		GUARDRAIL -ROADWAY, GENERAL TL-3	LF	1219	$46.54	$56,732.26	Yes	
20	536-7-2		SPECIAL GUARDRAIL POST- SPECIAL STEEL POST FOR CONCRETE STRUCTURE MOUNT	EA	26	$523.56	$13,612.56	Yes	
21	536-73		GUARDRAIL REMOVAL	LF	868	$5.82	$5,051.76	Yes	
22	536-85-24		GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL	EA	12	$5,235.59	$62,827.08	Yes	
23	546-72-3		GROUND-IN RUMBLE STRIPS, 8" SINUSOIDAL	GM	22.1	$2,631.00	$58,145.10	Yes	
24	570-1-2		PERFORMANCE TURF, SOD	SY	74548	$3.29	$245,262.92	Yes	
25	N/A		MISC DRIVEWAY TIE-IN MATERIAL	SY	670	$178.48	$119,581.60	Yes	
DRAINAGE COMPONENTS							$1,523,898.03		
26	400-4-1		CONCRETE CLASS IV, CULVERTS	CY	359	$2,360.32	$847,354.88	Yes	
27	415-1-1		REINFORCING STEEL- ROADWAY	LB	65309	$2.15	$140,414.35	Yes	
28	425-1-701		INLETS, GUTTER, TYPE S, <10'	EA	1	$19,197.16	$19,197.16	Yes	
29	425-2-41		MANHOLES, P-7, <10'	EA	1	$17,161.10	$17,161.10	Yes	
30	425-2-71		MANHOLES, J-7, <10'	EA	1	$18,033.70	$18,033.70	Yes	
31	430-94-1		DESILTING PIPE, 0-24"	LF	553	$17.45	$9,649.85	Yes	
32	430-94-2		DESILTING PIPE, 25"-36"	LF	514	$34.90	$17,938.60	Yes	
33	430-94-3		DESILTING PIPE, 37"-48"	LF	120	$58.17	$6,980.40	Yes	
34	430-175-115		PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15"S/CD	LF	27	$250.14	$6,753.78	Yes	
35	430-175-118		PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	31	$300.17	$9,305.27	Yes	
36	430-175-124		PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	128	$315.30	$40,358.40	Yes	
37	430-175-130		PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	38	$402.85	$15,308.30	Yes	
38	430-175-136		PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	58	$439.50	$25,491.00	Yes	
39	430-536-200		STRAIGHT CONCRETE ENDWALLS, 36", DOUBLE, 0 DEGREES, ROUND	EA	2	$20,360.62	$40,721.24	Yes	
40	430-982-123		MITERED END SECTION, OPTIONAL ROUND, 15" CD	EA	2	$3,676.55	$7,353.10	Yes	
41	430-982-125		MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	2	$4,246.64	$8,493.28	Yes	
42	430-982-129		MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	36	$5,142.51	$185,130.36	Yes	
43	430-982-133		MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA	5	$6,719.01	$33,595.05	Yes	
44	530-3-4		RIPRAP, RUBBLE, F&I, DITCH LINING	TN	150	$305.10	$45,765.00	Yes	
45	530-74		BEDDING STONE	TN	107	$270.03	$28,893.21	Yes	
SIGNING AND PAVEMENT MARKING							$376,520.17		
46	700-1-11		SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	21	$581.73	$12,216.33	Yes	
47	700-1-12		SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	4	$2,326.93	$9,307.72	Yes	

Item #	Item Code	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
48	700-1-50		SINGLE POST SIGN, RELOCATE	EA	40	$407.21	$16,288.40	Yes	
49	700-1-60		SINGLE POST SIGN, REMOVE	EA	9	$52.36	$471.24	Yes	
50	700-13-15		RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'	EA	6	$174.52	$1,047.12	Yes	
51	701-17-101		PROFILED THERMOPLASTIC, STANDARD-CONCRETE SURFACES, WHITE, SOLID, 6"	GM	0.12	$69,807.85	$8,376.94	Yes	
52	701-17-201		PROFILED THERMOPLASTIC, STANDARD-CONCRETE SURFACES, YELLOW, SOLID, 6"	GM	0.12	$69,807.85	$8,376.94	Yes	
53	705-10-1		OBJECT MARKER, TYPE 1	EA	3	$349.04	$1,047.12	Yes	
54	705-10-2		OBJECT MARKER, TYPE 2	EA	105	$349.04	$36,649.20	Yes	
55	705-10-3		OBJECT MARKER, TYPE 3	EA	12	$378.12	$4,537.44	Yes	
56	706-1-3		RAISED PAVEMENT MARKER, TYPE B	EA	1789	$6.40	$11,449.60	Yes	
57	711-11-125		THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	155	$15.12	$2,343.60	Yes	
58	711-14-160		THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	1	$2,501.45	$2,501.45	Yes	
59	711-16-101		THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	15	$4,653.86	$69,807.90	Yes	
60	711-16-201		THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	4.8	$4,653.86	$22,338.53	Yes	
61	711-16-231		THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	6.4	$1,628.85	$10,424.64	Yes	
62	710-90		PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1	$159,336.00	$159,336.00	Yes	
BRANDY BRANCH PLACE PAVING							$26,442.17		
63	334-1-12		SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	56	$366.85	$20,543.60	Yes	
64	570-1-2		PERFORMANCE TURF, SOD	SY	2027	$2.91	$5,898.57	Yes	
Bid Alternate A - Drainage Components							$334,516.47		
65	430-175-124		PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"S/CD	LF	673	$315.30	$212,196.90	Yes	
66	430-175-130		PIPE CULVERT, OPTIONAL MATERIAL, ROUND,30"S/CD	LF	183	$402.85	$73,721.55	Yes	
67	430-175-136		PIPE CULVERT, OPTIONAL MATERIAL, ROUND,36"S/CD	LF	80	$439.50	$35,160.00	Yes	
68	430-982-133		MITERED END SECTION,OPTIONAL ROUND,30" CD	EA	2	$6,719.01	$13,438.02	Yes	

Line Item Subtotals

Section Title	Line Total
Roadway Components	**$12,636,122.96**
DRAINAGE COMPONENTS	**$1,523,898.03**
SIGNING AND PAVEMENT MARKING	**$376,520.17**
BRANDY BRANCH PLACE PAVING	**$26,442.17**
Bid Alternate A - Drainage Components	**$334,516.47**
Grand Total	**$14,897,499.80**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

APPENDIX N-1

SUBCONTRACTOR E-VERIFY AFFIDAVIT

I hereby certify that Bob's Barricades, Inc. (Subcontractor Company Name) does not employ, contract with, or subcontract with an unauthorized alien, and is otherwise in full compliance with Section 448.095, Florida Statutes.

All employees hired on or after January 1, 2021 have had their work authorization status verified through the E-Verify system.

A true and correct copy of Bob's Barricades, Inc (Subcontractor Company Name) proof of registration in the E-Verify system is attached to this Affidavit.

Print Name: John Baldwin Vice President

Date: 5/21/2025

STATE OF FLORIDA

COUNTY OF Broward

The foregoing instrument was acknowledged before me by means of ☒physical presence or ☐online notarization, this 21st (Date) by John Baldwin Vice Pres (Name of Officer or Agent, Title of Officer or Agent) of Bob's Barricades, Inc (Name of Contractor Company Acknowledging), a corporation (State or Place of Incorporation) Corporation, on behalf of the Corporation. He/She is personally known to me or has produced known as identification.

Notary Public

Bibiana Agudelo

Printed Name

My Commission Expires: _____

BIBIANA IVONE AGUDELO
MY COMMISSION # HH 348001
EXPIRES: February 11, 2027

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Company ID Number: 75946

Information Required for the E-Verify Program **Information relating to your Company:**	
Company Name	Bobs Barricades, Inc.
Company Facility Address	921 Shotgun Road Sunrise, FL 33326
Company Alternate Address	921 Shotgun Rd Sunrise, FL 33326
County or Parish	BROWARD
Employer Identification Number	591605524
North American Industry Classification Systems Code	238
Parent Company	
Number of Employees	100 to 499
Number of Sites Verified for	13

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Company ID Number: 75946

Are you verifying for more than 1 site? If yes, please provide the number of sites verified for in each State:

ARIZONA	3 site(s)
FLORIDA	10 site(s)

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Company ID Number: 75946

Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:

Name	Gail Jaramillo
Phone Number	(954) 423 - 2627
Fax Number	(954) 423 - 5374
Email Address	gjaramillo@bobsbarricades.com

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

APPENDIX N-1

SUBCONTRACTOR E-VERIFY AFFIDAVIT

I hereby certify that Total Concrete Repairs (Subcontractor Company Name) does not employ, contract with, or subcontract with an unauthorized alien, and is otherwise in full compliance with Section 448.095, Florida Statutes.

All employees hired on or after January 1, 2021 have had their work authorization status verified through the E-Verify system.

A true and correct copy of Total Concrete Repairs (Subcontractor Company Name) proof of registration in the E-Verify system is attached to this Affidavit.

Tami Cope

Print Name: Tami Cope

Date: 5/22/25

STATE OF FLORIDA

COUNTY OF Duval

The foregoing instrument was acknowledged before me by means of □physical presence or □online notarization, this 5/22 (Date) by Tami Cope (Name of Officer or Agent, Title of Officer or Agent) of Total Concrete Repairs (Name of Contractor Company Acknowledging), a Florida (State or Place of Incorporation) Corporation, on behalf of the Corporation. He/She is personally known to me or has produced _____ as identification.

Notary Public

Brittany Hurston

Printed Name

My Commission Expires: _____

BRITTANY HURSTON
MY COMMISSION # HH 132396
EXPIRES: May 22, 2025
Bonded Thru Notary Public Underwriters

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Company ID Number: 1530579

Approved by:

Employer Total Concrete Repairs, Inc	
Name (Please Type or Print) Tami Cope	Title President
Signature Electronically Signed	Date 04/14/2020
Department of Homeland Security – Verification Division	
Name (Please Type or Print) USCIS Verification Division	Title
Signature Electronically Signed	Date 04/14/2020

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

APPENDIX N-1

SUBCONTRACTOR E-VERIFY AFFIDAVIT

I hereby certify that TRP Construction (Subcontractor Company Name) does not employ, contract with, or subcontract with an unauthorized alien, and is otherwise in full compliance with Section 448.095, Florida Statutes.

All employees hired on or after January 1, 2021 have had their work authorization status verified through the E-Verify system.

A true and correct copy of TRP Construction (Subcontractor Company Name) proof of registration in the E-Verify system is attached to this Affidavit.

Print Name: Tom Underwood

Date: 5/21/25

STATE OF FLORIDA

COUNTY OF Orange

The foregoing instrument was acknowledged before me by means of ☒physical presence or ☐online notarization, this 22nd (Date) by Thomas Underwood (Name of Officer or Agent, Title of Officer or Agent) of _____ (Name of Contractor Company Acknowledging), a _____ (State or Place of Incorporation) Corporation, on behalf of the Corporation. He/She is personally known to me or has produced _____ as identification.

Notary Public

Megan Shirreffs

Printed Name

My Commission Expires: 03/09/2029

Notary Public State of Florida
Megan L Shirreffs
My Commission HH 649437
Expires 3/9/2029

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An official website of the United States government Here's how you know

E-Verify

Menu

Welcome back, Patricia!

Here is what is happening in TRP Construction Group's account today

0

Cases to be Closed

View Cases to be Closed

0

Cases with Updates

View Updated Cases

1

Cases with Expiring Authorization Docs

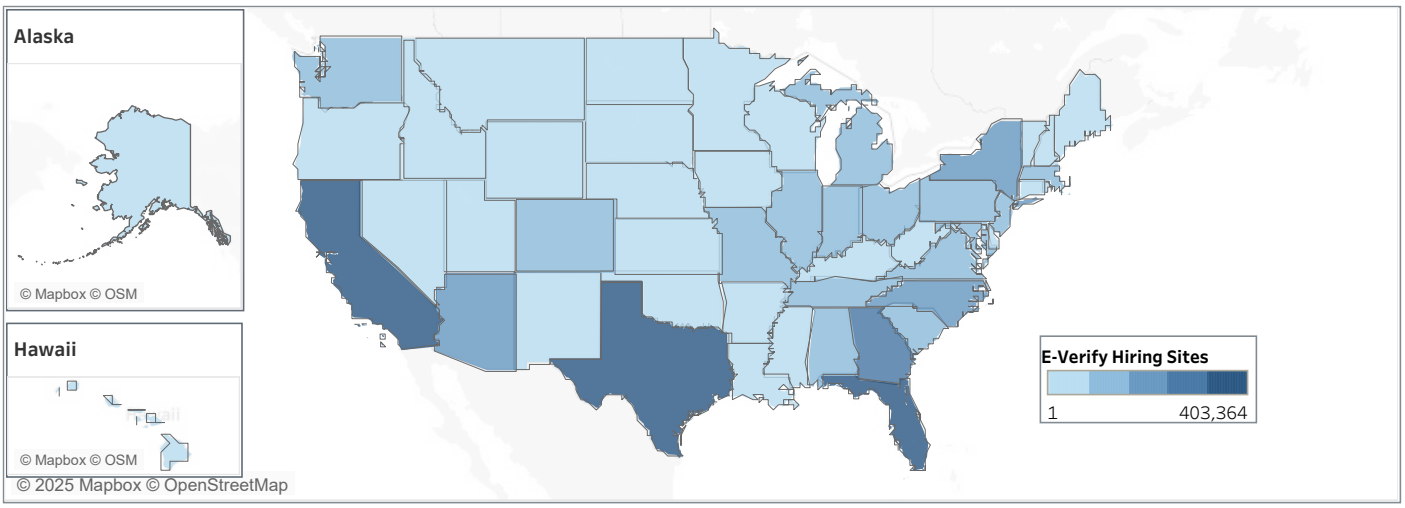
View Expiring Doc Cases

39

Recently Auto-Closed Cases

View Auto-Closed Cases

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Map based on search tool's full data set. Data refreshes every day at midnight. Color shows Total Hiring Sites by State. Map will act as a filter to the table.

Search Filters

[Table Only filter - Table data shows records by **Last Updated Date** in descending order and default filtered to show employers enrolled **this year**]

Business Name [Input Employer's legal name or DBA name]
Contains "TRP Construction Group"

Industry Type
All

Account Status
- [x] Open
- [x] Terminated

Opted into E-Verify+
- [x] No
- [x] Yes

State/Territory
All

Date Enrolled [Select last 30 years for all data]
01/01/2025 to 12/31/2025

Total Records Filtered: 1

E-Verify Participating Employer List

Last Updated Date	Employer	Doing Business As	Account Status	Opted into E-Verify+	Date Enrolled	Date Terminated	Workforce Size	Hiring Site Locations	
5/16/2025	TRP Construction Group, LLC		Open	No	2/19/2025		500 to 999	FL,GA,NC..	9

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APPENDIX O

COMPLIANCE WITH ANTI-HUMAN TRAFFICKING LAWS AFFIDAVIT
Section 787.06, Florida Statutes
Contract, contract renewals and contract extensions

Before me the undersigned authority, personally appeared E. Tony Williams Jr., whom after being duly sworn, deposes and states:
Affiant

1. My name is E. Tony Williams Jr. and I am over the age of 18 years of age and I have personal knowledge of the matters set forth herein.
2. I am a corporate officer or other authorized person with Anderson Columbia Co., Inc., a non-governmental entity. I assert and acknowledge that I have legal authorization to contractually bind the non-governmental entity.
3. The non-governmental entity does not use coercion for labor or services, as defined in Section 787.06, Florida Statutes.
4. This declaration is made pursuant to Section 92.525, Florida Statutes. I understand that making a false statement in this declaration may subject me to criminal penalties.

Under penalties of perjury, I declare that I have read the foregoing Anti-Human Trafficking Laws Affidavit and that the facts stated in it are true.

Further Affiant Sayeth Naught.

Signature: _____
E. Tony Williams Jr., Vice President

Firm Name: Anderson Columbia Co., Inc.

Title: Vice President

Date: MAY 15TH 2025

Acknowledgment

The foregoing Affidavit was acknowledged before me by means of [X] physical presence or [ ] online notarization this 15TH day of MAY, 20 25, by E. Tony Williams Jr. who is personally known to me or who has produced _____ as identification.

[Notary Seal] Signature: _____
Amanda Adams

AMANDA ADAMS
Notary Public - State of Florida
Commission # HH 273353
My Comm. Expires Jun 7, 2026
Bonded through National Notary Assn.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

CONTRACTING WITH FOREIGN ENTITIES OF CONCERN
COMPLIANCE AFFIDAVIT
Section 287.138, Florida Statutes
Contract, contract renewals and contract extensions

Before me the undersigned authority, personally appeared E. Tony Williams Jr., Vice President, whom after being duly sworn, deposes and states:
Affiant

1. I am over the age of 18 years of age and I have personal knowledge of the matters set forth herein.
2. I am a corporate officer or other authorized person with Anderson Columbia Co., Inc., a non-governmental entity hereinafter "Vendor". I assert and acknowledge that I have legal authorization to contractually bind the non-governmental entity.
3. I hereby certify that pursuant to Section 287.138, Florida Statues:
   a. Vendor is not owned by a government of a foreign country of concern;
   b. a government of a foreign country of concern does not have a "controlling interest" in Vendor, as defined by Section 287.138(1)(a), Florida Statutes; and
   c. Vendor is not organized under the law of nor has its principal place of business in a foreign country of concern.
   d. For the purposes of this affidavit, foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolás Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.
4. This Affidavit is executed in accordance with Section 287.138, Florida Statutes, for the purposes of preventing the County from entering contracts with foreign entities of concern which would provide Vendor access to an individual's personal identifying information.

Signature: _____
E. Tony Williams Jr.
Firm Name: Anderson Columbia Co., Inc.

Title: Vice President

Date: 6/6/2025

Acknowledgment

STATE OF Florida
COUNTY OF Columbia

The foregoing Affidavit was acknowledged before me by means of [X] physical presence or [ ] online notarization this 6TH day of JUNE, 2025, by E. TONY WILLIAMS JR. who is personally known to me or who has produced _____ as identification.

[Notary Seal] Signature: _____
Amanda Adams

AMANDA ADAMS
Notary Public - State of Florida
Commission # HH 273353
My Comm. Expires Jun 7, 2026
Bonded through National Notary Assn.

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APPENDIX A

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
STATE-FUNDED GRANT AGREEMENT

525-010-60
PROGRAM MANAGEMENT
05/21

FPN: 449196-1-54-01	Fund: EM22	FLAIR Category: 088862
	Org Code: 55024010206	FLAIR Obj: 751000
FPN:	Fund:	FLAIR Category:
	Org Code:	FLAIR Obj:
FPN:	Fund:	FLAIR Category:
	Org Code:	FLAIR Obj:
County No: 74 - Nassau	Contract No: G2902	Vendor No: F591863042053

THIS STATE-FUNDED GRANT AGREEMENT ("Agreement") is entered into on 5/26/2022 | 5:12 PM EDT
(This date to be entered by DOT only),
by and between the State of Florida Department of Transportation, ("Department"), and Nassau County, ("Recipient"). The Department and the Recipient are sometimes referred to in this Agreement as a "Party" and collectively as the "Parties".

NOW, THEREFORE, in consideration of the mutual benefits to be derived from joint participation on the Project, the Parties agree to the following:

1. **Authority:** The Department is authorized to enter into this Agreement pursuant to Sections 334.044, 334.044(7), and (*select the applicable statutory authority for the program(s) below):*
   - ☐ Section 339.2817 Florida Statutes, County Incentive Grant Program (CIGP), (CSFA 55.008)
   - ☐ Section 339.2818 Florida Statutes, Small County Outreach Program (SCOP), (CSFA 55.009)
   - ☐ Section 339.2816 Florida Statutes, Small County Road Assistance Program (SCRAP), (CSFA 55.016)
   - ☐ Section 339.2819 Florida Statutes, Transportation Regional Incentive Program (TRIP), (CSFA 55.026)
   - ☒ GAA, EM22 , Local Transportation Projects, SB 2500, Line 1915A , CSFA #55.039

   The Recipient by Resolution or other form of official authorization, a copy of which is attached as **Exhibit "D"**, **Recipient Resolution**, and made a part of this Agreement, has authorized its officers to execute this Agreement on its behalf.

2. **Purpose of Agreement:** The purpose of this Agreement is to provide for the Department's participation in Repairs including resurfacing of a segment of CR 121 from the Duval County Line to CR 119, as further described in **Exhibit "A", Project Description and Responsibilities**, attached to and incorporated into this Agreement ("Project"); to provide Department financial assistance to the Recipient; state the terms and conditions upon which Department funds will be provided; and to set forth the manner in which the Project will be undertaken and completed.

3. **Term of the Agreement, Commencement and Completion of the Project:** This Agreement shall commence upon full execution by both Parties and the Recipient shall complete the Project on or before 12/31/2025. If the Recipient does not complete the Project within this time period, this Agreement will expire on the last day of the scheduled completion as provided in this paragraph unless an extension of the time period is requested by the Recipient and granted in writing by the Department prior to the expiration of this Agreement. Expiration of this Agreement will be considered termination of the Project. The Recipient acknowledges that no funding for the Project will be provided by the State under this Agreement for work on the Project that is not timely completed and invoiced in accordance with the terms of this Agreement, or for work performed prior to full execution of the Agreement. Notwithstanding the expiration of the required completion date provided in this Agreement and the consequent potential unavailability of any unexpended portion of State funding to be provided under this Agreement, the Recipient shall remain obligated to complete all aspects of the Project identified in **Exhibit "A"** in accordance with the remaining terms of this Agreement, unless otherwise agreed by the Parties, in writing.

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Execution of this Agreement by both Parties shall be deemed a Notice to Proceed to the Recipient for the design phase or other non-construction phases of the Project. If the Project involves a construction phase, the Recipient shall not begin the construction phase of the Project until the Department issues a written Notice to Proceed for the construction phase. Prior to commencing the construction work described in this Agreement, the Recipient shall request a Notice to Proceed from the Department.

4. **Amendments, Extensions and Assignment:** This Agreement may be amended or extended upon mutual written agreement of the Parties. This Agreement shall not be assigned, transferred or otherwise encumbered by the Recipient under any circumstances without the prior written consent of the Department.

5. **Termination or Suspension of Project:** The Department may, by written notice to the Recipient, suspend any or all of the Department's obligations under this Agreement for the Recipient's failure to comply with applicable laws or the terms of this Agreement until such time as the event or condition resulting in such suspension has ceased or been corrected. The Department may also terminate this Agreement in whole or in part at any time the interest of the Department requires such termination.

    a. If the Department terminates the Agreement, the Department shall notify the Recipient of such termination in writing within thirty (30) days of the Department's determination to terminate the Agreement, with instructions as to the effective date of termination or to specify the stage of work at which the Agreement is to be terminated.

    b. The Parties to this Agreement may also terminate this Agreement when its continuation would not produce beneficial results commensurate with the further expenditure of funds. In this event, the Parties shall agree upon the termination conditions through mutual written agreement.

    c. If the Agreement is terminated before performance is completed, the Recipient shall be paid only for that work satisfactorily performed for which costs can be substantiated. Such payment, however, may not exceed an amount which is the same percentage of the contract price as the amount of work satisfactorily completed is a percentage of the total work called for by this Agreement. All work in progress on the Department right-of-way will become the property of the Department and will be turned over promptly by the Recipient.

    d. Upon termination of this Agreement, the Recipient shall, within thirty (30) days, refund to the Department any funds determined by the Department to have been expended in violation of this Agreement.

6. **Project Cost:**

    a. The estimated cost of the Project is $9,000,000. This amount is based upon the Schedule of Financial Assistance in **Exhibit "B", Schedule of Financial Assistance**, attached and incorporated in this Agreement. The Schedule of Financial Assistance may be modified by execution of an amendment of the Agreement by the Parties.

    b. The Department agrees to participate in the Project cost up to the maximum amount of $9,000,000 and, additionally the Department's participation in the Project shall not exceed 100% of the total cost of the Project, and as more fully described in **Exhibit "B"**. The Department's participation may be increased or reduced upon a determination of the actual bid amounts of the Project by the execution of an amendment. The Recipient agrees to bear all expenses in excess of the amount of the Department's participation and any cost overruns or deficits incurred in connection with completion of the Project.

    c. The Department's participation in eligible Project costs is subject to, but not limited to:

        i. Legislative approval of the Department's appropriation request in the work program year that the Project is scheduled to be committed;

        ii. Approval of all plans, specifications, contracts or other obligating documents and all other terms of this Agreement; and

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iii. Department approval of the Project scope and budget at the time appropriation authority becomes available.

7. Compensation and Payment:

a. The Department shall reimburse the Recipient for costs incurred to perform services described in the Project Description and Responsibilities in **Exhibit "A"**, and as set forth in the Schedule of Financial Assistance in **Exhibit "B"**.

b. The Recipient shall provide quantifiable, measurable, and verifiable units of deliverables. Each deliverable must specify the required minimum level of service to be performed and the criteria for evaluating successful completion. The Project and the quantifiable, measurable, and verifiable units of deliverables are described more fully in **Exhibit "A"**, Project Description and Responsibilities. Any changes to the deliverables shall require an amendment executed by both parties.

c. Invoices shall be submitted no more often than monthly and no less than quarterly by the Recipient in detail sufficient for a proper pre-audit and post-audit, based on the quantifiable, measurable and verifiable deliverables as established in **Exhibit "A"**. Deliverables and costs incurred must be received and approved by the Department prior to reimbursements. Requests for reimbursement by the Recipient shall include an invoice, progress report and supporting documentation for the period of services being billed that are acceptable to the Department. The Recipient shall use the format for the invoice and progress report that is approved by the Department.

d. Supporting documentation must establish that the deliverables were received and accepted in writing by the Recipient and must also establish that the required minimum standards or level of service to be performed based on the criteria for evaluating successful completion as specified in **Exhibit "A"** has been met. All costs invoiced shall be supported by properly executed payrolls, time records, invoices, contracts or vouchers evidencing in proper detail the nature and propriety of charges as described in **Exhibit "F", Contract Payment Requirements**.

e. Travel expenses are not compensable under this Agreement.

f. Payment shall be made only after receipt and approval of deliverables and costs incurred unless advance payments are authorized by the Chief Financial Officer of the State of Florida under Chapters 215 and 216, Florida Statutes or the Department's Comptroller under Section 334.044(29), Florida Statutes.

If the Department determines that the performance of the Recipient is unsatisfactory, the Department shall notify the Recipient of the deficiency to be corrected, which correction shall be made within a time-frame to be specified by the Department. The Recipient shall, within thirty (30) days after notice from the Department, provide the Department with a corrective action plan describing how the Recipient will address all issues of contract non-performance, unacceptable performance, failure to meet the minimum performance levels, deliverable deficiencies, or contract non-compliance. If the corrective action plan is unacceptable to the Department, the Recipient will not be reimbursed to the extent of the non-performance. The Recipient will not be reimbursed until the Recipient resolves the deficiency. If the deficiency is subsequently resolved, the Recipient may bill the Department for the unpaid reimbursement request(s) during the next billing period. If the Recipient is unable to resolve the deficiency, the funds shall be forfeited at the end of the Agreement's term.

Recipients receiving financial assistance from the Department should be aware of the following time frames. Inspection and approval of deliverables and costs incurred shall take no longer than 20 days from the Department's receipt of the invoice. The Department has 20 days to deliver a request for payment (voucher) to the Department of Financial Services. The 20 days are measured from the latter of the date the invoice is received or the deliverables and costs incurred are received, inspected, and approved.

If a payment is not available within 40 days, a separate interest penalty at a rate as established pursuant to Section 55.03(1), Florida Statutes, will be due and payable, in addition to the invoice amount, to the Recipient. Interest penalties of less than one (1) dollar will not be enforced unless the Recipient requests

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payment. Invoices that have to be returned to a Recipient because of Recipient preparation errors will result in a delay in the payment. The invoice payment requirements do not start until a properly completed invoice is provided to the Department.

A Vendor Ombudsman has been established within the Department of Financial Services. The duties of this individual include acting as an advocate for Recipient who may be experiencing problems in obtaining timely payment(s) from a state agency. The Vendor Ombudsman may be contacted at (850) 413-5516.

g. The Recipient shall maintain an accounting system or separate accounts to ensure funds and projects are tracked separately. Records of costs incurred under the terms of this Agreement shall be maintained and made available upon request to the Department at all times during the period of this Agreement and for five years after final payment is made. Copies of these documents and records shall be furnished to the Department upon request. Records of costs incurred include the Recipient's general accounting records and the project records, together with supporting documents and records, of the contractor and all subcontractors performing work on the project, and all other records of the contractor and subcontractors considered necessary by the Department for a proper audit of costs.

h. **Progress Reports.** Upon request, the Recipient agrees to provide progress reports to the Department in the standard format used by the Department and at intervals established by the Department. The Department will be entitled at all times to be advised, at its request, as to the status of the Project and of details thereof.

i. If, after Project completion, any claim is made by the Department resulting from an audit or for work or services performed pursuant to this Agreement, the Department may offset such amount from payments due for work or services done under any agreement which it has with the Recipient owing such amount if, upon demand, payment of the amount is not made within 60 days to the Department. Offsetting any amount pursuant to this paragraph shall not be considered a breach of contract by the Department.

j. The Recipient must submit the final invoice on the Project to the Department within 120 days after the completion of the Project. Invoices submitted after the 120-day time period may not be paid.

k. The Department's performance and obligation to pay under this Agreement is contingent upon an annual appropriation by the Legislature. If the Department's financial assistance for this Project is in multiple fiscal years, a notice of availability of funds from the Department's project manager must be received prior to costs being incurred by the Recipient. See **Exhibit "B"** for funding levels by fiscal year. Project costs utilizing any fiscal year funds are not eligible for reimbursement if incurred prior to funds approval being received. The Department will notify the Recipient, in writing, when funds are available.

l. In the event this Agreement is in excess of $25,000 and has a term for a period of more than one year, the provisions of Section 339.135(6)(a), Florida Statutes, are hereby incorporated:

> "The Department, during any fiscal year, shall not expend money, incur any liability, or enter into any contract which, by its terms, involves the expenditure of money in excess of the amounts budgeted as available for expenditure during such fiscal year. Any contract, verbal or written, made in violation of this subsection is null and void, and no money may be paid on such contract. The Department shall require a statement from the comptroller of the Department that funds are available prior to entering into any such contract or other binding commitment of funds. Nothing herein contained shall prevent the making of contracts for periods exceeding 1 year, but any contract so made shall be executory only for the value of the services to be rendered or agreed to be paid for in succeeding fiscal years, and this paragraph shall be incorporated verbatim in all contracts of the Department which are for an amount in excess of $25,000 and which have a term for a period of more than 1 year."

m. Any Project funds made available by the Department pursuant to this Agreement which are determined by the Department to have been expended by the Recipient in violation of this Agreement or any other applicable law or regulation, shall be promptly refunded in full to the Department. Acceptance by the Department of any documentation or certifications, mandatory or otherwise permitted, that the Recipient

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files shall not constitute a waiver of the Department's rights as the funding agency to verify all information at a later date by audit or investigation.

n. In determining the amount of the payment, the Department will exclude all Project costs incurred by the Recipient prior to the execution of this Agreement, costs incurred prior to issuance of a Notice to Proceed, costs incurred after the expiration of the Agreement, costs which are not provided for in the latest approved Schedule of Financial Assistance in **Exhibit "B"** for the Project, costs agreed to be borne by the Recipient or its contractors and subcontractors for not meeting the Project commencement and final invoice time lines, and costs attributable to goods or services received under a contract or other arrangements which have not been approved in writing by the Department.

8. General Requirements:

The Recipient shall complete the Project with all practical dispatch in a sound, economical, and efficient manner, and in accordance with the provisions in this Agreement and all applicable laws.

a. The Recipient must obtain written approval from the Department prior to performing itself (through the efforts of its own employees) any aspect of the Project that will be funded under this Agreement.

☐ If this box is checked, then the Agency is permitted to utilize its own forces and the following provision applies: **Use of Agency Workforce.** In the event the Agency proceeds with any phase of the Project utilizing its own forces, the Agency will only be reimbursed for direct costs (this excludes general overhead).

b. The Recipient shall provide to the Department certification and a copy of appropriate documentation substantiating that all required right-of-way necessary for the Project has been obtained. Certification is required prior to authorization for advertisement for or solicitation of bids for construction of the Project, including if no right-of-way is required.

c. The Recipient shall comply and require its contractors and subcontractors to comply with all terms and conditions of this Agreement and all federal, state, and local laws and regulations applicable to this Project.

d. The Recipient shall have the sole responsibility for resolving claims and requests for additional work for the Project by the Recipient's contractors and consultants. No funds will be provided for payment of claims or additional work on the Project under this Agreement without the prior written approval of the claim or request for additional work by Department.

9. Contracts of the Recipient

a. The Department has the right to review and approve any and all third party contracts with respect to the Project before the Recipient executes any contract or obligates itself in any manner requiring the disbursement of Department funds under this Agreement, including consultant or construction contracts or amendments thereto. If the Department exercises this right and the Recipient fails to obtain such approval, the Department may deny payment to the Recipient. The Department may review the qualifications of any consultant or contractor and to approve or disapprove the employment of such consultant or contractor.

b. It is understood and agreed by the parties hereto that participation by the Department in a project that involves the purchase of commodities or contractual services or the purchasing of capital equipment or the equipping of facilities, where purchases or costs exceed the Threshold Amount for CATEGORY TWO per Chapter 287.017 Florida Statutes, is contingent on the Recipient complying in full with the provisions of Chapter 287.057 Florida Statutes The Recipient shall certify to the Department that the purchase of commodities or contractual services has been accomplished in compliance with Chapter 287.057 Florida Statutes It shall be the sole responsibility of the Recipient to ensure that any obligations made in accordance with this Section comply with the current threshold limits. Contracts, purchase orders, task orders, construction change orders, or any other agreement that would result in exceeding the current budget contained in **Exhibit "B"**, or that are not consistent with the Project description and scope of services contained in **Exhibit "A"** must be approved by the Department prior to Recipient execution. Failure to

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obtain such approval, and subsequent execution of an amendment to the Agreement if required, shall be sufficient cause for nonpayment by the Department.

c. Participation by the Department in a project that involves a consultant contract for engineering, architecture or surveying services, is contingent on the Recipient's complying in full with provisions of Section 287.055, Florida Statutes, Consultants' Competitive Negotiation Act. In all cases, the Recipient shall certify to the Department that selection has been accomplished in compliance with the Consultants' Competitive Negotiation Act.

d. If the Project is procured pursuant to Chapter 255 for construction services and at the time of the competitive solicitation for the Project 50 percent or more of the cost of the Project is to be paid from state-appropriated funds, then the Recipient must comply with the requirements of Section 255.0991, Florida Statutes.

10. **Design and Construction Standards and Required Approvals:** In the event the Project includes construction the following provisions are incorporated into this Agreement:

a. The Recipient is responsible for obtaining all permits necessary for the Project.

b. In the event the Project involves construction on the Department's right-of-way, the Recipient shall provide the Department with written notification of either its intent to:

i. Award the construction of the Project to a Department prequalified contractor which is the lowest and best bidder in accordance with applicable state and federal statutes, rules, and regulations. The Recipient shall then submit a copy of the bid tally sheet(s) and awarded bid contract, or

ii. Construct the Project utilizing existing Recipient employees, if the Recipient can complete said Project within the time frame set forth in this Agreement. The Recipient's use of this option is subject to approval by the Department.

c. The Recipient shall hire a qualified contractor using the Recipient's normal bid procedures to perform the construction work for the Project. For projects that are not located on the Department's right-of-way, the Recipient is not required to hire a contractor prequalified by the Department unless the Department notifies the Recipient prior to letting that they are required to hire a contractor prequalified by the Department.

d. The Recipient is responsible for provision of Construction Engineering Inspection (CEI) services. The Department reserves the right to require the Recipient to hire a Department pre-qualified consultant firm that includes one individual that has completed the Advanced Maintenance of Traffic Level Training. Notwithstanding any provision of law to the contrary, design services and CEI services may not be performed by the same entity. Administration of the CEI staff shall be under the responsible charge of a State of Florida Licensed Professional Engineer who shall provide the certification that all design and construction for the Project meets the minimum construction standards established by Department. The Department shall have the right to approve the CEI firm. The Department shall have the right, but not the obligation, to perform independent assurance testing during the course of construction of the Project. Subject to the approval of the Department, the Recipient may choose to satisfy the requirements set forth in this paragraph by either hiring a Department prequalified consultant firm or utilizing Recipient staff that meet the requirements of this paragraph, or a combination thereof.

e. The Recipient is responsible for the preparation of all design plans for the Project. The Department reserves the right to require the Recipient to hire a Department pre-qualified consultant for the design phase of the Project using the Recipient's normal procurement procedures to perform the design services for the Project. Notwithstanding any provision of law to the contrary, design services and CEI services may not be performed by the same entity. All design work on the Project shall be performed in accordance with the requirements of all applicable laws and governmental rules and regulations and federal and state accepted design standards for the type of construction contemplated by the Project, including, as applicable, but not limited to, the applicable provisions of the Manual of Uniform Traffic Control Devices (MUTCD) and the AASHTO Policy on Geometric Design of Streets and Highways. If any portion of the Project will be located on, under, or over any Department-owned right-of-way, the Department shall review the Project's design

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plans for compliance with all applicable standards of the Department, as provided in **Exhibit "O", Terms and Conditions of Construction**, which is attached to and incorporated into this Agreement.

f. The Recipient shall adhere to the Department's Conflict of Interest Procedure (FDOT Topic No. 375-030-006).

g. The Recipient will provide copies of the final design plans and specifications and final bid documents to the Department's Construction Project Manager prior to commencing construction of the Project. The Department will specify the number of copies required and the required format.

h. The Recipient shall require the Recipient's contractor to post a payment and performance bond in accordance with applicable law.

i. The Recipient shall be responsible to ensure that the construction work under this Agreement is performed in accordance with the approved construction documents, and that it will meet all applicable Recipient and Department standards.

j. Upon completion of the work authorized by this Agreement, the Recipient shall notify the Department in writing of the completion of construction of the Project; and for all design work that originally required certification by a Professional Engineer, this notification shall contain an Engineers Certification of Compliance, signed and sealed by a Professional Engineer, the form of which is attached hereto and incorporated herein as **Exhibit "C", Engineers Certification of Completion**. The certification shall state that work has been completed in compliance with the Project construction plans and specifications. If any deviations are found from the approved plans, the certification shall include a list of all deviations along with an explanation that justifies the reason to accept each deviation.

k. The Recipient shall provide the Department with as-built plans of any portions of the Project funded through the Agreement prior to final inspection.

11. **Maintenance Obligations:** In the event the Project includes construction then the following provisions are incorporated into this Agreement:

a. The Recipient agrees to maintain any portion of the Project not located on the State Highway System constructed under this Agreement for its useful life. If the Recipient constructs any improvement on Department right-of-way, the Recipient

☐ shall

☒ shall not

maintain the improvements located on the Department right-of-way made for their useful life. If the Recipient is required to maintain Project improvements located on the Department right-of-way beyond final acceptance, then Recipient shall, prior to any disbursement of the State funding provided under this Agreement, also execute a Maintenance Memorandum of Agreement in a form that is acceptable to the Department. The Recipient has agreed to the foregoing by resolution, and such resolution is attached and incorporated into this Agreement as **Exhibit "D"**. This provision will survive termination of this Agreement.

12. **State Single Audit:** The administration of resources awarded through the Department to the Recipient by this Agreement may be subject to audits and/or monitoring by the Department. The following requirements do not limit the authority of the Department to conduct or arrange for the conduct of additional audits or evaluations of state financial assistance or limit the authority of any state agency inspector general, the Auditor General, or any other state official. The Recipient shall comply with all audit and audit reporting requirements as specified below.

a. In addition to reviews of audits conducted in accordance with Section 215.97, Florida Statutes, monitoring procedures to monitor the Recipient's use of state financial assistance may include but not be limited to on-site visits by Department staff and/or other procedures including, reviewing any required performance and financial reports, following up, ensuring corrective action, and issuing management decisions on weaknesses found through audits when those findings pertain to state financial assistance awarded through the Department by this Agreement. By entering into this Agreement, the Recipient agrees to comply and

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cooperate fully with any monitoring procedures/processes deemed appropriate by the Department. The Recipient further agrees to comply and cooperate with any inspections, reviews, investigations, or audits deemed necessary by the Department, the Department of Financial Services (DFS) or the Auditor General.

b. The Recipient, a nonstate entity as defined by Section 215.97(2)(n), Florida Statutes, as a recipient of state financial assistance awarded by the Department through this Agreement is subject to the following requirements:

i. In the event the Recipient meets the audit threshold requirements established by Section 215.97, Florida Statutes, the Recipient must have a State single or project-specific audit conducted for such fiscal year in accordance with Section 215.97, Florida Statutes; applicable rules of the Department of Financial Services; and Chapters 10.550 (local governmental entities) or 10.650 (nonprofit and for-profit organizations), Rules of the Auditor General. **Exhibit "J", State Financial Assistance (Florida Single Audit Act)** to this Agreement indicates state financial assistance awarded through the Department by this Agreement needed by the Recipient to further comply with the requirements of Section 215.97, Florida Statutes. In determining the state financial assistance expended in a fiscal year, the Recipient shall consider all sources of state financial assistance, including state financial assistance received from the Department by this Agreement, other state agencies and other nonstate entities. State financial assistance does not include Federal direct or pass-through awards and resources received by a nonstate entity for Federal program matching requirements.

ii. In connection with the audit requirements, the Recipient shall ensure that the audit complies with the requirements of Section 215.97(8), Florida Statutes. This includes submission of a financial reporting package as defined by Section 215.97(2)(e), Florida Statutes, and Chapters 10.550 (local governmental entities) or 10.650 (nonprofit and for-profit organizations), Rules of the Auditor General.

iii. In the event the Recipient does not meet the audit threshold requirements established by Section 215.97, Florida Statutes, the Recipient is exempt for such fiscal year from the state single audit requirements of Section 215.97, Florida Statutes. However, the Recipient must provide a single audit exemption statement to the Department at FDOTSingleAudit@dot.state.fl.us no later than nine months after the end of the Recipient's audit period for each applicable audit year. In the event the Recipient does not meet the audit threshold requirements established by Section 215.97, Florida Statutes, in a fiscal year and elects to have an audit conducted in accordance with the provisions of Section 215.97, Florida Statutes, the cost of the audit must be paid from the Recipient's resources (i.e., the cost of such an audit must be paid from the Recipient's resources obtained from other than State entities).

iv. In accordance with Chapters 10.550 (local governmental entities) or 10.650 (nonprofit and for-profit organizations), Rules of the Auditor General, copies of financial reporting packages required by this Agreement shall be submitted to:

Florida Department of Transportation
Office of Comptroller, MS 24
605 Suwannee Street
Tallahassee, FL 32399-0405
Email: FDOTSingleAudit@dot.state.fl.us

And

State of Florida Auditor General
Local Government Audits/342
111 West Madison Street, Room 401
Tallahassee, FL 32399-1450
Email: flaudgen_localgovt@aud.state.fl.us

v. Any copies of financial reporting packages, reports or other information required to be submitted to the Department shall be submitted timely in accordance with Section 215.97, Florida Statutes, and

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Chapters 10.550 (local governmental entities) or 10.650 (nonprofit and for-profit organizations), Rules of the Auditor General, as applicable.

vi. The Recipient, when submitting financial reporting packages to the Department for audits done in accordance with Chapters 10.550 (local governmental entities) or 10.650 (nonprofit and for-profit organizations), Rules of the Auditor General, should indicate the date the reporting package was delivered to the Recipient in correspondence accompanying the reporting package.

vii. Upon receipt, and within six months, the Department will review the Recipient's financial reporting package, including corrective action plans and management letters, to the extent necessary to determine whether timely and appropriate corrective action on all deficiencies has been taken pertaining to the state financial assistance provided through the Department by this Agreement. If the Recipient fails to have an audit conducted consistent with Section 215.97, Florida Statutes, the Department may take appropriate corrective action to enforce compliance.

viii. As a condition of receiving state financial assistance, the Recipient shall permit the Department, or its designee, DFS or the Auditor General access to the Recipient's records including financial statements, the independent auditor's working papers and project records as necessary. Records related to unresolved audit findings, appeals or litigation shall be retained until the action is complete or the dispute is resolved.

c. The Recipient shall retain sufficient records demonstrating its compliance with the terms of this Agreement for a period of five years from the date the audit report is issued and shall allow the Department, or its designee, DFS or the Auditor General access to such records upon request. The Recipient shall ensure that the audit working papers are made available to the Department, or its designee, DFS or the Auditor General upon request for a period of five years from the date the audit report is issued unless extended in writing by the Department.

13. Restrictions, Prohibitions, Controls and Labor Provisions:

a. A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity; may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, Florida Statutes, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

b. In accordance with Section 287.134, Florida Statutes, an entity or affiliate who has been placed on the Discriminatory Vendor List, kept by the Florida Department of Management Services, may not submit a bid on a contract to provide goods or services to a public entity; may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor or consultant under a contract with any public entity; and may not transact business with any public entity.

c. An entity or affiliate who has had its Certificate of Qualification suspended, revoked, denied or have further been determined by the Department to be a non-responsible contractor may not submit a bid or perform work for the construction or repair of a public building or public work on a contract with the Recipient.

d. No funds received pursuant to this Agreement may be expended for lobbying the Florida Legislature, judicial branch, or any state agency, in accordance with Section 216.347, Florida Statutes.

e. The Department shall consider the employment by any contractor of unauthorized aliens a violation of Section 274A(e) of the Immigration and Nationality Act. If the contractor knowingly employs unauthorized aliens, such violation will be cause for unilateral cancellation of this Agreement.

f. The Recipient shall:

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i. Utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Recipient during the term of the contract; and

ii. Expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

g. The Recipient shall comply and require its contractors and subcontractors to comply with all terms and conditions of this Agreement and all federal, state, and local laws and regulations applicable to this Project.

14. Indemnification and Insurance:

a. It is specifically agreed between the parties executing this Agreement that it is not intended by any of the provisions of any part of this Agreement to create in the public or any member thereof, a third-party beneficiary under this Agreement, or to authorize anyone not a party to this Agreement to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of this Agreement. The Recipient guarantees the payment of all just claims for materials, supplies, tools, or labor and other just claims against the Recipient or any subcontractor, in connection with this Agreement.

b. To the extent provided by law, Recipient shall indemnify, defend, and hold harmless the Department against any actions, claims, or damages arising out of, relating to, or resulting from negligent or wrongful act(s) of Recipient, or any of its officers, agents, or employees, acting within the scope of their office or employment, in connection with the rights granted to or exercised by Recipient hereunder, to the extent and within the limitations of Section 768.28, Florida Statutes. The foregoing indemnification shall not constitute a waiver of the Department's or the Recipient's sovereign immunity beyond the limits set forth in Florida Statutes, Section 768.28, nor shall the same be construed to constitute agreement by Recipient to indemnify the Department for the negligent acts or omissions of the Department, its officers, agents, or employees, or for the acts of third parties. Nothing herein shall be construed as consent by Recipient to be sued by third parties in any manner arising out of this Agreement. This indemnification shall survive the termination of this Agreement.

c. Recipient agrees to include the following indemnification in all contracts with contractors, subcontractors, consultants, or subconsultants (each referred to as "Entity" for the purposes of the below indemnification) who perform work in connection with this Agreement:

"To the extent provided by law, [ENTITY] shall indemnify, defend, and hold harmless the [RECIPIENT] and the State of Florida, Department of Transportation, including the Department's officers, agents, and employees, against any actions, claims, or damages arising out of, relating to, or resulting from negligent or wrongful act(s) of [ENTITY], or any of its officers, agents, or employees, acting within the scope of their office or employment, in connection with the rights granted to or exercised by [ENTITY].

The foregoing indemnification shall not constitute a waiver of the Department's or [RECIPIENT']'s sovereign immunity beyond the limits set forth in Florida Statutes, Section 768.28. Nor shall the same be construed to constitute agreement by [ENTITY] to indemnify [RECIPIENT] for the negligent acts or omissions of [RECIPIENT], its officers, agents, or employees, or third parties. Nor shall the same be construed to constitute agreement by [ENTITY] to indemnify the Department for the negligent acts or omissions of the Department, its officers, agents, or employees, or third parties. This indemnification shall survive the termination of this Agreement."

d. The Recipient shall provide Workers' Compensation Insurance in accordance with Florida's Workers' Compensation law for all employees. If subletting any of the work, ensure that the subcontractor(s) and subconsultants have Workers' Compensation Insurance for their employees in accordance with Florida's Workers' Compensation law. If using "leased employees" or employees obtained through professional employer organizations ("PEO's"), ensure that such employees are covered by Workers' Compensation

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insurance through the PEO's or other leasing entities. Ensure that any equipment rental agreements that include operators or other personnel who are employees of independent contractors, sole proprietorships or partners are covered by insurance required under Florida's Workers' Compensation law.

e. If the Recipient elects to self-perform the Project, and such self-performance is approved by the Department in accordance with the terms of this Agreement, the Recipient may self-insure and proof of self-insurance shall be provided to the Department. If the Recipient elects to hire a contractor or consultant to perform the Project, then the Recipient shall, or cause its contractor or consultant to carry Commercial General Liability insurance providing continuous coverage for all work or operations performed under the Agreement. Such insurance shall be no more restrictive than that provided by the latest occurrence form edition of the standard Commercial General Liability Coverage Form (ISO Form CG 00 01) as filed for use in the State of Florida. Recipient shall, or cause its contractor to cause the Department to be made an Additional Insured as to such insurance. Such coverage shall be on an "occurrence" basis and shall include Products/Completed Operations coverage. The coverage afforded to the Department as an Additional Insured shall be primary as to any other available insurance and shall not be more restrictive than the coverage afforded to the Named Insured. The limits of coverage shall not be less than $1,000,000 for each occurrence and not less than a $5,000,000 annual general aggregate, inclusive of amounts provided by an umbrella or excess policy. The limits of coverage described herein shall apply fully to the work or operations performed under the Agreement, and may not be shared with or diminished by claims unrelated to the Agreement. The policy/ies and coverage described herein may be subject to a deductible and such deductibles shall be paid by the Named Insured. No policy/ies or coverage described herein may contain or be subject to a Retention or a Self-Insured Retention unless the Recipient is a state agency or subdivision of the State of Florida that elects to self-perform the Project. Prior to the execution of the Agreement, and at all renewal periods which occur prior to final acceptance of the work, the Department shall be provided with an ACORD Certificate of Liability Insurance reflecting the coverage described herein. The Department shall be notified in writing within ten days of any cancellation, notice of cancellation, lapse, renewal, or proposed change to any policy or coverage described herein. The Department's approval or failure to disapprove any policy/ies, coverage, or ACORD Certificates shall not relieve or excuse any obligation to procure and maintain the insurance required herein, nor serve as a waiver of any rights or defenses the Department may have.

f. When the Agreement includes the construction of a railroad grade crossing, railroad overpass or underpass structure, or any other work or operations within the limits of the railroad right-of-way, including any encroachments thereon from work or operations in the vicinity of the railroad right-of-way, the Recipient shall, or cause its contractor to, in addition to the insurance coverage required above, procure and maintain Railroad Protective Liability Coverage (ISO Form CG 00 35) where the railroad is the Named Insured and where the limits are not less than $2,000,000 combined single limit for bodily injury and/or property damage per occurrence, and with an annual aggregate limit of not less than $6,000,000. The railroad shall also be added along with the Department as an Additional Insured on the policy/ies procured pursuant to the paragraph above. Prior to the execution of the Agreement, and at all renewal periods which occur prior to final acceptance of the work, both the Department and the railroad shall be provided with an ACORD Certificate of Liability Insurance reflecting the coverage described herein. The insurance described herein shall be maintained through final acceptance of the work. Both the Department and the railroad shall be notified in writing within ten days of any cancellation, notice of cancellation, renewal, or proposed change to any policy or coverage described herein. The Department's approval or failure to disapprove any policy/ies, coverage, or ACORD Certificates shall not relieve or excuse any obligation to procure and maintain the insurance required herein, nor serve as a waiver of any rights the Department may have.

g. When the Agreement involves work on or in the vicinity of utility-owned property or facilities, the utility shall be added along with the Department as an Additional Insured on the Commercial General Liability policy/ies procured above.

15. Miscellaneous:

a. In no event shall any payment to the Recipient constitute or be construed as a waiver by the Department of any breach of covenant or any default which may then exist on the part of the Recipient and the making of such payment by the Department, while any such breach or default shall exist, shall in no way impair or prejudice any right or remedy available to the Department with respect to such breach or default.

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b. If any provision of this Agreement is held invalid, the remainder of this Agreement shall not be affected. In such an instance, the remainder would then continue to conform to the terms and requirements of applicable law.

c. The Recipient and the Department agree that the Recipient, its employees, contractors, subcontractors, consultants, and subconsultants are not agents of the Department as a result of this Agreement.

d. By execution of the Agreement, the Recipient represents that it has not paid and, also agrees not to pay, any bonus or commission for the purpose of obtaining an approval of its application for the financing hereunder.

e. Nothing in the Agreement shall require the Recipient to observe or enforce compliance with any provision or perform any act or do any other thing in contravention of any applicable state law. If any of the provisions of the Agreement violate any applicable state law, the Recipient will at once notify the Department in writing in order that appropriate changes and modifications may be made by the Department and the Recipient to the end that the Recipient may proceed as soon as possible with the Project.

f. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which shall constitute the same Agreement. A facsimile or electronic transmission of this Agreement with a signature on behalf of a party will be legal and binding on such party.

g. The Department reserves the right to unilaterally terminate this Agreement for failure by the Recipient to comply with the provisions of Chapter 119, Florida Statutes.

h. The Recipient agrees to comply with Section 20.055(5), Florida Statutes, and to incorporate in all subcontracts the obligation to comply with Section 20.055(5), Florida Statutes

i. This Agreement shall be governed by and construed in accordance with the laws of the State of Florida. In the event of a conflict between any portion of the contract and Florida law, the laws of Florida shall prevail. The Recipient agrees to waive forum and venue and that the Department shall determine the forum and venue in which any dispute under this Agreement is decided.

j. This Agreement does not involve the purchase of Tangible Personal Property, as defined in Chapter 273, Florida Statutes.

16. Exhibits.

a. **Exhibits A, B, D, F,** and **J** are attached to and incorporated into this Agreement.

b. ☒ The Project will involve construction, therefore, **Exhibit "C"**, Engineer's Certification of Compliance is attached and incorporated into this Agreement.

c. ☐ Alternative Advance Payment Financial Provisions are used on this Project. If an Alternative Pay Method is used on this Project, then **Exhibit "H"**, Alternative Advance Payment Financial Provisions, is attached and incorporated into this Agreement.

d. ☐ This Project utilizes Advance Project Reimbursement. If this Project utilizes Advance Project Reimbursement, then **Exhibit "K"**, Advance Project Reimbursement is attached and incorporated into this Agreement.

e. ☐ A portion or all of the Project will utilize the Department's right-of-way and, therefore, **Exhibit O, Terms and Conditions of Construction in Department Right-of-Way**, is attached and incorporated into this Agreement.

f. ☐ The following Exhibit(s), in addition to those listed in 16.a. through 16.f., are attached and incorporated into this Agreement: _____

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g. Exhibit and Attachment List

Exhibit A: Project Description and Responsibilities
Exhibit B: Schedule of Financial Assistance
*Exhibit C: Engineer's Certification of Compliance
Exhibit D: Recipient Resolution
Exhibit F: Contract Payment Requirements
*Exhibit H: Alternative Advance Payment Financial Provisions
Exhibit J: State Financial Assistance (Florida Single Audit Act)
*Exhibit K: Advance Project Reimbursement
*Exhibit O: Terms and Conditions of Construction in Department Right-of-Way

*Additional Exhibit(s): _____

*Indicates that the Exhibit is only attached and incorporated if applicable box is selected.

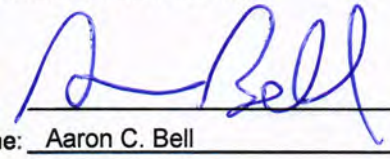
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IN WITNESS WHEREOF, the Parties have executed this Agreement on the day and year written above.

RECIPIENT Nassau County

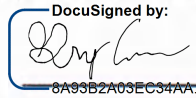
By: 

Name: Aaron C. Bell

Title: Chair

STATE OF FLORIDA,
DEPARTMENT OF TRANSPORTATION

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By: 
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Name: Greg Evans

Title: District Two Secretary

5/26/2022 | 5:12 PM EDT

Legal Review:

DocuSigned by:

By: Angela Hensel
0D4237CB170D4C2...

Name: Angela Hensel

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EXHIBIT A

PROJECT DESCRIPTION AND RESPONSIBILITIES

FPN: 449196-1-54-01

This exhibit forms an integral part of the Agreement between the State of Florida, Department of Transportation and

Nassau County (the Recipient)

PROJECT LOCATION:

☐ The project is on the National Highway System.

☐ The project is on the State Highway System.

PROJECT LENGTH AND MILE POST LIMITS: approx. 7 miles / 0.000 to 7.479

PROJECT DESCRIPTION: repairs including resurfacing of a segment of CR 121 from the Duval County Line to CR 119

SPECIAL CONSIDERATIONS BY RECIPIENT:

The Recipient is required to provide a copy of the design plans for the Department's review and approval to coordinate permitting with the Department, and notify the Department prior to commencement of any right-of-way activities.

The Recipient shall commence the project's activities subsequent to the execution of this Agreement and shall perform in accordance with the following schedule:

Design to be completed by 12/31/2023
Construction contract to be let by 4/1/2024
Construction to be completed by 6/30/2025
Agreement to be completed by 12/31/2025

If this schedule cannot be met, the Recipient will notify the Department in writing with a revised schedule or the project is subject to the withdrawal of funding.

SPECIAL CONSIDERATIONS BY DEPARTMENT:
Prior to Authorization to Advertise, the Agency is required to submit a Railroad, Right of Way, Utility Certification, Engineer's Estimate and email that CCNA was followed. Prior to Concurrence and Award, the Agency is required to submit the lowest responsible / responsive bidder documents for Department's review and approval and CEI team information. The Agency shall provide, at least, quarterly invoicing with progress report, with photos of construction. The Agency shall provide written justification for any time extension outlining reasons for all unforseen Project delay circumstances for Department review and approval.
The Agency shall provide as-builts or plan mark-ups at the completion of the Project.

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EXHIBIT B
SCHEDULE OF FINANCIAL ASSISTANCE

RECIPIENT NAME & BILLING ADDRESS:	FINANCIAL PROJECT NUMBER:
Nassau County, 76347 Veterans Way, Ste. 4000, Yulee, FL 32097	449196-1-54-01

PHASE OF WORK by Fiscal Year:		MAXIMUM PARTICIPATION (1) TOTAL PROJECT FUNDS	(2) LOCAL FUNDS	(3) STATE FUNDS	Indicate source of Local funds
Design- Phase 34 FY:	Maximum Department Participation (Insert Program Name)	$	$	$	☐ In-Kind ☐ Cash
FY:	Maximum Department Participation (Insert Program Name)	$	$	$	☐ In-Kind ☐ Cash
	Total Design Cost	$ 0.00 %	$ 0.00 %	$ 0.00 %	
Right-of-Way- Phase 44 FY:	Maximum Department Participation (Insert Program Name)	$	$	$	☐ In-Kind ☐ Cash
FY:	Maximum Department Participation (Insert Program Name)	$	$	$	☐ In-Kind ☐ Cash
	Total Right-of-Way Cost	$ 0.00 %	$ 0.00 %	$ 0.00 %	
Construction- Phase 54 FY:	Maximum Department Participation (Insert Program Name	$	$	$	☐ In-Kind ☐ Cash
FY:	Maximum Department Participation (Insert Program Name)	$	$	$	☐ In-Kind ☐ Cash
	Total Construction Cost	$ 0.00 %	$ 0.00 %	$ 0.00 %	
Construction Engineering and Inspection - Phase 64 FY:	Maximum Department Participation (Insert Program Name)	$	$	$	☐ In-Kind ☐ Cash
FY:	Maximum Department Participation (Insert Program Name)	$	$	$	☐ In-Kind ☐ Cash
	Total Construction Engineering and Inspection Cost	$ 0.00 %	$ 0.00 %	$ 0.00 %	
(Phase : Phase 54 - Design, Construction and CEI) FY: **2022**	Maximum Department Participation (Local Transportation Projects)	$9,000,000.00	$	$9,000,000.00	☐ In-Kind ☐ Cash
FY:	Maximum Department Participation (Insert Program Name)	$	$	$	☐ In-Kind ☐ Cash
	Total Cost	$9,000,000.00 %	$ 0.00 %	$9,000,000.00 %	
	TOTAL COST OF THE PROJECT	$9,000,000.00	$ 0.00	$9,000,000.00	

COST ANALYSIS CERTIFICATION AS REQUIRED BY SECTION 216.3475, FLORIDA STATUTES:
I certify that the cost for each line item budget category has been evaluated and determined to be allowable, reasonable, and necessary as required by Section 216.3475, F.S. Documentation is on file evidencing the methodology used and the conclusions reached.

Kim Evans
District Grant Manager Name

DocuSigned by:
kimberly Evans
E812EF47368A449...
Signature

5/26/2022 | 3:30 PM EDT
Date

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EXHIBIT C

ENGINEER'S CERTIFICATION OF COMPLIANCE

Engineer's Certification of Compliance. The Recipient shall complete and submit the following Notice of Completion and, if applicable, Engineer's Certification of Compliance to the Department upon completion of the construction phase of the Project.

NOTICE OF COMPLETION

STATE-FUNDED GRANT AGREEMENT
Between
THE STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION
and Nassau County

PROJECT DESCRIPTION:repairs including resurfacing of a segment of CR 121 from the Duval County Line to CR 119

FPID#: 449196-1-54-01

In accordance with the Terms and Conditions of the State-Funded Grant Agreement, the undersigned provides notification that the work authorized by this Agreement is complete as of _____, 20__.

By: _____

Name: _____

Title: _____

ENGINEER'S CERTIFICATION OF COMPLIANCE

In accordance with the Terms and Conditions of the State-Funded Grant Agreement, the undersigned certifies that all work which originally required certification by a Professional Engineer has been completed in compliance with the Project construction plans and specifications. If any deviations have been made from the approved plans, a list of all deviations, along with an explanation that justifies the reason to accept each deviation, will be attached to this Certification. Also, with submittal of this certification the Recipient shall furnish the Department a set of "as-built" plans certified by the Engineer of Record/CEI.

By: _____, _____ P.E.

SEAL:

Name: _____

Date: _____

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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

EXHIBIT D

RECIPIENT RESOLUTION

The Recipient's Resolution authorizing entry into this Agreement is attached and incorporated into this Agreement.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

DocuSign Envelope ID: 96A087E6-2019-4D0A-9BF0-5E6EAF508E8A

RESOLUTION NO. 2022- 105

A RESOLUTION AUTHORIZING THE EXECUTION OF THE AGREEMENT BETWEEN THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION AND THE BOARD OF COUNTY COMMISSIONERS OF NASSAU COUNTY, FLORIDA

WHEREAS, the County Engineer has recommended that the Board of County Commissioners of Nassau County, Florida, execute a State Funded Grant Agreement between the State of Florida Department of Transportation and Nassau County, Florida regarding the design, inspection, and construction of repairs including resurfacing of the southern most portion of CR 121. (Financial Project ID No. 449196-1-54-01);

NOW, THEREFORE, BE IT RESOLVED, this 18th day of May, 2022, by the Board of County Commissioners of Nassau County, Florida as follows:

1. The State Funded Grant Agreement between the State of Florida Department of Transportation and Nassau County is hereby approved, and the Chairman is authorized to execute said agreement.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

DocuSign Envelope ID: 96A087E6-2019-4D0A-9BF0-5E6EAF508E8A

BOARD OF COUNTY COMMISSIONERS
NASSAU COUNTY, FLORIDA

Aaron C. Bell, Chairman

Attest as to Chairman's
Signature:

John A. Crawford

Approved as to form by the
Nassau County Attorney:

Denise C. May

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

EXHIBIT F

CONTRACT PAYMENT REQUIREMENTS
Florida Department of Financial Services, Reference Guide for State Expenditures
Cost Reimbursement Contracts

Invoices for cost reimbursement contracts must be supported by an itemized listing of expenditures by category (salary, travel, expenses, etc.). Supporting documentation shall be submitted for each amount for which reimbursement is being claimed indicating that the item has been paid. Documentation for each amount for which reimbursement is being claimed must indicate that the item has been paid. Check numbers may be provided in lieu of copies of actual checks. Each piece of documentation should clearly reflect the dates of service. Only expenditures for categories in the approved agreement budget may be reimbursed. These expenditures must be allowable (pursuant to law) and directly related to the services being provided.

Listed below are types and examples of supporting documentation for cost reimbursement agreements:

Salaries: Timesheets that support the hours worked on the project or activity must be kept. A payroll register, or similar documentation should be maintained. The payroll register should show gross salary charges, fringe benefits, other deductions and net pay. If an individual for whom reimbursement is being claimed is paid by the hour, a document reflecting the hours worked times the rate of pay will be acceptable.

Fringe benefits: Fringe benefits should be supported by invoices showing the amount paid on behalf of the employee, e.g., insurance premiums paid. If the contract specifically states that fringe benefits will be based on a specified percentage rather than the actual cost of fringe benefits, then the calculation for the fringe benefits amount must be shown. Exception: Governmental entities are not required to provide check numbers or copies of checks for fringe benefits.

Travel: Reimbursement for travel must be in accordance with s. 112.061, F.S., which includes submission of the claim on the approved state travel voucher along with supporting receipts and invoices.

Other direct costs: Reimbursement will be made based on paid invoices/receipts and proof of payment processing (cancelled/processed checks and bank statements). If nonexpendable property is purchased using state funds, the contract should include a provision for the transfer of the property to the State when services are terminated. Documentation must be provided to show compliance with DMS Rule 60A-1.017, F.A.C., regarding the requirements for contracts which include services and that provide for the contractor to purchase tangible personal property as defined in s. 273.02, F.S., for subsequent transfer to the State.

Indirect costs: If the contract stipulates that indirect costs will be paid based on a specified rate, then the calculation should be shown. Indirect costs must be in the approved agreement budget and the entity must be able to demonstrate that the costs are not duplicated elsewhere as direct costs. All indirect cost rates must be evaluated for reasonableness and for allowability and must be allocated consistently.

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Contracts between state agencies may submit alternative documentation to substantiate the reimbursement request, which may be in the form of FLAIR reports or other detailed reports.

The Florida Department of Financial Services, online Reference Guide for State Expenditures can be found at this web address https://www.myfloridacfo.com/Division/AA/Manuals/documents/ReferenceGuideforStateExpenditures.pdf.

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EXHIBIT J

STATE FINANCIAL ASSISTANCE (FLORIDA SINGLE AUDIT ACT)

THE STATE RESOURCES AWARDED PURSUANT TO THIS AGREEMENT CONSIST OF THE FOLLOWING:

Awarding Agency: Florida Department of Transportation

State Project Title and CSFA Number:

- ☐ County Incentive Grant Program (CIGP), (CSFA 55.008)
- ☐ Small County Outreach Program (SCOP), (CSFA 55.009)
- ☐ Small County Road Assistance Program (SCRAP), (CSFA 55.016)
- ☐ Transportation Regional Incentive Program (TRIP), (CSFA 55.026)
- ☒ Local Transportation Projects, SB 2500, Line 1915A CSFA #55.039

***Award Amount:** $9,000,000.00

*The state award amount may change with supplemental agreements

Specific project information for CSFA Number is provided at: https://apps.fldfs.com/fsaa/searchCatalog.aspx

COMPLIANCE REQUIREMENTS APPLICABLE TO STATE RESOURCES AWARDED PURSUANT TO THIS AGREEMENT:

State Project Compliance Requirements for CSFA Number are provided at: https://apps.fldfs.com/fsaa/searchCompliance.aspx

The State Projects Compliance Supplement is provided at: https://apps.fldfs.com/fsaa/compliance.aspx

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RESOLUTION NO. 2022- 105

A RESOLUTION AUTHORIZING THE EXECUTION OF THE AGREEMENT BETWEEN THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION AND THE BOARD OF COUNTY COMMISSIONERS OF NASSAU COUNTY, FLORIDA

WHEREAS, the County Engineer has recommended that the Board of County Commissioners of Nassau County, Florida, execute a State Funded Grant Agreement between the State of Florida Department of Transportation and Nassau County, Florida regarding the design, inspection, and construction of repairs including resurfacing of the southern most portion of CR 121. (Financial Project ID No. 449196-1-54-01);

NOW, THEREFORE, BE IT RESOLVED, this 18th day of May, 2022, by the Board of County Commissioners of Nassau County, Florida as follows:

1. The State Funded Grant Agreement between the State of Florida Department of Transportation and Nassau County is hereby approved, and the Chairman is authorized to execute said agreement.

NASSAU COUNTY FLORIDA
IN GOD WE TRUST

A CERTIFIED TRUE COPY
John A Crawford
EX-OFFICIO, Clerk of the Board of County Comm.
Nassau County, Florida
By: Heather D
DC

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BOARD OF COUNTY COMMISSIONERS
NASSAU COUNTY, FLORIDA

Aaron C. Bell, Chairman

Attest as to Chairman's
Signature:

John A. Crawford

Approved as to form by the
Nassau County Attorney:

Denise C. May

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

To: kimberly.evans@dot.state.fl.us

FLORIDA DEPARTMENT OF TRANSPORTATION
FUNDS APPROVAL

G2902

5/26/2022

CONTRACT INFORMATION

Contract:	G2902
Contract Type:	GD - GRANT DISBURSEMENT (GRANT)
Method of Procurement:	G - GOVERMENTAL AGENCY (287.057,F.S.)
Vendor Name:	NASSAU COUNTY BOARD OF COUNTY C
Vendor ID:	F591863042053
Beginning Date of This Agreement:	05/24/2022
Ending Date of This Agreement:	12/31/2025
Contract Total/Budgetary Ceiling:	ct = $9,000,000.00
Description:	repairs including resurfacing of CR 121 from the Duval CL toCR 119

FUNDS APPROVAL INFORMATION

FUNDS APPROVED/REVIEWED FOR ROBIN M. NAITOVE, CPA, COMPTROLLER ON 5/26/2022

Action:	Original
Reviewed or Approved:	APPROVED
Organization Code:	55024010206
Expansion Option:	AU
Object Code:	751000
Amount:	$9,000,000.00
Financial Project:	44919615401
Work Activity (FCT):	215
CFDA:	
Fiscal Year:	2022
Budget Entity:	55150200
Category/Category Year:	088862/22
Amendment ID:	O001
Sequence:	00
User Assigned ID:	
Enc Line (6s)/Status:	0001/04

Total Amount: $9,000,000.00

DocuSign

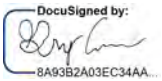
Certificate Of Completion

Envelope Id: 6CD629294890461CA6EFEE1829285565
Status: Completed
Subject: CR 121 Earmark - Nassau County
Contract Number (ex. C9A12, optional): G2902
Document Contains Confidential Information?: No
Fin Proj Num (ex.123456-1-32-01, Optional): 449196-1-54-01
Office (contact Procurement if add is needed):
Local Programs
HR Action?: No
Source Envelope: 7AA82DF23C4547C1947837D24BEF43E7
Document Pages: 27
Signatures: 2
Certificate Pages: 2
Initials: 0
AutoNav: Disabled
EnvelopeId Stamping: Enabled
Time Zone: (UTC-05:00) Eastern Time (US & Canada)

Envelope Originator:
Kimberly Evans
605 Suwannee Street
MS 20
Tallahassee, FL 32399-0450
kimberly.evans@dot.state.fl.us
IP Address: 156.75.180.190

Record Tracking

Status: Original
5/26/2022 3:31:29 PM
Holder: Kimberly Evans
kimberly.evans@dot.state.fl.us
Location: DocuSign

Signer Events	Signature	Timestamp
Angela Hensel angela.hensel@dot.state.fl.us District Legal Counsel Florida Department of Transportation Security Level: Email, Account Authentication (None), Login with SSO	DocuSigned by: Angela Hensel 0D4237CB170D4C2... Signature Adoption: Pre-selected Style Signed by link sent to angela.hensel@dot.state.fl.us Using IP Address: 156.75.180.190	Sent: 5/26/2022 3:40:19 PM Resent: 5/26/2022 4:30:26 PM Viewed: 5/26/2022 4:32:04 PM Signed: 5/26/2022 4:33:41 PM
Electronic Record and Signature Disclosure: Not Offered via DocuSign		
Greg Evans greg.evans@dot.state.fl.us D2 Secretary FLDOT Security Level: Email, Account Authentication (None)	DocuSigned by:  8A93B2A03EC34AA... Signature Adoption: Drawn on Device Signed by link sent to greg.evans@dot.state.fl.us Using IP Address: 174.247.145.42 Signed using mobile	Sent: 5/26/2022 4:33:42 PM Viewed: 5/26/2022 5:12:06 PM Signed: 5/26/2022 5:12:56 PM
Electronic Record and Signature Disclosure: Not Offered via DocuSign		

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	5/26/2022 3:40:19 PM
Certified Delivered	Security Checked	5/26/2022 5:12:06 PM
Signing Complete	Security Checked	5/26/2022 5:12:56 PM
Completed	Security Checked	5/26/2022 5:12:56 PM

Payment Events	Status	Timestamps

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APPENDIX B

Nassau County Capital Improvement Projects Department
96161 Nassau Place
Yulee, Florida 32097

Road Closure Policy

1. Submit a request to capitalprojects@nassaucountyfl.com for the road closure. In the request you must explain the following:

   a) Why the road needs to be closed and the duration of the closure?
   b) What are the benefits to public for closing the road?
   c) Include a draft detour plan.

   After the road closure request and draft detour plan have been approved, the following information shall be submitted to the Nassau County Capital Improvement Projects Department for review and approval.

2. Submit to Nassau County Capital Improvement Projects Department: A Maintenance of Traffic (MOT) Plan prepared by or approved by Florida Advanced Maintenance of Traffic (AMOT) certified personnel referencing the latest editions of the Florida Department of Transportation (FDOT) Design Standards Section 600 and the Manual on Uniform Traffic Control Devices (MUTCD). These plans shall include the Worksite Traffic Supervisor as per the latest edition of the FDOT Standard Specifications for Road & Bridge Construction Section 105-8.3. Variable Message Boards (VMB) will be required and shall be installed 7 days prior to the detour taking place and remain throughout. Any signed detour that will be within FDOT Right-of-Way (or on portions thereof) shall have prior FDOT approval. A Maintenance of Traffic Plan proposing a change to any approved documents, including contract documents and approved construction plans must be signed and sealed.

3. Provide a public notification advertisement to an approved local newspaper to appear no less than fourteen (14) days prior to the scheduled closure. Submit the draft notification to Nassau County Capital Improvement Projects for review and approval prior to advertising. This notification will clearly describe the name of the project and contractor, scope of the detour, scope of construction, the name of all roads that will be affected, official detour routes, duration of closure and the Worksite Traffic Supervisor's telephone number. Attach a diagram showing the surrounding area and detour routes. Diagram must be clear and depict road names and route direction. The size of advertisement in newspaper shall be a minimum of 2 columns wide by 12 inches long (tall) or one fifth (1/5) of a page with a minimum of 24 point font for the heading and 10 point font for the body and detour plan. Flyers with the same information may be required. With the Capital Improvement Projects Department's written approval, local roads may not require publishing of the advertisement in the paper; however, all other criteria must be adhered to.

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4. Submit notification to the following departments and agencies prior to the road closure. A confirmation of notification to the Capital Improvement Projects Department must be provided prior to road closure. Depending on the location of the project/detour, notification to other agencies may be required.

- Nassau County Sheriff's Office
  - Ricky A Rowell, TAC
    Phone – (904) 548-4000
    Email – rickyr@nassauso.com
  - Scott Gearis, Lt.
    Phone – (904) 548-4028
    Email – sgearis@nassauso.com

- Nassau County Emergency Management
  - Martha Oberdorfer
    Phone – (904) 548-0931
    Fax – (904) 548-933
    Email – mloberdorfer@nassauso.com

- Nassau County Fire Department
  - Chief Brady Rigdon
    Email – brigdon@nassaucountyfl.com
  - Chief Greg Roland
    Email – groland@nassaucountyfl.com
  - Deputy Chief Amanda Baumann Email – abaumann@nassaucountyfl.com Phone – (904) 530-6600
    Fax – (904) 321-5748

- Nassau County School Bus Transportation
  - Brad Underhill
    Phone – (904) 225-0127
    Fax – (904) 255-9404
    Email – underhillbr@nassau.k12.fl.us

- Nassau County Road & Bridge Department
  - Jennifer Kirkland
    Phone – (904) 530-6175
    Fax – (904) 530-6901
    Email – jkirkland@nassaucountyfl.com

- Nassau County Manager's Office
  - Sabrina Robertson
    Phone – (904) 530-6010
    Fax – (904) 321-5784
    Email - srobertson@nassaucountyfl.com

- United Postal Service (Yulee)
  - Jesus N. Escobar
    Phone – (904) 225-5331
    Email – jesus.n.escobar@usps.gov

- United Postal Service (Fernandina)
  - Paul Battista
    Phone – (904) 491-4680
    Email – paul.d.battista@usps.gov

- United Postal Service (Callahan/Bryceville)
  - Cynthia F. Kuykendall
    Phone – (904) 879-2131
    Email – cynthia.f.kukendall@usps.gov

- United Postal Service (Hilliard)
  - Brendon D. Taylor
    Phone – (904) 845-2151
    Email – brendon.d.taylor@usps.gov

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5. Signage will be in place prior to road closure. They will be bagged/covered until needed. VMBs, will be installed and operating a minimum of seven (7) calendar days prior to any closure/detour.

6. Visual inspection of the VMB by the Capital Improvement Projects Department is required at installation or relocation. Visual inspection of all road/detour signage shall be accomplished prior to road closure. Contact Capital Improvement Projects 48 hours prior to installation for inspection.

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Nassau County Engineering Services Department
96161 Nassau Place
Yulee, Florida 32097

APPENDIX C

AS-BUILT REQUIREMENT CHECKLIST:

The following list is intended to highlight the majority of the as-built requirements for Construction projects in Nassau County. This list should not be considered to be all-inclusive as each project is unique in nature and may require additional information that can only be determined during the course of the project's completion. Generally, however, the AS-BUILT information shall contain the following:

1. AS-BUILTS should be based on the design plans as approved through the DRC process. The submitted as-builts should be at the same scale and have the same orientation as the design files.

2. AS-BUILTS should have the same page numbering as the design plans, and the cover of the AS-BUILT plans should have all sheets from the design plans listed with sheets not "AS-BUILTED" stricken through.

3. AS-BUILTS should display the original design information as displayed on the plan sheets with the design information stricken through and the as-built information displayed in bold adjacent to the design information.

4. AS-BUILTS shall be accompanied by an "Engineer's Certification" form from the Engineer of Record. (Exhibits 3 & 4)

5. Three {3) sets of fully signed and sealed AS-BUILTS should be submitted along with CD containing the PDF file(s) and CADD file(s) of the AS-BUILT information. CADD files should be in State Plane coordinates (NAD 83) with a vertical datum of NAVD88 or NGVD 1929 (with the datum shift noted). Furthermore, CADD files should only be submitted in ACAD version 2013 or later.

6. Northing and Easting of all drainage structures should be included.

7. The plans should be clearly legible, and all structure notes, distances, angles and elevations should be clearly readable.

8. If the plan represents a phase of a development, then that phase should be clearly identified for clarity and avoid confusion with future phases.

9. There should be a north arrow and scale on each sheet.

10. A legend should be included explaining the symbols used in the plans.

11. ALL sheets must be signed and sealed by a surveyor licensed in the State of Florida.

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12. There should be sufficient "plan" and "as-built" elevations shown to verify that the streets were constructed substantially in accordance with the approved construction plans. Generally, the County will review all low points and high points in the street and verify that the minimum grade exists for each street. On straight sections between high and low points elevations should be taken every 200 feet.

13. All street curve radii should be shown on the plans or in a table.

14. Street widths and curb type should be identified for each street on each sheet.

15. Whenever there are islands within the streets the as-builts should include dimensions for these islands.

16. The paved radii of all Cui-de-Sacs should be listed and Cul-De-Sac center and edge of pavement or gutter elevations at quarter points shall be shown.

17. All underdrains should be shown with size, lengths, inverts and cleanouts all shown.

18. Where swales are utilized there should be sufficient flow line elevations and ditch cross sections to verify capacity of the channel.

19. There should be a comparison table of design and as-built pipe sizes, lengths, invert elevations, and pipe slopes.

20. The as-built surface area of the pond(s) at Normal Water Level (design) and Top of Bank (as-built) should be included.

21. The bottom elevation and area should be shown (2 locations min. per pond).

22. The surveyor shall certify by note (for each pond) that no slope is greater than 1:4 above the design NWL, unless the pond is fenced.

23. All structures in the pond (overflow weirs, etc.) should be included.

24. All water main and sewer main locations, size, lengths, inverts, etc.

25. All easements required (or on a plat) should be shown on the "As- Builts" and improvement located so as to verify improvements are within the easement. Easement not recorded as part of the recorded plat including drainage and right-of-way easements shall also be identified as "as-built". For these easements the book and page of their record, property to whom easement is dedicated and date of filing should be shown on as the "as-built". All

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improvements intended to be within these easements shall be shown as the "as-builts" to verify the improvements are within the easement. Wetlands are not reviewed by Nassau County and need not be shown.

26. Depict all storm drain and utility repair locations and methods.

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KNOWN EXISTING UTILITY PROVIDERS IN AREA:

COMCAST CABLE
JAMES GRAHAM
(904) 380-6341

WINDSTREAM COMMUNICATION
DAVID JORDAN
(386) 208-9965

FLORIDA POWER & LIGHT (TRANSMISSION)
THOMAS COLUCCI
(315) 219-7458

OKEFENOKE RURAL ELECTRIC MEMBERSHIP CORP
ROY SIKES
(912) 390-1459

AT&T DISTRIBUTION
DINO FARRUGGIO
(561) 683-2729

SOUTHERN NATURAL GAS COMPANY
BUDDY PATRICK JR.
(912) 754-3343

FLORIDA POWER & LIGHT (DISTRIBUTION)
CHRIS BUONANNI
(407) 328-1911

STATE OF FLORIDA
NASSAU COUNTY
ROADWAY PLANS

NASSAU COUNTY CONTRACT NO. NC22-019

CR 121
DUVAL COUNTY LINE TO CR 119
RECONSTRUCTION

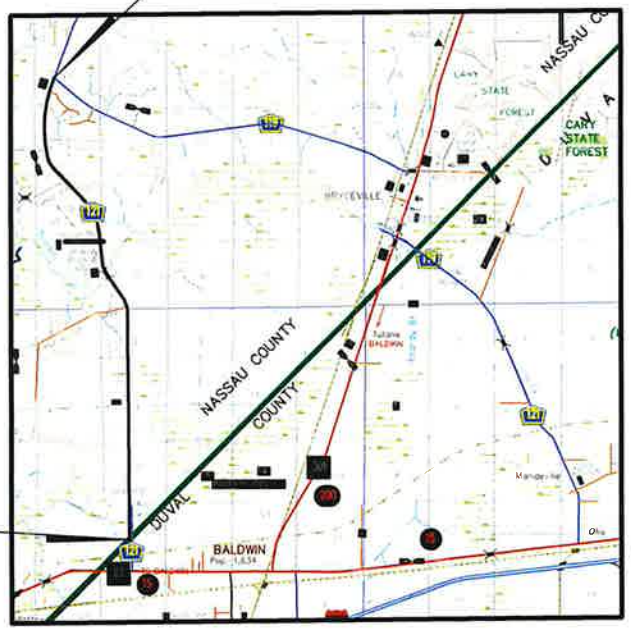


FINAL PLANS
SUBMITTAL DATE 01/22/25

INDEX OF ROADWAY PLANS

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6	TYPICAL SECTIONS
7	TYPICAL SECTION DETAILS
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81	ROADWAY SOIL SURVEY
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S-09	LOAD RATING DATA TABLES

END PROJECT
STA. 431+86.44



BEGIN PROJECT
STA. 36+65.50

N

0 1940 9700
Feet

GOVERNING DESIGN STANDARDS:

Florida Department of Transportation, FY 2024-25 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

Nassau County Roadway and Drainage Standards, Ordinance 99-17, as amended.

Manual on Uniform Traffic Control Devices for Streets and Highways, 11th Edition, Dated December 2023.

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2024-25 Standard Specifications for Road and Bridge Construction at the following website:
http://www.fdot.gov/programmanagement/Implemented/SpecBooks

PROJECT LENGTH BASED ON CL. OF CONSTRUCTION

RECONSTRUCTION:	STA. 36+65.50 TO STA. 238+69.06
MILL AND RESURFACE:	STA. 238+69.06 TO STA. 272+50.00 (EXCLUDING BRIDGE)
RECONSTRUCTION	STA. 272+50.00 TO STA. 431+86.44

PROJECT MANAGER: ROBERT COMPANION, P.E.

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

ROBERT COMPANION, P.E.
DEPUTY COUNTY MANAGER
COUNTY ENGINEER
96135 NASSAU PLACE
YULEE, FL 32097
PHONE: (904) 530-6010
EMAIL: RCOMPANION@NASSAUCOUNTYFL.COM

PLANS PREPARED BY:

KIMLEY-HORN AND ASSOCIATES
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FL 32258
PHONE: (904)828-3900

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION

PLANS PREPARED FOR:
NASSAU COUNTY

ROADWAY PLANS

ENGINEER TO RECORD: JESSICA L. NOVAK

P.E. NO.: 90848

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JESSICA L NOVAK
LICENSE
No 90848
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

Digitally signed by Jessica Novak
Date: 2025.03.31 10:35:59-04'00'

ON THE DATE ADJACENT TO THE SEAL
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12740 GRAN BAY PARKWAY SUITE 2350
JACKSONVILLE, FL 32258
REGISTRY 35106
JESSICA L NOVAK, P E NO 90848

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SHEET NO	SHEET DESCRIPTION
1	COVER SHEET
3	QUANTITY SHEET
4-5	GENERAL NOTES
6	TYPICAL SECTIONS
7	TYPICAL SECTION DETAILS
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115 - 118	MINOR DRAIN CROSS SECTION
119 - 149	SIGNING AND PAVEMENT MARKING

DEBORAH LYNN KNIGHTON
LICENSE
No. 43920
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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Digitally signed by Deborah L Knighton
Date: 2025.03.28 11:47:13-04'00'

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201 N FRANKLIN ST, SUITE 1400
TAMPA, FL 33602
REGISTRY 35106
DEBORAH LYNN KNIGHTON, P E NO 43920

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SHEET NO	SHEET DESCRIPTION
111 - 113	BOX CULVERT GRADING DETAILS
114	WINGWALL ELEVATION DETAILS

JOSEPH A. ROBERTS JR
LICENSE
No. 78547
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

Digitally signed by Joseph A Roberts
Date: 2025.03.31 06:37:46-04'00'

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KIMLEY-HORN AND ASSOCIATES, INC
200 SOUTH ORANGE AVE , SUITE 600
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION NO 696
JOSEPH A ROBERTS JR , P E NO 78547

THE ABOVE NAMED PROFESSIONAL ENGINEER WILL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23 004, F.A C

SHEET NO	SHEET DESCRIPTION
S-01 - S-02	BOX CULVERT DATA TABLES
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S-07 - S-08	S-3 REINFORCING BAR LIST
S-09	LOAD RATING DATA TABLES

ALFREDO BERMUDEZ
CERTIFICATE
No. 5578
STATE OF FLORIDA
REGISTERED SURVEYOR & MAPPER

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ON THE DATE ADJACENT TO THE SEAL
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SURVEY AND MAPPING
2844 PABLO AVENUE
TALLAHASSEE, FL 32308
LICENSE BUSINESS NO. 7806
ALFREDO BERMUDEZ, PSM NO. 5578

THE ABOVE NAMED PROFESSIONAL ENGINEER WILL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23 004, F.A C

SHEET NO	SHEET DESCRIPTION
12	PROJECT CONTROL

MATTHEW R. LANDSCHOOT
LICENSE
No. 76183
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

Matthew R Landschoot
2025.03.31 10:18:03 -04'00'

ON THE DATE ADJACENT TO THE SEAL
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ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC
104 NORTH MAGNOLIA DRIVE
TALLAHASSEE, FL 32301
REGISTRY 6222
MATTHEW R. LANDSCHOOT, P E NO 76183

THE ABOVE NAMED PROFESSIONAL ENGINEER WILL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23 004, F.A C

SHEET NO	SHEET DESCRIPTION
81	ROADWAY SOIL SURVEY
82 - 93	REPORT OF SOIL BORINGS
94 - 97	REPORT OF CULVERT BORINGS

G. E. ROLAND
LICENSE
No. 62338
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

George Roland
Digitally signed by George Roland
Date: 2025.03.31 10:25:13 -04'00'

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KIMLEY-HORN AND ASSOCIATES, INC
12740 GRAN BAY PARKWAY, SUITE 2350
JACKSONVILLE, FL 32258
REGISTRY 35106
G. E. ROLAND, P E. NO. 62338

THE ABOVE NAMED PROFESSIONAL ENGINEER WILL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23 004, F A C

SHEET NO	SHEET DESCRIPTION
150	TRAFFIC CONTROL GENERAL NOTES
151	THRU TRAFFIC DETOUR PLAN AND ROAD CLOSURE DETAIL

Kimley»Horn

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12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: (904) 828-3900
www.kimley-horn.com REGISTRY No. 35106

REVISIONS | NO. | DATE | BY

LICENSED PROFESSIONAL: JESSICA NOVAK, P.E.
FLORIDA PROFESSIONAL ENGINEER NUMBER 90848

KHA PROJECT 045045005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY
DATE

FLORIDA

SIGNATURE SHEET

CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER
2

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SUMMARY OF QUANTITIES

ROADWAY COMPONENTS

FDOT PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
104-10-3	SEDIMENT BARRIER	LF	72,279
110-1-1	CLEARING & GRUBBING	AC	43
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	SF	2,300
110-7-1	MAILBOX, F&I SINGLE	EA	98
120-1	REGULAR EXCAVATION	CY	1,174
120-4	SUBSOIL EXCAVATION	CY	2,815
120-6	EMBANKMENT	CY	5,715
160-4	TYPE B STABILIZATION	SY	131,672
285-709	OPTIONAL BASE, BASE GROUP 09	SY	107,997
327-70-7	MILLING EXISTING ASPHALT PAVEMENT, 4" AVG DEPTH	SY	8,900
334-1-52	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG76-22	TN	9,376
337-7-81	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC B, FC-12.5, PG 76-22	TN	8,995
339-1	MISCELLANEOUS ASPHALT PAVEMENT	TN	62
520-6	SHOULDER GUTTER- CONCRETE	LF	77
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	87
536-1-1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	1,219
536-7-2	SPECIAL GUARDRAIL POST- SPECIAL STEEL POST FOR CONCRETE STRUCTURE MOUNT	EA	26
536-73	GUARDRAIL REMOVAL	LF	868
536-85-24	GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL	EA	12
570-1-2	PERFORMANCE TURF, SOD	SY	74,548
N/A	MISC DRIVEWAY TIE-IN MATERIAL	SY	670

DRAINAGE COMPONENTS

FDOT PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
400-4-1	CONCRETE CLASS IV, CULVERTS	CY	359
415-1-1	REINFORCING STEEL- ROADWAY	LB	65,309
425-1-701	INLETS, GUTTER, TYPE S, <10'	EA	1
425-2-41	MANHOLES, P-7, <10'	EA	1
425-2-71	MANHOLES, J-7, <10'	EA	1
430-94-1	DESILTING PIPE, 0-24"	LF	553
430-94-2	DESILTING PIPE, 25"-36"	LF	514
430-94-3	DESILTING PIPE, 37"-48"	LF	120
430-175-115	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15"S/CD	LF	27
430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	31
430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	128
430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	38
430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	58
430-536-200	STRAIGHT CONCRETE ENDWALLS, 36", DOUBLE, 0 DEGREES, ROUND	EA	2
430-982-123	MITERED END SECTION, OPTIONAL ROUND, 15" CD	EA	2
430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	2
430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	36
430-982-133	MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA	5
530-3-4	RIPRAP, RUBBLE, F&L DITCH LINING	TN	150
530-74	BEDDING STONE	TN	107

SUMMARY OF QUANTITIES

SIGNING AND PAVEMENT MARKING

FDOT PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	21
700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	4
700-1-50	SINGLE POST SIGN, RELOCATE	EA	40
700-1-60	SINGLE POST SIGN, REMOVE	EA	9
700-13-15	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'	EA	6
705-10-1	OBJECT MARKER, TYPE 1	EA	3
705-10-2	OBJECT MARKER, TYPE 2	EA	105
705-10-3	OBJECT MARKER, TYPE 3	EA	12
706-1-3	RAISED PAVEMENT MARKER, TYPE B	EA	9,024
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	155
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	1
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	15.0
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	4.8
711-16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	6.4
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1

BRANDY BRANCH CHURCH PLACE PAVING

FDOT PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	56
570-1-2	PERFORMANCE TURF, SOD	SY	2,027

BID ALTERNATE A

FDOT PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	673
430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	183
430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	80
430-982-133	MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA	2

NOTE: SEE SHEET 3A FOR PAY ITEMS NOTES

Kimley»Horn
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12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: (904) 828-3900
WWW.KIMLEY-HORN.COM REGISTRY No 35106

No.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848
DATE: ___

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY ___
DRAWN BY ___
CHECKED BY ___

FLORIDA

QUANTITY SHEET

CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER 3

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PAY ITEM NOTES:

102-1 MAINTENANCE OF TRAFFIC: INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO IMPLEMENT TEMPORARY TRAFFIC CONTROL IN ACCORDANCE WITH THE CONTRACT PLANS AND FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION DATED FY 2024/25. INCLUDES THE SET UP AND MAINTENANCE OF ANY AND ALL TEMPORARY BARRIER WALL, IMPACT ATTENUATORS, BARRICADES, PCMS, ARROW BOARDS, SIGNING AND PAVEMENT MARKINGS, TEMPORARY SOD, TEMPORARY DRAINAGE, TEMPORARY PAVEMENT, TEMPORARY DRIVEWAYS, TEMPORARY SIGNALS, TRAFFIC CONTROL OFFICERS, ETC. AS APPLICABLE TO MAINTAIN LOCAL TRAFFIC ONLY WITHIN THE PROJECT LIMITS AND TO MAINTAIN THE ESTABLISHED DETOUR ROUTE. COST SHALL INCLUDE LITTER REMOVAL AND MOWING AS REQUIRED PER SECTION 107 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 2024

104-10-3 SEDIMENT BARRIER: INCLUDES DAILY MONITORING AND PROMPT REPAIR AS REQUIRED

110-1-1 CLEARING AND GRUBBING: INCLUDES ASPHALT AND PAVEMENT REMOVAL, CURBING, TREE REMOVAL, AND ANY OTHER ITEM REQUIRED FOR CONSTRUCTION.

110-3 REMOVAL OF EXISTING STRUCTURES/BRIDGE: INCLUDES THE REMOVAL COST OF BOTH EXISTING CONCRETE BOX CULVERTS TO BE REPLACED (BRIDGE BOX CULVERT #74044 AT STA. 54+14 AND CONCRETE BOX CULVERT #0903 AT STA. 406+60). INCLUDES REMOVAL OF THE EXISTING HEADWALLS FOR THE EXISTING BOX CULVERT TO BE EXTENDED (CONCRETE BOX CULVERT #0902 AT STA. 90+35)

160-4 TYPE B STABILIZATION: INCLUDES THE COST OF INSTALLATION OF FLOWABLE FILL AS NEEDED PER FDOT STANDARD INDEX 125-001

327-70-7 MILLING EXISTING PAVEMENT, 4" AVG DEPTH: INCLUDES DELIVERY OF MILLINGS TO NASSAU COUNTY. SEE GENERAL NOTES.

337-7-81 ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-12.5 PG 76-22: INCLUDES ALL LABOR, EQUIPMENT, AND MATERIAL NECESSARY FOR INSTALLING SAFETY EDGE.

400-4-1 CONCRETE CLASS IV, CULVERTS: THE COST OF ALL MATERIAL, LABOR, AND INCIDENTAL COSTS RELATED TO THE SOIL IMPROVEMENTS DETAILED, INCLUDING BUT NOT LIMITED TO, DEWATERING, SOIL EXCAVATION AND SOIL BEARING AREA PREPARATION, AND ALL MATERIALS, LABOR, EQUIPMENT AND INCIDENTAL COSTS RELATED TO TEMPORARY NON-CRITICAL SHEET PILING REQUIRED FOR THE INSTALLATION OF THE BOX CULVERT, SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONCRETE.

536-73 GUARDRAIL - REMOVAL: INCLUDES THE COST OF REMOVING EXISTING GUARDRAIL ATTACHED TO CONCRETE HEADWALLS AT THE THREE CONCRETE BOX CULVERT LOCATIONS

N/A DRIVEWAY CONSTRUCTION: INCLUDES THE INSTALLATION AND COST OF MATERIAL NEEDED TO TIE DRIVEWAY APRON TO EXISTING DRIVEWAY. MATERIALS WILL VARY BY DRIVEWAY, INCLUDING BUT NOT LIMITED TO SOD, GRAVEL, ASPHALT, CONCRETE AND DIRT.

BID-ALT A REPLACE EXISTING PIPES AS NEEDED BASED ON EXISTING CONDITION. CONTRACTOR TO INSPECT AND VERIFY WITH CEI BEFORE REMOVAL OF EXISTING PIPE. EACH LOCATION WILL BE REVIEWED INDIVIDUALLY. MITERED END SECTIONS ARE PART OF THE BASE BID.

REVISIONS

No.	DATE	BY

Kimley»Horn

© 2024 KIMLEY-HORN AND ASSOCIATES, INC
12740 GATEWAY PARK BLVD., SUITE 2250
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
LICENSE NUMBER
90848
STATE OF FLORIDA

KHA PROJECT
045045005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

QUANTITY SHEET

CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER
3A

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GENERAL NOTES:

1. ENGINEERING PLANS APPROVAL DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY ADOPTED FEDERAL, STATE, OR LOCAL LAW, CODE, OR ORDINANCE.
2. ALL WORK WITHIN THE PUBLIC STREETS AND RIGHT-OF-WAYS SHALL CONFORM TO NASSAU COUNTY LAND DEVELOPMENT CODES (LDC), FDOT STANDARD INDICES, FLORIDA GREENBOOK, NASSAU COUNTY ROADWAY AND DRAINAGE STANDARDS, AND NASSAU COUNTY STANDARD DETAILS AS NECESSARY. FOR ANY DISCREPANCY BETWEEN STANDARDS, THE MOST STRINGENT SHALL PREVAIL.
3. PER NASSAU COUNTY ROADWAY AND DRAINAGE STANDARDS, ORDINANCE 99-17 SECTION 6.2.4, SITE SHALL BE CONSTRUCTED PER APPROVED CONSTRUCTION DRAWINGS. ANY SUBSTANTIAL DEVIATION SHALL BE CONCURRENTLY REVIEWED BY ENGINEER OF RECORD AND NASSAU COUNTY DEVELOPMENT REVIEW COMMITTEE PRIOR TO FIELD CHANGES.
4. A PRE-CONSTRUCTION MEETING WITH NASSAU COUNTY ENGINEERING SERVICES CONSTRUCTION INSPECTOR IS REQUIRED. ATTENDEES SHALL BE NASSAU COUNTY, ENGINEER OF RECORD, CONTRACTOR, TESTING FIRM, PAVING FIRM, AND UTILITY COMPANIES PER NASSAU COUNTY ORDINANCE 99-17 SECTION 7.2.3. NASSAU COUNTY MAY CANCEL PRE-CONSTRUCTION MEETING IF ATTENDEE LIST IS INADEQUATE. NASSAU COUNTY ENGINEERING SERVICES CAN BE REACHED AT 904-530-6225.
5. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE ALL WORK WITH THE APPROPRIATE NASSAU COUNTY CONSTRUCTION INSPECTOR ASSIGNED TO THE PROJECT PER NASSAU COUNTY ORDINANCE 99-17 SECTION 7.2.
6. ALL WORK SHALL BE PERFORMED IN A SAFE MANNER. ALL SAFETY RULES AND GUIDELINES OF O.S.H.A. SHALL BE FOLLOWED. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ANY INJURIES TO HIS EMPLOYEES AND ANY DAMAGE TO PRIVATE PROPERTY OR PERSONS DURING THE COURSE OF THIS PROJECT.
7. PER NASSAU COUNTY ROADWAY AND DRAINAGE STANDARDS, ORDINANCE 99-17 SECTION 11.8.1, ANY DISTURBED AREAS WITHIN NASSAU COUNTY RIGHT-OF-WAY SHALL BE SODDED.
8. PER NASSAU COUNTY ROADWAY AND DRAINAGE STANDARDS, ORDINANCE 99-17 SECTION 7.4.1, AT THE TIME OF FINAL INSPECTION, SODDING TO BE ONE HUNDRED PERCENT COVERAGE AND STABILIZED.
9. ENGINEER OF RECORD APPROVED SHOP DRAWINGS SHALL BE PROVIDED TO NASSAU COUNTY CONSTRUCTION INSPECTOR A MINIMUM OF ONE WEEK BEFORE BEGINNING STRUCTURE INSTALLATION.
10. THE CONTRACTOR IS THE SINGLE RESPONSIBLE PARTY FOR THE PROPER IMPLEMENTATION OF AN EROSION PROTECTION SEDIMENT CONTROL (EPSC) PLAN FOR CONSTRUCTION SITE. THIS INCLUDES THE RESPONSIBILITY FOR THE ACTIONS/INACTIONS OF EMPLOYEES, SUBCONTRACTORS, AND/OR SUPPLIERS.
11. THE CONTRACTOR SHALL COMPLY WITH CURRENT FLORIDA ACCESSIBILITY STANDARDS FOR ALL WORK ON THIS PROJECT.
12. ALL WATER, SEWER, AND STORM WATER CONSTRUCTION WITHIN NASSAU COUNTY ROW SHALL BE ACCOMPLISHED BY AN UNDERGROUND UTILITY CONTRACTOR LICENSED UNDER THE PROVISIONS OF CHAPTER 409 OF THE FLORIDA STATUTES.
13. NO WORK SHALL BE PERMITTED BETWEEN THE HOURS OF 7:00PM - 7:00AM WITHOUT PRIOR APPROVAL FROM NASSAU COUNTY ENGINEERING SERVICES.
14. ALL TREES REQUIRED TO BE PROTECTED SHALL BE FLAGGED BY CONTRACTOR FOR PROTECTION PRIOR TO CLEARING.
15. ALL GRADING AND PLACEMENT OF COMPACTED FILL SHALL BE IN ACCORDANCE WITH THE LATEST FDOT STANDARD SPECIFICATIONS.
16. ANY DAMAGES (SIDEWALK, CURB, ASPHALT, DITCH GRADING, ET CETERA) WITHIN PUBLIC RIGHT-OF-WAY SHALL BE REPAIRED OR REPLACED IN ACCORDANCE WITH NASSAU COUNTY SPECIFICATIONS. PROPOSED REPAIR METHOD SHALL BE APPROVED BY NASSAU COUNTY ENGINEERING SERVICES.
17. ANY ASPHALT MILLINGS FROM NASSAU COUNTY ROW SHALL BE DELIVERED TO THE ROAD DEPARTMENT LAYDOWN YARD LOCATED ON GENE LASSERRE BOULEVARD OR PEA FARM ROAD. PLEASE CONTACT THE ROAD DEPARTMENT AT (904) 530-6175.
18. PER NASSAU COUNTY ORDINANCE 99-17 SECTION 7.4.2 AND 7.4.4, AS-BUILT DRAWINGS SHALL BE SUBMITTED TO NASSAU COUNTY AT THE TIME OF FINAL INSPECTION SCHEDULING. AS-BUILTS SUBMITTALS WILL BE IN ACCORDANCE WITH NASSAU COUNTY AS-BUILT REQUIREMENT CHECKLIST. AS-BUILT DRAWINGS SHALL BE CERTIFIED BY REQUIRED LICENSED SURVEYOR AND APPROVED BY ENGINEER OF RECORD.
19. ALL SUPERELEVATION TRANSITIONS ROTATE ABOUT THE PGL.
20. PROTECT AND RETAIN MEMORIAL LOCATIONS. SHOULDER AND DITCH SLOPE TO BE MODIFIED PER PLANS AND MEMORIALS TO BE REPLACED IN EXISTING LOCATIONS.
21. CONTRACTOR TO COORDINATE WITH HOMEOWNERS REGARDING REMOVAL OF MAILBOXES. ALL MAILBOXES IMPACTED BY CONSTRUCTION TO BE REMOVED AND REPLACED WITH A NEW MAILBOX PER FDOT STANDARD PLAN INDEX 110-200.
22. IF DISPOSAL OF EXISTING FULL DEPTH RECLAMATION MATERIAL BY THE CONTRACTOR IS NECESSARY, THE CONTRACTOR SHALL COORDINATE WITH NASSAU COUNTY FOR THE DELIVERY OF THE MATERIAL. DELIVERY OF THIS MATERIAL, IF PROVIDED, WILL BE AT NO ADDITIONAL COST.
23. CEI SHALL PROVIDE DOOR KNOCKER DOCUMENTS OR EQUIVALENT FOR EACH PHASE OF THIS PROJECT TO MITIGATE CITIZEN CALLS. DOOR KNOCKERS SHALL BE APPROVED BY NASSAU COUNTY PRIOR TO DISTRIBUTION.
24. EOR APPROVAL NEEDED FOR ALL NON-RCP PIPE MATERIALS USED FOR SIDE DRAINS.
25. CONTRACTOR SHALL PROVIDE A HURRICANE / DISASTER PLAN AT PRE CONSTRUCTION MEETING.
26. CONTRACTOR SHALL ADHERE TO NASSAU COUNTY'S ROAD CLOSURE POLICY.
27. CONTRACTOR SHALL NOT STORE ANY MATERIALS OR EQUIPMENT IN THE COUNTY'S RIGHT OF WAY WITHOUT PRIOR AUTHORIZATION.
28. ACCESS TO ALL SIDE STREETS, BUSINESSES, EASEMENTS, AND RESIDENTIAL PROPERTIES SHALL BE MAINTAINED.
29. CONTRACTOR REQUIRED TO VIDEO THE ENTIRE LIMITS OF THE JOB PRIOR TO CONSTRUCTION ACTIVITIES COMMENCE. VIDEO SHALL BE SUBMITTED TO NASSAU COUNTY FOR APPROVAL AT OR PRIOR TO PRECONSTRUCTION MEETING.

GENERAL NOTES (CONT.):

31. ANY SURVEY MARKERS, INCLUDING BUT NOT LIMITED TO SECTION MARKERS, BENCHMARKS, LOT CORNERS, ETC., WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE PRIOR TO FINAL PAYMENT. RESETTING OF MONUMENTS AND MARKERS SHALL BE PERFORMED BY A PROFESSIONAL LAND SURVEYOR, LICENSED TO PRACTICE IN THE STATE OF FLORIDA.
32. SEE TOPOGRAPHIC SURVEY, DATED 07/23/2024, PREPARED BY SAM SURVEYING AND MAPPING, LLC, FOR SURVEY INFORMATION AND NOTES.
33. A REPORT OF THE ROADWAY SOIL SURVEY, DATED 11/01/2023, PREPARED BY ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC, IS ON FILE WITH THE COUNTY AND IS AVAILABLE FOR REVIEW UPON REQUEST. ADDITIONAL TEST BORINGS AND EXPLORATORY INVESTIGATIONS MAY BE MADE BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.
34. ALL STATIONS AND OFFSETS ARE REFERENCED TO CENTERLINE OF CONSTRUCTION.
35. PRIOR TO OPERATING OUTSIDE THE RIGHT OF WAY, THE CONTRACTOR SHALL GIVE PROPER NOTIFICATION AND OBTAIN WRITTEN PERMISSION FROM THE OWNER OF EACH PARTICULAR PROPERTY.
36. EXISTING DRIVEWAY APRONS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AS SHOWN IN THE PLANS. CONTRACTOR TO OBTAIN CEI APPROVAL FOR MATERIAL AND AREA NEEDED PRIOR TO INSTALLING DRIVEWAY TIE IN TO EXISTING DRIVEWAY. MATERIAL USED FOR TIE TO EXISTING DRIVEWAY SHALL MATCH THE EXISTING DRIVEWAY MATERIAL. DO NOT EXCEED EXISTING DRIVEWAY GRADE BREAKS.
37. THESE PLANS REFLECT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT THAT ACTUAL CONDITIONS PREVENT THE APPLICATION OF THESE PLANS AND SPECIFICATIONS IN THE PROSECUTION OF THE WORK, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE COUNTY PRIOR TO FURTHER CONSTRUCTION ACTIVITY.
38. THE ENGINEER OF RECORD SHALL BE THE SOLE INTERPRETER OF THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS AND SHALL RENDER WRITTEN OR GRAPHIC INTERPRETATIONS AS NECESSARY FOR THE PROPER EXECUTION OR PROGRESS OF THE WORK WITH REASONABLE PROMPTNESS ON REQUEST OF THE CONTRACTOR.
39. HOUSE NUMBERS INCLUDED IN PLANS (#XXXX) ARE FOR REFERENCE ONLY AND HAVE NOT BEEN FIELD VERIFIED.
40. NO BURNING OR DISPOSAL OF DEBRIS SHALL BE ALLOWED WITHIN NASSAU COUNTY RIGHTS OF WAY.

STORMWATER DRAINAGE NOTES:

1. ALL STORMWATER DRAINAGE FACILITIES WITHIN PUBLIC RIGHT-OF-WAY AND PAVED AREAS, INCLUDING NASSAU COUNTY RIGHT-OF-WAY, TURN LANES, RESIDENTIAL ROADWAYS, DRIVE AISLES FOR MULTI-FAMILY DEVELOPMENTS, AND MAJOR DRIVE AISLES FOR COMMERCIAL DEVELOPMENTS SHALL BE LASER PROFILED PER FDOT SECTION 430.
2. A CONTRACTOR CANNOT MODIFY THE COUNTY'S STORM WATER MANAGEMENT SYSTEM INCLUDING THE PIPES, INLETS, AREA DRAINS, DITCHES AND RELATED ELEMENTS TYPICALLY WITHIN THE STREET OR WITHIN A DRAINAGE EASEMENT WITHOUT THE PRIOR WRITTEN APPROVAL OF THE COUNTY ENGINEER OR DESIGNEE.
3. DRAINAGE EASEMENTS AND DITCHES SHOULD REMAIN FREE OF STOCKPILED SOIL, SEDIMENT, MUD, CONSTRUCTION MATERIALS/WASTE, ET CETERA AT ALL TIMES. POSITIVE STORMWATER FLOW MUST BE MAINTAINED THROUGHOUT CONSTRUCTION.
4. THE CONTRACTOR SHALL TEMPORARILY OR PERMANENTLY STABILIZE BARE SOIL AREAS AND SOIL STOCKPILES WHEN THE AREA IS INACTIVE FOR FOURTEEN DAYS OR MORE OR HAS REACHED FINISHED GRADE.
5. PER ORDINANCE 99-17 SECTION 11.11.5.4, ALL GRAVITY FLOW PIPE INSTALLATIONS SHALL HAVE A SOIL TIGHT JOINT PERFORMANCE UNLESS SPECIFIC SITE FACTORS WARRANT WATERTIGHT JOINT PERFORMANCE.
6. PER ORDINANCE 99-17 SECTION 10.6.5.2, IF SEDIMENTATION OCCURS TO OFF-SITE AREAS ALL WORK SHALL CEASE, SILTATION HALTED, AND THE AREA IMMEDIATELY RESTORED OR STABILIZED.
7. PER 99-17 SECTION 10.1.2.A-E, STORMWATER MANAGEMENT FOR A PROJECT SHALL NOT HAVE ADVERSE EFFECTS ON ADJACENT PROPERTIES, DOWNSTREAM STRUCTURES, OR RIGHTS OF OTHER LANDOWNERS.
8. AREAS REQUIRING DEWATERING ARE EXPECTED WITHIN THE PROJECT LIMITS. DEWATERING OPERATIONS SHALL BE PERFORMED ACCORDING TO FDOT STANDARD SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING DEWATERING PLANS AND OBTAINING DEWATERING PERMITS. ALL COSTS FOR DEWATERING OPERATIONS ARE INCIDENTAL TO EARTHWORK ITEMS.
9. ALL COSTS ASSOCIATED WITH TEMPORARY NON-CRITICAL SHEET PILING NOT SHOWN IN THE PLANS, IF NEEDED TO PERFORM EXCAVATIONS AND FACILITATE DEWATERING, SHALL BE INCIDENTAL TO THE PAY ITEM FOR THE CONSTRUCTION OF THE PROPOSED CULVERT STRUCTURES.
10. CONTRACTOR TO REMOVE EXISTING PIPE AS NECESSARY TO INSTALL MITERED END SECTION AS NOTED IN THE PLANS.

NO.	REVISIONS	DATE	BY

Kimley»Horn

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LICENSED PROFESSIONAL
JESSICA NOVAK P.E.
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DRAWN BY —
CHECKED BY —

FLORIDA

GENERAL NOTES

CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER
4

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EXISTING UTILITY NOTES

1 THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE

2 THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED UTILITIES SHALL REMAIN UNLESS OTHERWISE NOTED

3 THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH SUNSHINE STATE ONE CALL OF FLORIDA (1-800-432-4770) AND UTILITY OWNERS LISTED ON THE COVER SHEET AT LEAST TWO BUSINESS DAYS (OR 10 DAYS IF DIGGING UNDER WATER) IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE

4 CONTRACTOR SHALL ADJUST ALL UTILITY LIDS AND COVERS TO FINISHED GRADE AS REQUIRED COST IS INCIDENTAL TO THE PROJECT

5 IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PRODUCE, SUBMIT AND OBTAIN APPROVAL OF THE REPRODUCIBLE AS-BUILT DRAWINGS FOR ANY JURISDICTIONAL AGENCIES AS MAY BE REQUIRED

PAVING NOTES:

1 A PRE-PAVE MEETING IS REQUIRED PRIOR TO ANY PAVING OPERATIONS WITHIN NASSAU COUNTY ROW, RESIDENTIAL SUBDIVISIONS, OR MULTI-FAMILY DEVELOPMENTS

2 CONTRACTOR SHALL PROVIDE MIX DESIGNS FOR APPROVAL TO NASSAU COUNTY CONSTRUCTION INSPECTOR 48 HOURS PRIOR TO PRE-PAVE MEETING OR PLACEMENT OF CONCRETE

3 CONTRACTOR IS REQUIRED TO HAVE A CERTIFIED QC ASPHALT LEVEL II TECHNICIAN DURING ANY ASPHALT OPERATIONS WITHIN NASSAU COUNTY ROW, RESIDENTIAL SUBDIVISION OR MULTI-FAMILY DEVELOPMENTS

4 ALL BASES SHALL BE PRIMED IN ACCORDANCE WITH ORDINANCE 99-17 SECTION 11 5 2 3, NASSAU COUNTY STANDARD DETAILS, AND FDOT STANDARD SPECIFICATIONS

5 SIGNAGE AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH NASSAU COUNTY STANDARDS, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND FDOT STANDARD PLANS

6 MAINTENANCE OF TRAFFIC (MOT) SHALL BE IN COMPLIANCE WITH FDOT STANDARD INDEX 102 SERIES

7 ALL WORK, MATERIALS, AND TESTING PERFORMED WITHIN NASSAU COUNTY RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE CURRENT REVISION OF NASSAU COUNTY'S ORDINANCE 99-17 AND ALL CURRENT NASSAU COUNTY STANDARD DETAILS

8 REMOVING PAVEMENT MARKINGS WITHIN NASSAU COUNTY ROW SHALL BE
A GRINDING OR HYDRO-BLASTING ON WEATHERED ASPHALT SURFACES
B HYDRO-BLASTING ONLY ON NEW ASPHALT SURFACES
C PAINT BLACKOUT IS PROHIBITED

11 PER ORDINANCE 99-17 SECTION 8 5 5, ANY DAMAGE TO PAVEMENT RESULTING FROM CONSTRUCTION OR PAVEMENT MARKING REMOVAL WITHIN PUBLIC ROW NOT PLANNED AS PART OF THE PROJECT SHALL BE MILLED AND OVERLAID FOR ENTIRE WIDTH OF ROADWAY AND LENGTH OF DAMAGE PLUS 50' IN EACH DIRECTION

12 ALL UNDERGROUND UTILITIES OR APPROPRIATE CONDUIT SLEEVES, THAT ARE TO BE INSTALLED UNDER PAVEMENT MUST BE INSTALLED PRIOR TO PREPARATION OF THE SUBGRADE FOR PAVEMENT

13 SINGLE VERTICAL JOINTS IN ROADWAY CONSTRUCTION SHALL BE AVOIDED IN NASSAU COUNTY RIGHT-OF-WAY USING NASSAU COUNTY STANDARD DETAIL #24

14 ALL DRAINAGE STRUCTURES SHALL HAVE TRAFFIC BEARING GRATES THAT MEET OR EXCEED THE RATING FOR THE FACILITIES EXPECTED TRAFFIC

15 ALL CONCRETE SHALL BE A MINIMUM OF 3000 PSI WITHIN PUBLIC RIGHT-OF-WAY

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REVISIONS

No.	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
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KHA PROJECT 040040005
DATE
NOVEMBER 2024
SCALE AS SHOWN
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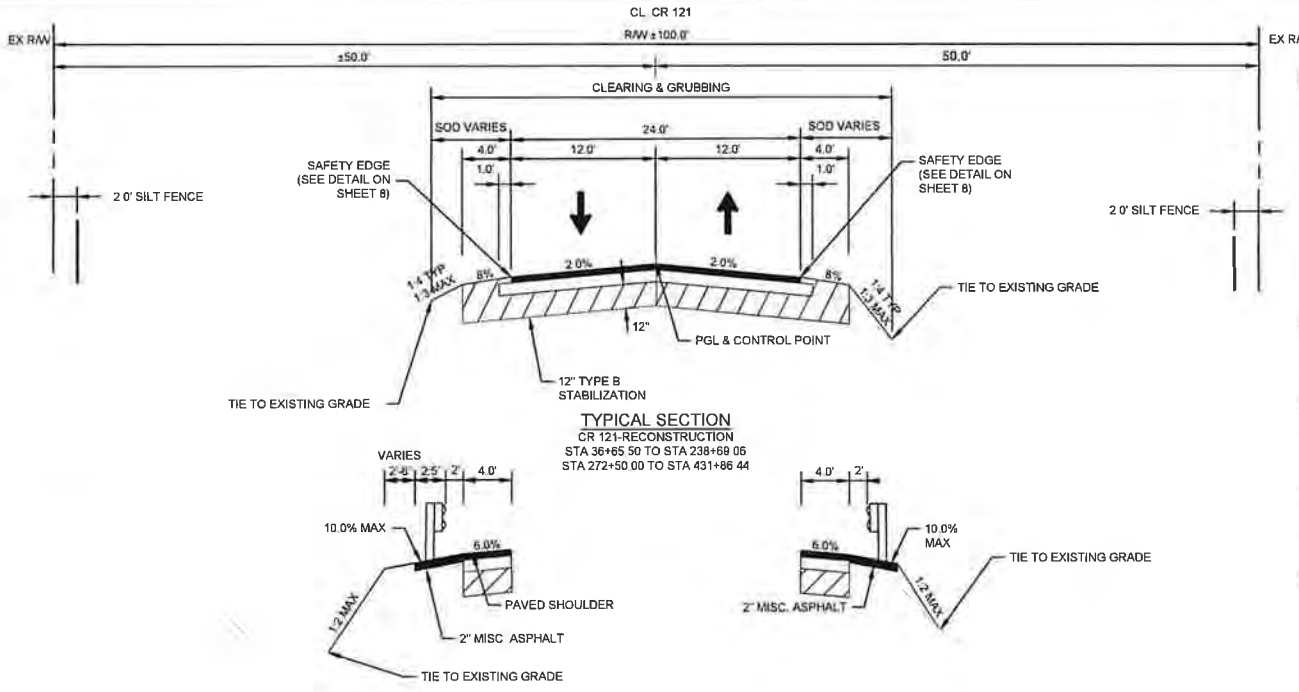
GENERAL NOTES

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
5

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TYPICAL SECTION

CR 121-RECONSTRUCTION
STA 36+65 50 TO STA 238+69 06
STA 272+50 00 TO STA 431+86 44

TYPICAL SECTION NOTES

1 ALL DISTURBED AREAS SHALL BE SODDED
2 MILLING DEPTH MAY EXPOSE EXISTING BASE
3 AREAS OF SEASONAL HIGH GROUNDWATER EXIST WITHIN 2' BELOW TOP OF PAVEMENT.
4 USE SLOPES STEEPER THAN 4:1 ONLY IN AREAS WHERE EXISTING SLOPES ARE STEEPER THAN 4 1
5 SOD MUST BE STAKED IF SLOPE IS STEEPER THAN 3 1

CR 121 RECONSTRUCTION

OPTIONAL BASE GROUP 9 (6" TYPE B-12 5 ONLY)
1 5" TYPE SP STRUCTURAL COURSE (TRAFFIC LEVEL B)(PG 76-22)
1 5" FRICTION COURSE FC 12 5 (TRAFFIC LEVEL B)(PG 76-22)

CR 121-MILLING & RESURFACING

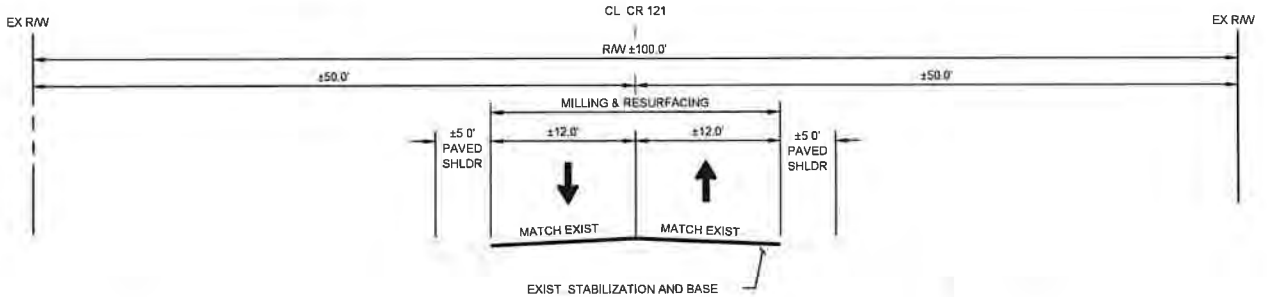
MILL EXISITING PAVEMENT (4" AVG. DEPTH)
2 5" TYPE SP STRUCTURAL COURSE (TRAFFIC LEVEL B)(PG 76-22)
1 5" FRICTION COURSE FC 12 5 (TRAFFIC LEVEL B)(PG 76-22)

PAVED SHOULDER

OPTIONAL BASE GROUP 9 (6" TYPE B-12 5 ONLY)
1 5" TYPE SP STRUCTURAL COURSE (TRAFFIC LEVEL B)(PG 76-22)
1 5" FRICTION COURSE FC 12 5 (TRAFFIC LEVEL B)(PG 76-22)

STOKES ROAD AND CR 119

OPTIONAL BASE GROUP 9 (6" TYPE B-12 5 ONLY)
1 5" TYPE SP STRUCTURAL COURSE (TRAFFIC LEVEL B)(PG 76-22)
1 5" FRICTION COURSE FC 12 5 (TRAFFIC LEVEL B)(PG 76-22)



TYPICAL SECTION

CR 121-MILLING & RESURFACING
STA. 238+69.06 TO STA. 272+50.00 (EXCLUDING BRIDGE)
MILLING & RESURFACING - TRAVEL LANES ONLY

CR 121 TRAFFIC DATA

OPENING YEAR = 2024 AADT=1,398
DESIGN YEAR = 2045 AADT=2,272
K=9 5% D=53 5% T=23%

STA 36+65 50 - STA 337+00 00
DESIGN SPEED= 60 MPH
POSTED SPEED= 55 MPH

STA 337+00 00 - STA 431+86 44
DESIGN SPEED= 50 MPH
POSTED SPEED= 45 MPH

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FLORIDA LICENSE NUMBER 90848
DATE

KHA PROJECT 045046005
DATE NOVEMBER 2024
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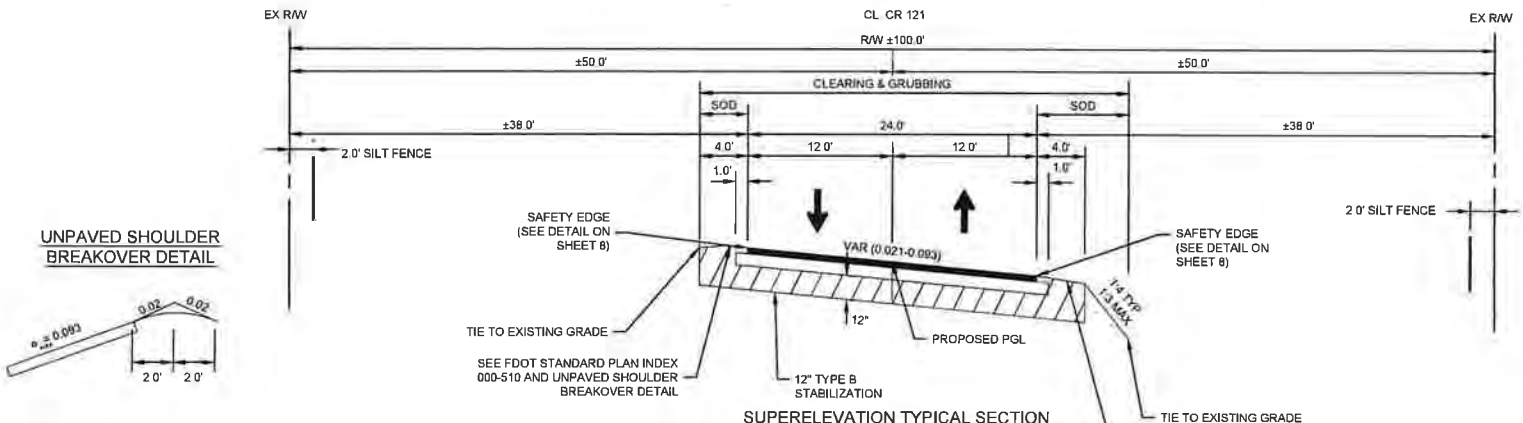
TYPICAL SECTIONS

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

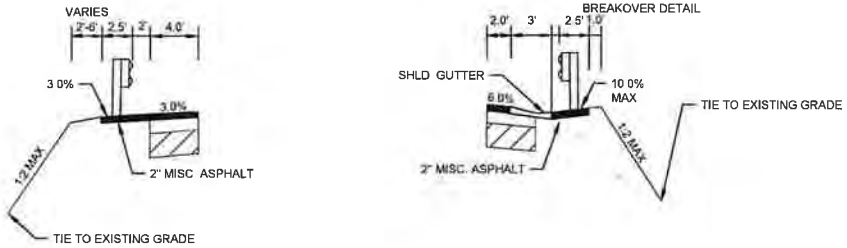
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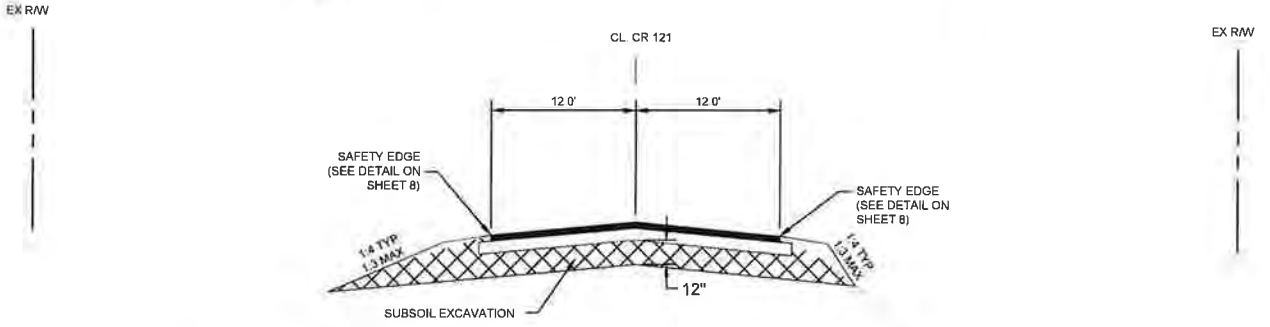
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SUPERELEVATION TYPICAL SECTION
CR 121-RECONSTRUCTION





SUBSOIL EXCAVATION DETAIL
CR 121
STA 67+13.00 TO STA 77+13.00
STA. 92+12.00 TO STA 102+13.00

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JESSICA NOVAK, P.E.
90848

KHA PROJECT
045046005
DATE
NOVEMBER 2024
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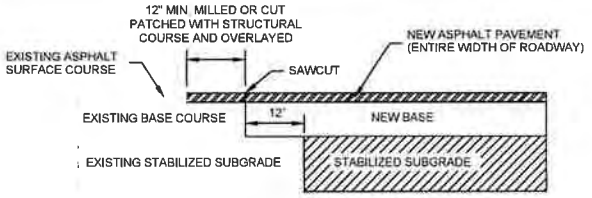
TYPICAL SECTION DETAILS

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

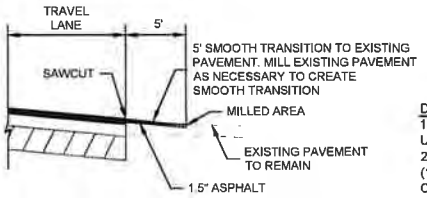
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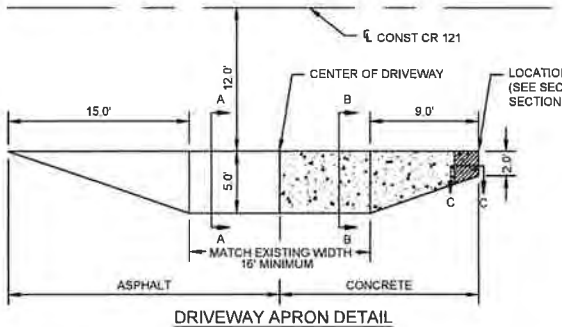
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SAWCUT DETAIL

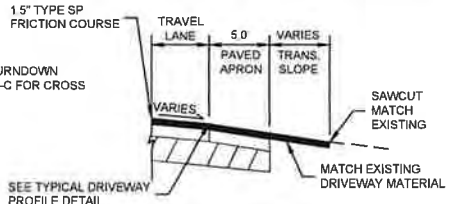


MINOR INTERSECTION TRANSITION DETAIL

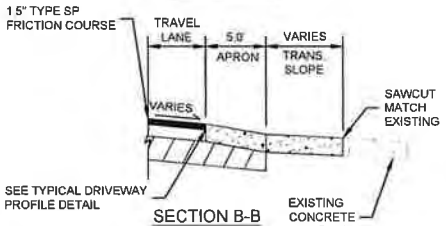


DRIVEWAY APRON DETAIL

DRIVEWAY APRON DETAIL NOTES:
1. DRIVEWAY APRON MATERIAL TO MATCH EXISTING MATERIAL, UNLESS EXISTING IS UNPAVED, MINIMUM TREATMENT SHALL BE ASPHALT.
2. CONCRETE DRIVEWAY APRONS SHALL INCLUDE 6" CONCRETE (3000 PSI), WITH 6X6 W1.4 (10 GAUGE) WELDED WIRE FABRIC AND EXPANSION JOINT BETWEEN NEW AND EXISTING CONCRETE. SQUARE FLARE ENDS TO BE ADDED ADJACENT TO EDGE OF PAVEMENT



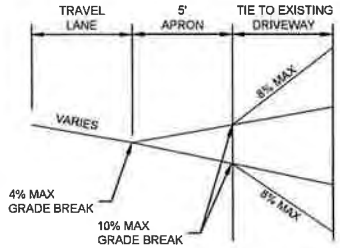
SECTION A-A



SECTION B-B

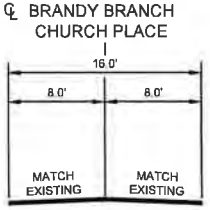
BRANDY BRANCH CHURCH DETAIL



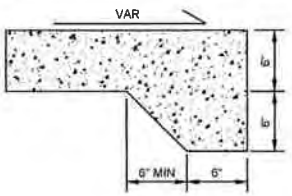


TYPICAL DRIVEWAY PROFILE DETAIL

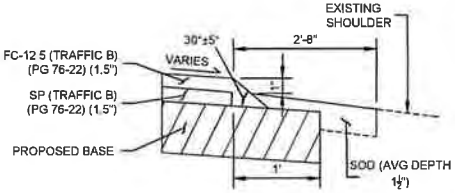
NOTES 1. SEE GENERAL NOTES FOR INFORMATION REGARDING EXISTING DRIVEWAY TIE-IN
2. DRIVEWAY GRADES AND BREAKOVERS TO MATCH EXISTING, IF PRACTICAL. BREAKOVERS SHOWN IN TYPICAL DRIVEWAY PROFILE DETAIL SHALL BE THE MAXIMUM



TYPICAL SECTION
BRANDY BRANCH CHURCH PLACE-PAVING
CR 121 STA. 256+58 OFFSET ±135.56' LT
LENGTH ±380
PAVEMENT: 1.5" SP TRAFFIC B



SECTION C-C



SAFETY EDGE DETAIL*

* CONSTRUCT A PAVEMENT SAFETY EDGE BY ATTACHING A DEVICE TO THE SCREED OF THE PAVER TO CONFINE AND EXTRUDE THE ASPHALT MATERIAL AT THE END GATE TO CREATE A COMPACTED WEDGE SHAPE PAVEMENT EDGE AS DETAILED IN THE PLANS. THE DEVICE SHALL MAINTAIN CONTACT WITH THE ROAD SHOULDER SURFACE AND ALLOW FOR AUTOMATIC TRANSITIONS TO CROSS ROADS, DRIVEWAYS AND OBSTRUCTIONS.

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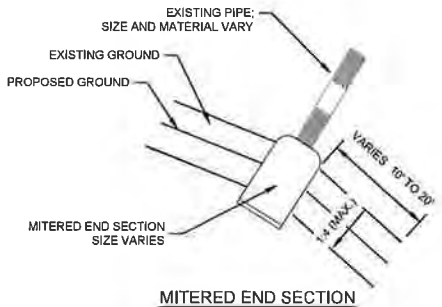
DETAILS

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

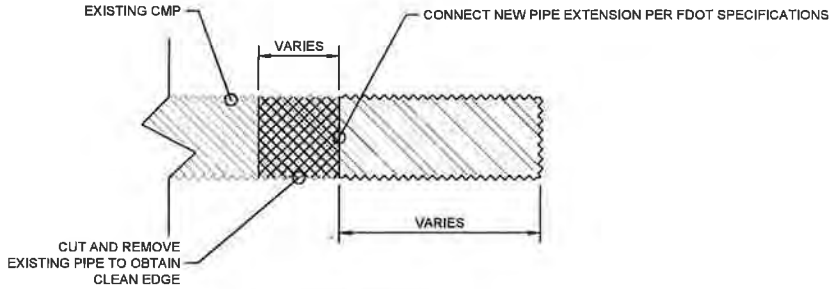
SHEET NUMBER
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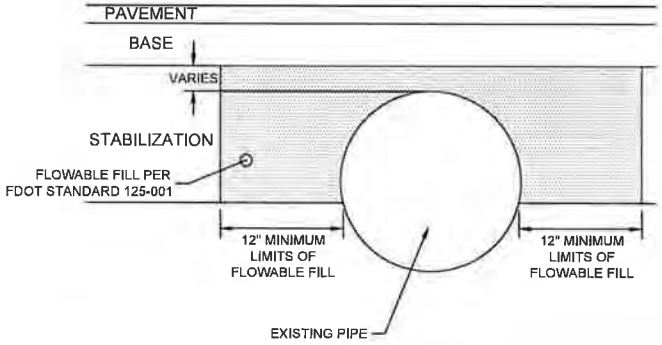
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MITERED END SECTION
TYPICAL GRADING DETAIL



CONNECTION TO EXISTING CMP
TYPICAL DETAIL



RECONSTRUCTION DETAIL FOR PAVEMENT OVER EXISTING SHALLOW CROSS DRAINS

NOTE: DETAIL TO BE USED WHEN TOP OF PIPE IS WITHIN PROPOSED STABILIZATION.

REVISIONS | NO. | DATE | BY

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JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848
DATE

KHA PROJECT
045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

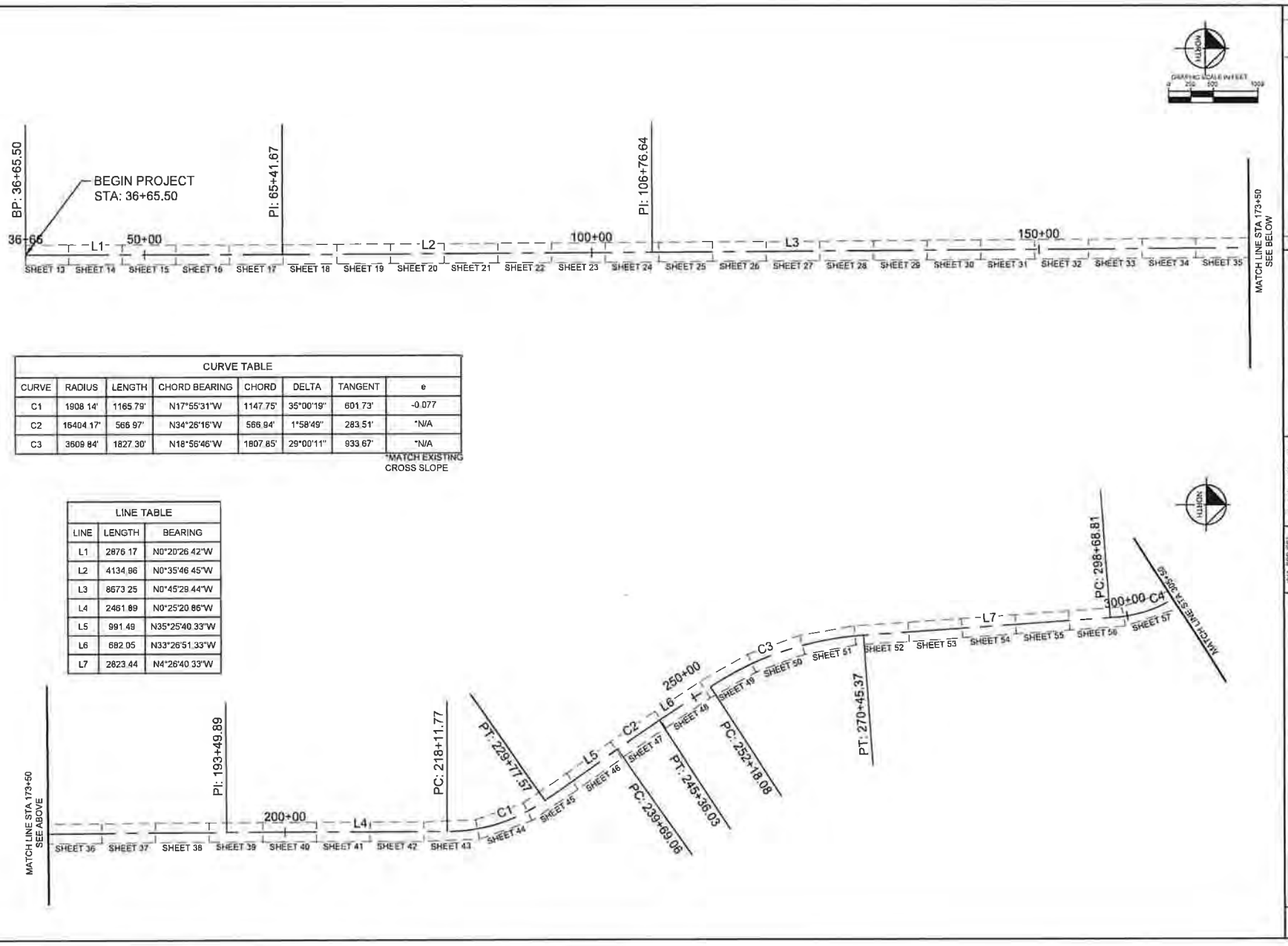
DETAILS

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
9

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CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C1	1908.14'	1165.79'	N17°55'31"W	1147.75'	35°00'19"	601.73'	-0.077
C2	16404.17'	566.97'	N34°26'16"W	566.94'	1°58'49"	283.51'	*N/A
C3	3609.84'	1827.30'	N18°56'46"W	1807.85'	29°00'11"	933.67'	*N/A

*MATCH EXISTING CROSS SLOPE

LINE TABLE		
LINE	LENGTH	BEARING
L1	2876.17	N0°20'26.42"W
L2	4134.86	N0°35'46.45"W
L3	8673.25	N0°45'29.44"W
L4	2461.89	N0°25'20.86"W
L5	991.49	N35°25'40.33"W
L6	682.05	N33°26'51.33"W
L7	2823.44	N4°26'40.33"W

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PHONE: 904-828-3900 FAX: 904-828-3950
WWW.KIMLEY-HORN.COM CERTIFICATE No. 35106

NO.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK P.E.
FLORIDA LICENSE NUMBER
69648
STATE
FLORIDA

KHA PROJECT
045048005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

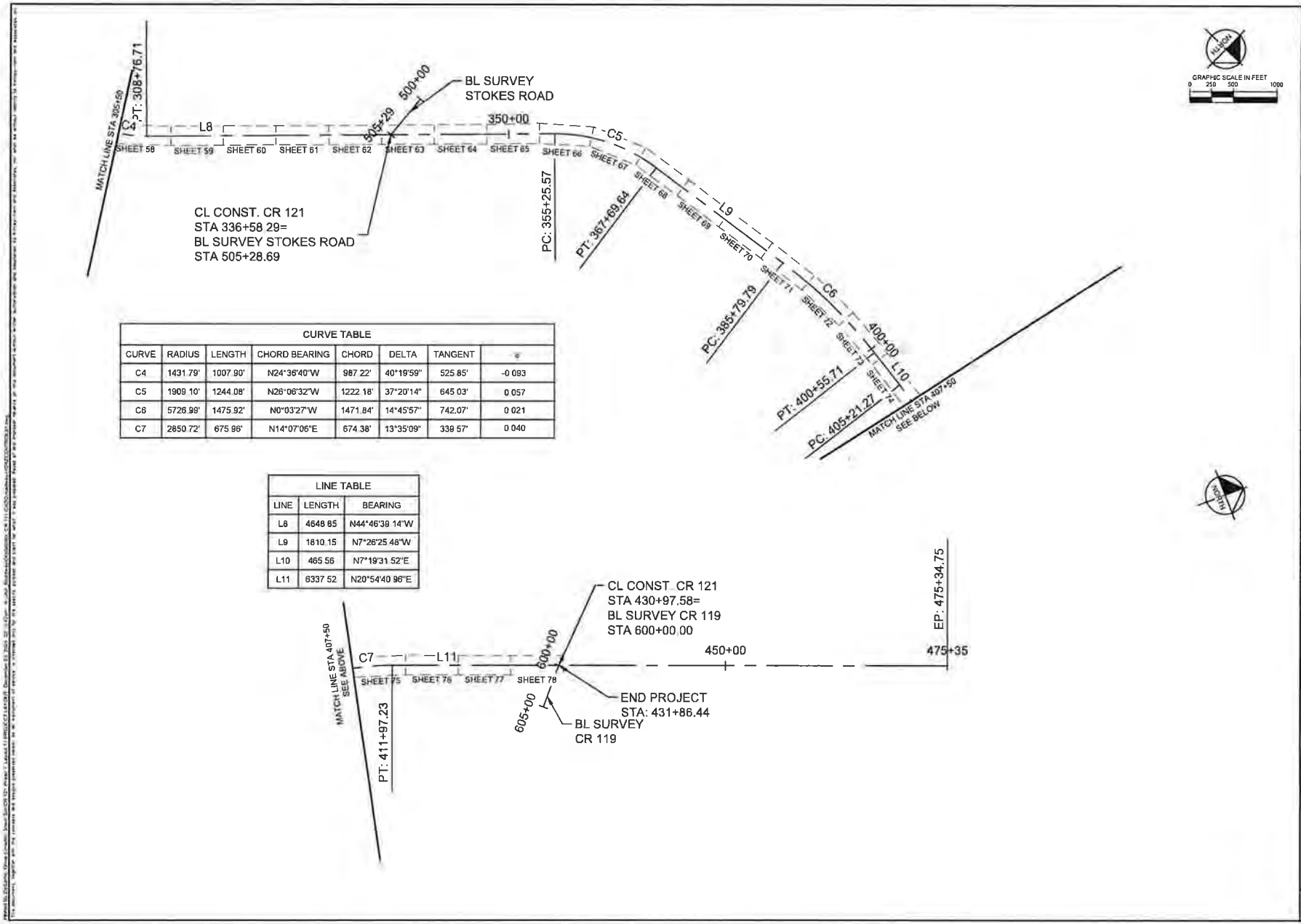
PROJECT LAYOUT

CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER
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PROJECT LAYOUT

CR 121 PHASE I
NASSAU COUNTY
FLORIDA

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11

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HORIZONTAL AND VERTICAL CONTROL

1. PROJECT IS BASED ON NORTH AMERICAN DATUM 1983/2011 (NAD83), FLORIDA STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE (901)
2. BENCHMARK ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88)
3. POSITIONS/COORDINATES FOR BENCHMARKS ARE DERIVED FROM GPS STATIC NETWORK USING THE PREVIOUSLY SAID DATUMS FOR THEIR NORTHING AND EASTING VALUES, AND LATITUDES AND LONGITUDES

STAMPING ID	℄ STATION	OFFSET	ELEVATION (Z)	DESCRIPTION	NORTHING (Y)	EASTING (X)	LATITUDE	LONGITUDE	SCALE FACTOR
B600	N/A	N/A	75.98'	FLANGE-ENCASED ROD STAMPED (B600 2004)	2171412.093	337503.713	N30° 18'09.53869"	W82° 00'35.16941"	1.000057521122
J592	65+50.49	54.91' RT	74.50'	4X4 CMON W/ NGS BRASS DISK STAMPED (J592 2003)	2176973.749	338002.563	N30° 19'04.62716"	W82° 00'30.04298"	1.000057156776
K592	106+51.01	52.41' LT	77.39'	4X4 CMON W/ NGS BRASS DISK STAMPED (K592 2003)	2181072.929	337852.576	N30° 19'45.18411"	W82° 00'32.16981"	1.000057265886
L592	149+09.02	48.89' LT	80.31'	4X4 CMON W/ NGS BRASS DISK STAMPED (L592 2003)	2185330.462	337799.831	N30° 20'27.31678"	W82° 00'33.20376"	1.000057304085
M592	202+59.74	42.06' RT	73.08'	FLANGE-ENCASED ROD STAMPED (M592 2003)	2190681.728	337825.308	N30° 21'20.28103"	W82° 00'33.45657"	1.000057285151
N592	257+00.16	55.42' LT	57.83'	4X4 CMON W/ FDEP BRASS DISK STAMPED (N592 2003)	2195564.685	339859.265	N30° 22'08.43417"	W82° 00'56.39284"	1.000058723436
P592	301+98.32	52.18' RT	73.99'	4X4 CMON W/ FDEP BRASS DISK STAMPED (P592 2003)	2200033.388	335328.288	N30° 22'52.61393"	W82° 01'02.91132"	1.000059113188
Q592	353+42.71	48.26' LT	83.51'	4X4 CMON W/ FDEP BRASS DISK STAMPED (Q592 2003)	2203728.603	331750.457	N30° 23'28.86557"	W82° 01'44.13601"	1.000061758002
R592	413+10.24	40.54' LT	78.01'	FLANGE-ENCASED ROD STAMPED (R592 2003)	2209492.409	331108.505	N30° 24'25.85191"	W82° 01'52.06402"	1.000062235304
FDOT 7494	431+56.21	49.99' LT	79.60'	4X4 CMON W/ FDOT BRASS DISK STAMPED (7494 GPS1)	2211220.163	331758.552	N30° 24'43.00994"	W82° 01'44.82108"	1.000061751477
S592	465+16.27	49.78' LT	79.05'	4X4 CMON W/ FDEP BRASS DISK STAMPED (S592 2003)	2214358.839	332958.035	N30° 25'14.18100"	W82° 01'31.44929"	1.000060861256

No.	REVISIONS	INITIAL	DATE	BY
			10/23/23	AJH

SAM
2866 Folio Avenue, Tallahassee, Florida 32308
Ofc: 850.385.1179 - Email: info@sam.biz
License Business No. 7988

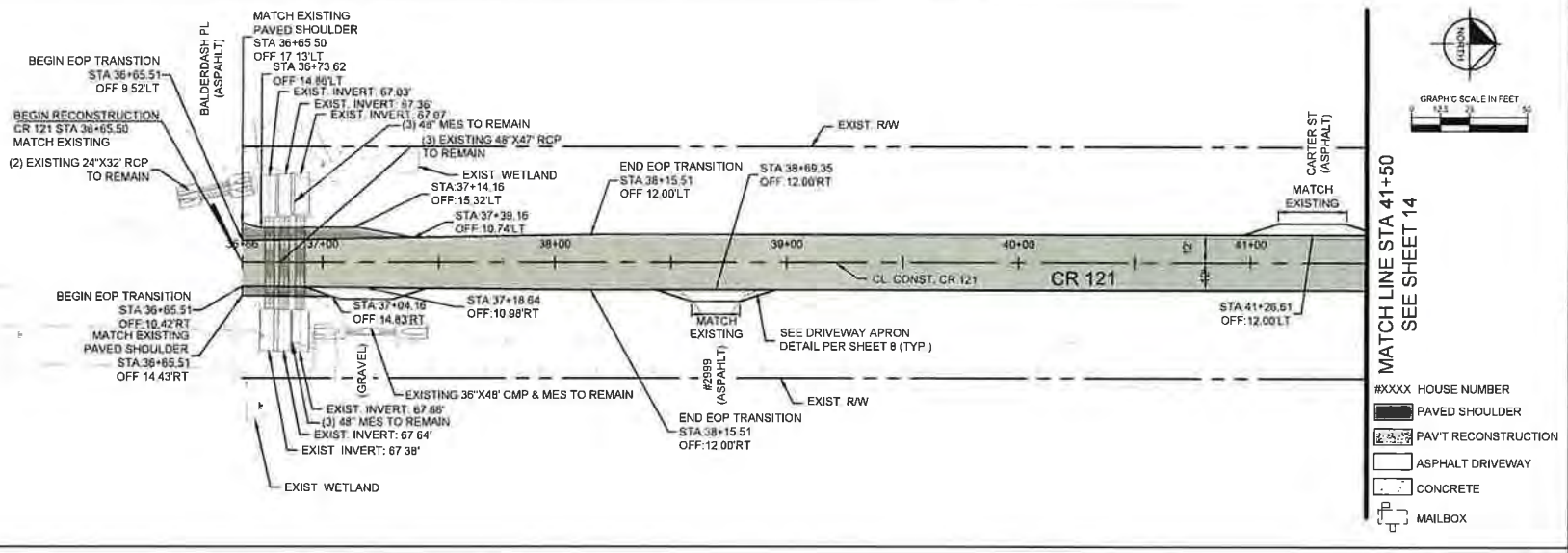
LICENSED PROFESSIONAL: ALFREDO A. BERMUDEZ
FLORIDA LICENSE NUMBER: LS5578
DATE: 10/23/2023

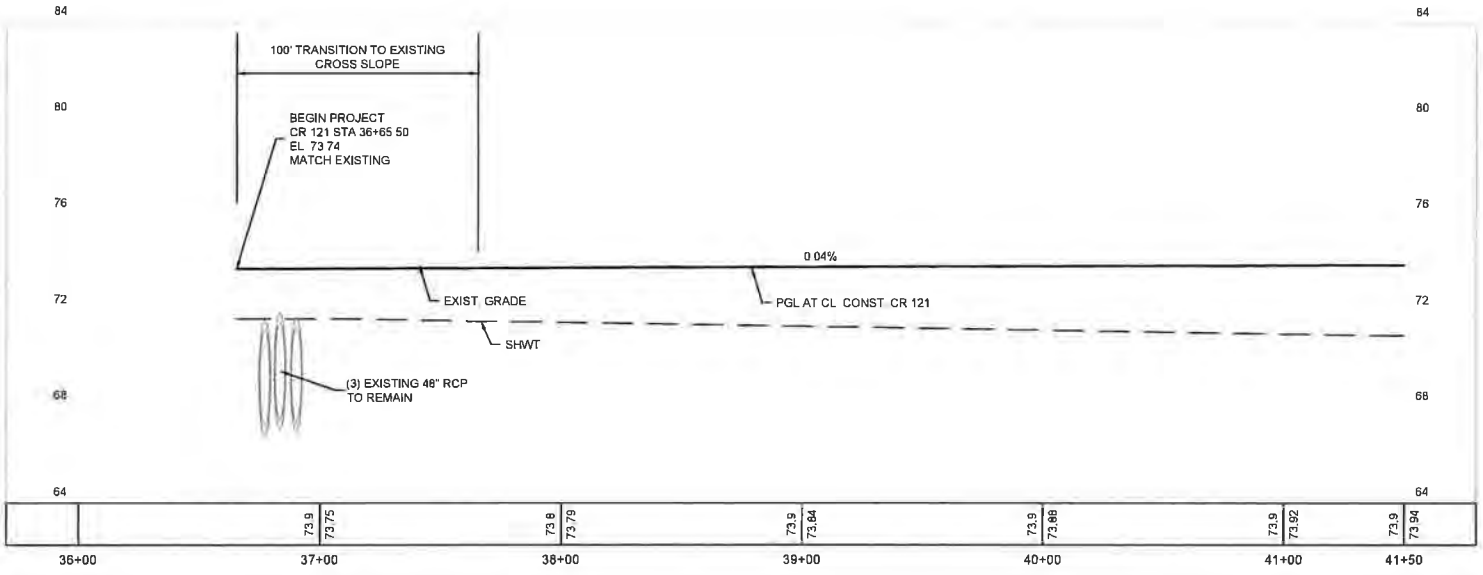
FPN PROJECT: 102072772
DATE: AUGUST 2023
SCALE: AS SHOWN
DESIGNED BY: ——
DRAWN BY: AJH
CHECKED BY: AAB

72772-1 CR-121
PROJECT CONTROL
NASSAU COUNTY FLORIDA

SHEET NUMBER
12

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E





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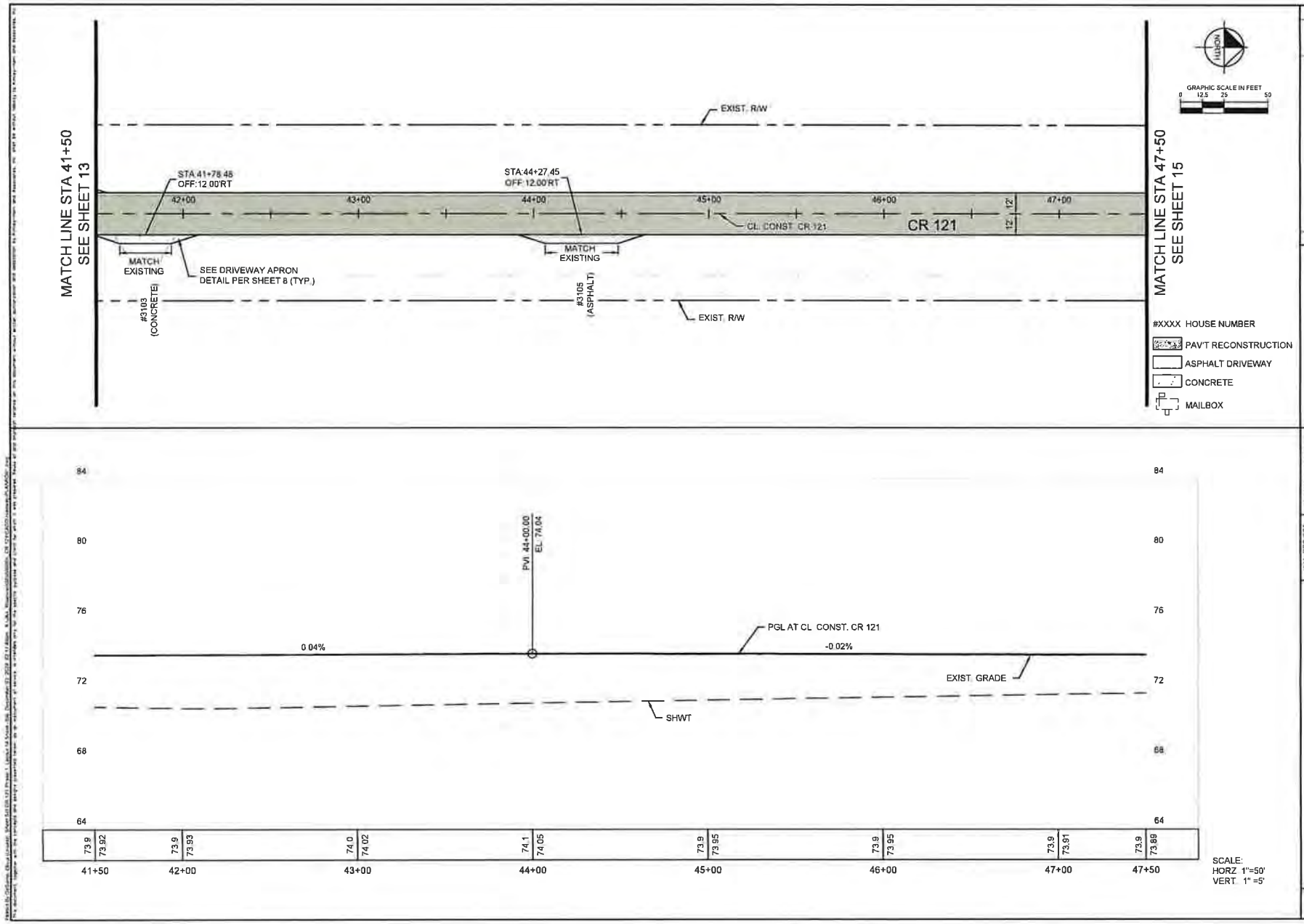
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER 13

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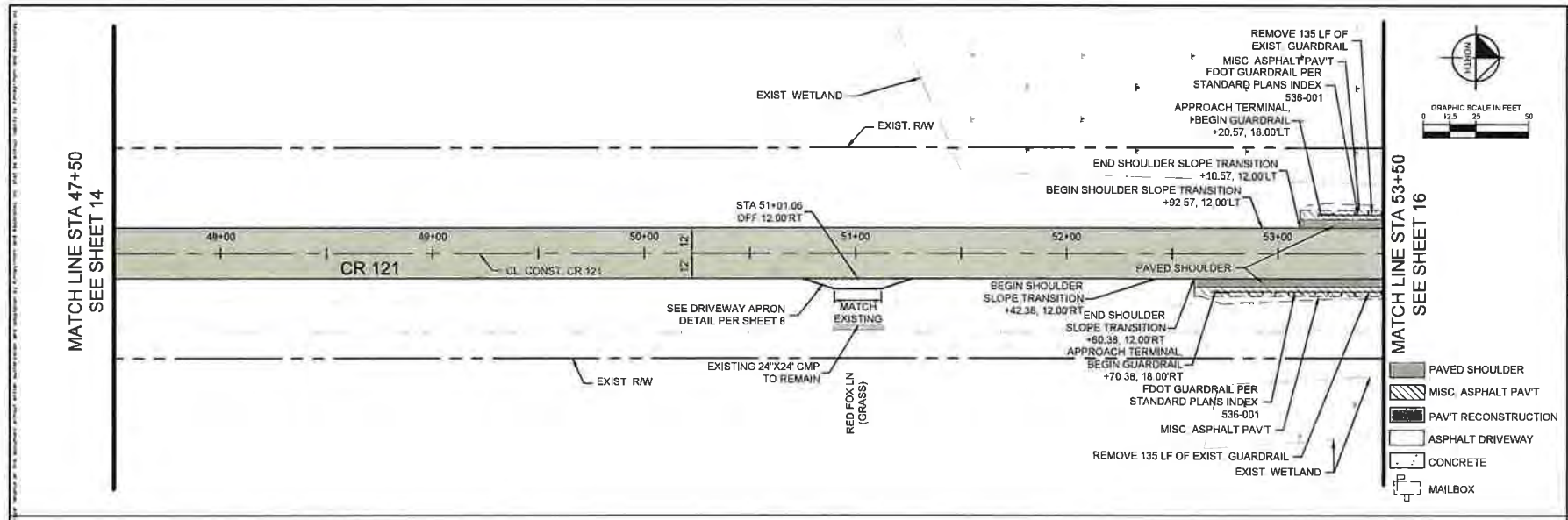
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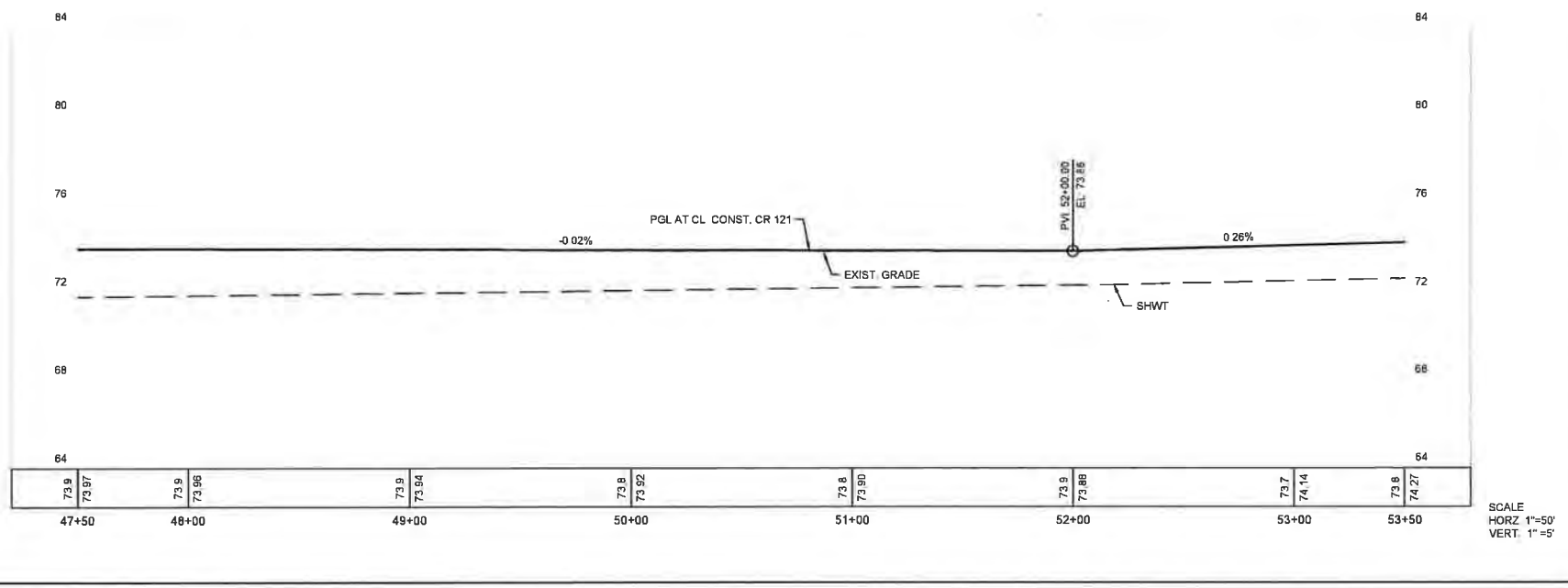
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NASSAU COUNTY
FLORIDA

SHEET NUMBER
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LICENSED PROFESSIONAL
JESSICA NOVAK P.E.
FLORIDA LICENSE NUMBER 90648

KHA PROJECT 045048005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

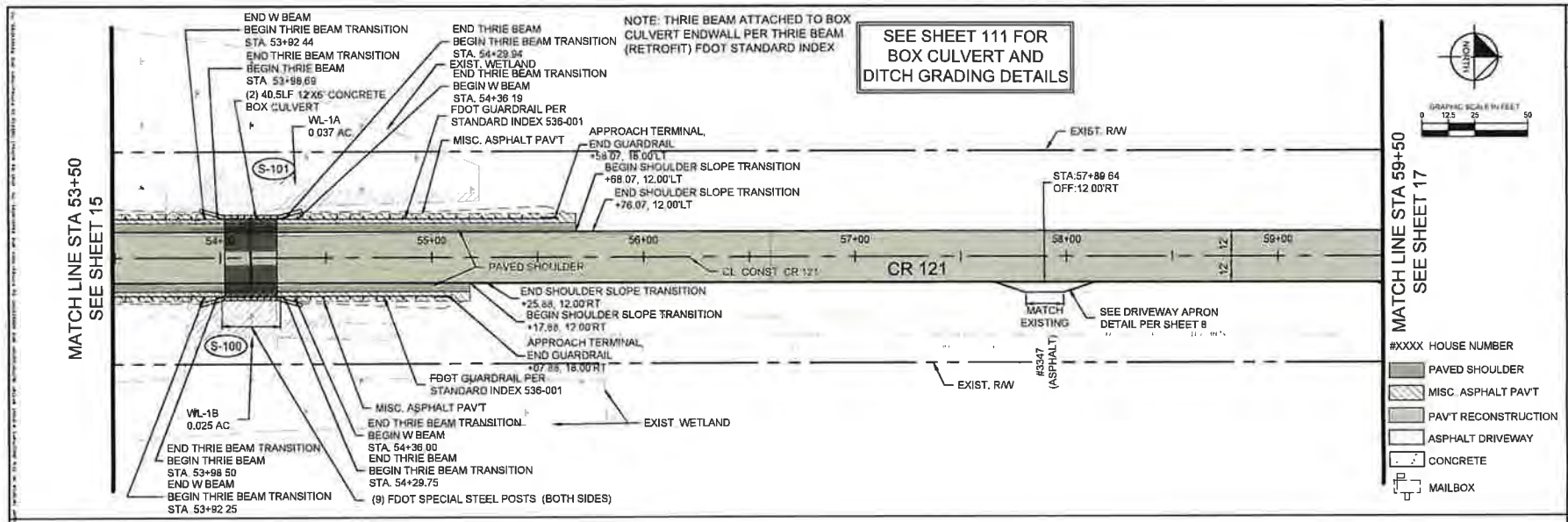
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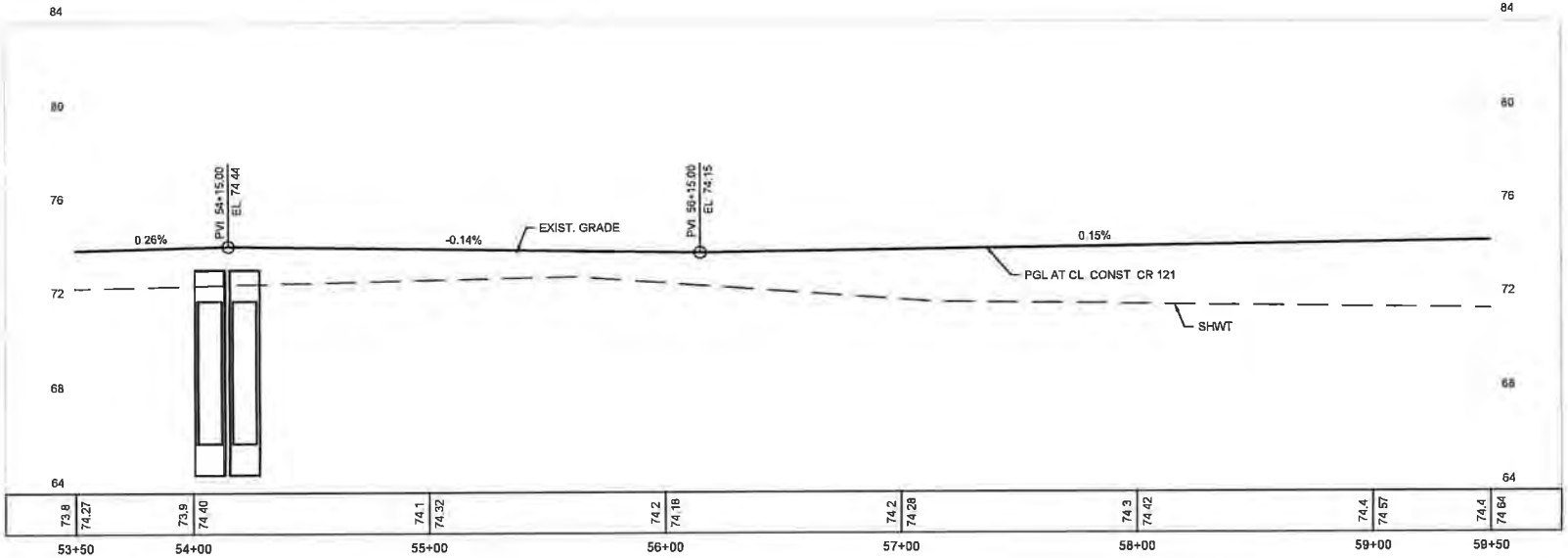
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NASSAU COUNTY, FLORIDA

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VERT. 1" =5'

PLAN AND PROFILE

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NASSAU COUNTY
FLORIDA

SHEET NUMBER
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JACKSONVILLE, FLORIDA 32258
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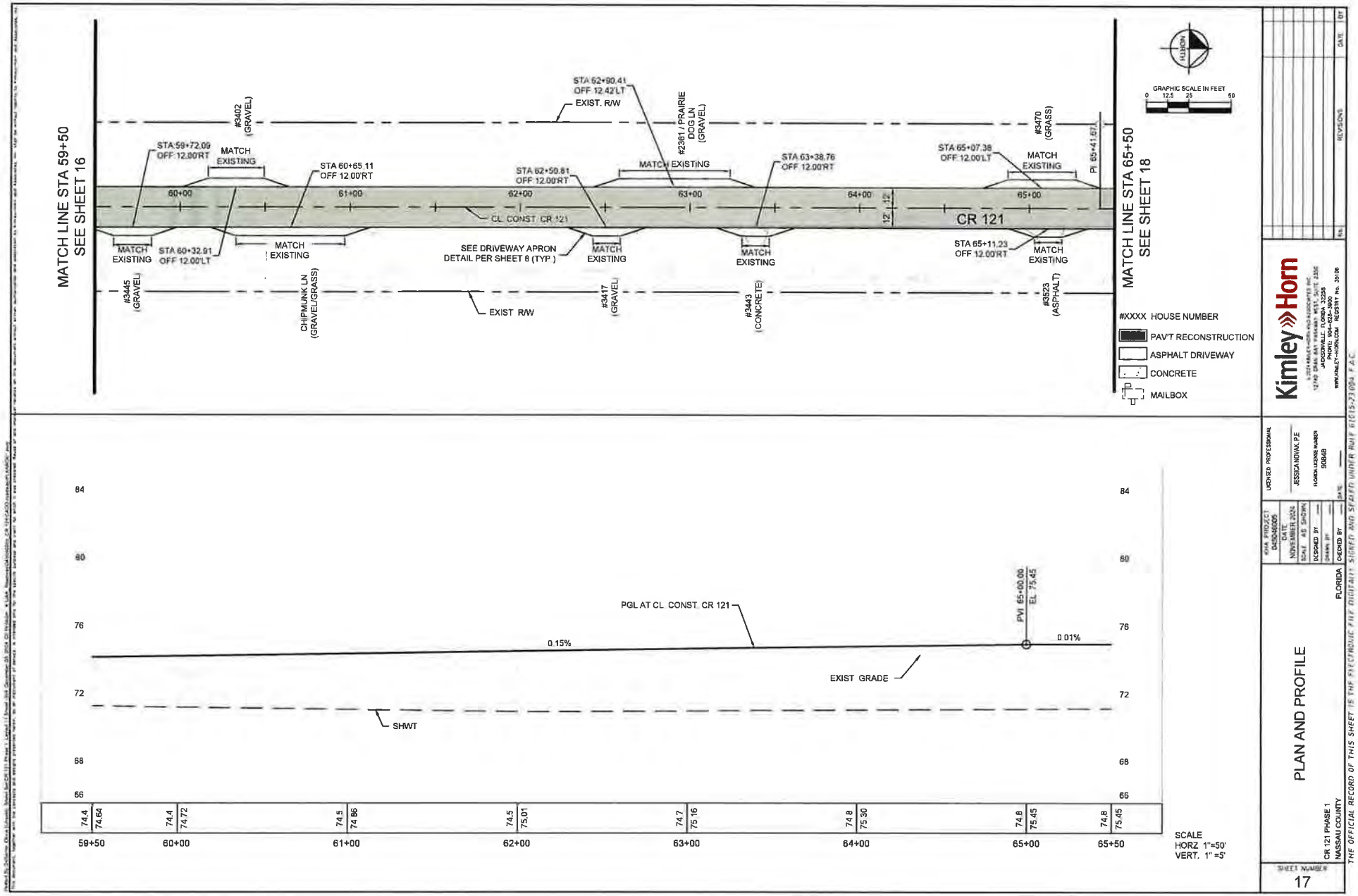
KHA PROJECT
049046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
DECKED BY —

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
LICENSE NUMBER
90848
DATE

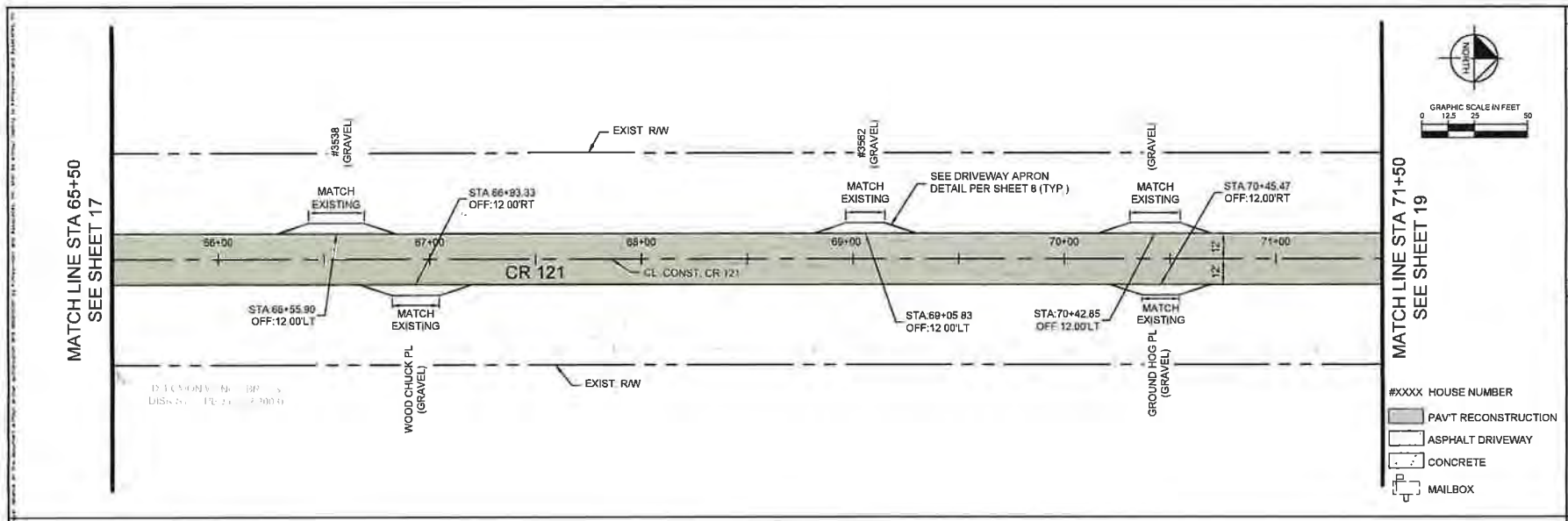
REVISIONS
NO. DATE BY

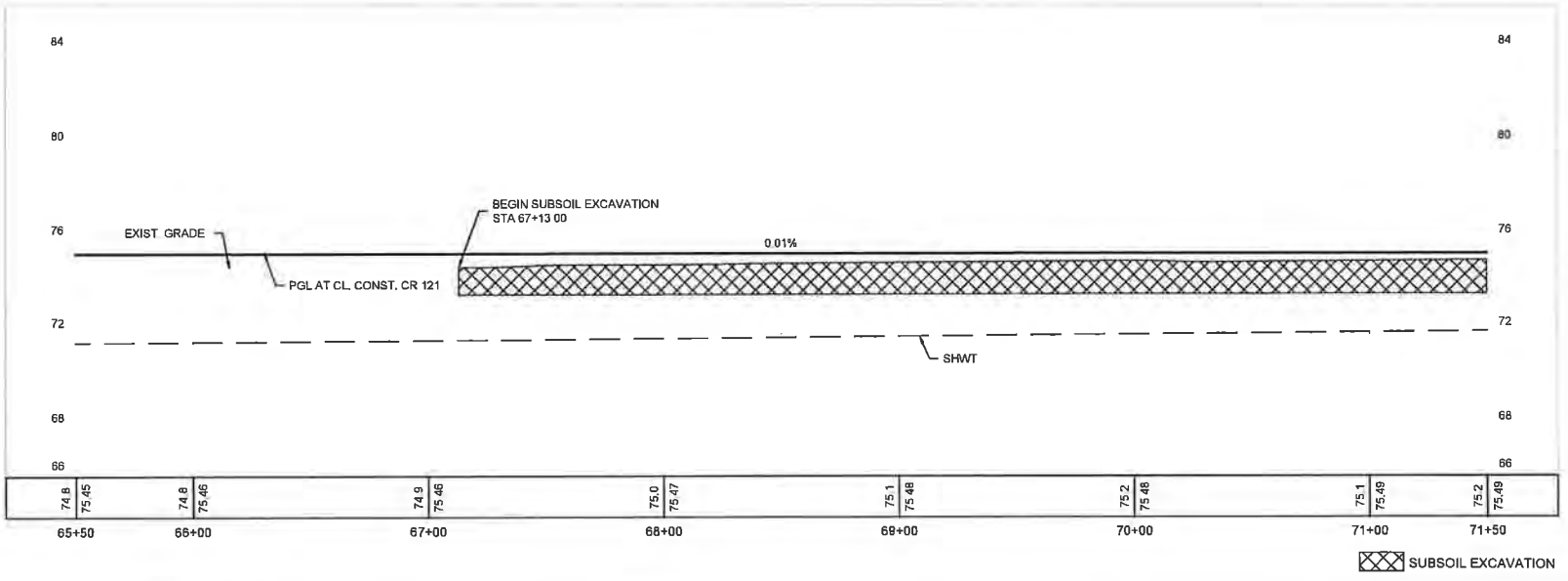
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JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90648
DATE:

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DATE NOVEMBER 2024
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FLORIDA

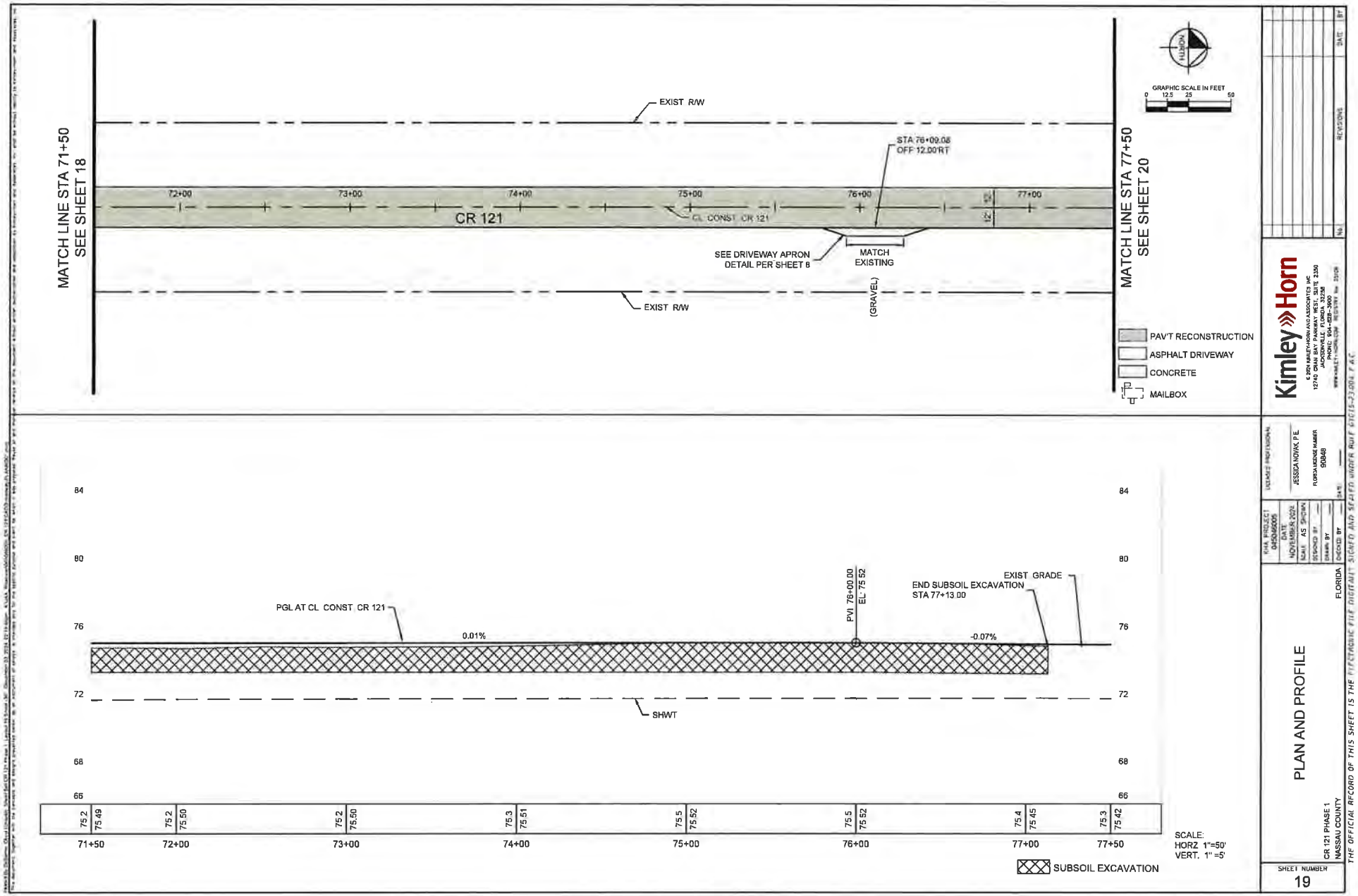
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JACKSONVILLE, FLORIDA 32258

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KHA PROJECT 045046005
DATE NOVEMBER 2021
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848
DATE —

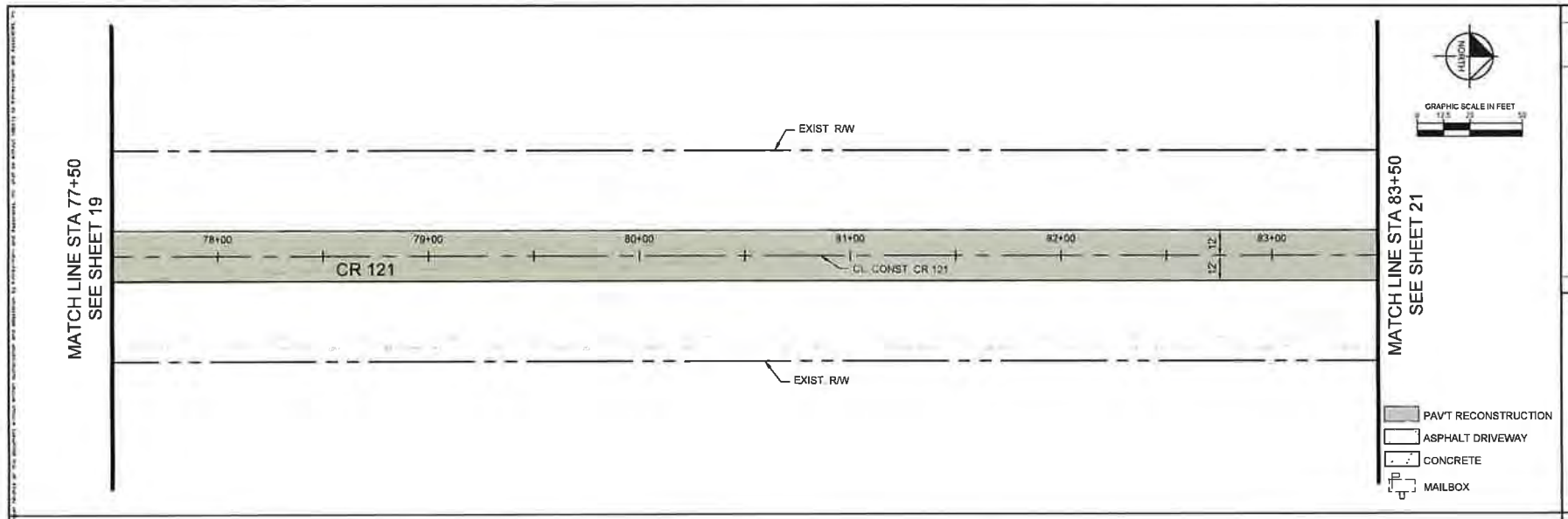
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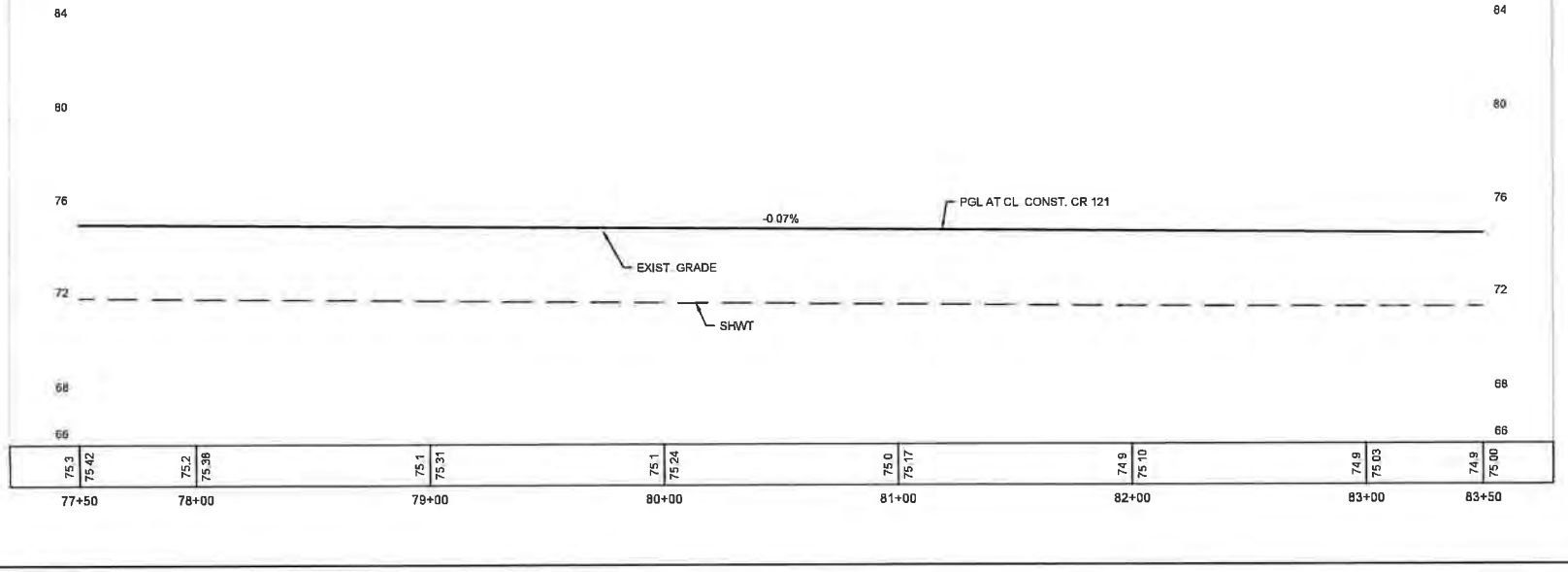
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NASSAU COUNTY
FLORIDA

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19

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SCALE
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No.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848
DATE:

KHA PROJECT
045045005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
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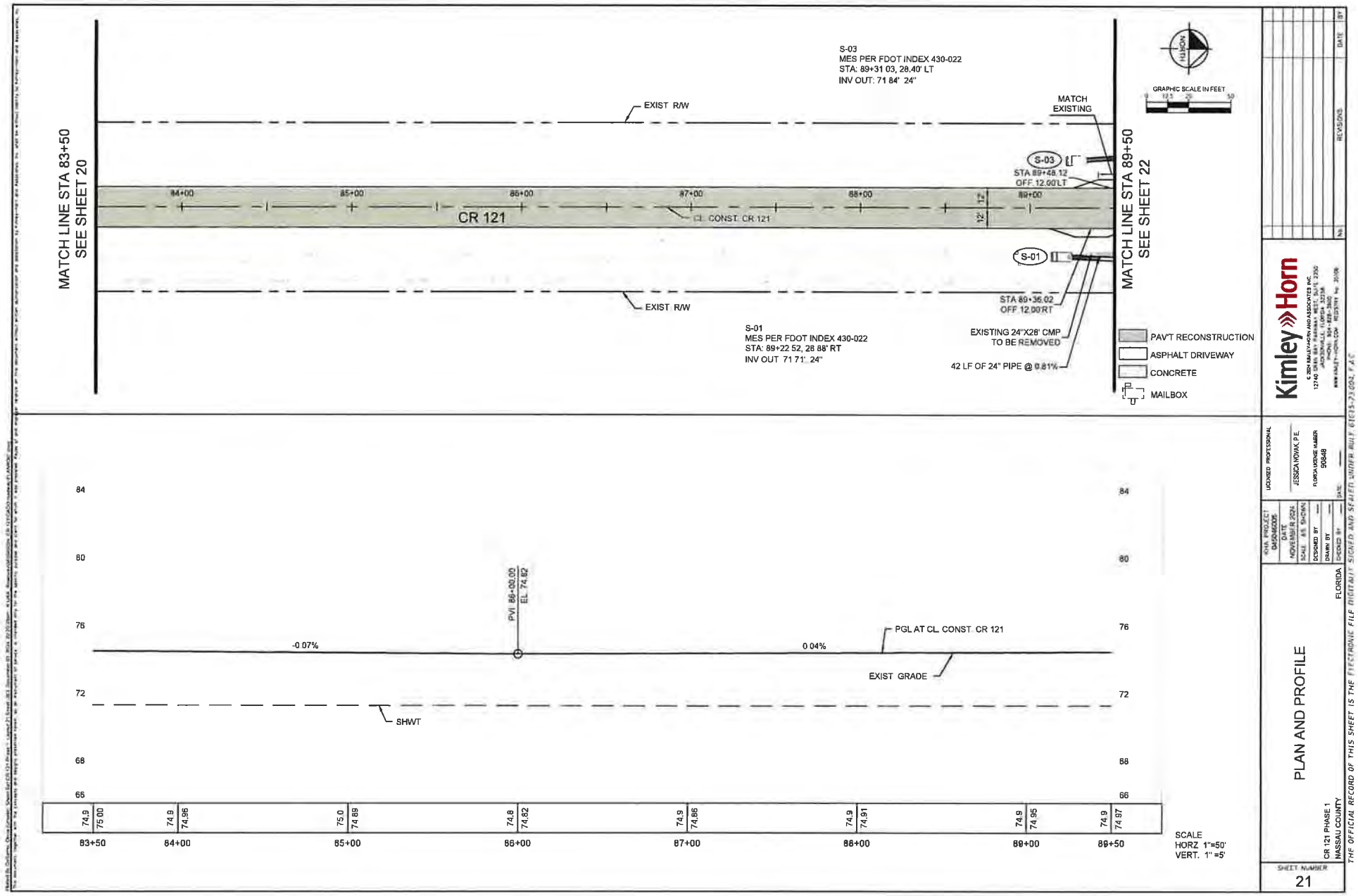
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NASSAU COUNTY

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JESSICA NOVAK P.E.
FLORIDA LICENSE NUMBER 90848
DATE

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

FLORIDA

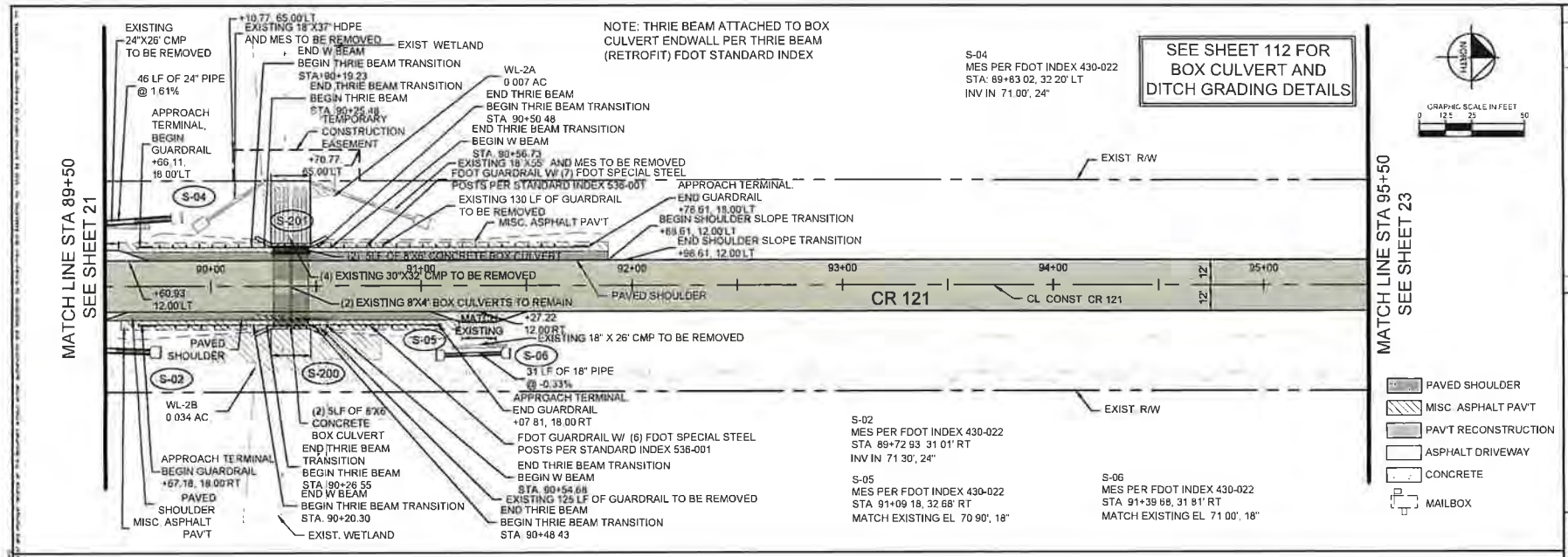
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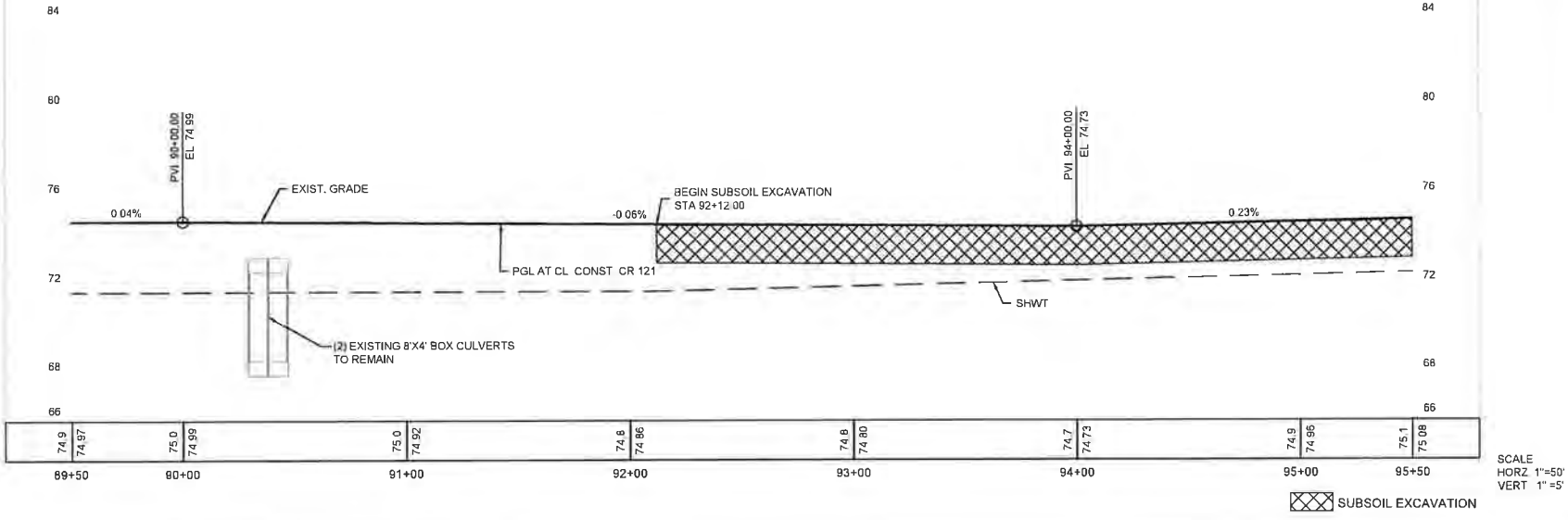
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NASSAU COUNTY

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KHA PROJECT 043046005
DATE NOVEMBER 2020
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

JESSICA NOWAK P.E.
FLORIDA LICENSE NUMBER 90846
DATE —

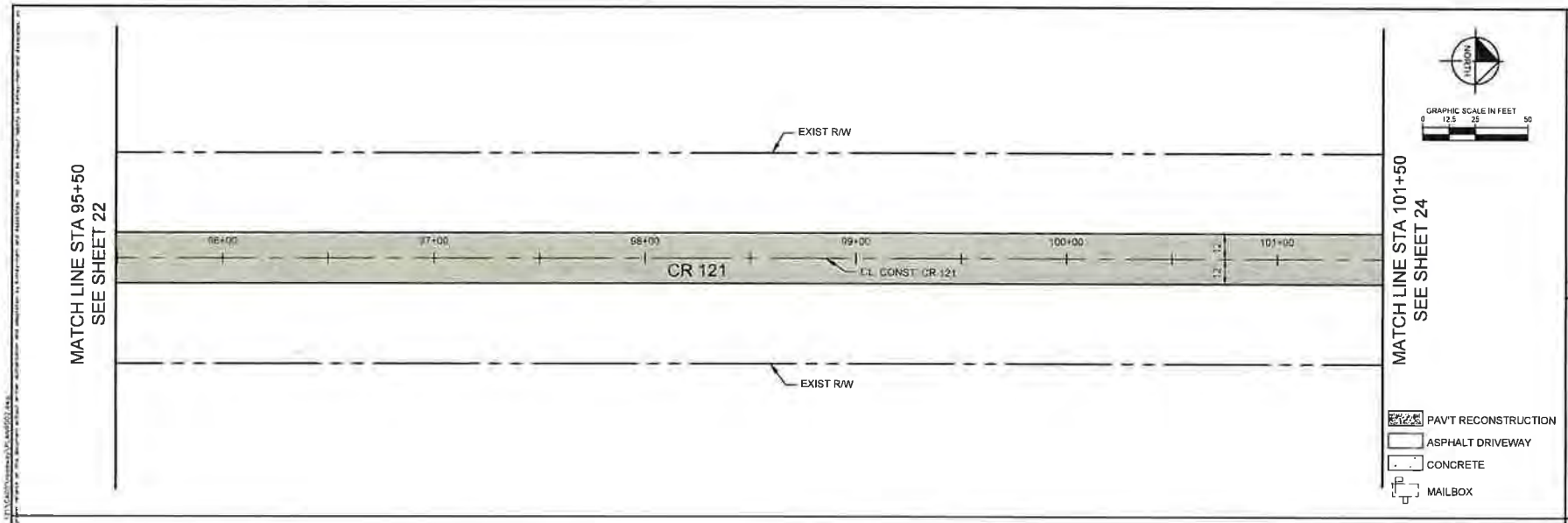
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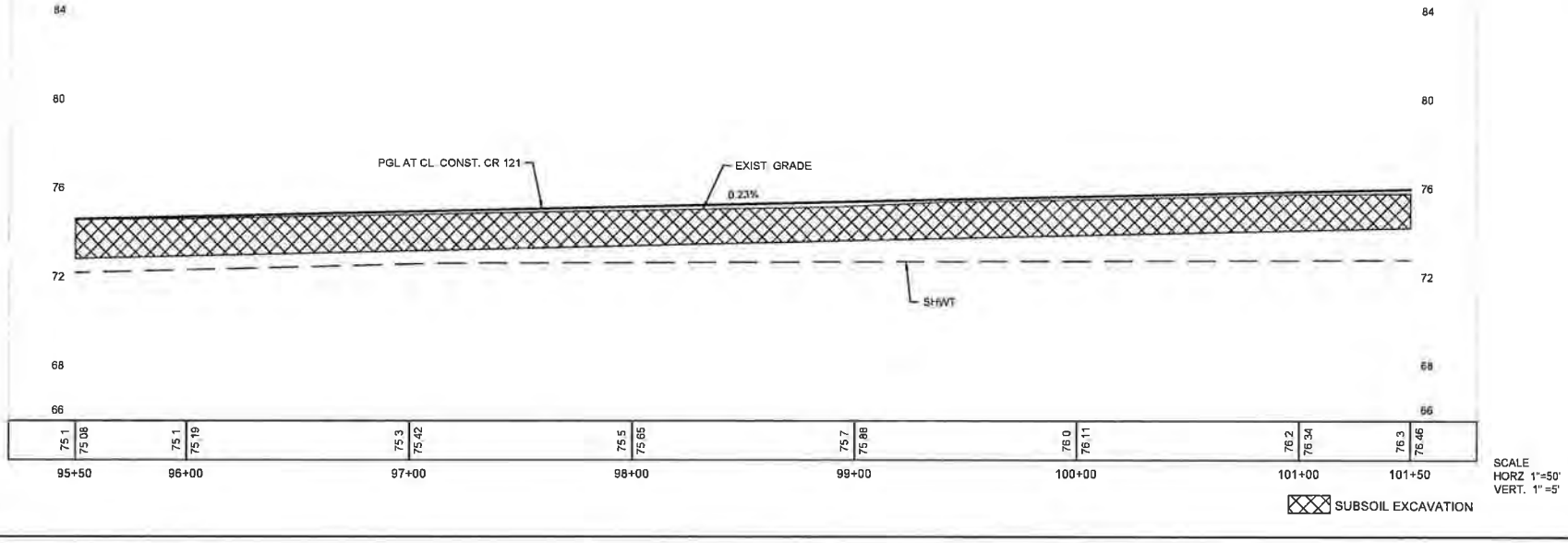
CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER
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NASSAU COUNTY
FLORIDA

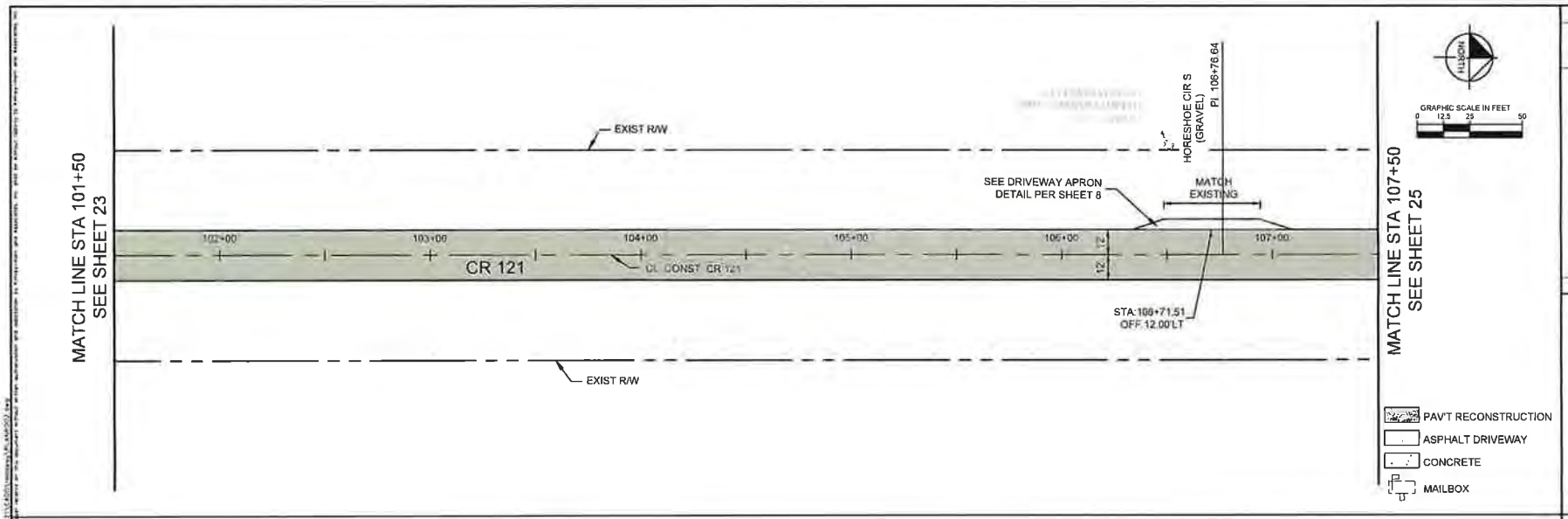
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848

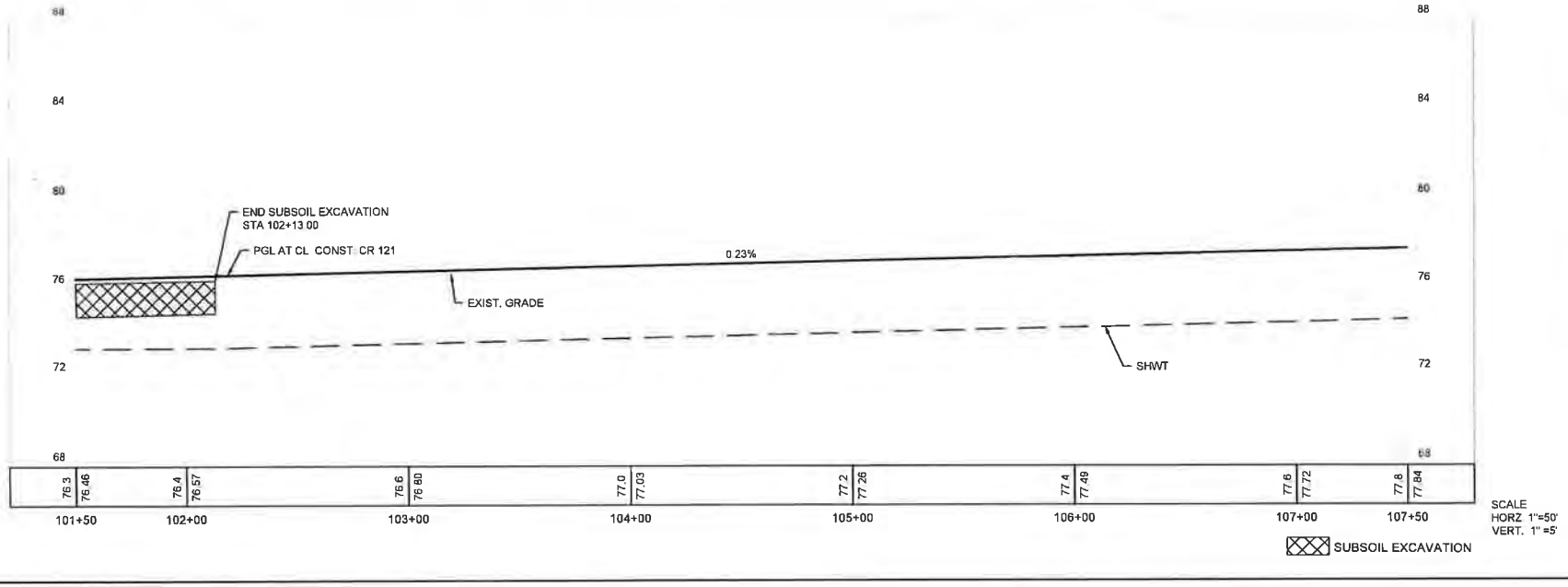
KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

SHEET NUMBER 23

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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E





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CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

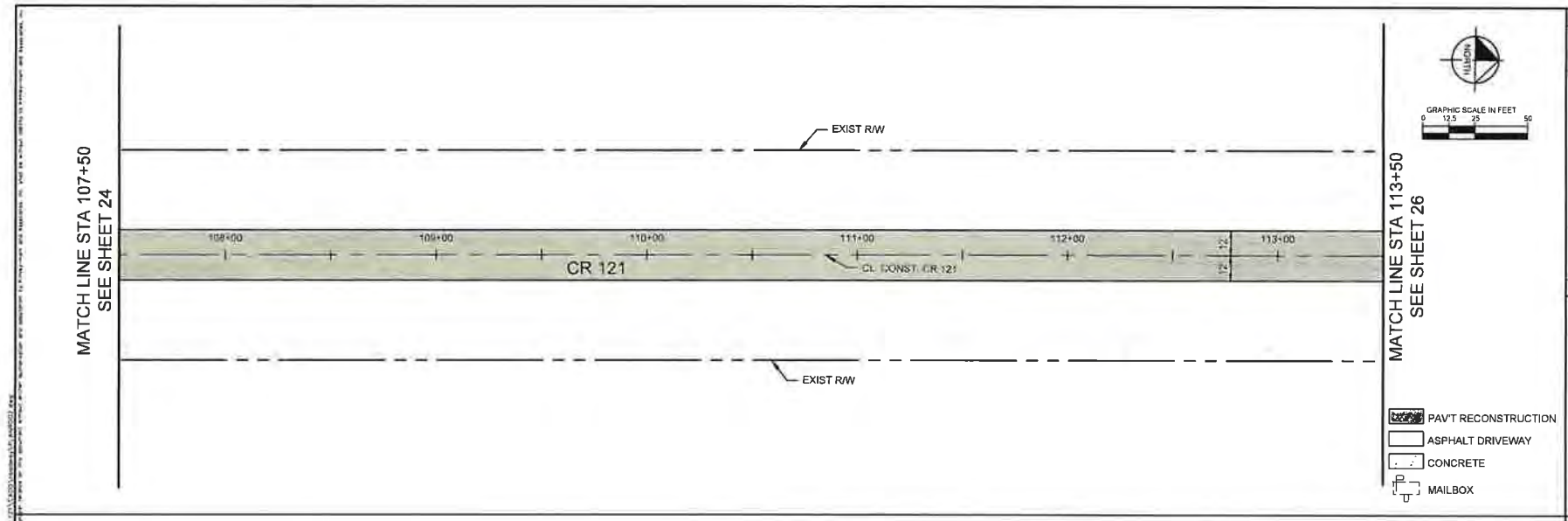
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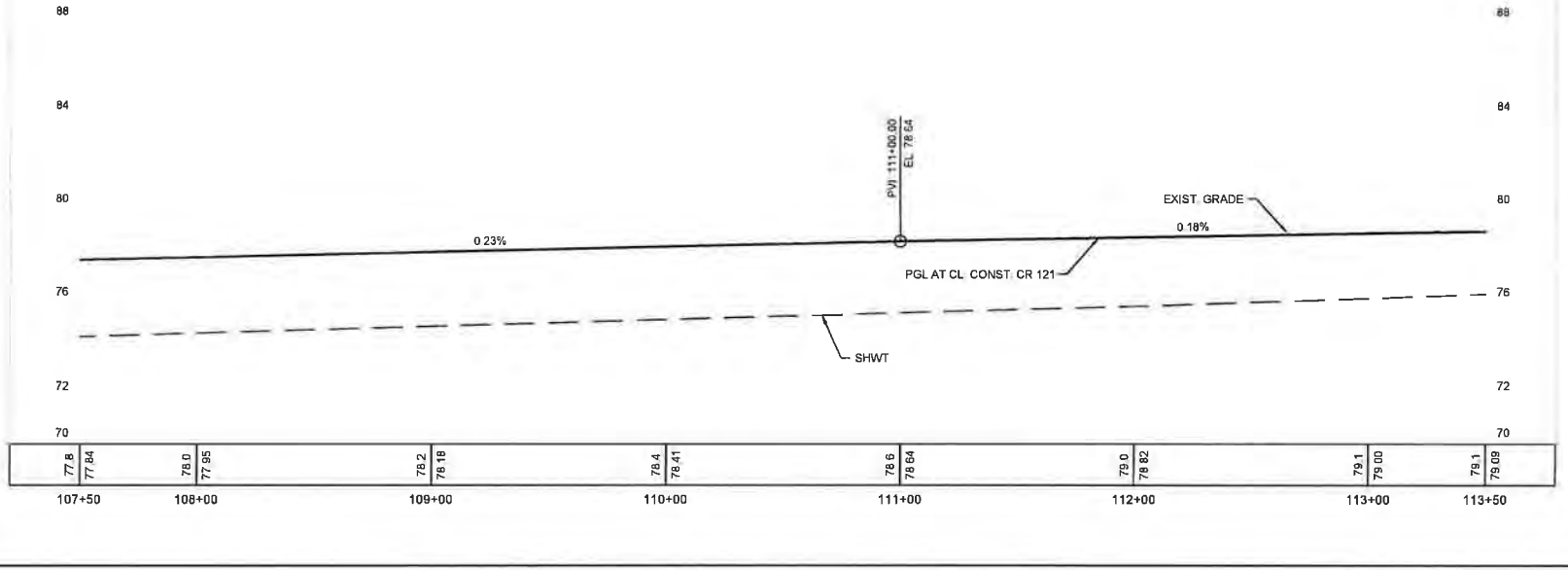
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JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848
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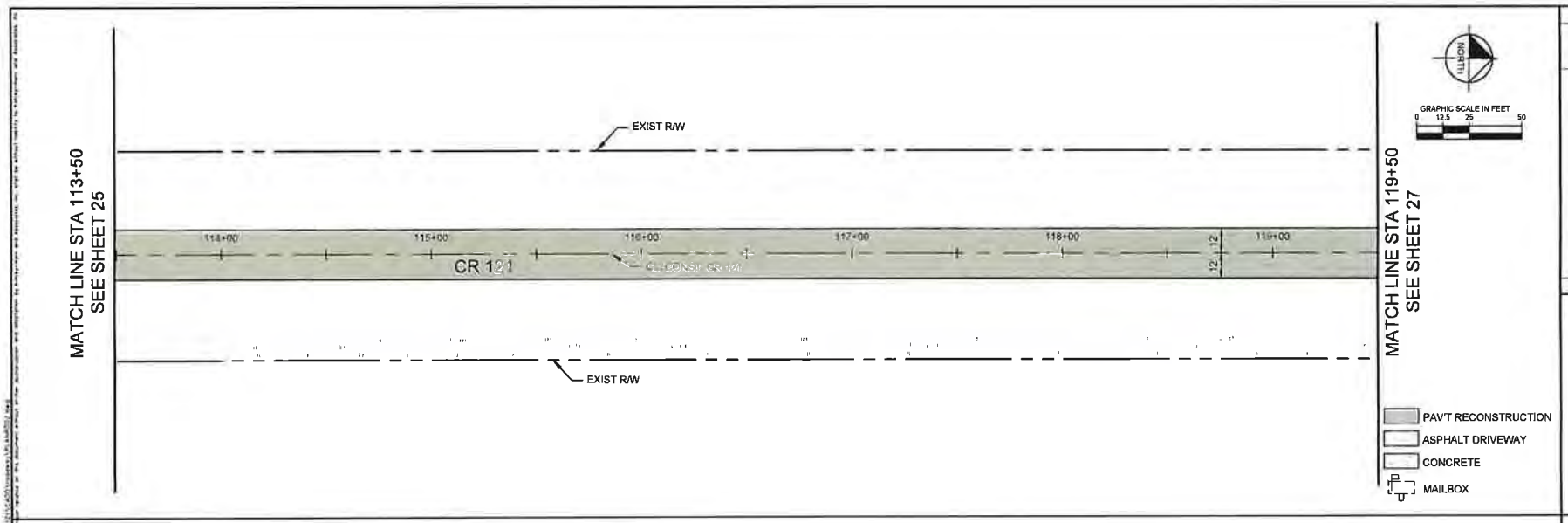
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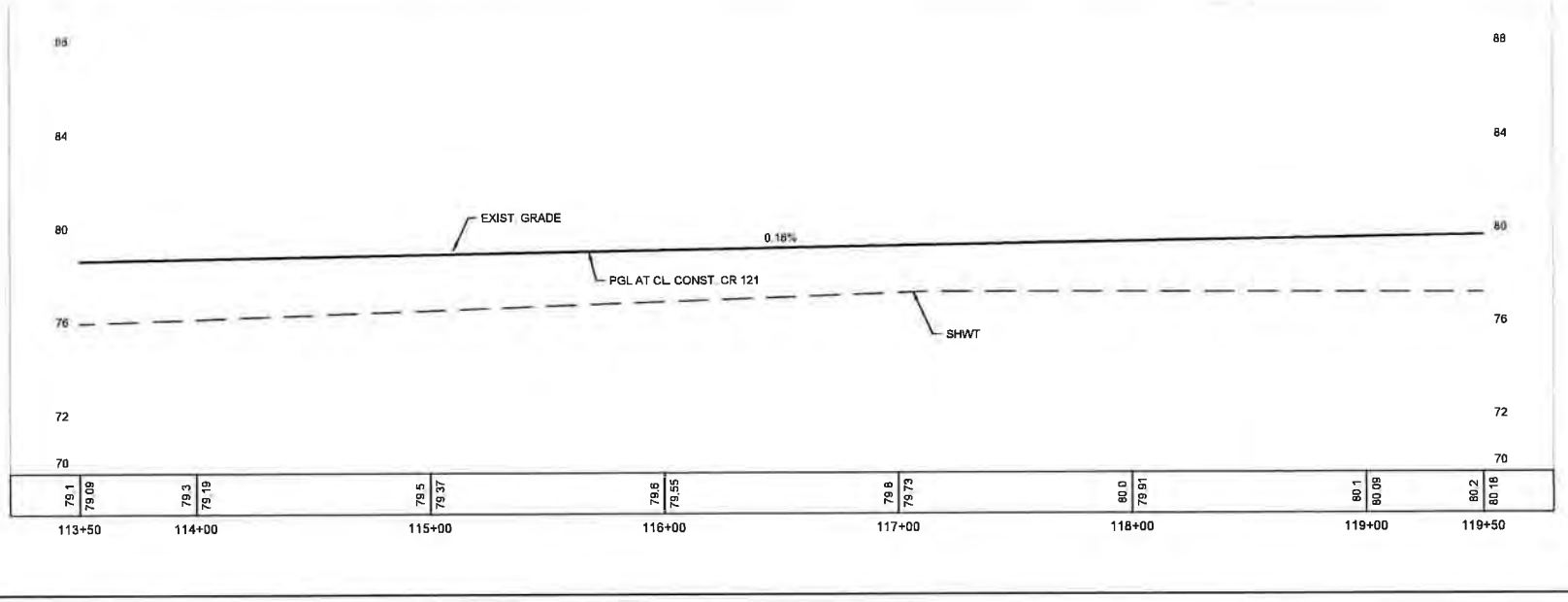
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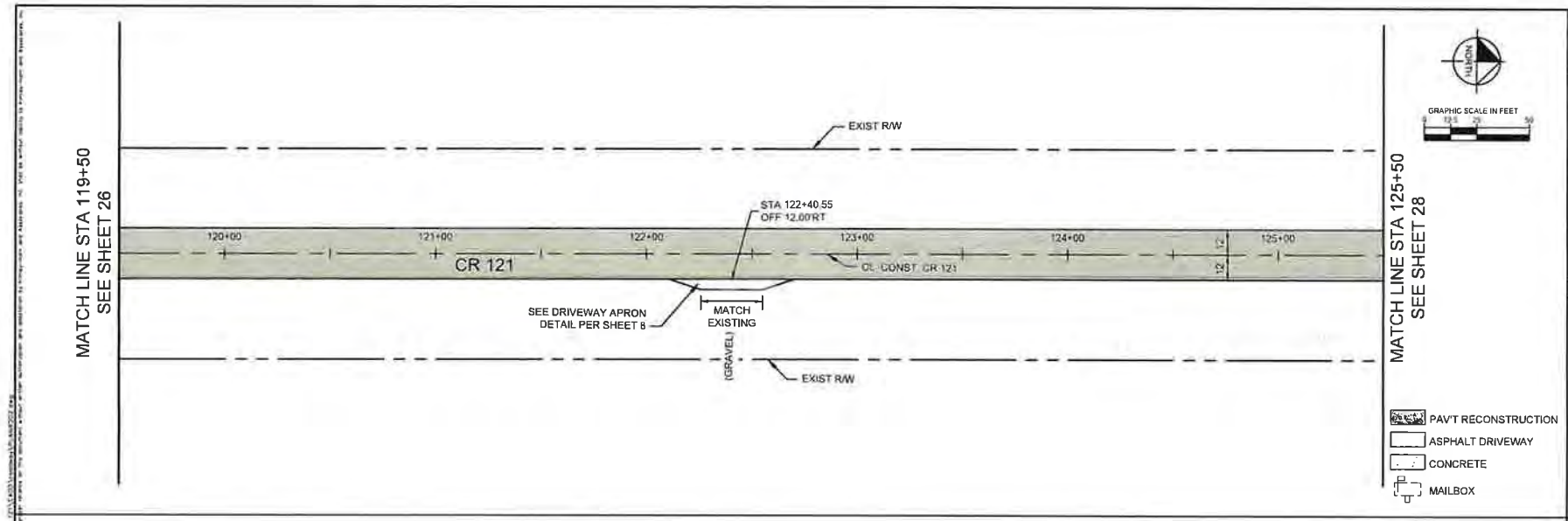
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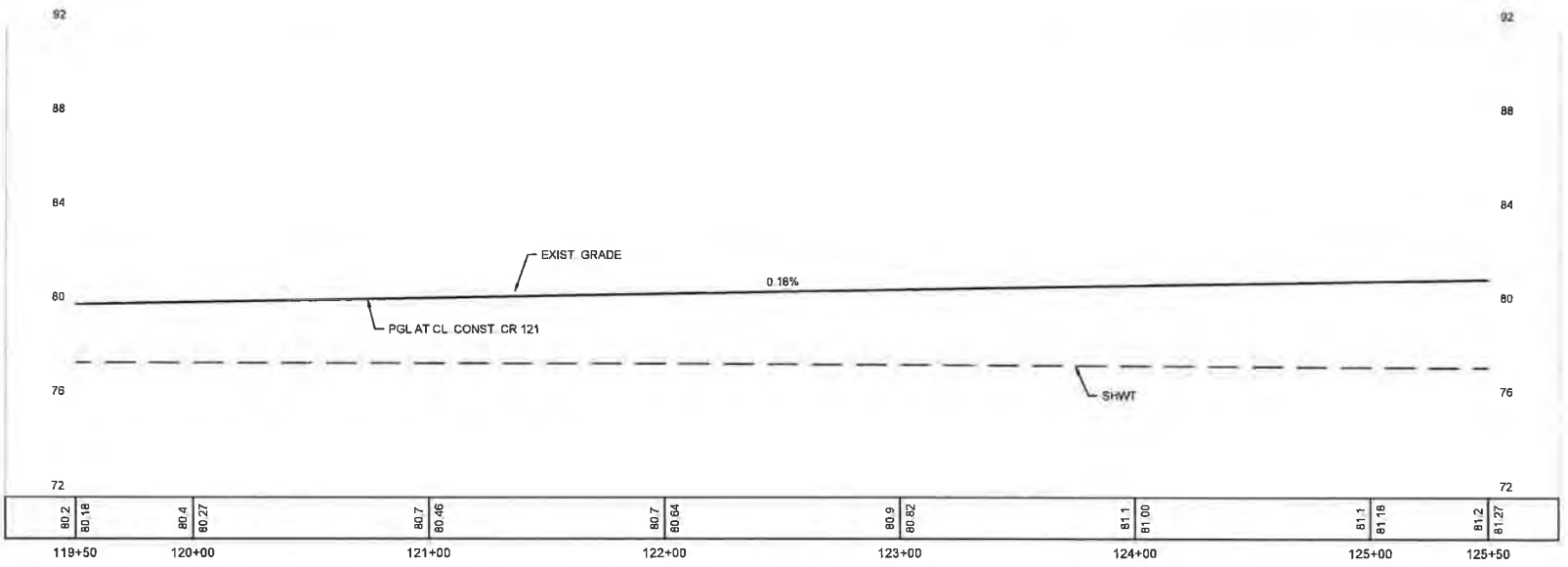
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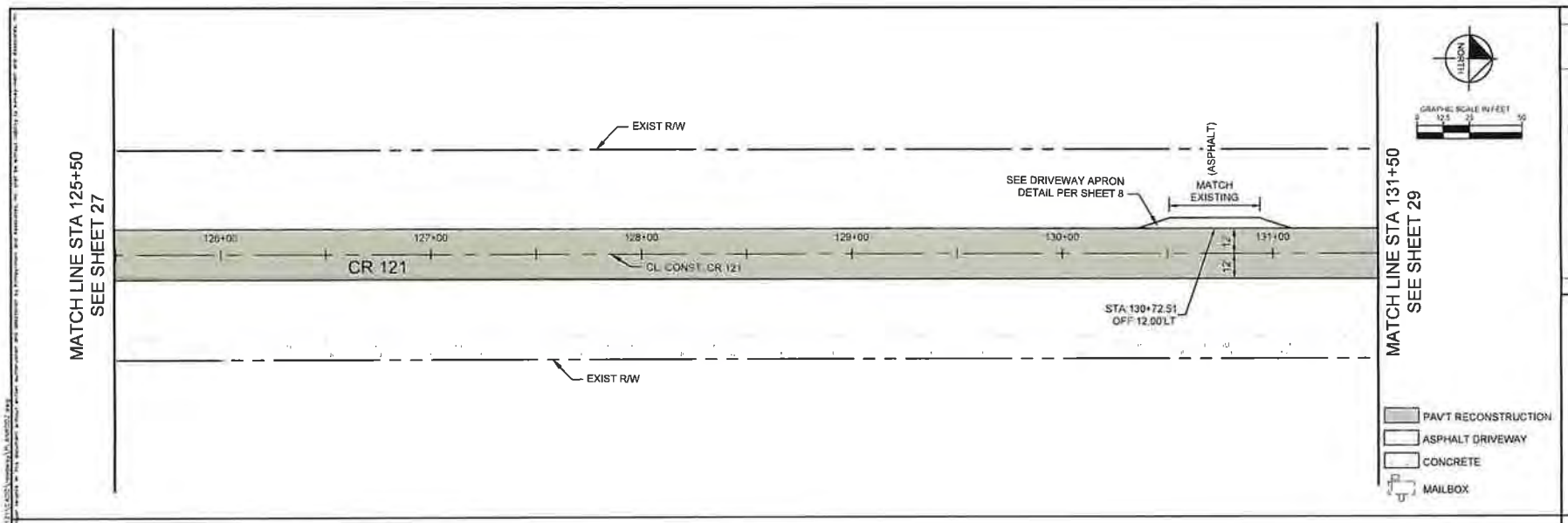
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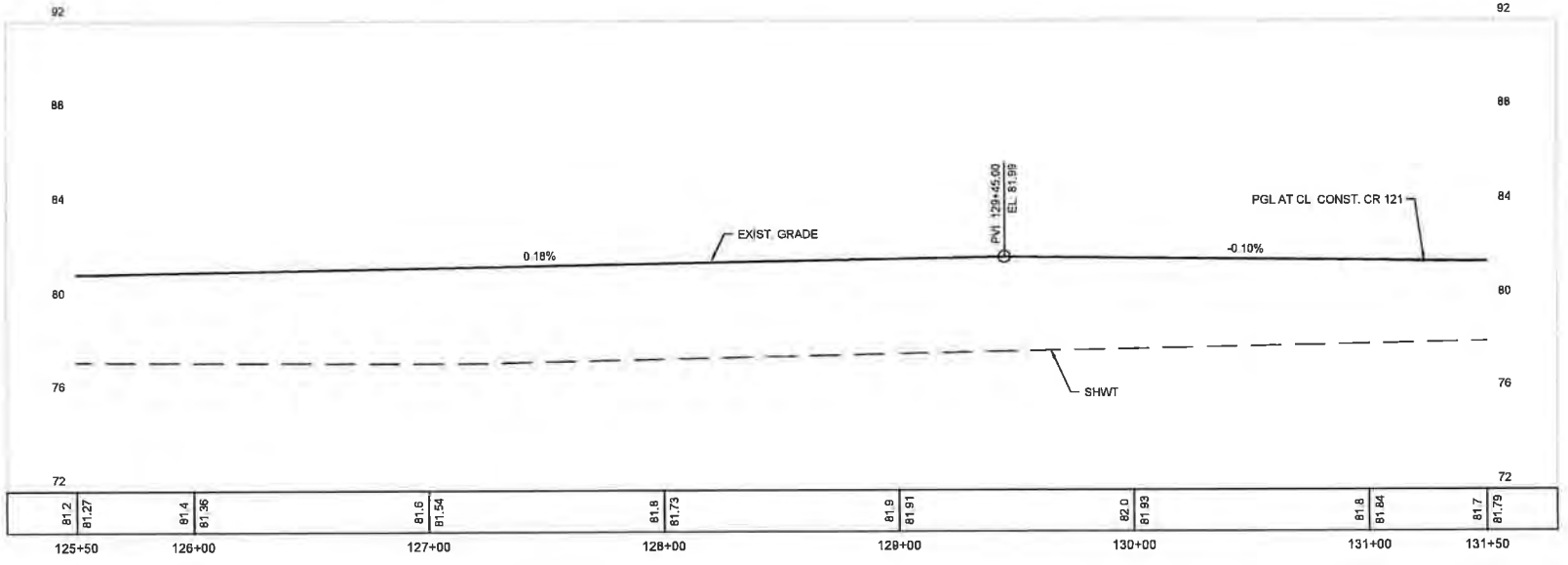
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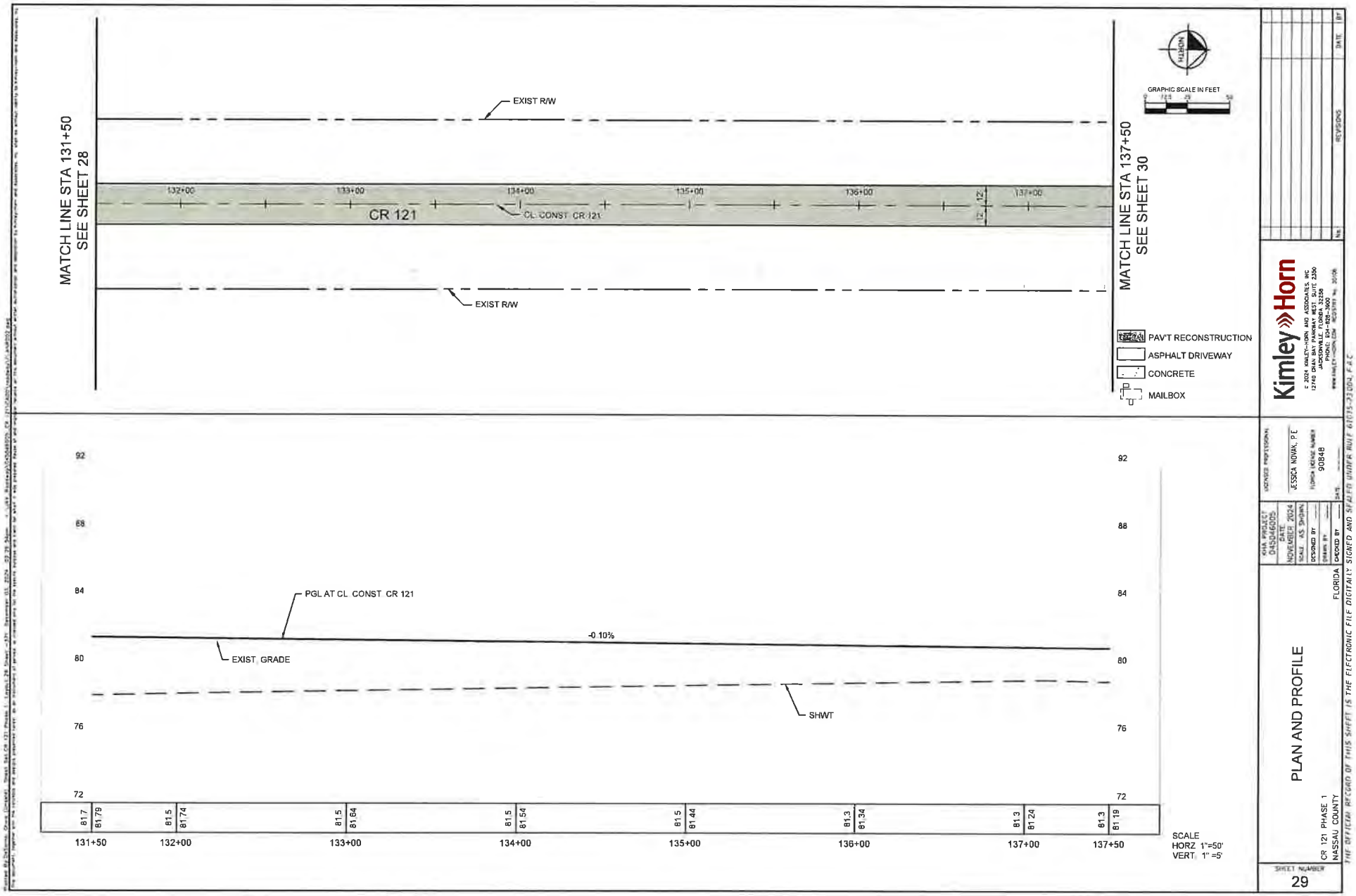
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FLORIDA LICENSE NUMBER
90848

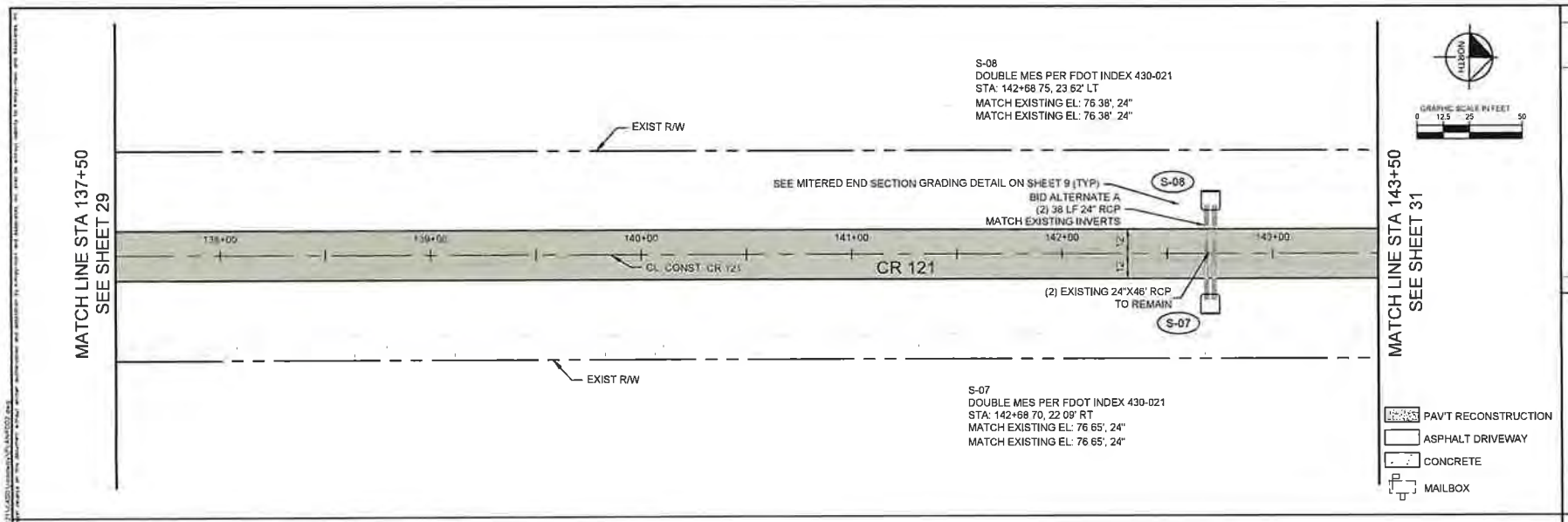
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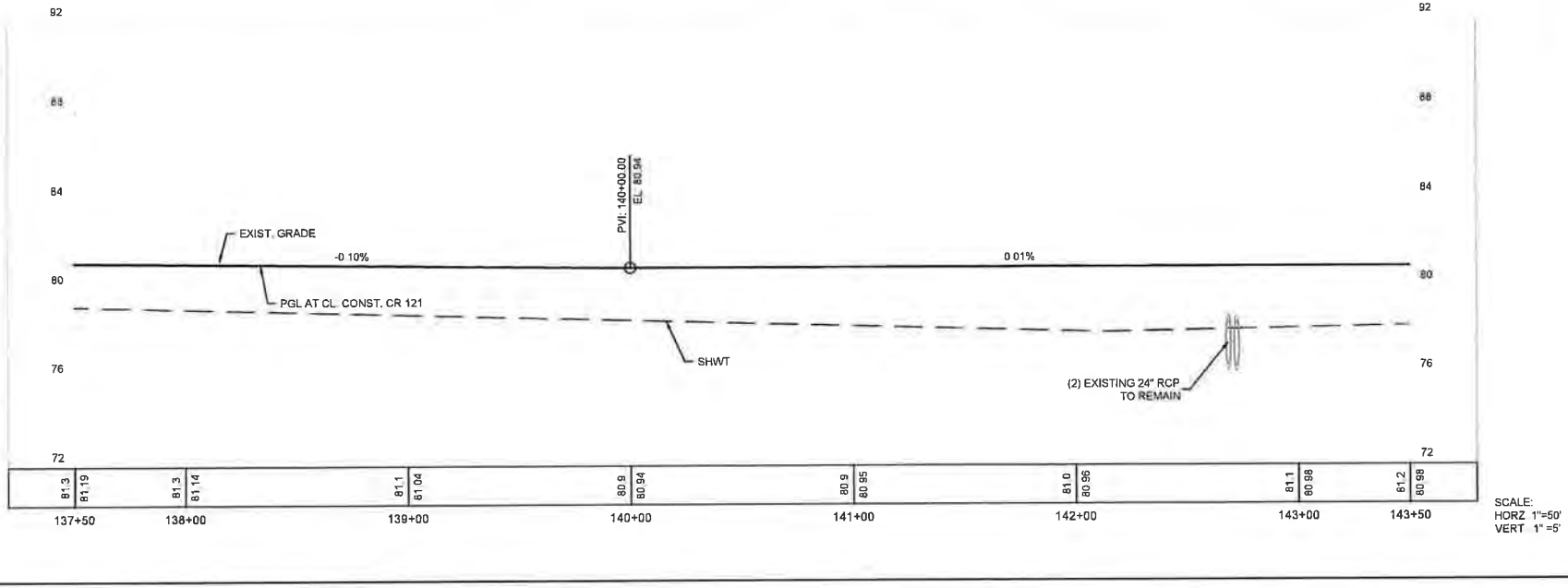
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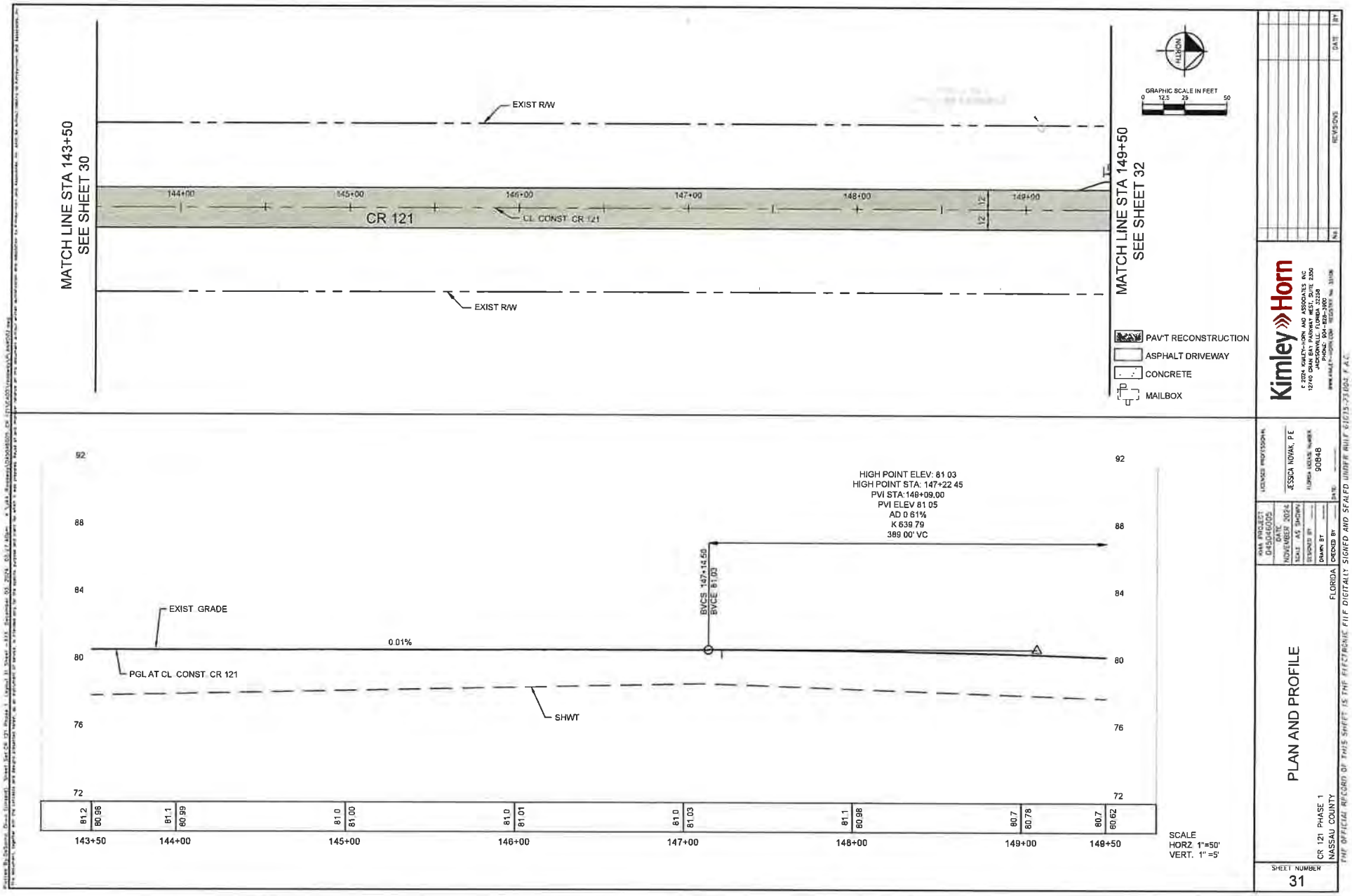
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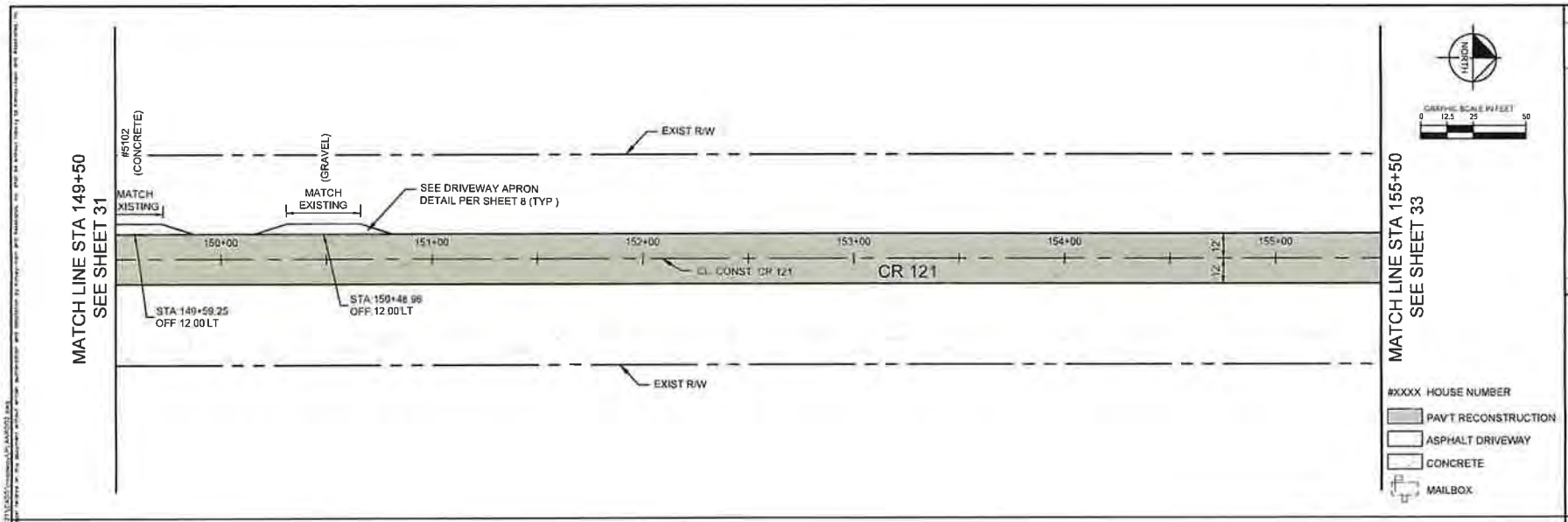
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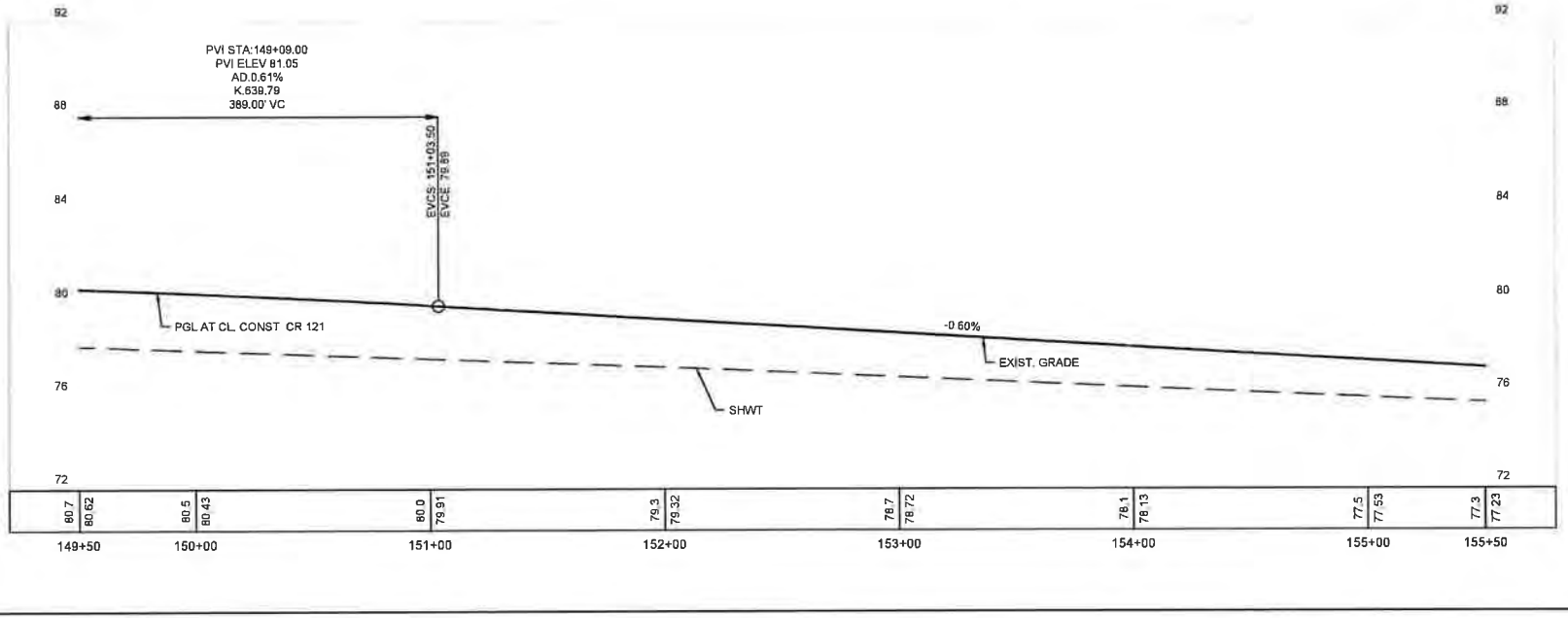
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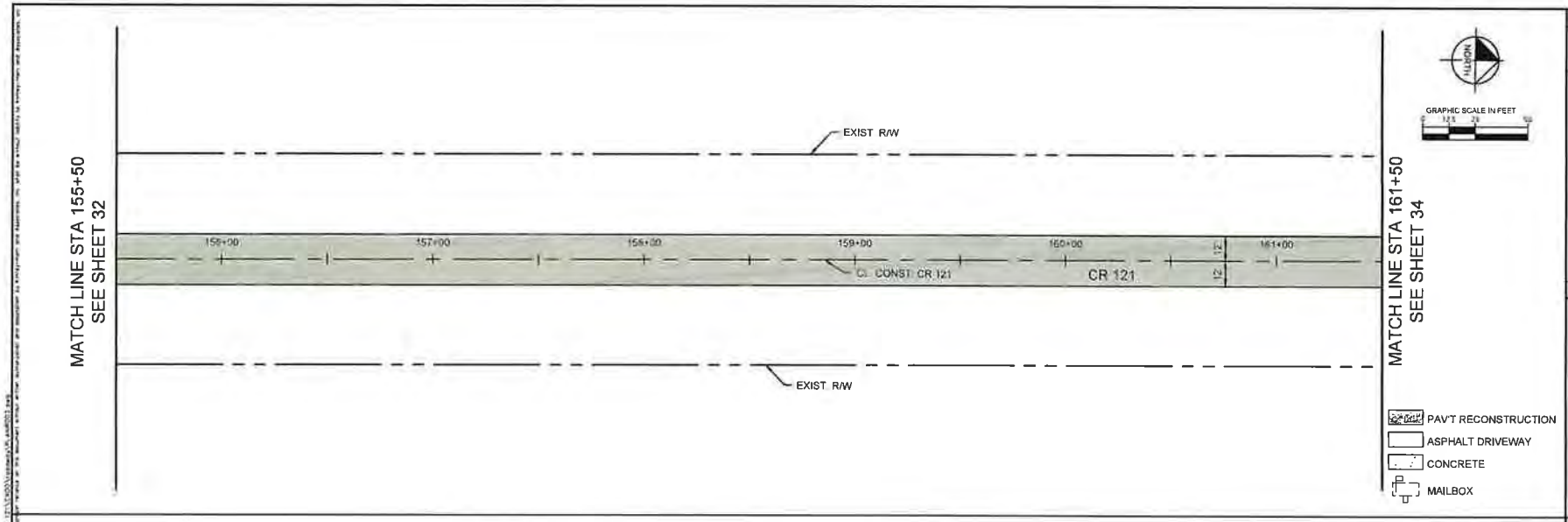
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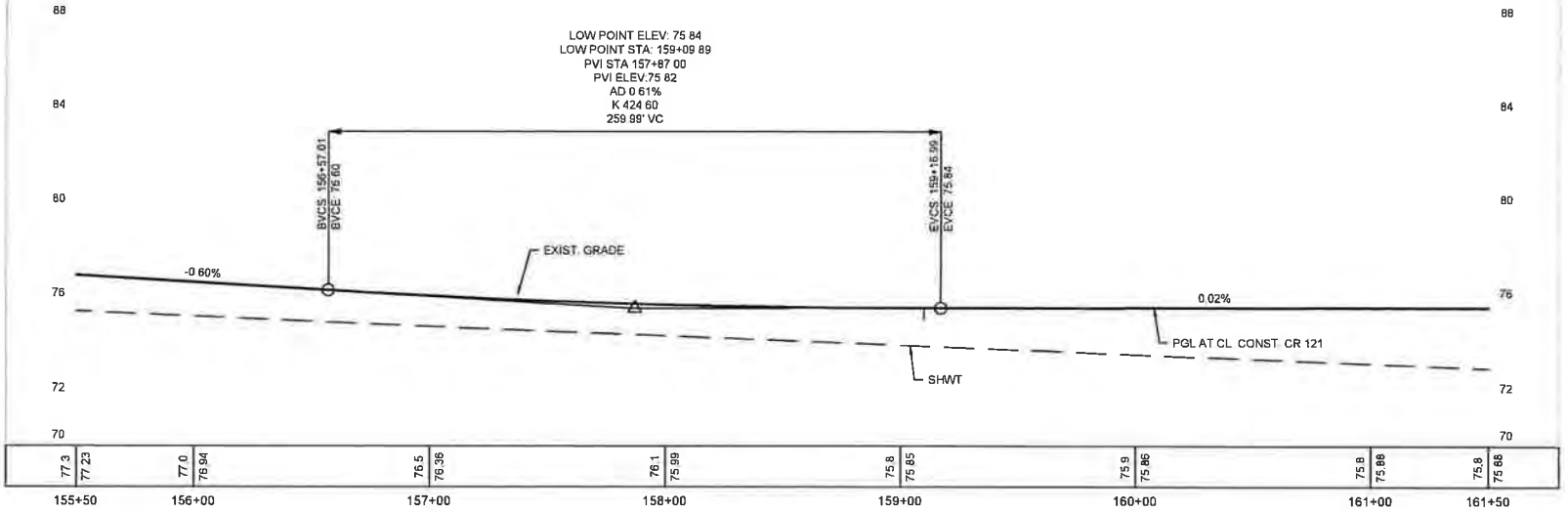
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045046005
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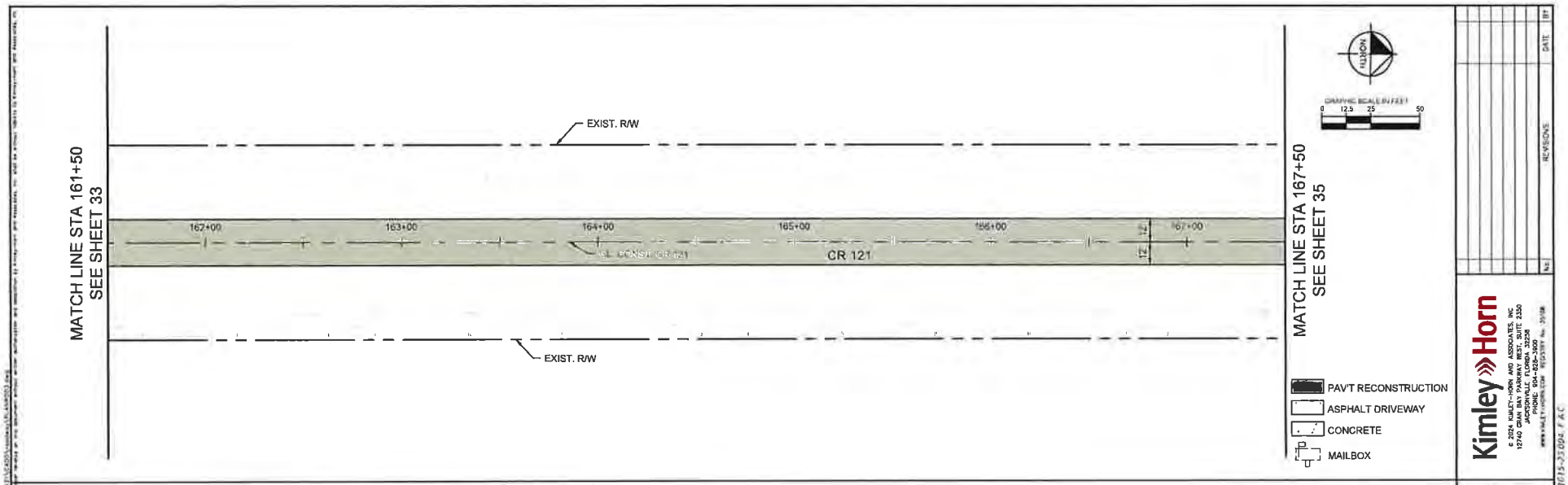
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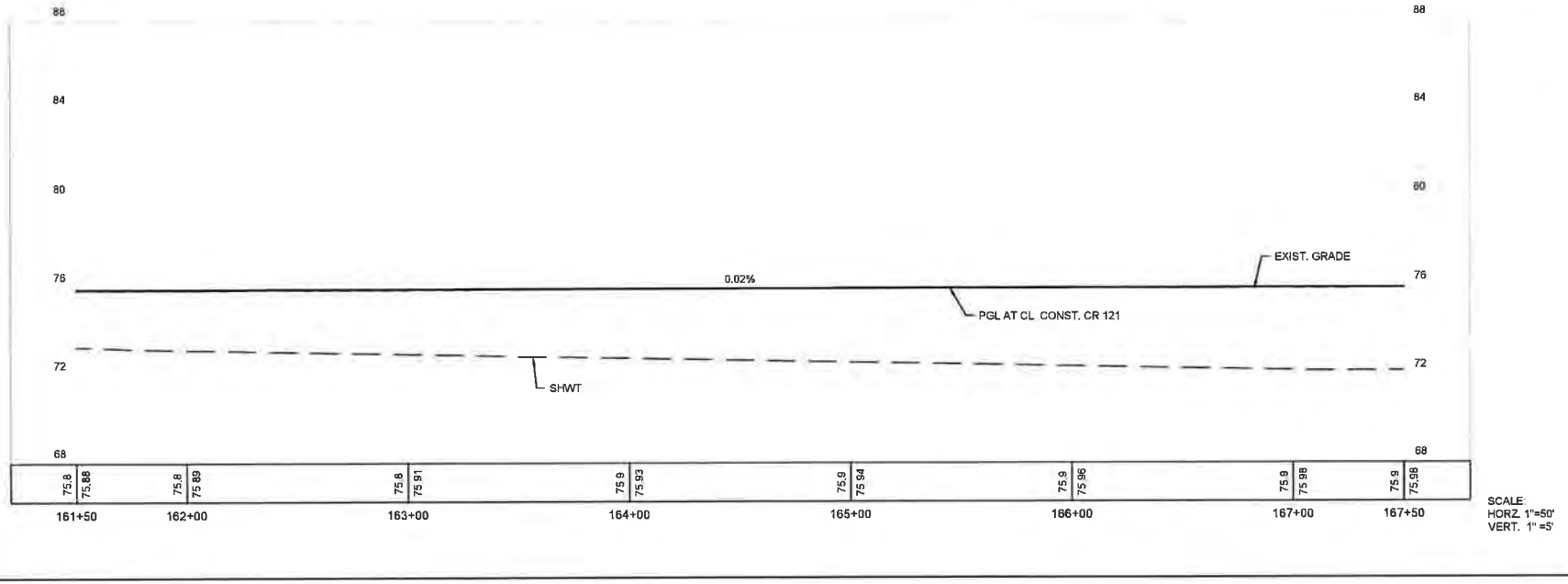
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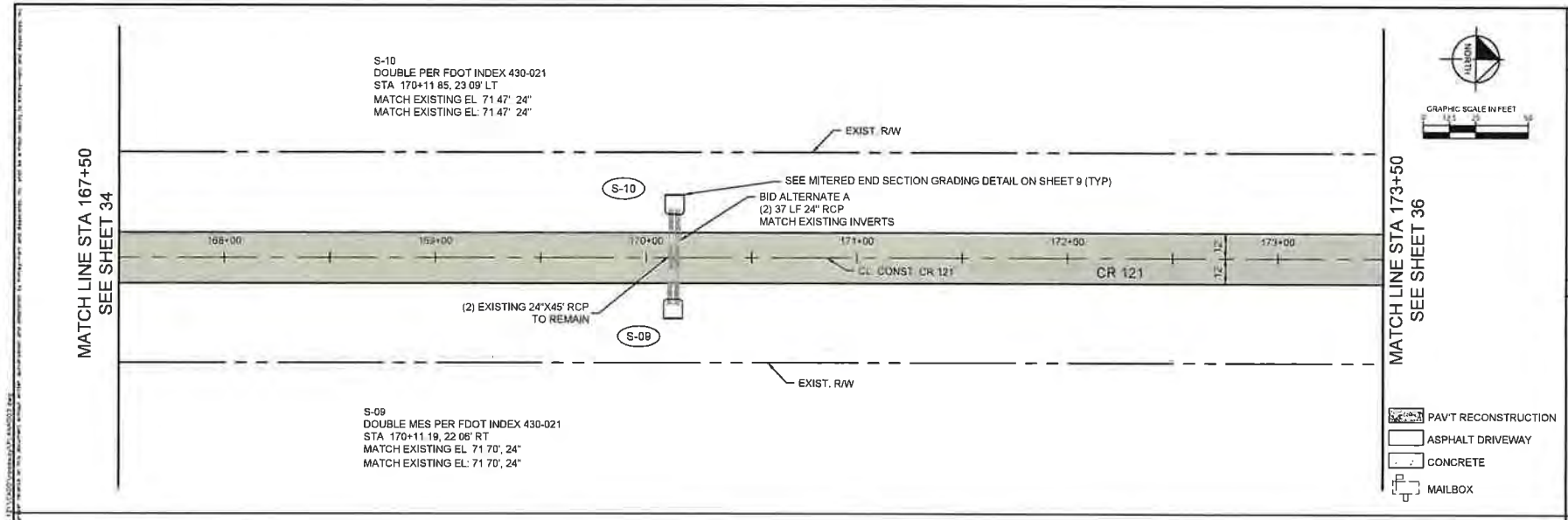
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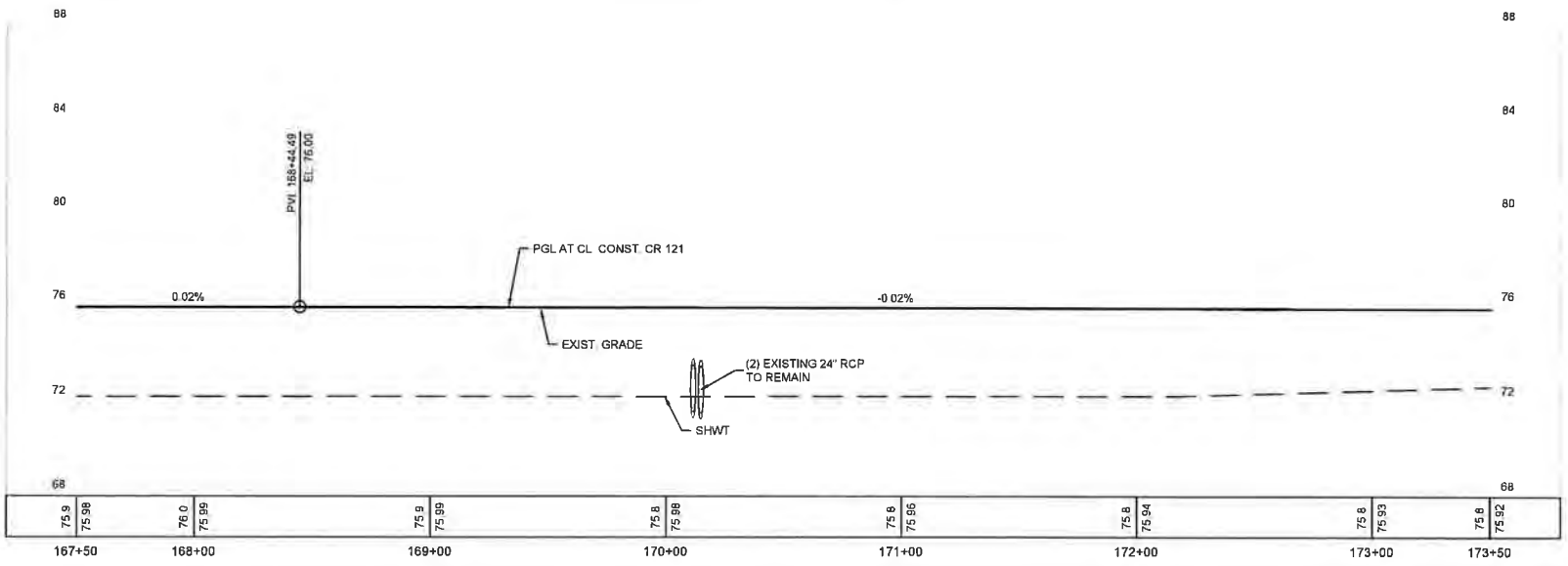
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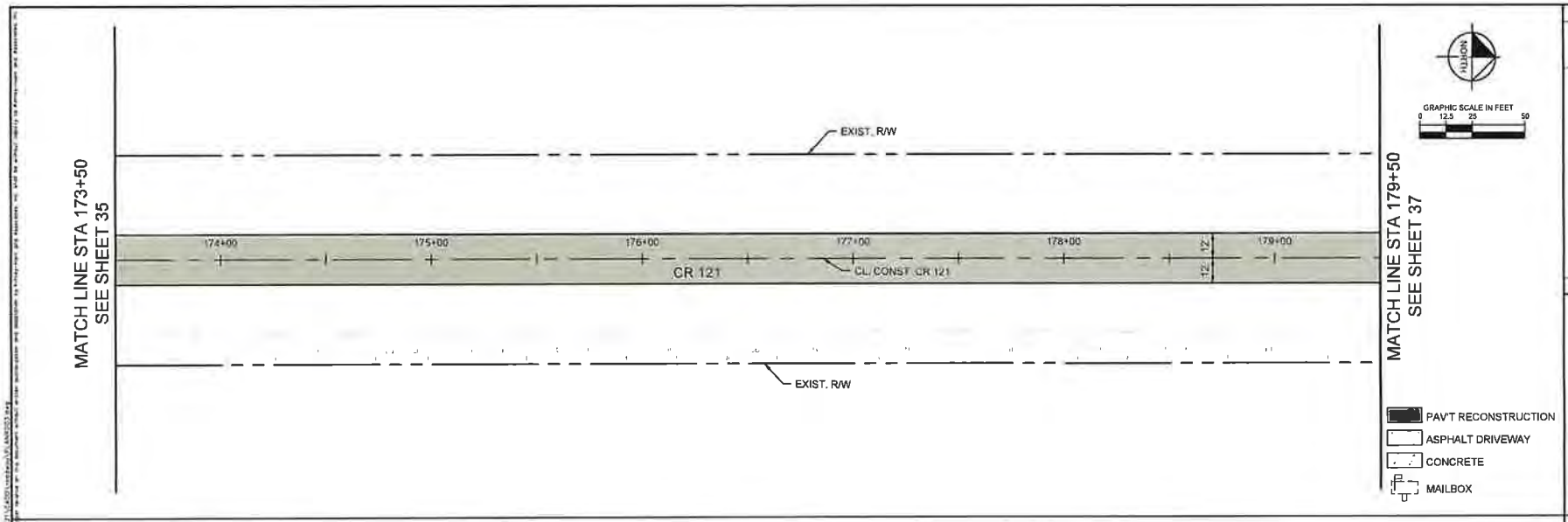
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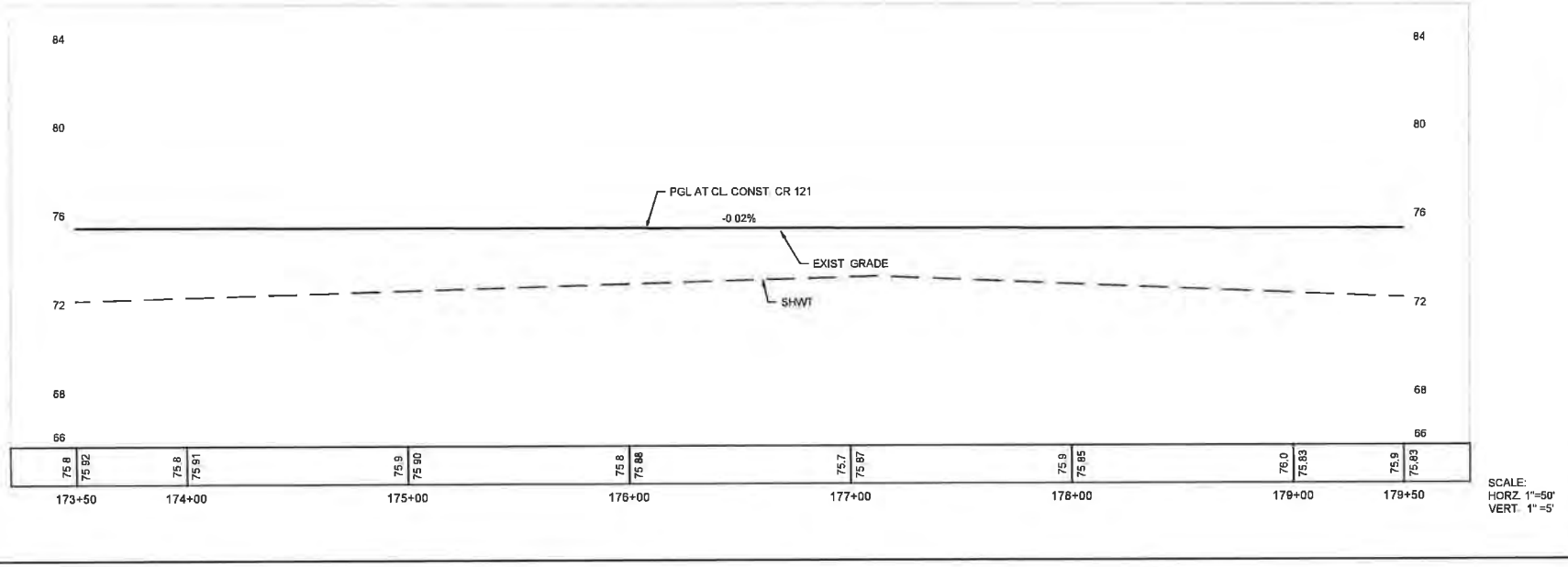
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LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
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STATE: FLORIDA
DATE: ----

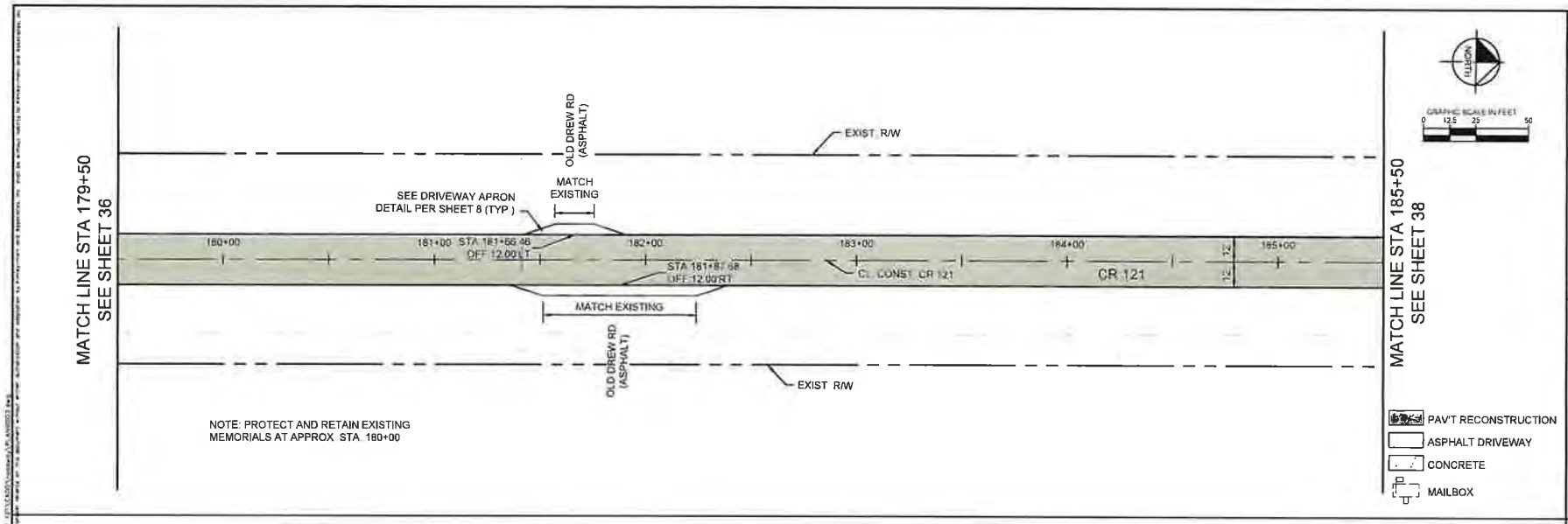
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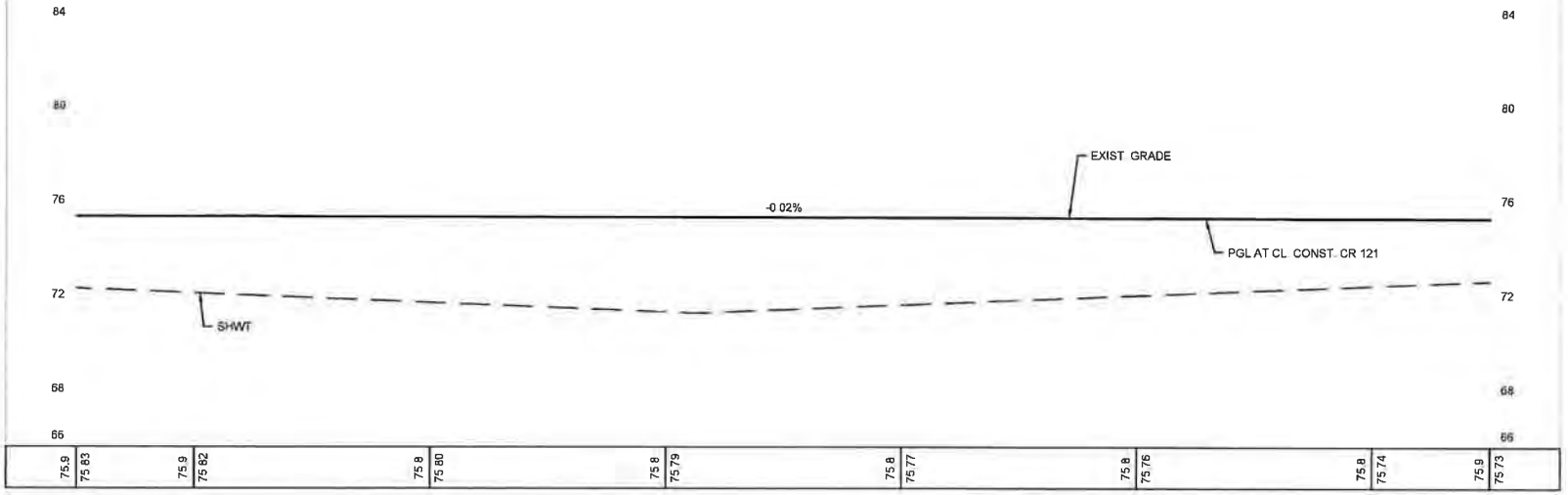
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FLORIDA LICENSE NUMBER 90848
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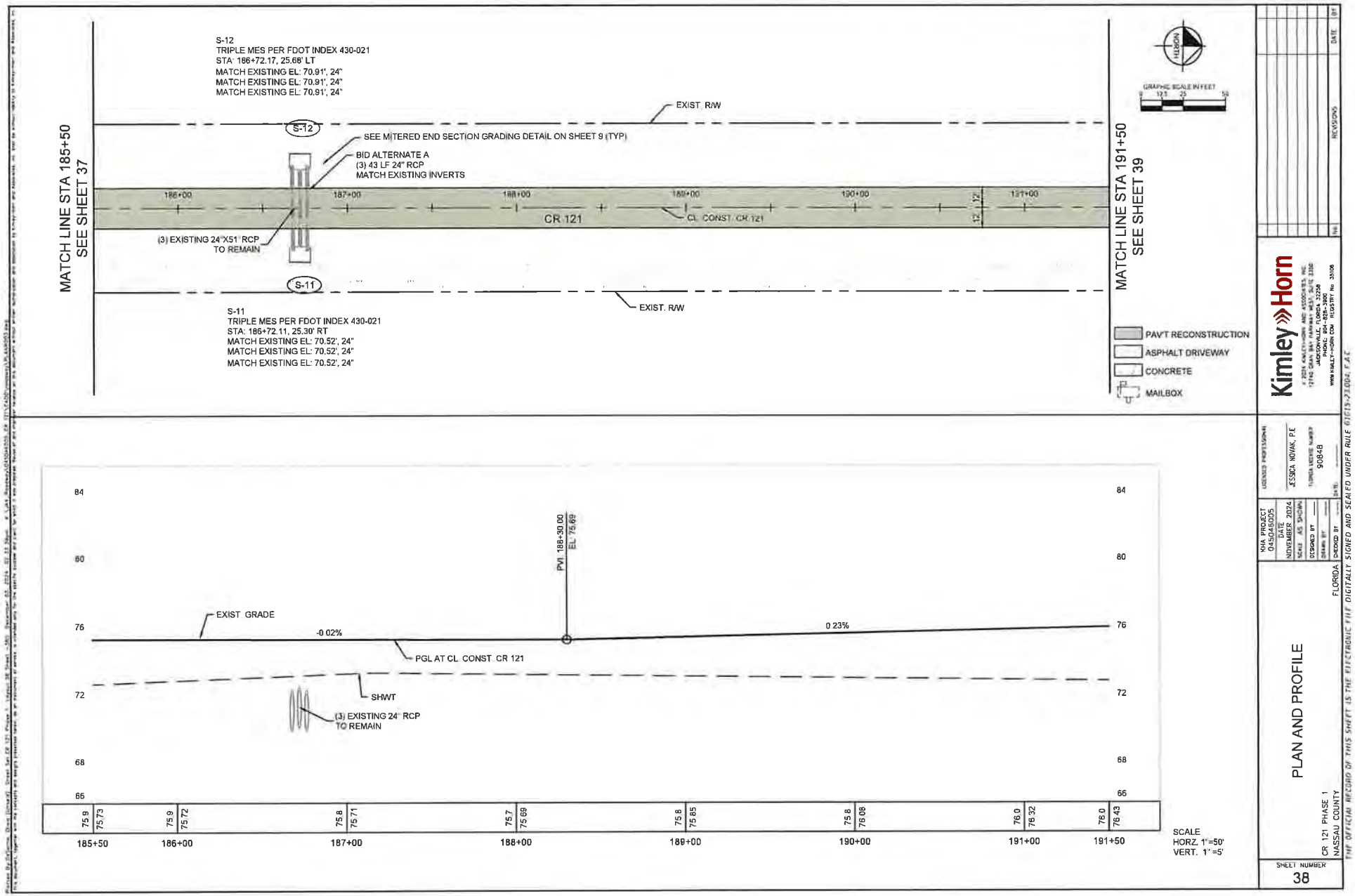
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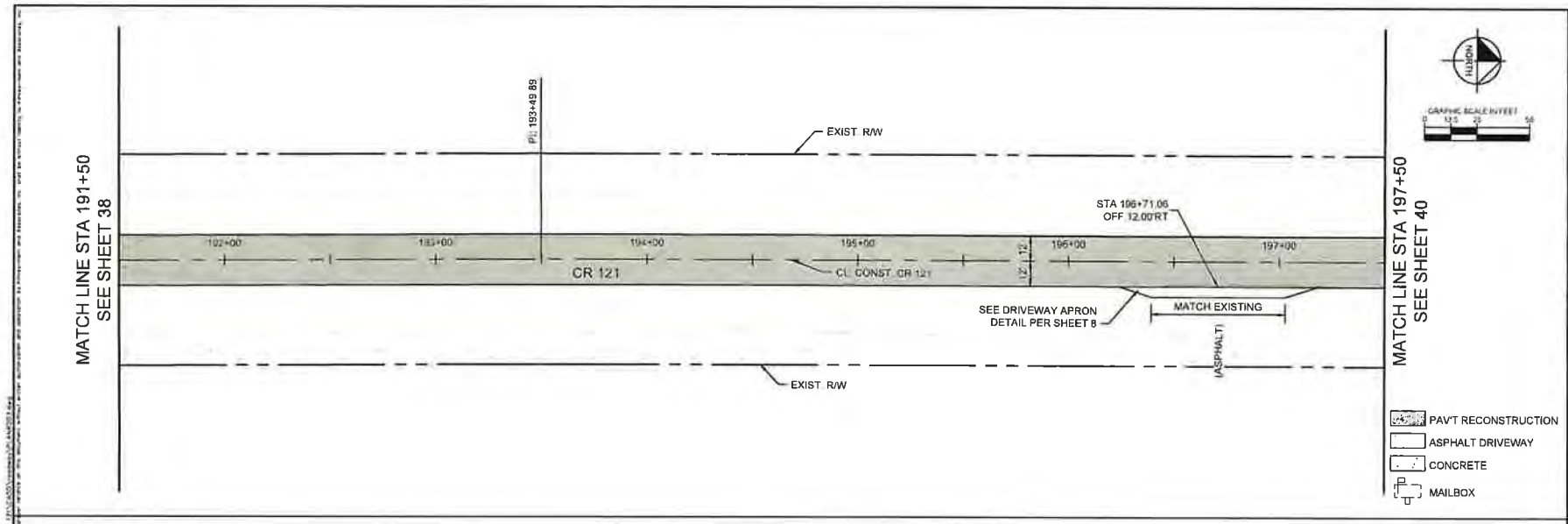
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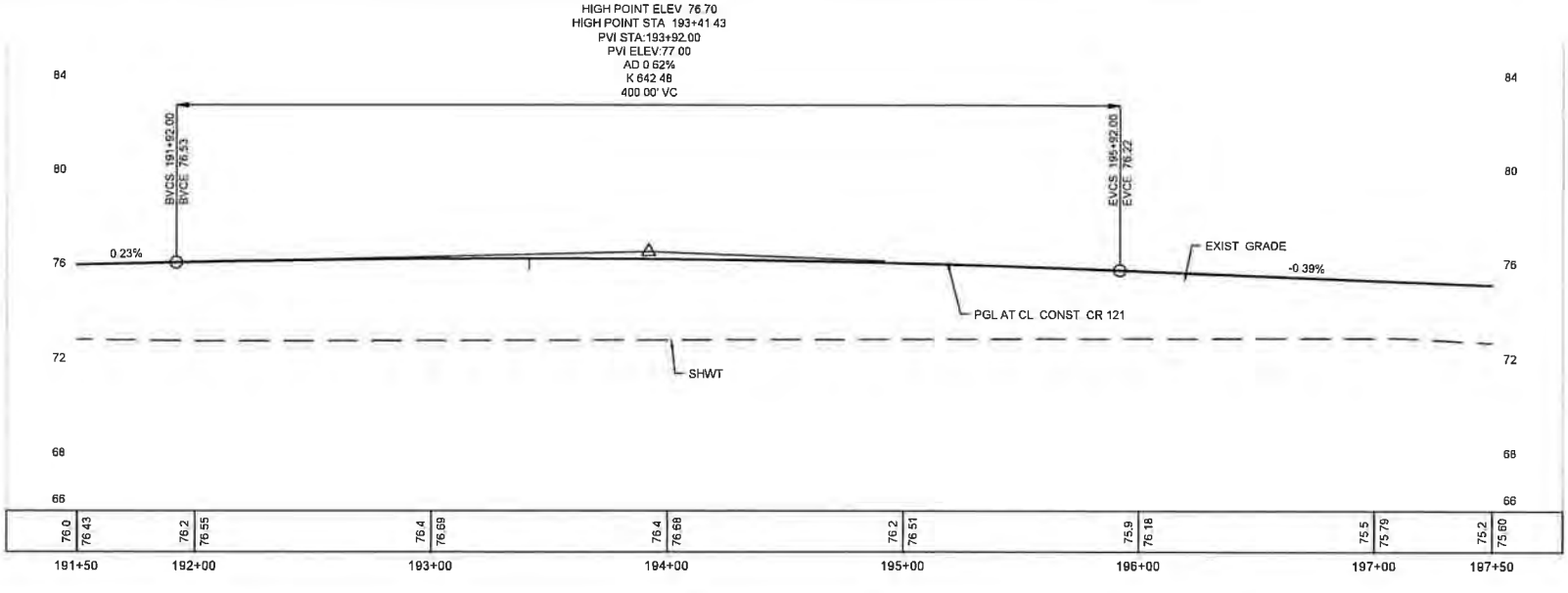
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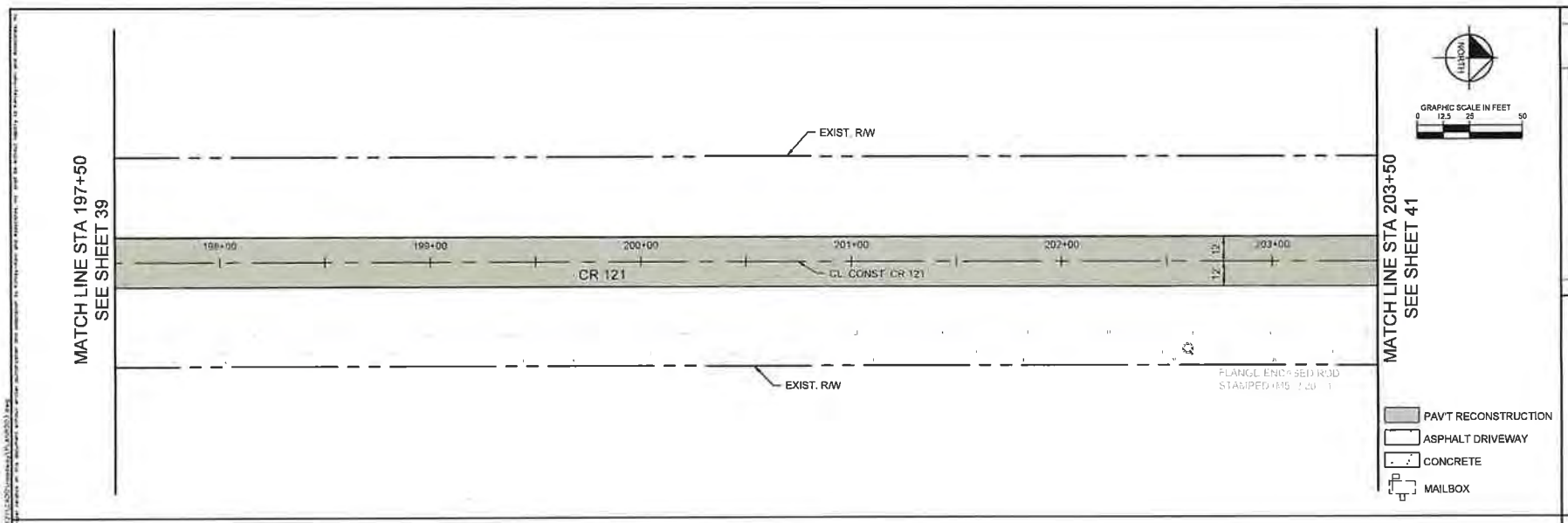
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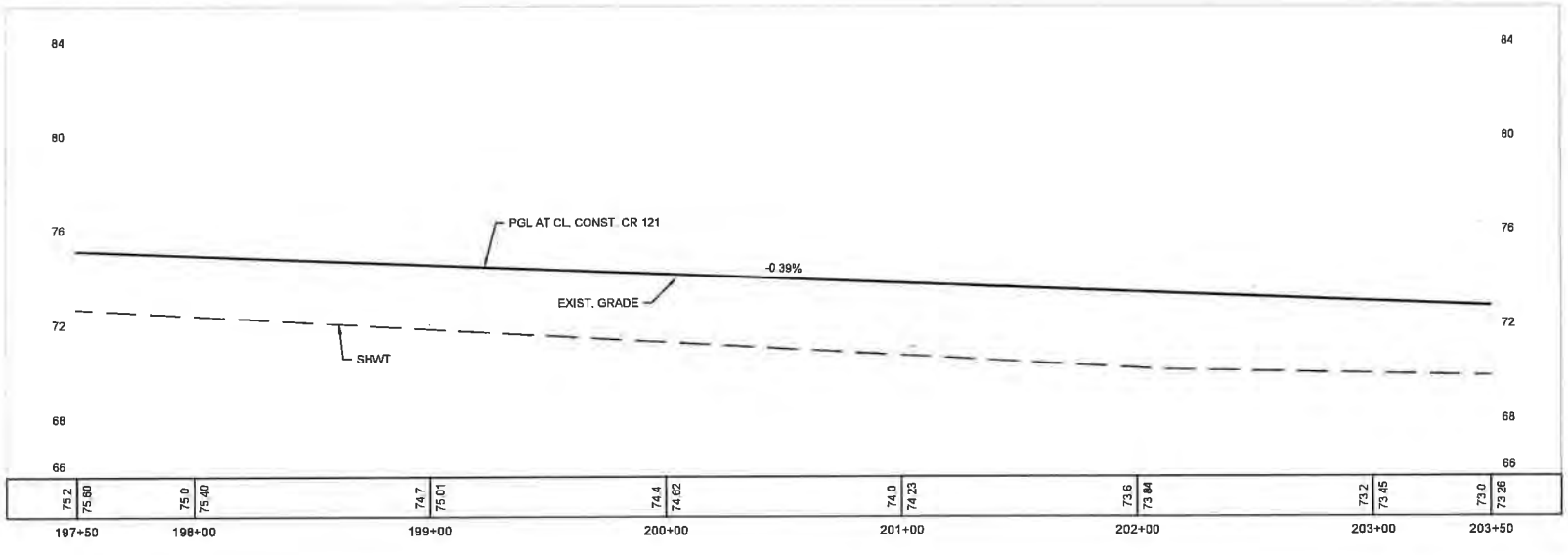
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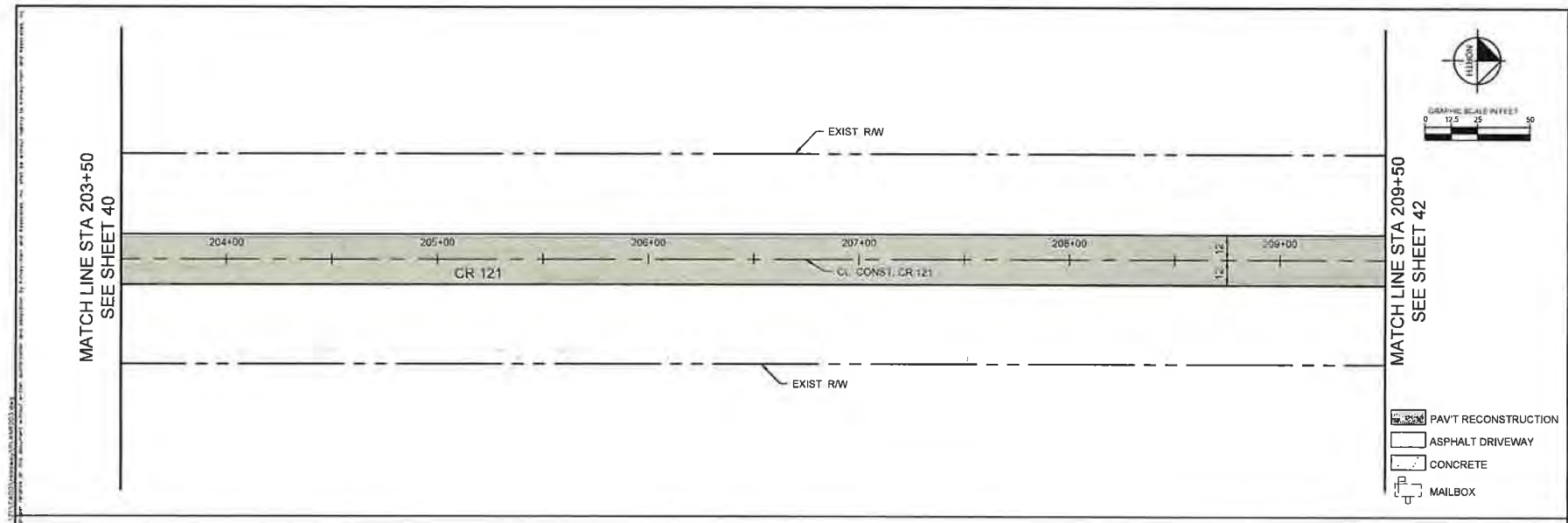
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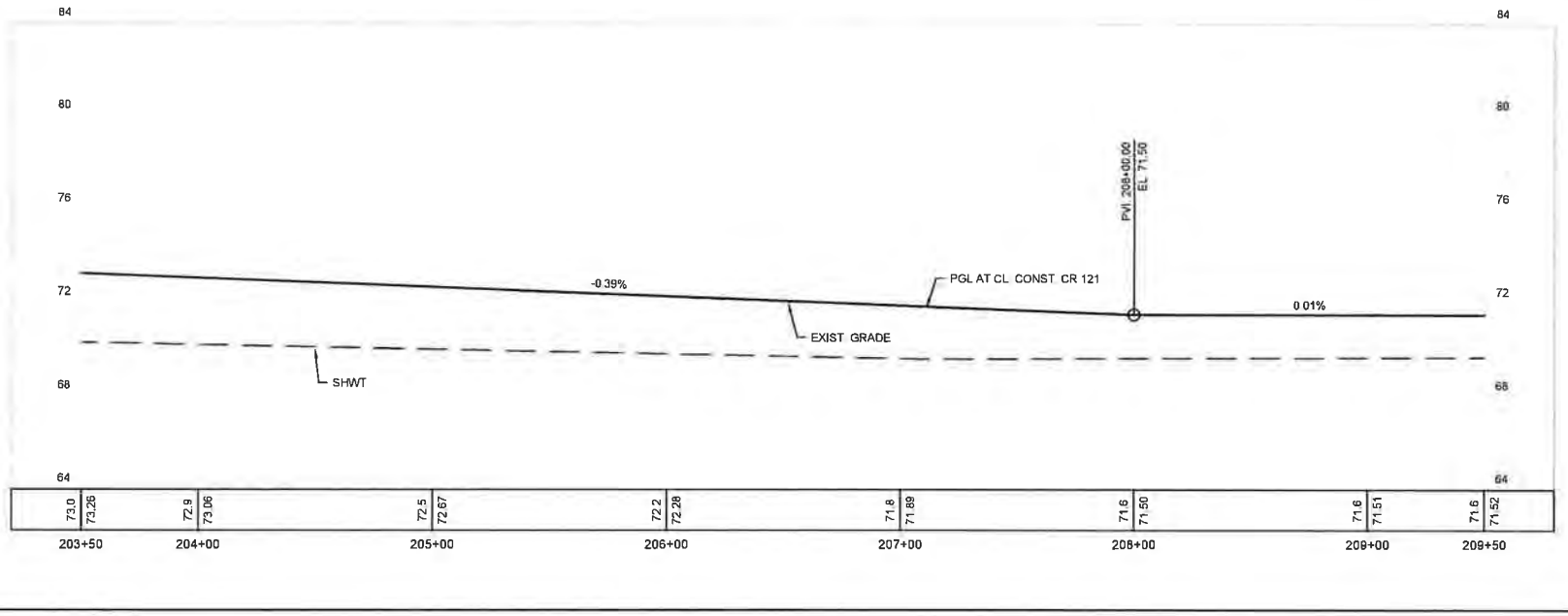
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SCALE
HORZ 1"=50'
VERT. 1" =5'

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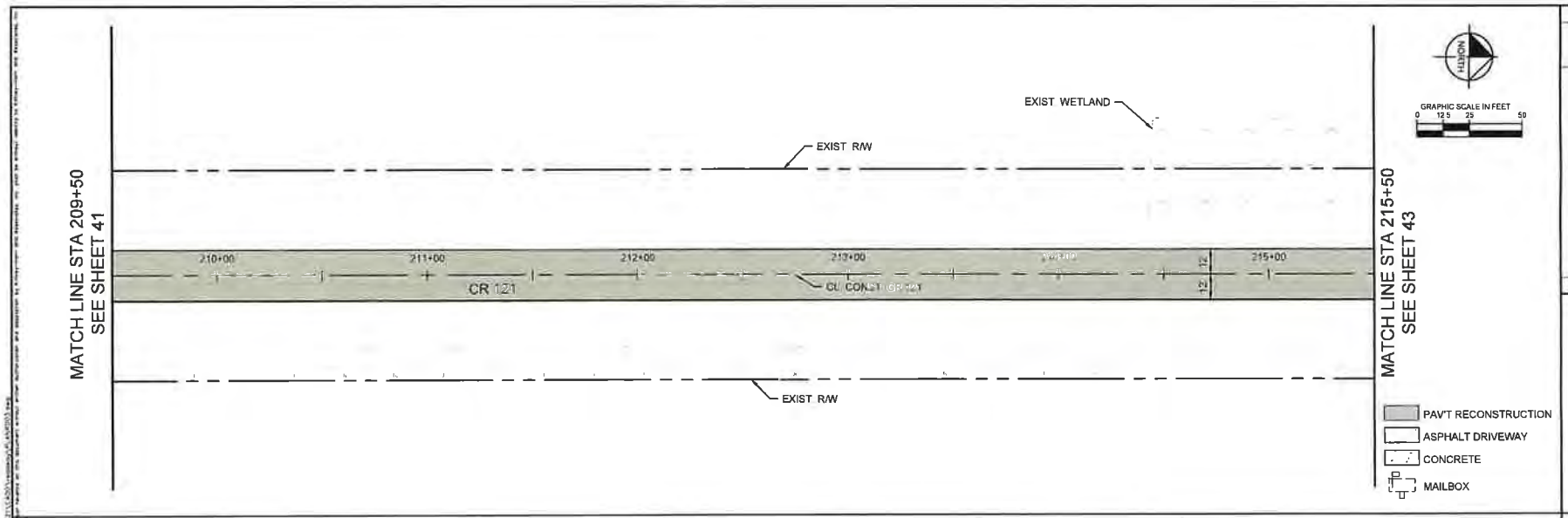
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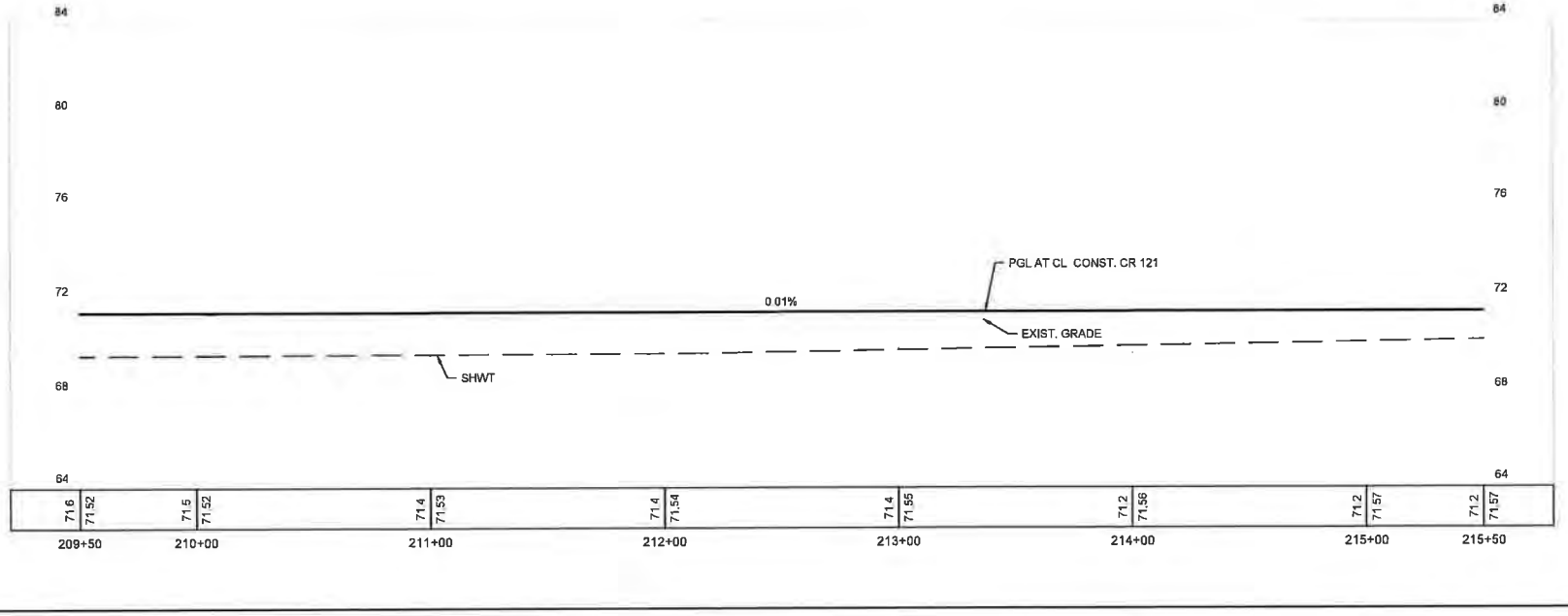
CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
41

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REVISIONS | NO. | DATE | BY

KHA PROJECT 045046205
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848
DATE

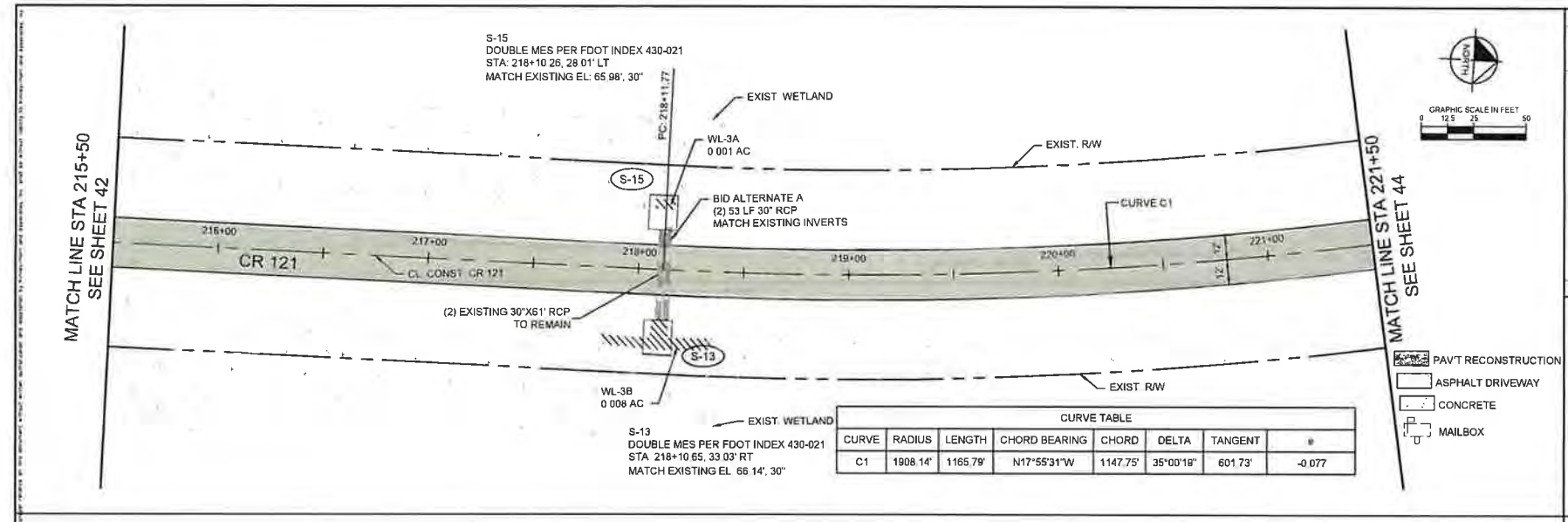
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

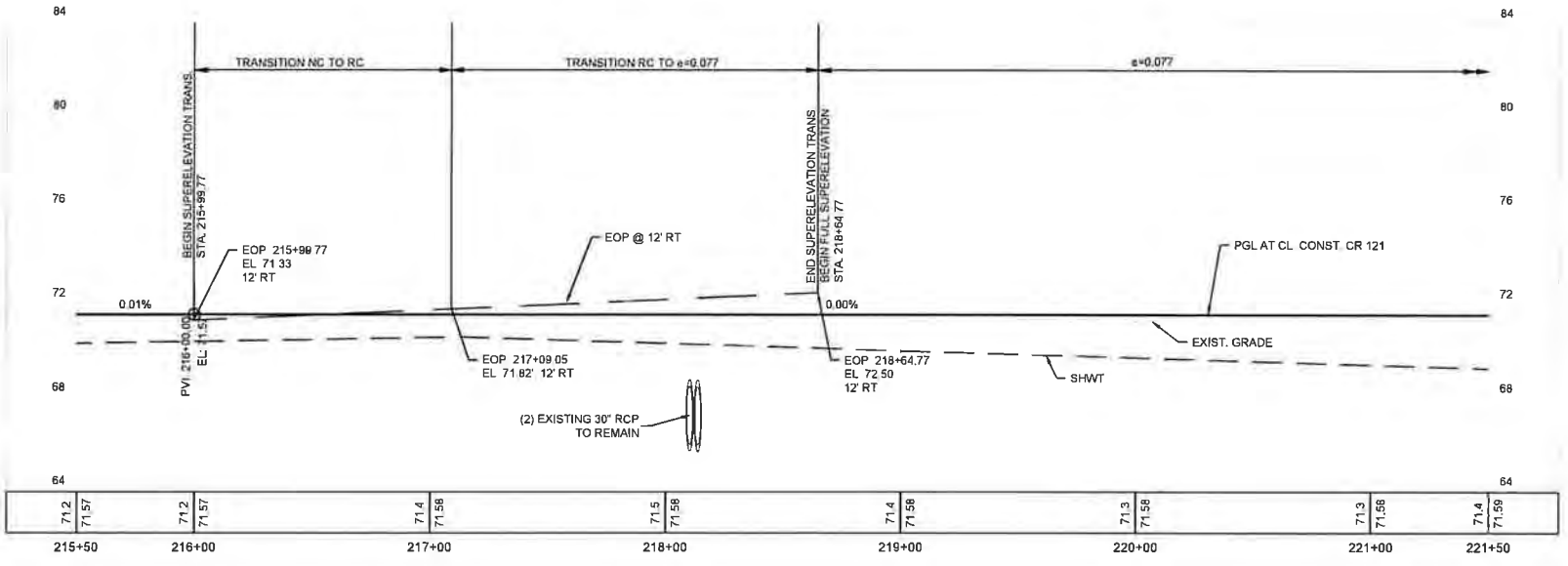
SHEET NUMBER
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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C1	1908.14'	1165.79'	N17°55'31"W	1147.75'	35°00'19"	601.73'	-0.077



SCALE
HORZ 1"=50'
VERT. 1" =5'

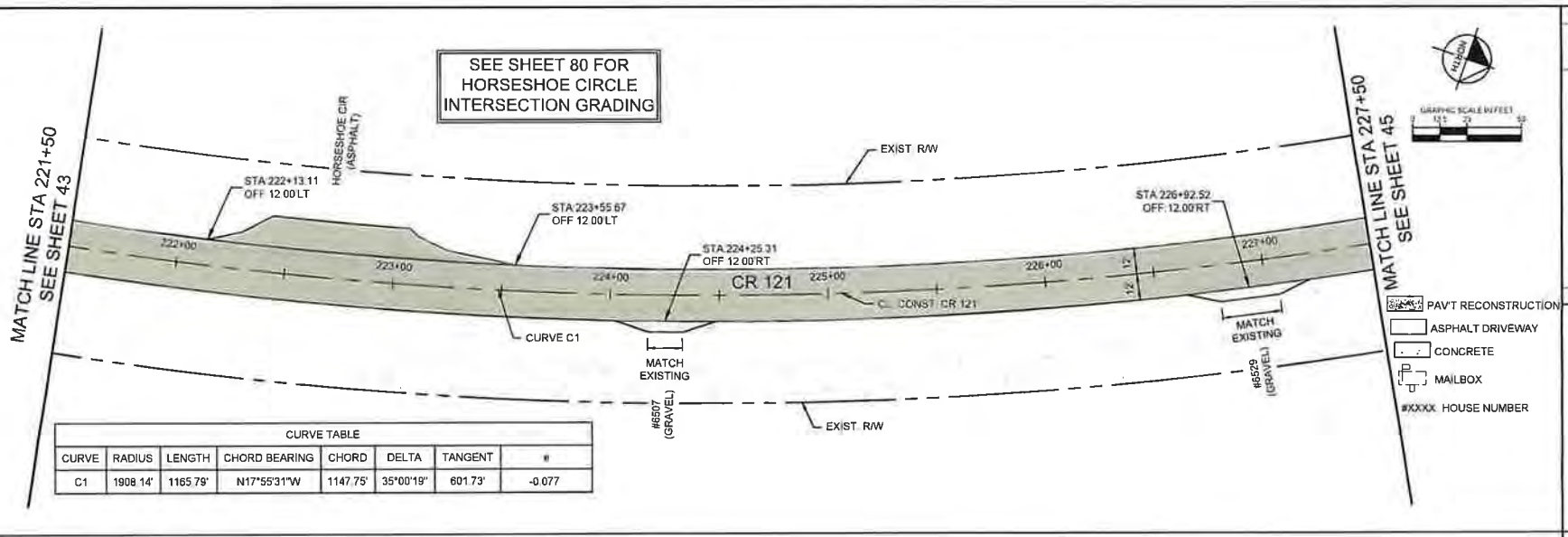
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CR 121 PHASE 1
NASSAU COUNTY

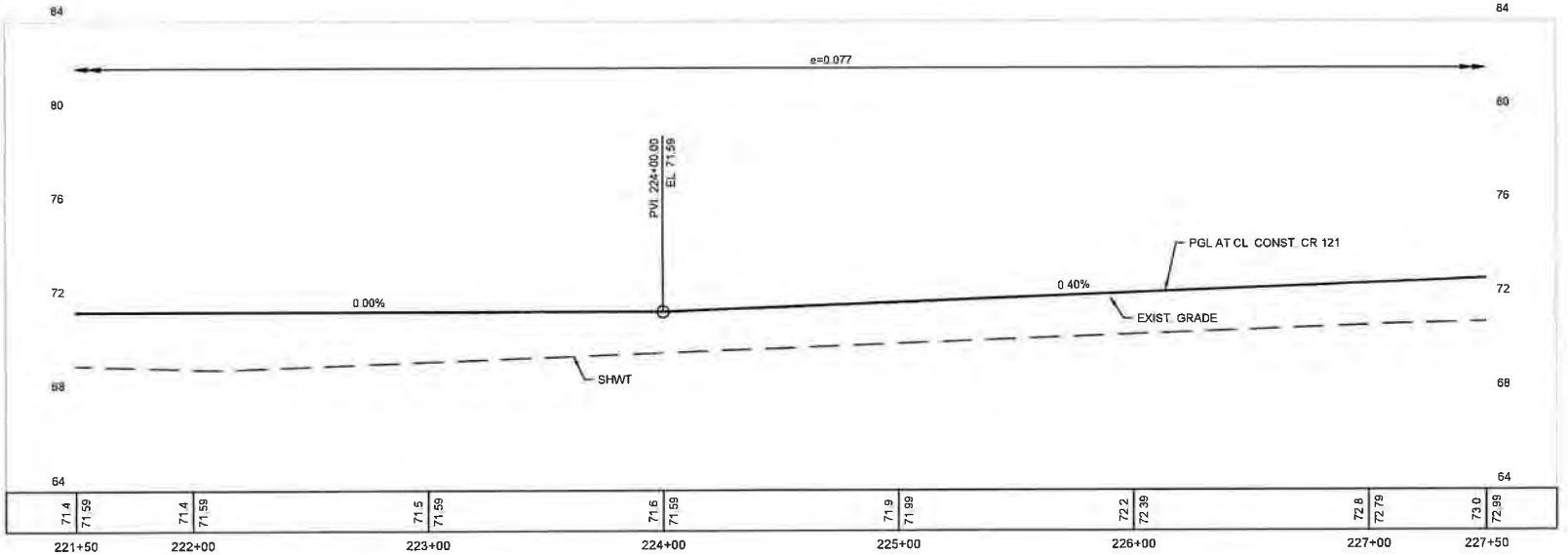
SHEET NUMBER
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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C1	1908.14'	1165.79'	N17°55'31"W	1147.75'	35°00'19"	601.73'	-0.077



SCALE
HORZ. 1"=50'
VERT. 1"=5'

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12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FL 32258
PHONE: 904-828-3400

NO.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL ENGINEER
JESSICA NOVAK P.E.
FLORIDA LICENSE NUMBER
90846
DATE:

KHA PROJECT
045048025
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

FLORIDA

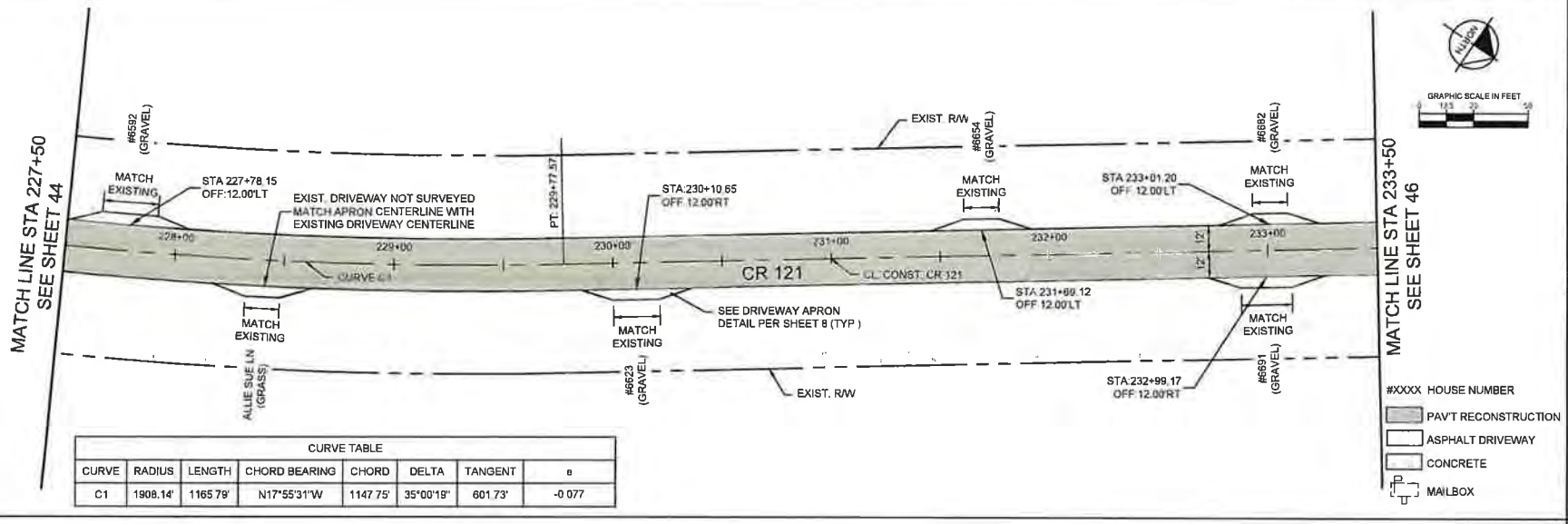
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY

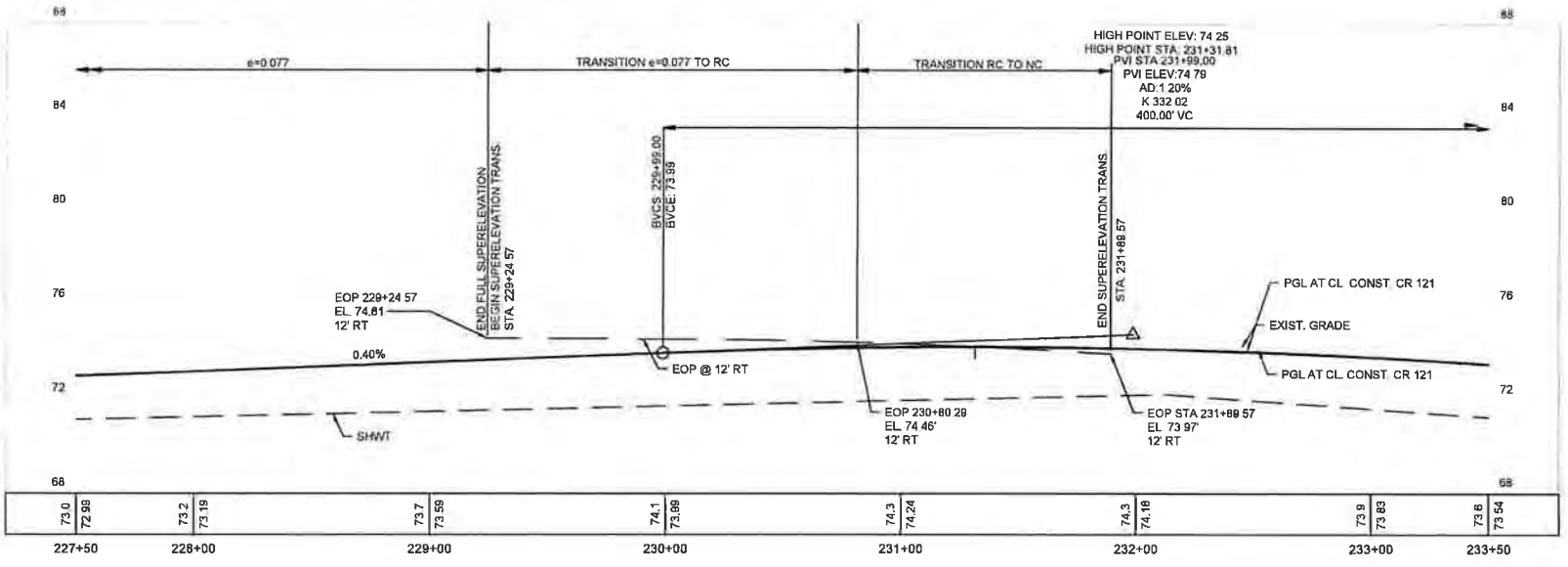
SHEET NUMBER
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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C1	1908.14'	1165.79'	N17°55'31"W	1147.75'	35°00'19"	601.73'	-0.077



SCALE:
HORZ 1"=50'
VERT. 1" =5'

Kimley»Horn

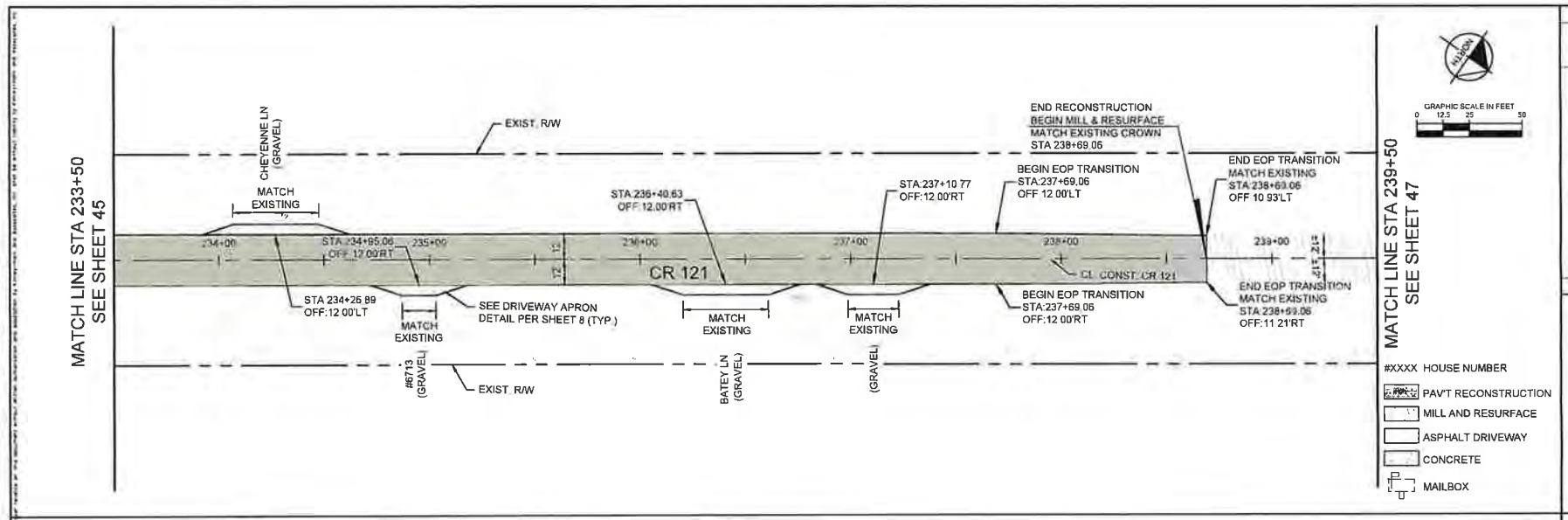
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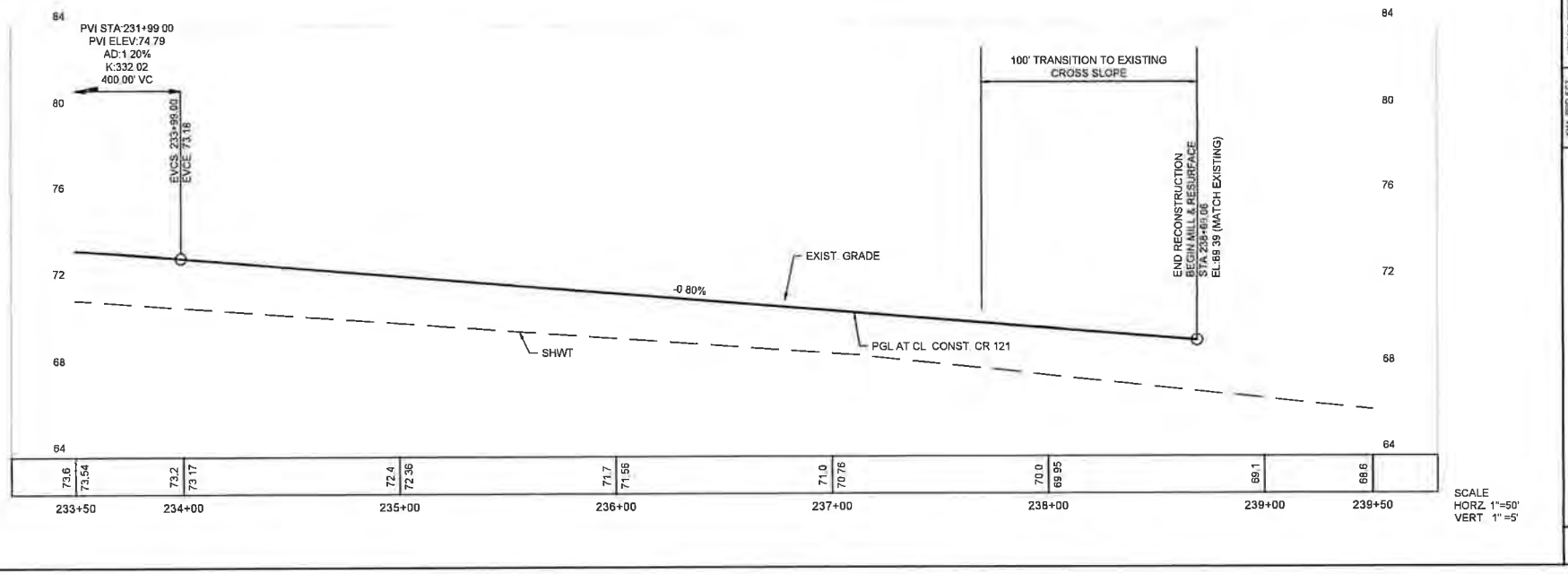
CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
45

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JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

LICENSED PROFESSIONAL
JESSICA NOVAK P.E.
FLORIDA LICENSE NUMBER 90648
STATE OF FLORIDA

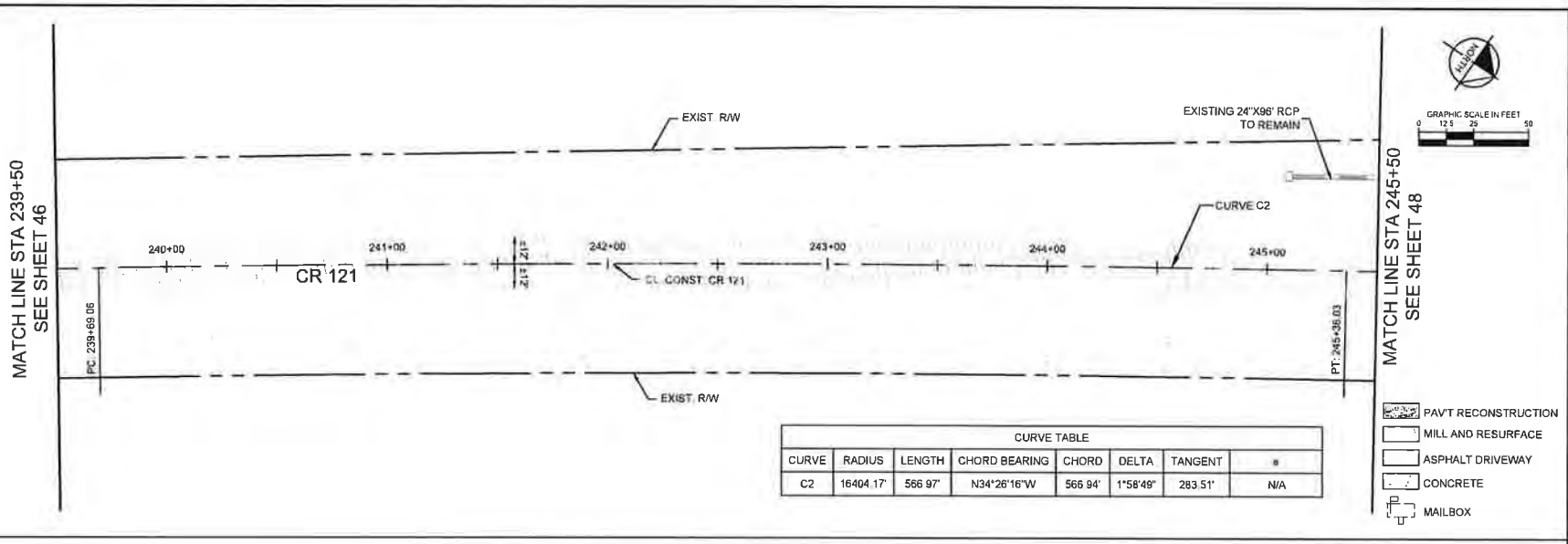
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY, FLORIDA

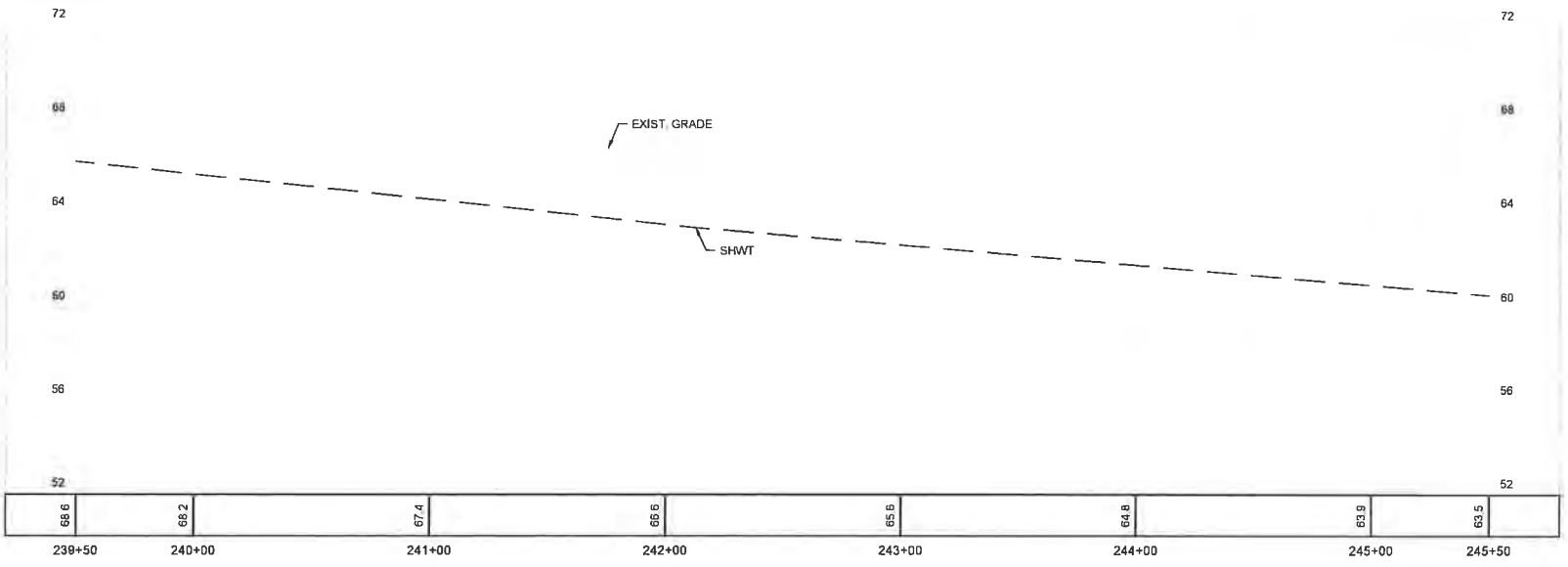
SHEET NUMBER
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C2	16404.17'	566.97'	N34°26'16"W	566.94'	1°58'49"	283.51'	N/A



Kimley»Horn

PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

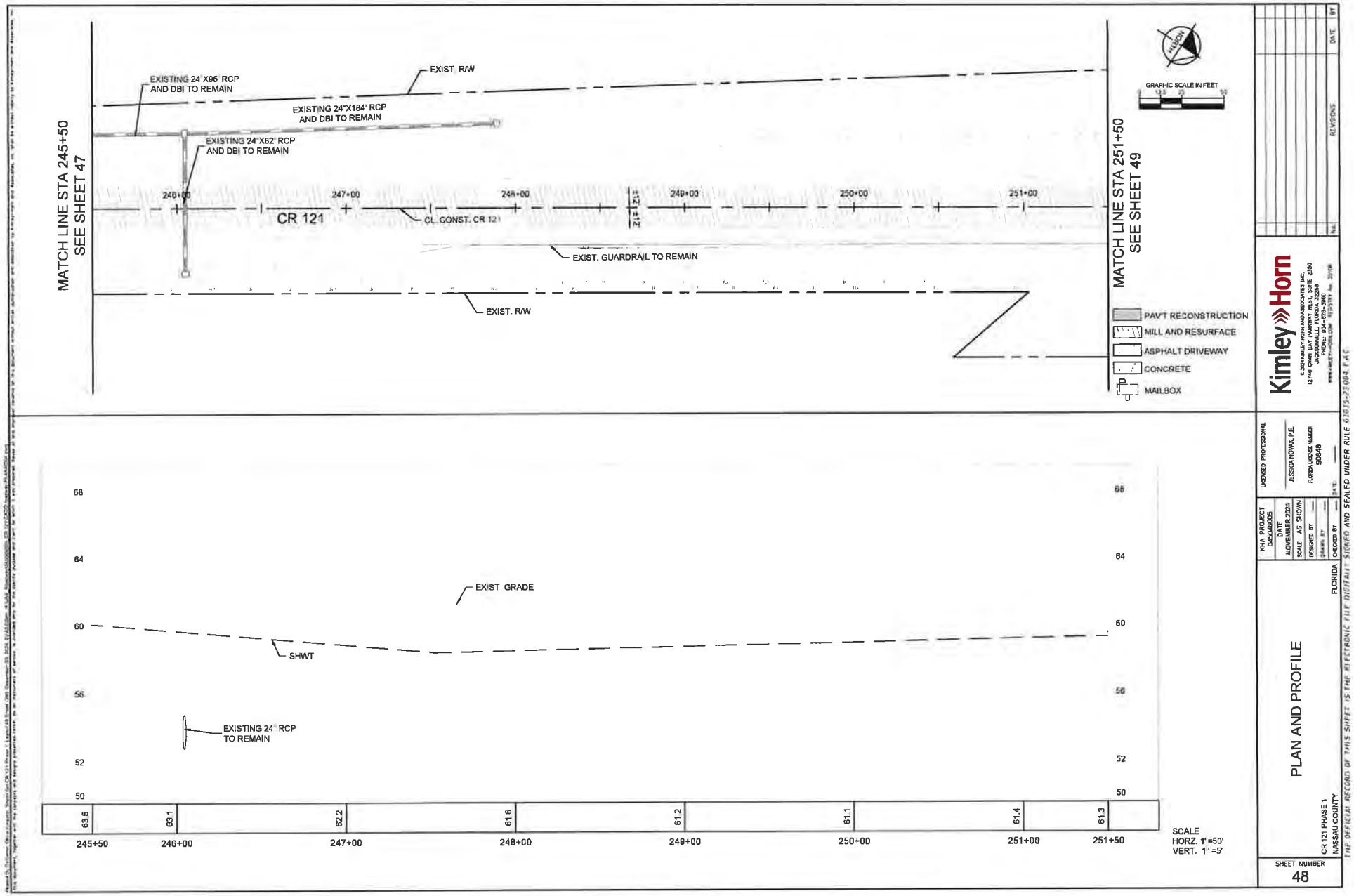
JESSICA NOVAK PE
FLORIDA LICENSE NUMBER 90848

KHA PROJECT 045068005
DATE NOVEMBER 2024
SCALE AS SHOWN

SHEET NUMBER 47

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004 F.A.C.

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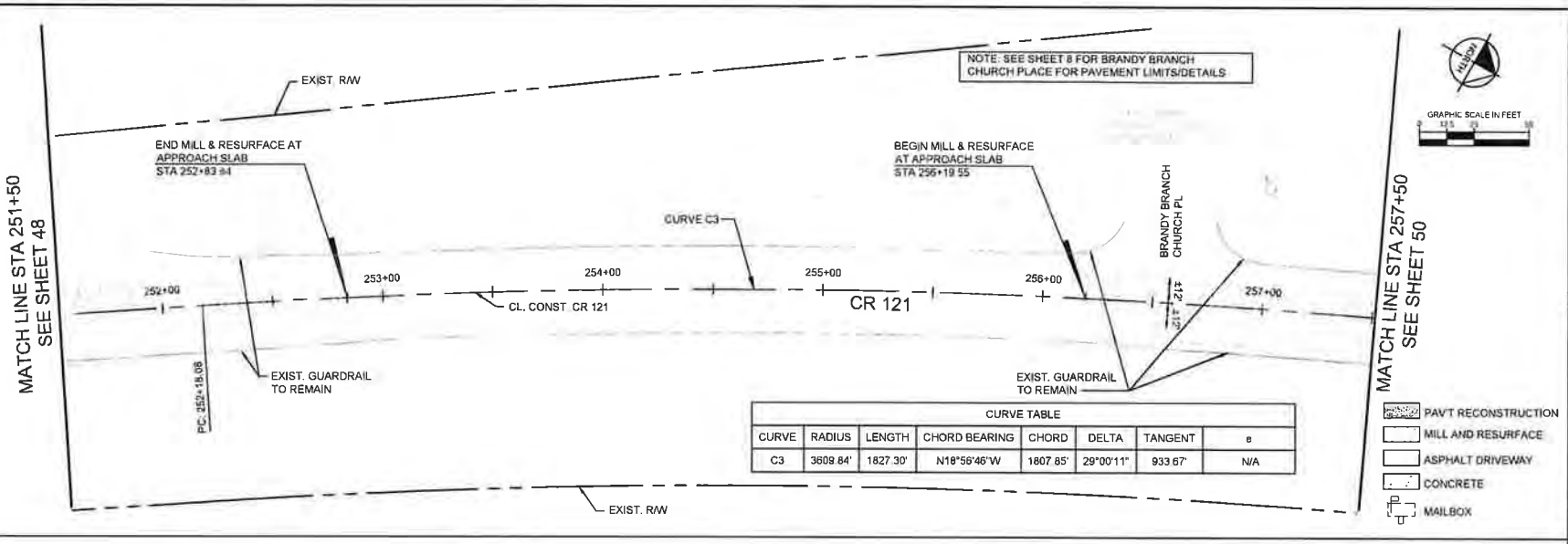
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

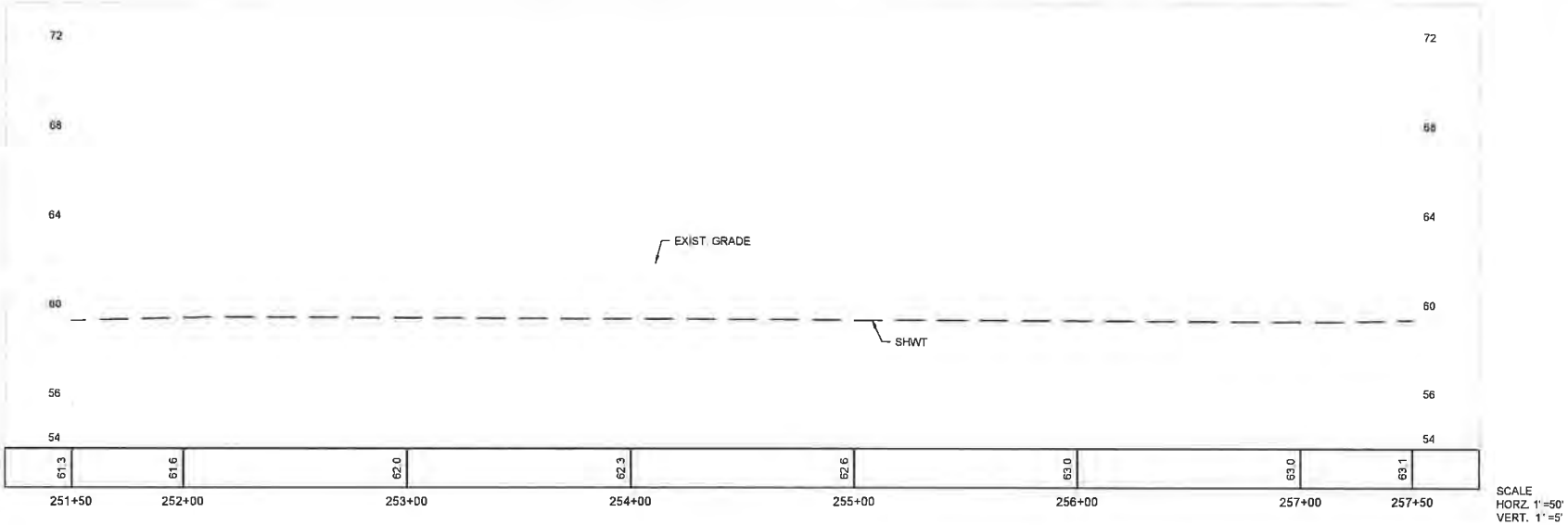
SHEET NUMBER
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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C3	3609.84'	1827.30'	N18°56'46"W	1807.85'	29°00'11"	933.67'	N/A



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JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REG. NO. 35106

REVISIONS | NO. | DATE | BY

LICENSED PROFESSIONAL: JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER: 90848
DATE:

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY: —
DRAWN BY: —
CHECKED BY: —

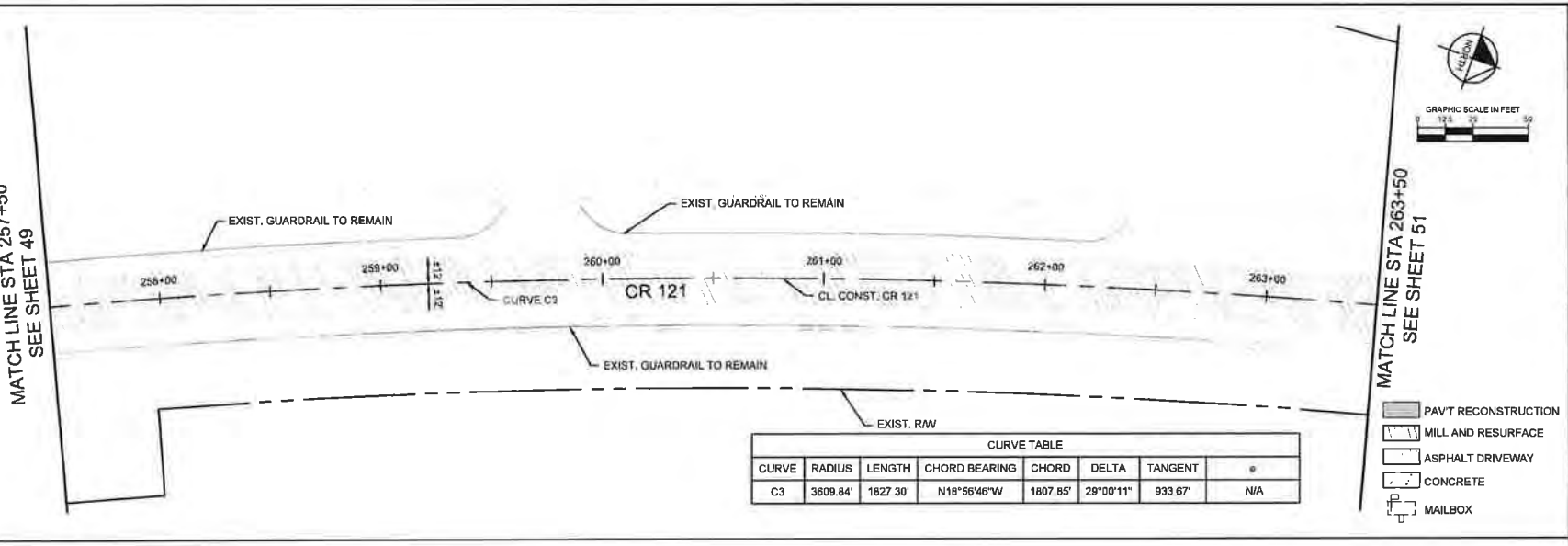
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

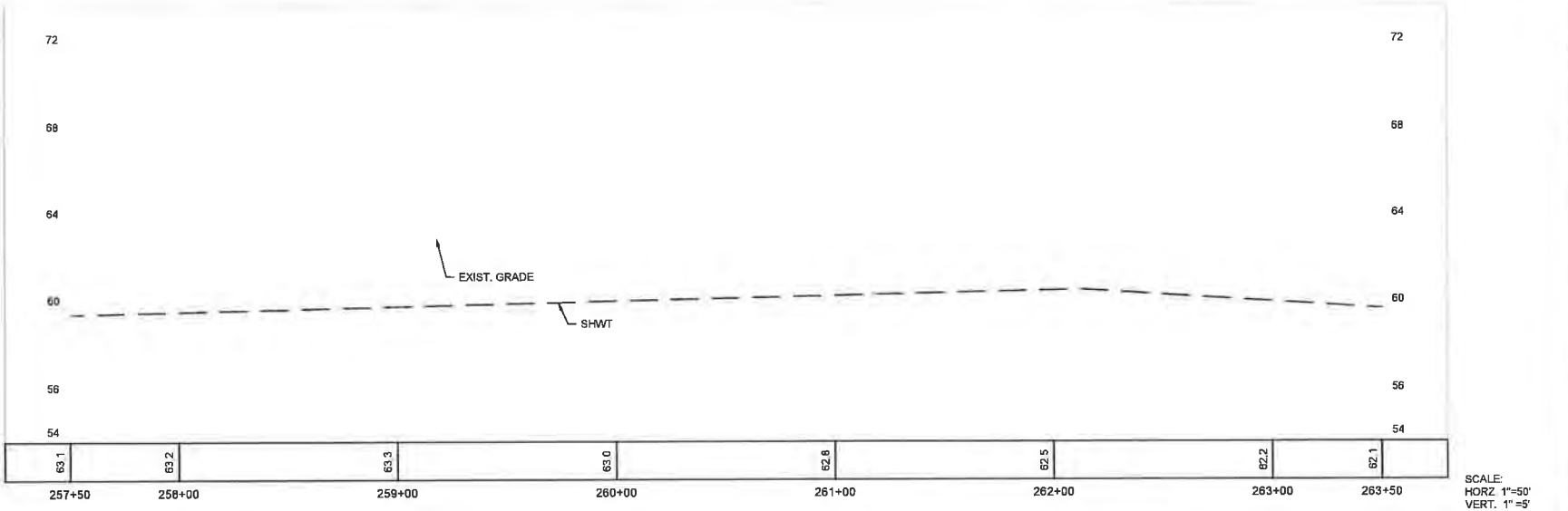
SHEET NUMBER
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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	Φ
C3	3609.84'	1827.30'	N18°56'46"W	1807.85'	29°00'11"	933.67'	N/A



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JACKSONVILLE, FL 32258-3600
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM CERTIFICATE No. 00646

NO.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848
DATE:

KHA PROJECT
045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

FLORIDA

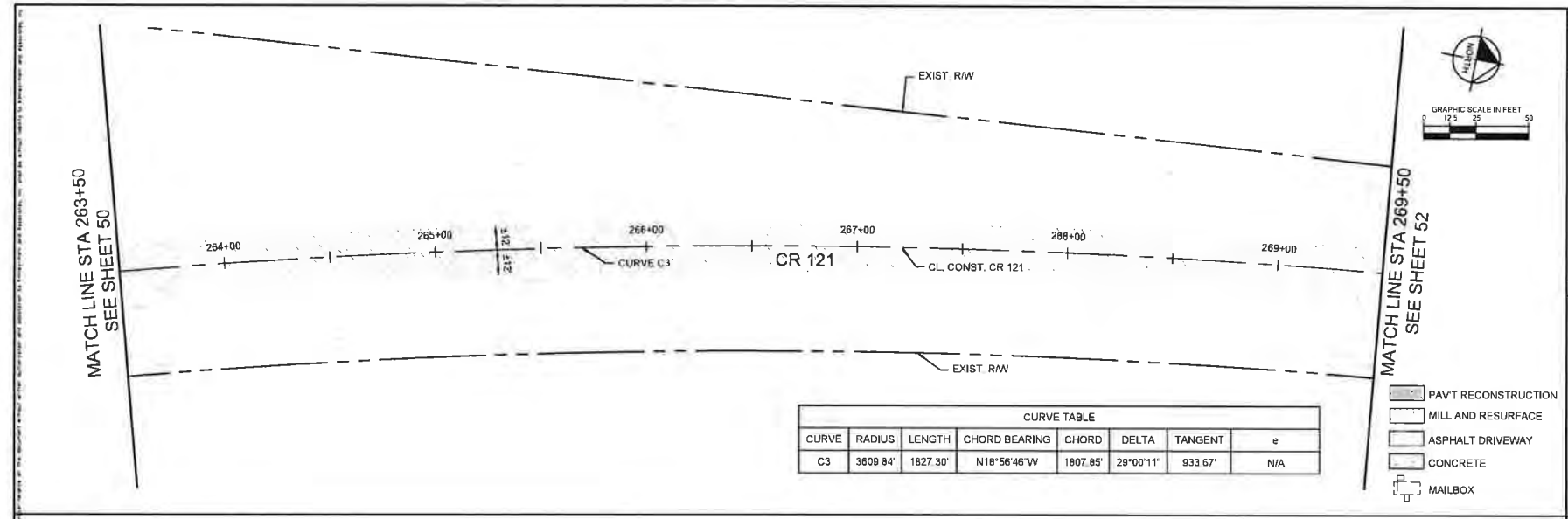
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY

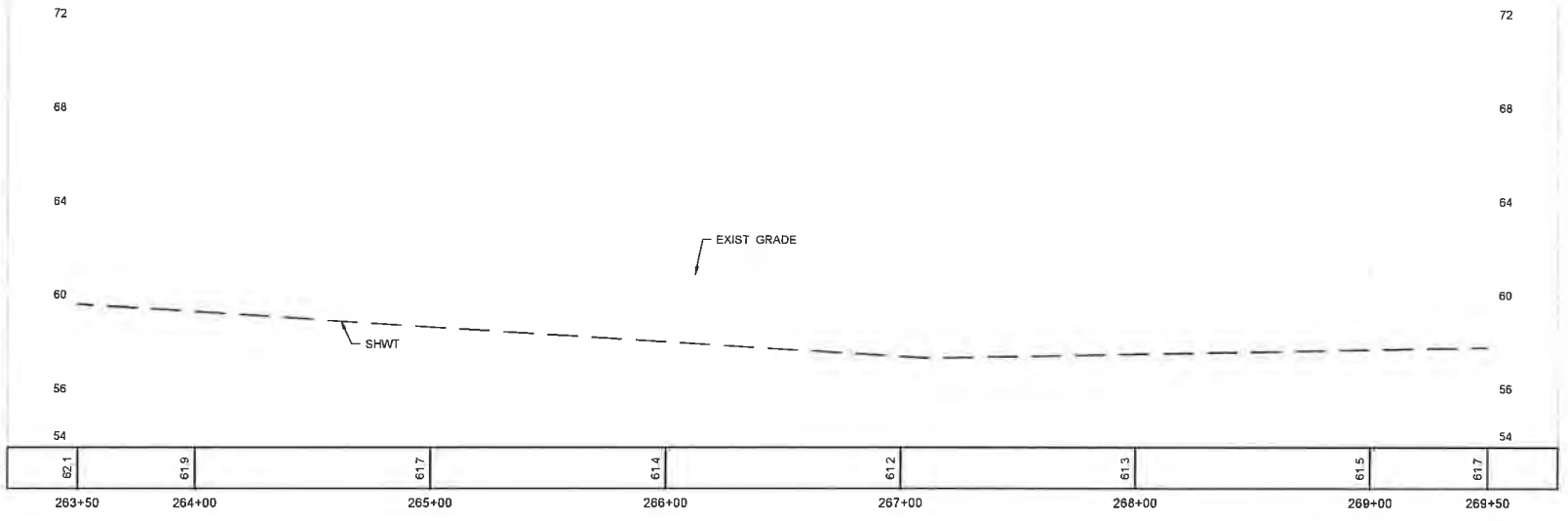
SHEET NUMBER
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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C3	3609.84'	1827.30'	N18°56'46"W	1807.85'	29°00'11"	933.67'	N/A



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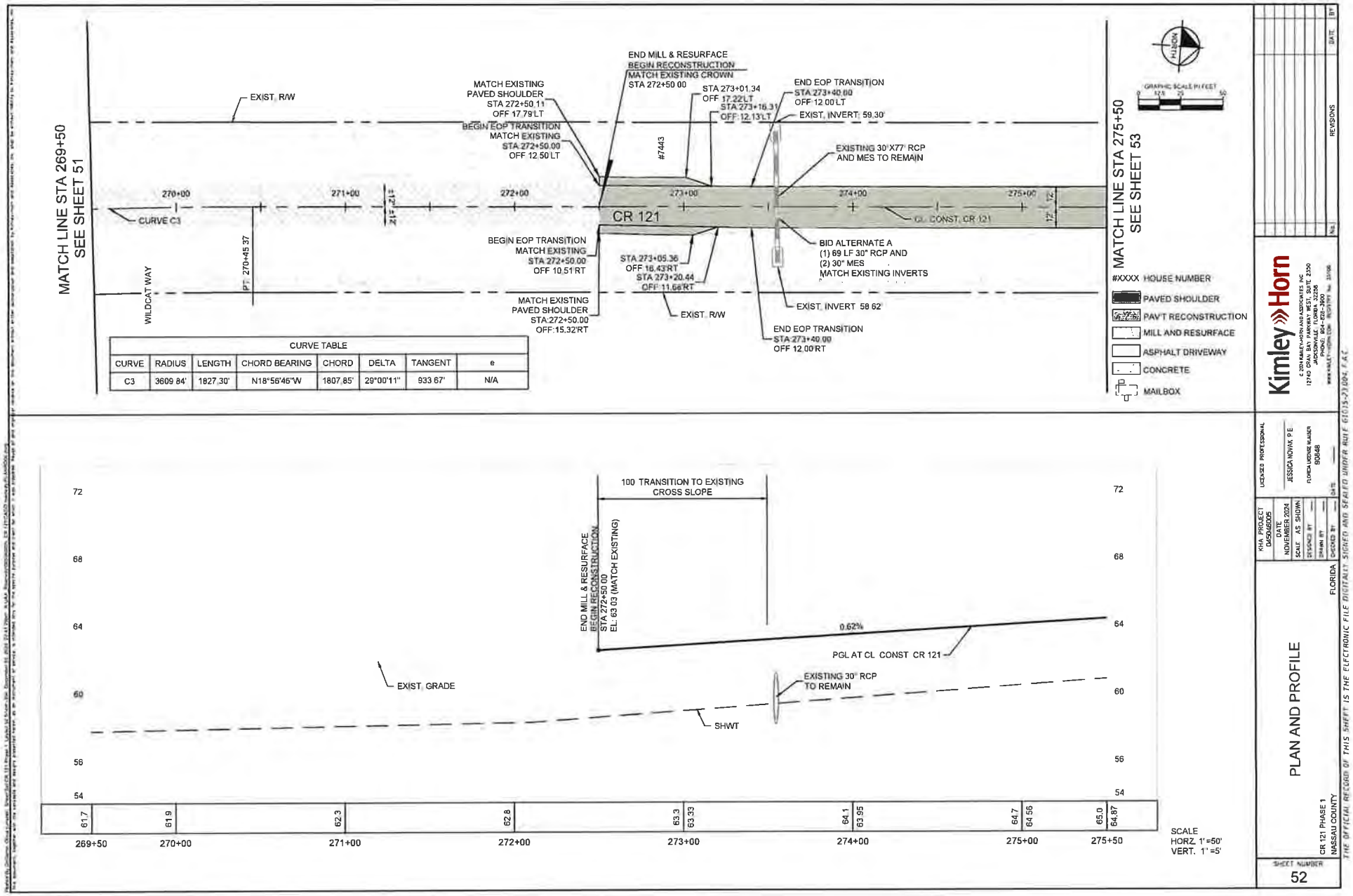
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C3	3609.84'	1827.30'	N18°56'46"W	1807.85'	29°00'11"	933.67'	N/A

SCALE
HORZ. 1"=50'
VERT. 1"=5'

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JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM CERTIFICATE No. 35106

No.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
80846
STATE
FLORIDA

KHA PROJECT
045048005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

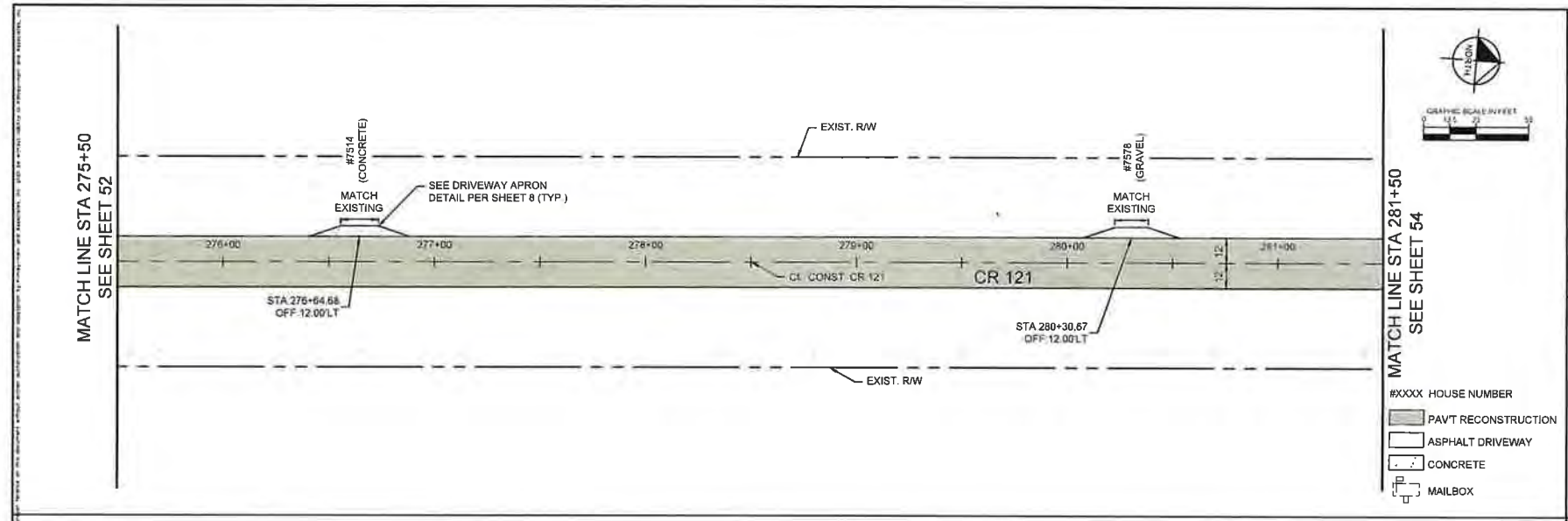
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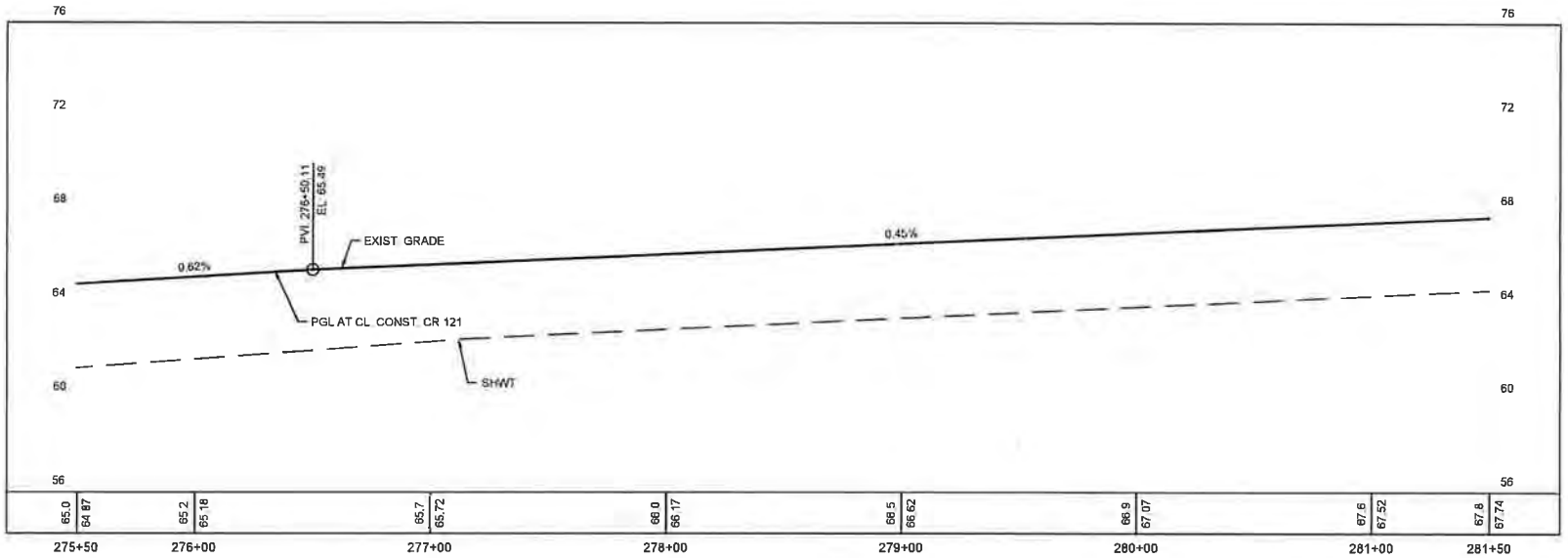
CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER
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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E





SCALE
HORZ. 1"=50'
VERT. 1" =5'

PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

KHA PROJECT 045044005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

LICENSED PROFESSIONAL
JESSICA NOVAK P.E.
FLORIDA LICENSE NUMBER 80648
DATE —

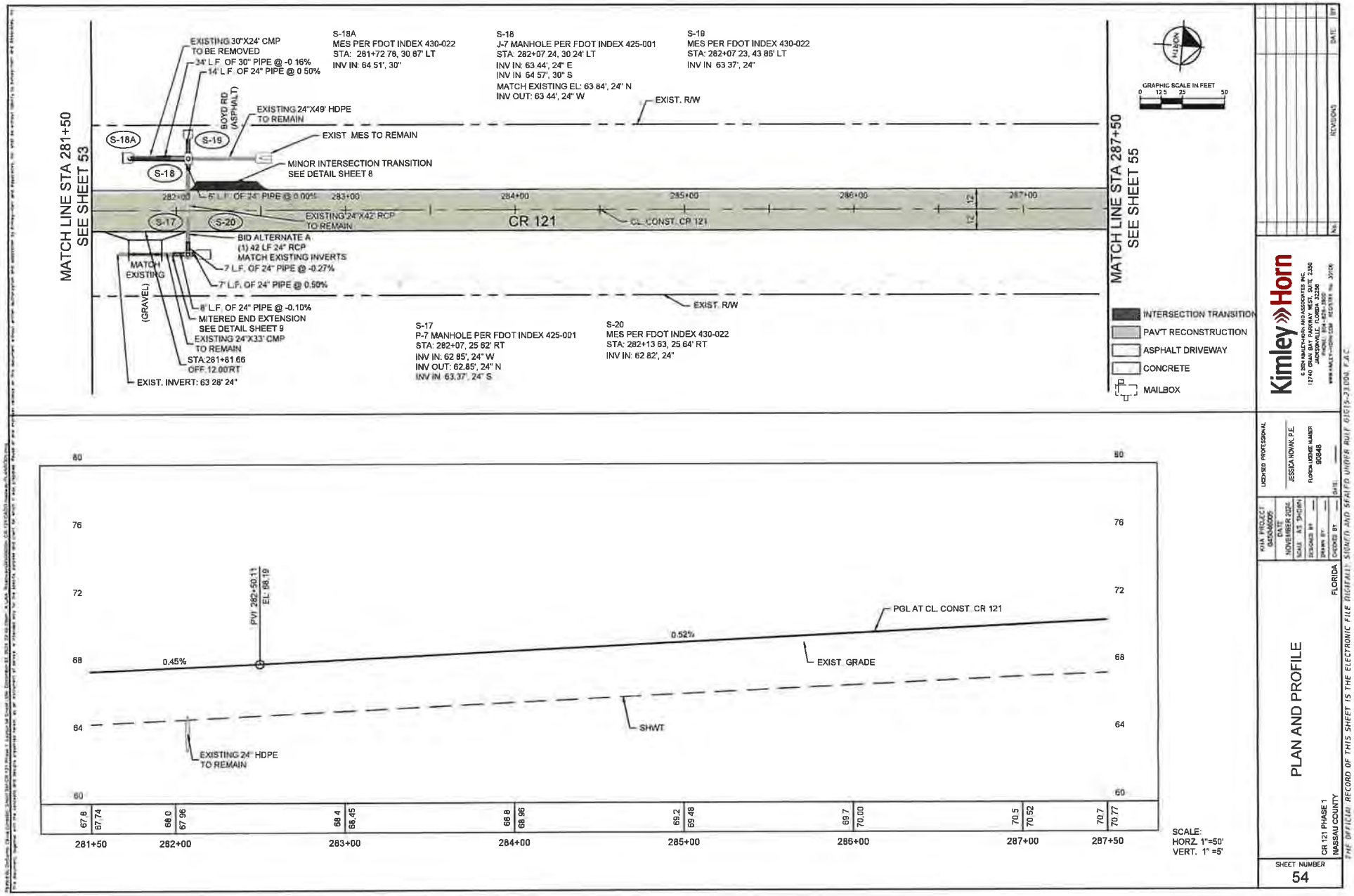
Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GATEWAY DRIVE, SUITE 200
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

NO.	REVISIONS	DATE	BY

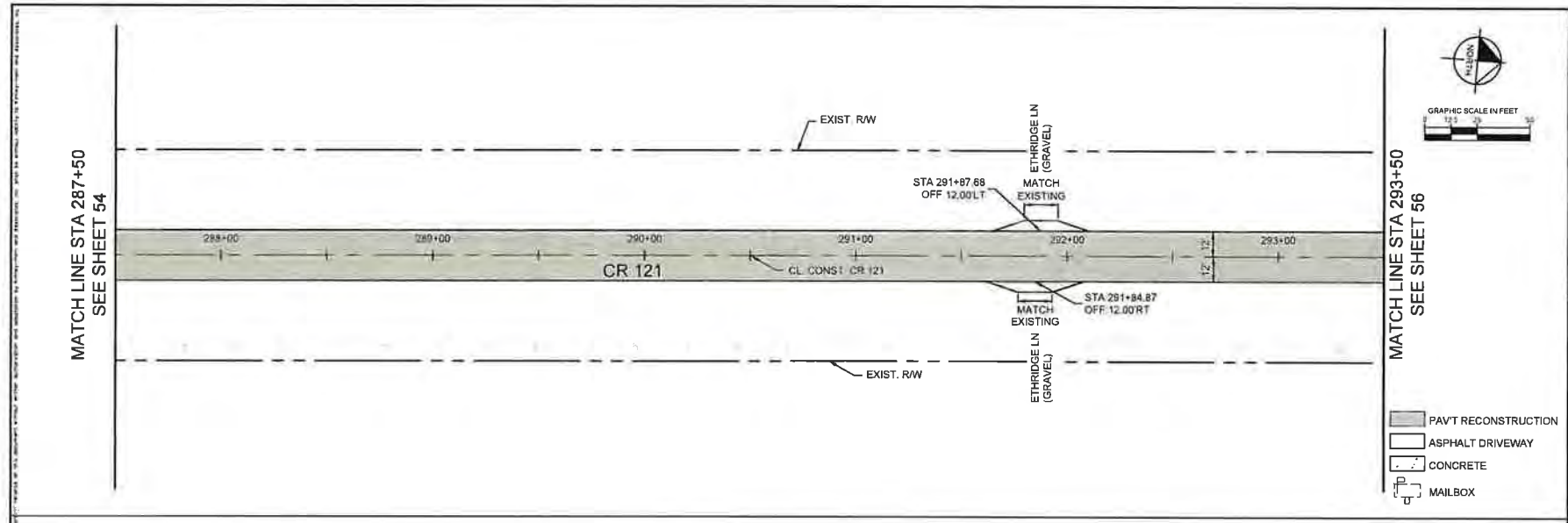
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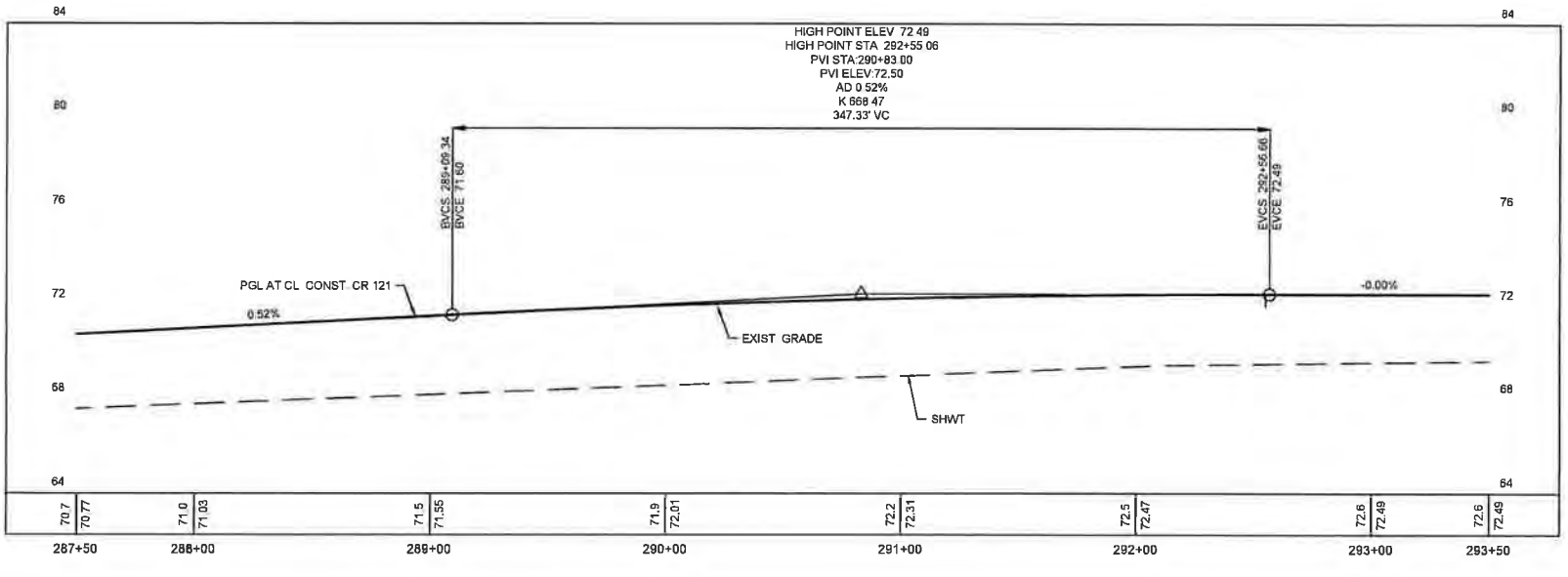
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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E





SCALE:
HORZ 1"=50'
VERT. 1" =5'

Kimley»Horn

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848
DATE
KHA PROJECT 045048009
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

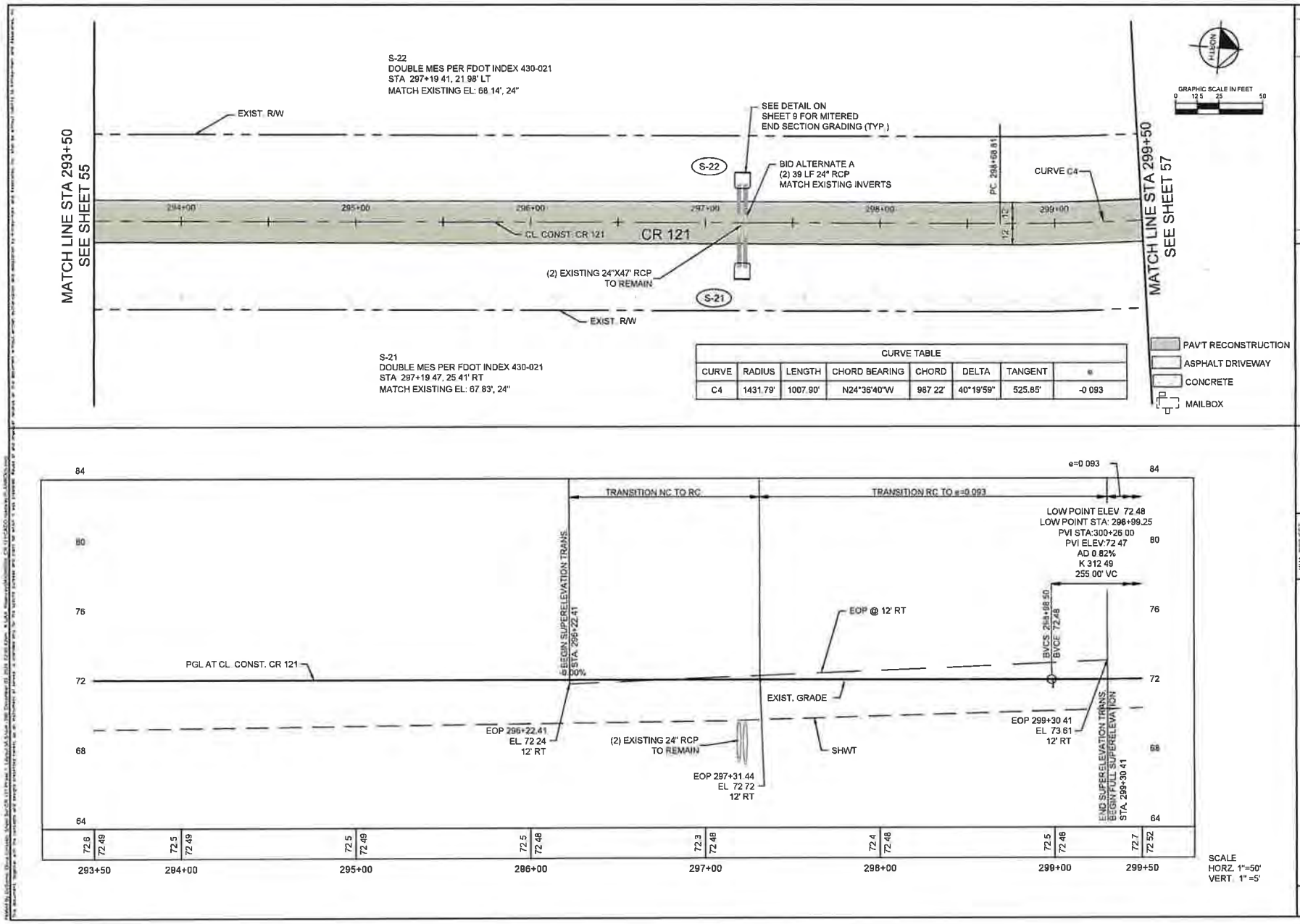
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY, FLORIDA

SHEET NUMBER
55

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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



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JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REG/LB#3591

NO.	DATE	BY	REVISIONS

LICENSED PROFESSIONAL
JESSICA NOVAK P.E.
FLORIDA LICENSE NUMBER
90848

KHA PROJECT
049046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

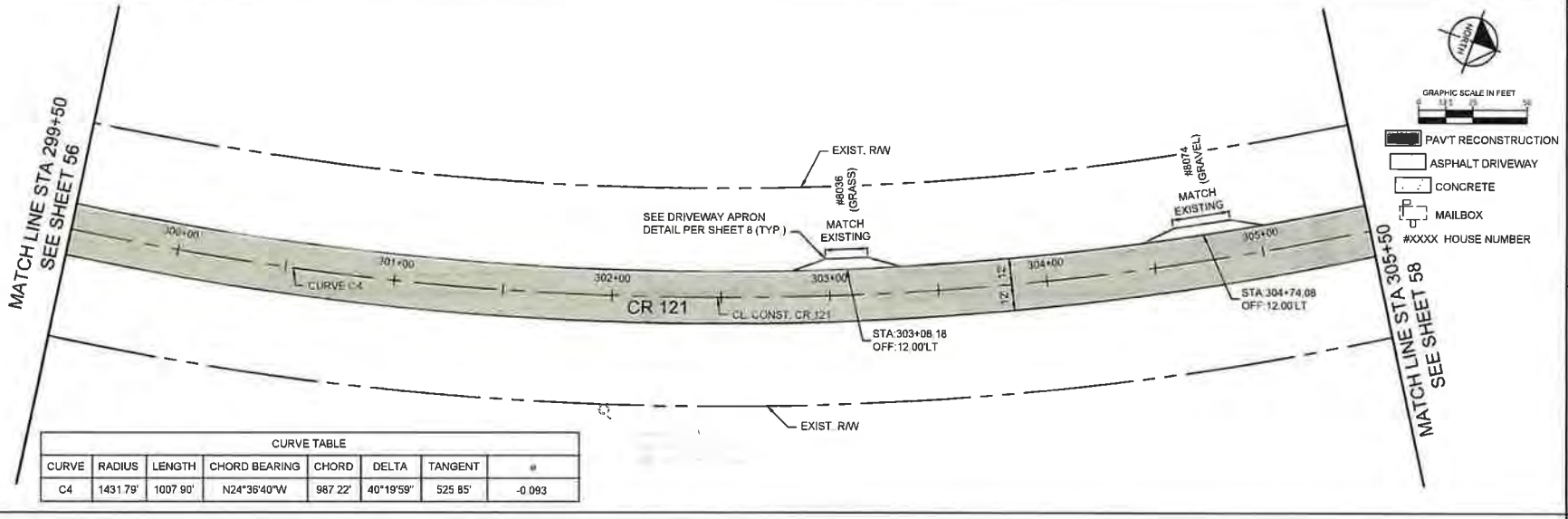
PLAN AND PROFILE

FLORIDA
CR 121 PHASE 1
NASSAU COUNTY

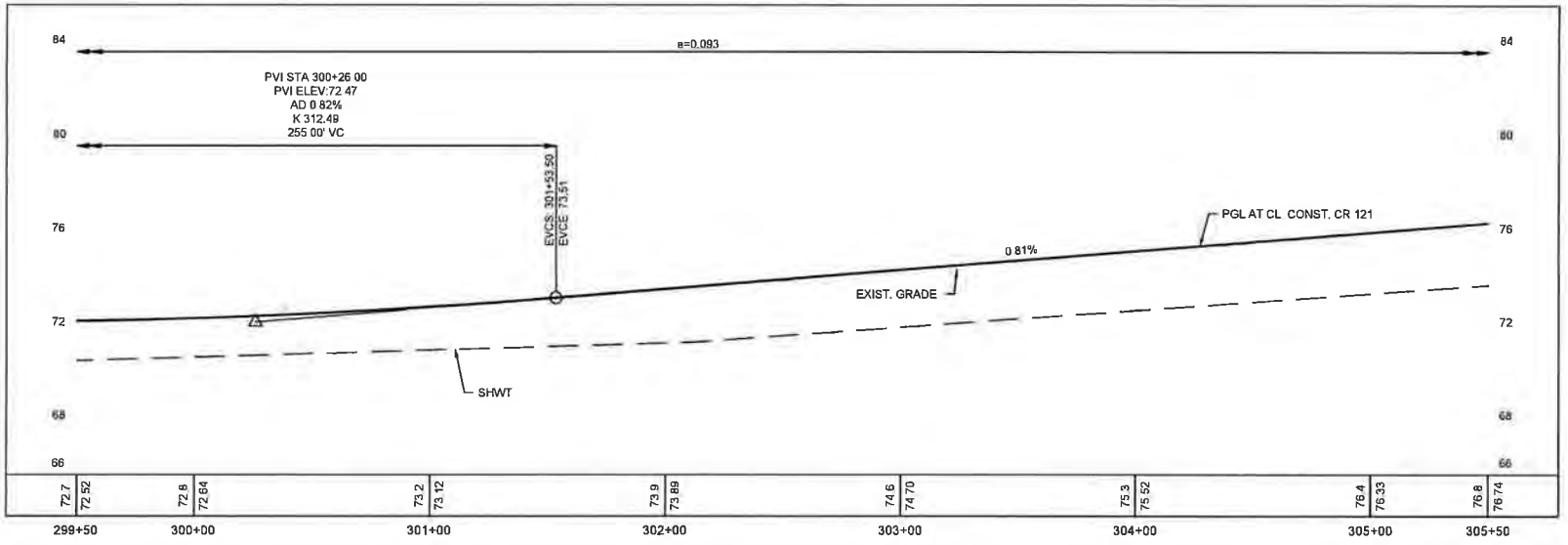
SHEET NUMBER
56

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C4	1431.79'	1007.90'	N24°36'40"W	987.22'	40°19'59"	525.85'	-0.093



SCALE
HORZ 1"=50'
VERT. 1" =5'

PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY, FLORIDA

SHEET NUMBER
57

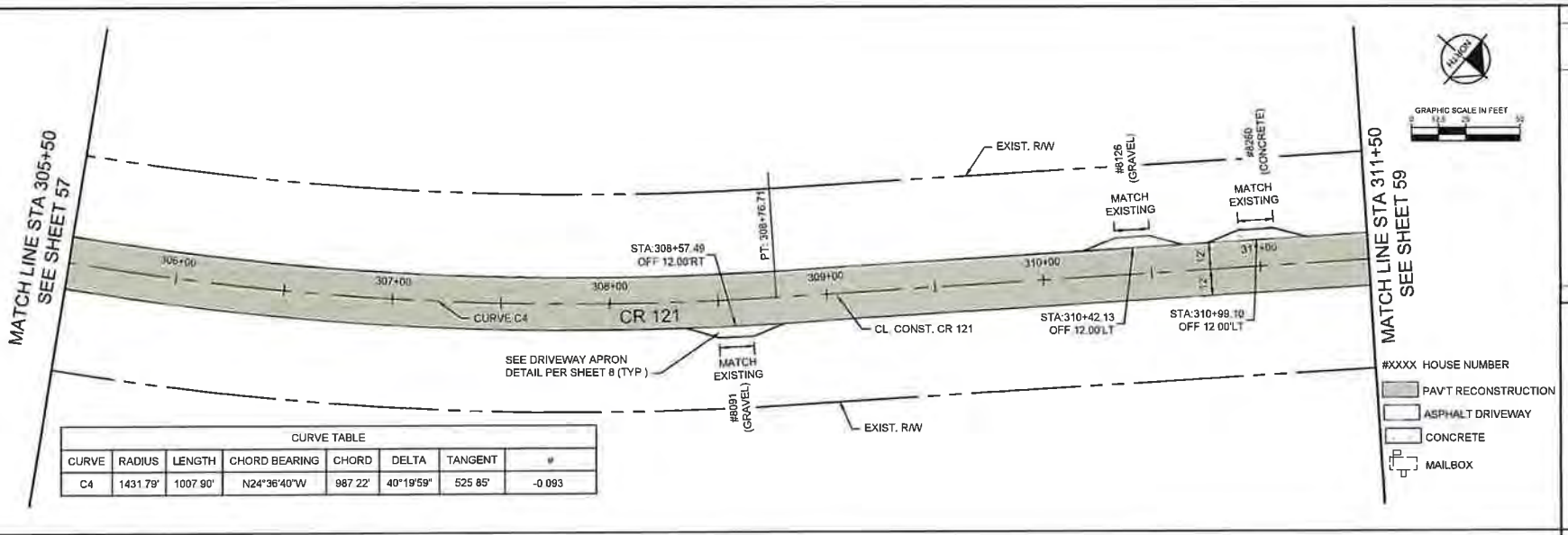
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12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
www.kimley-horn.com

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848

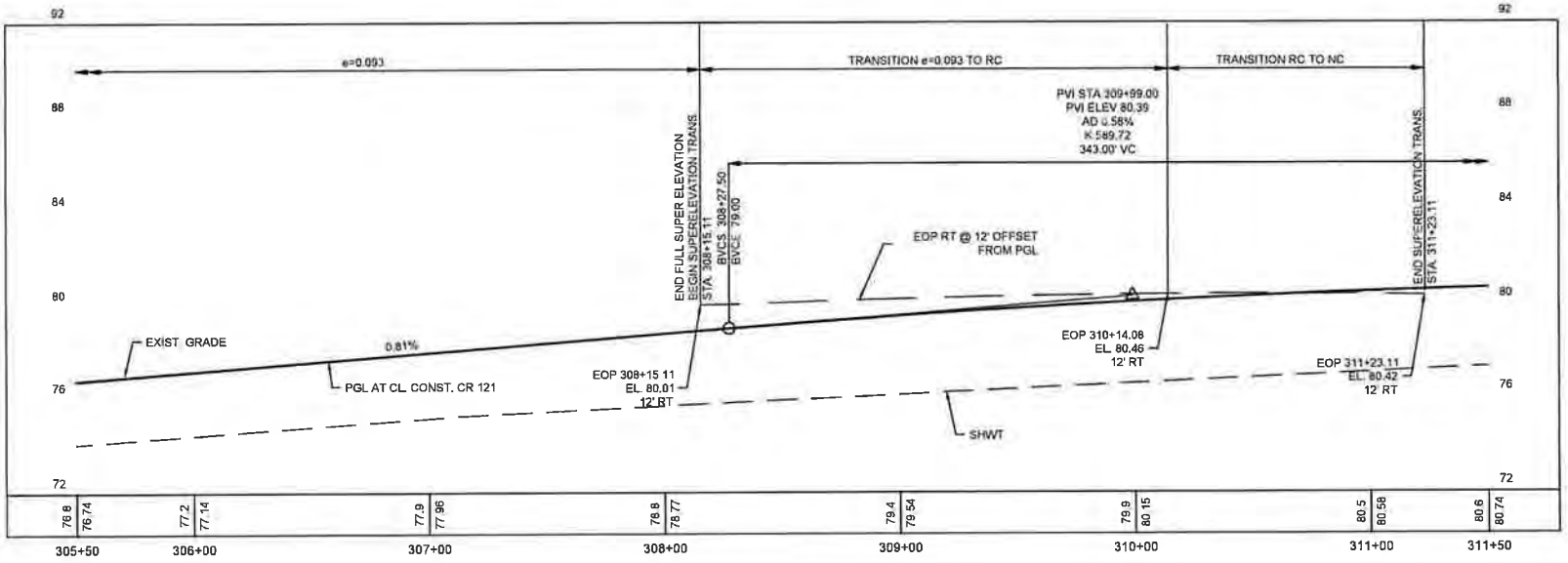
KHA PROJECT
043046000
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C4	1431.79'	1007.90'	N24°36'40"W	987.22'	40°19'59"	525.85'	-0.093



SCALE:
HORZ 1"=50'
VERT. 1" =5'

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No.	REVISIONS	DATE	BY

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BT
DRAWN BT
CHECKED BT

JESSICA NOVAK P.E.
FLORIDA LICENSE NUMBER 90848

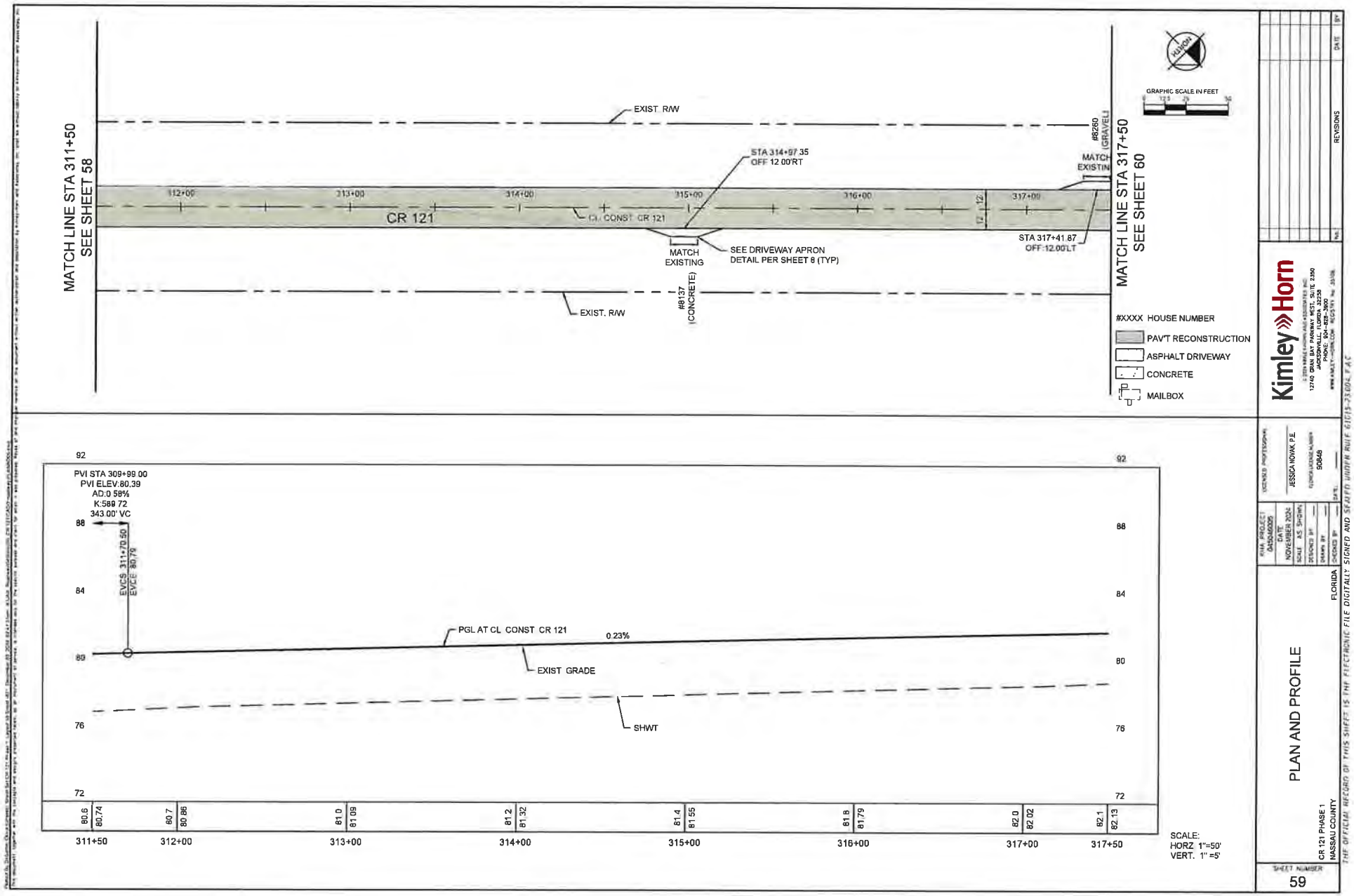
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
58

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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



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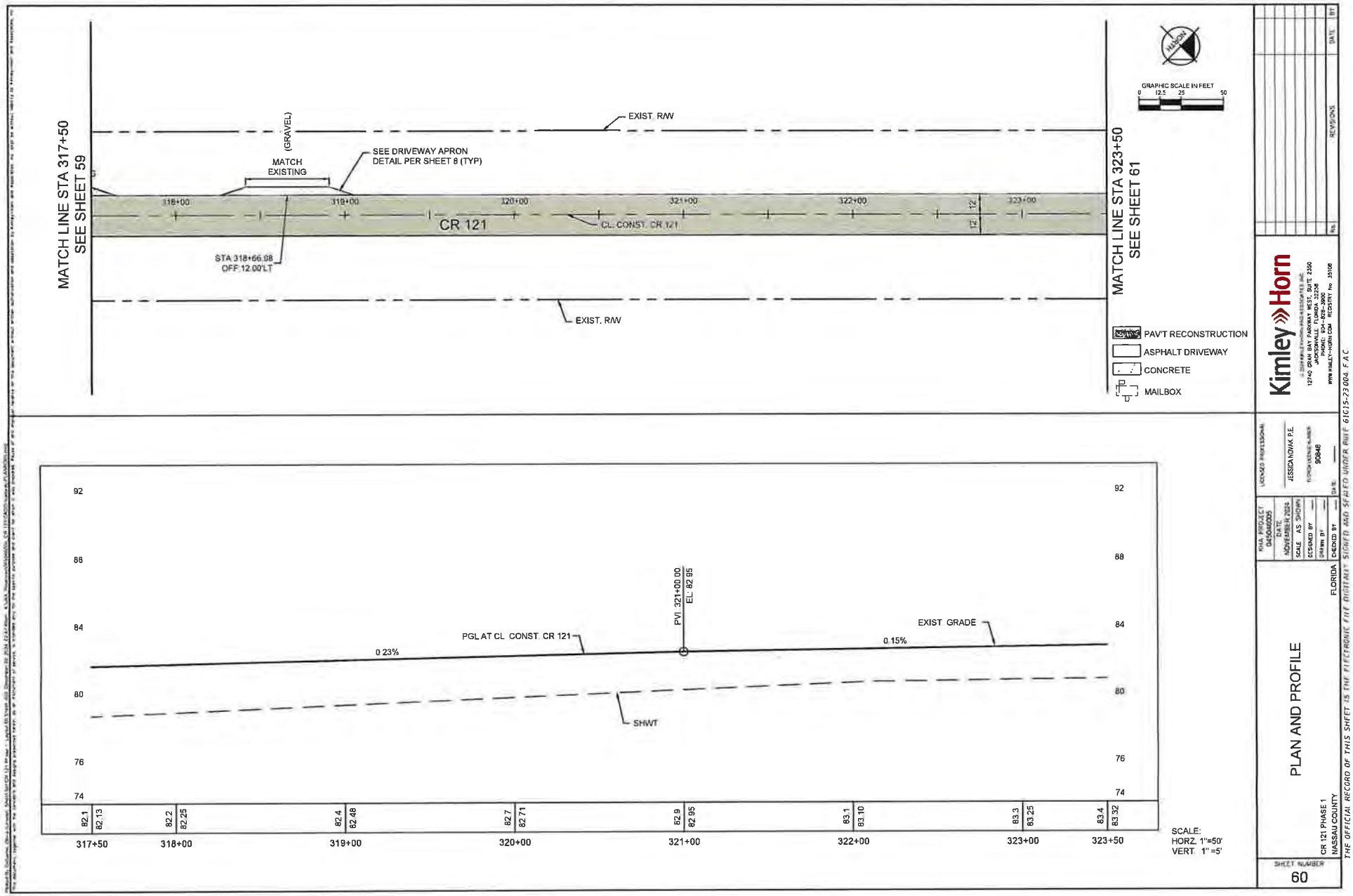
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

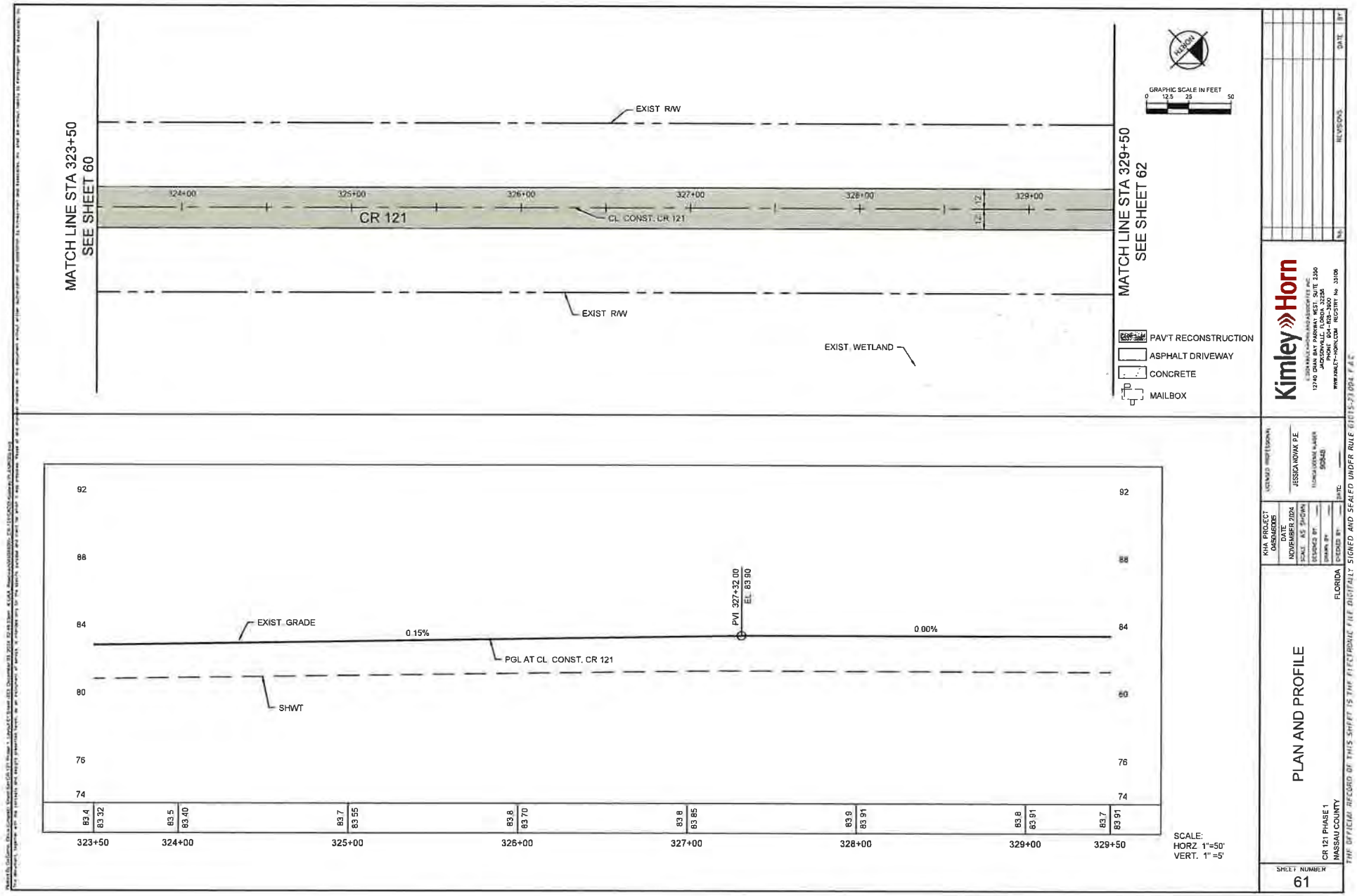
SHEET NUMBER
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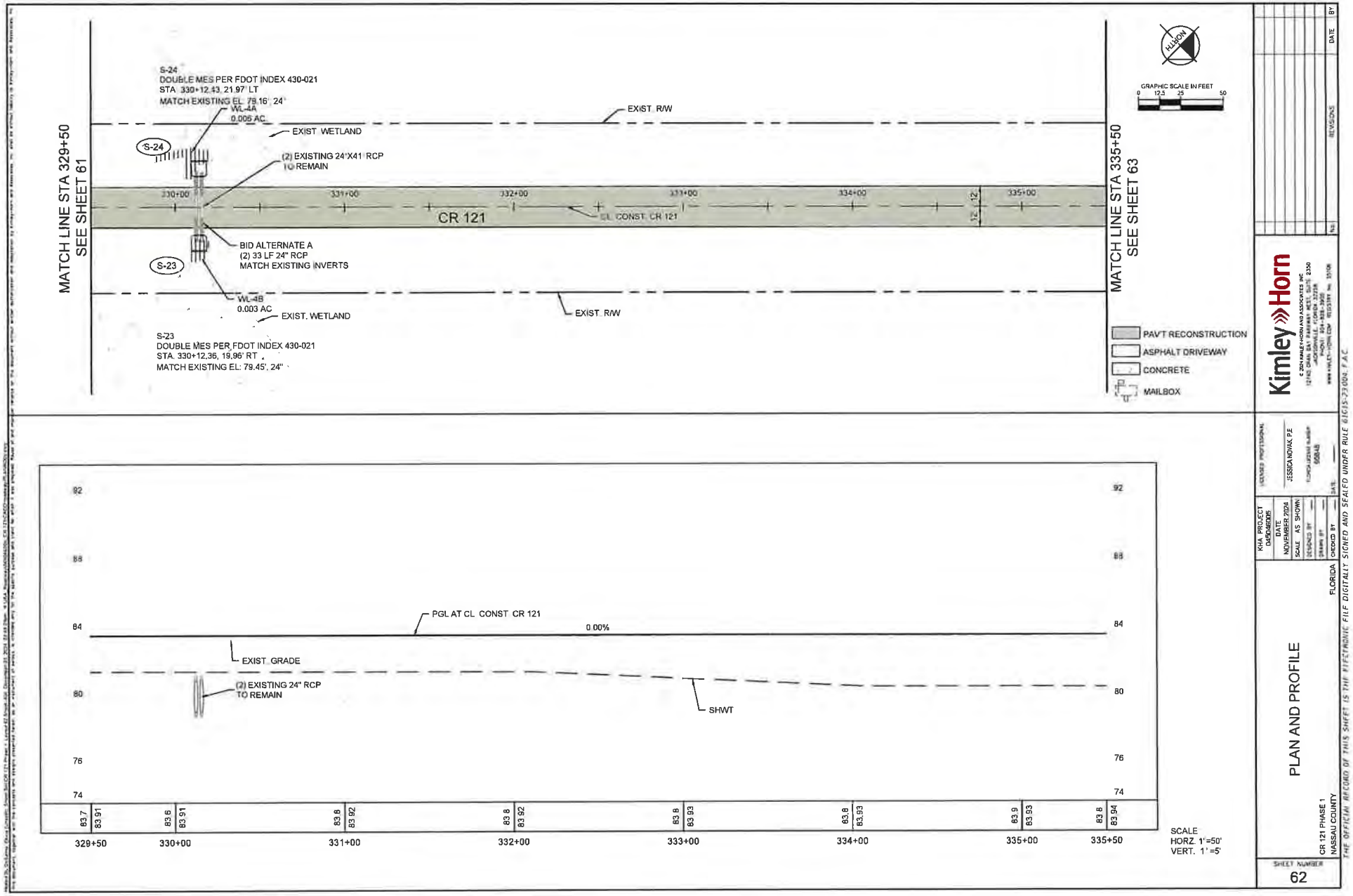
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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



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KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BT
DRAWN BT
CHECKED BT

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 66848
DATE

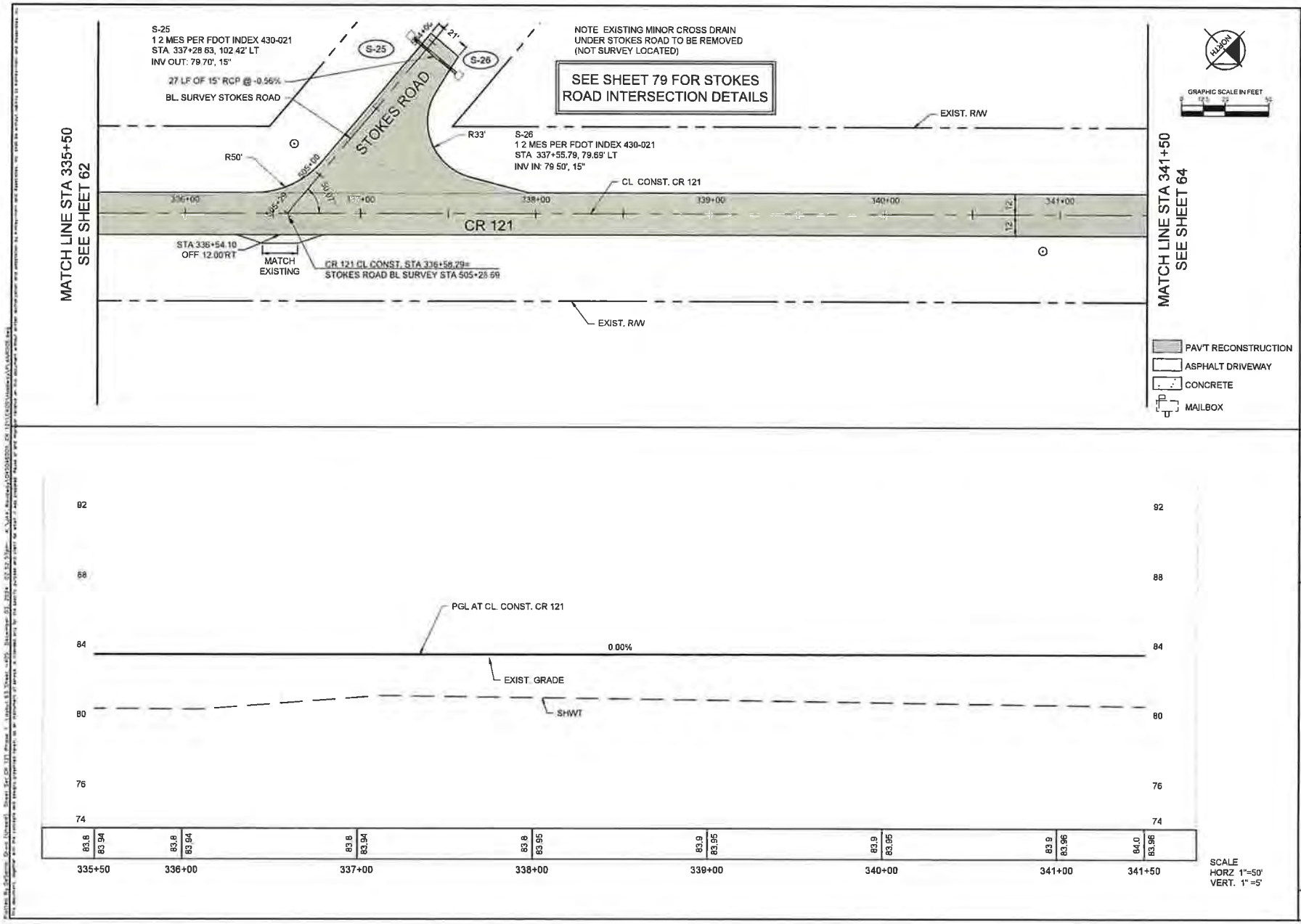
FLORIDA
CR 121 PHASE 1
NASSAU COUNTY

PLAN AND PROFILE

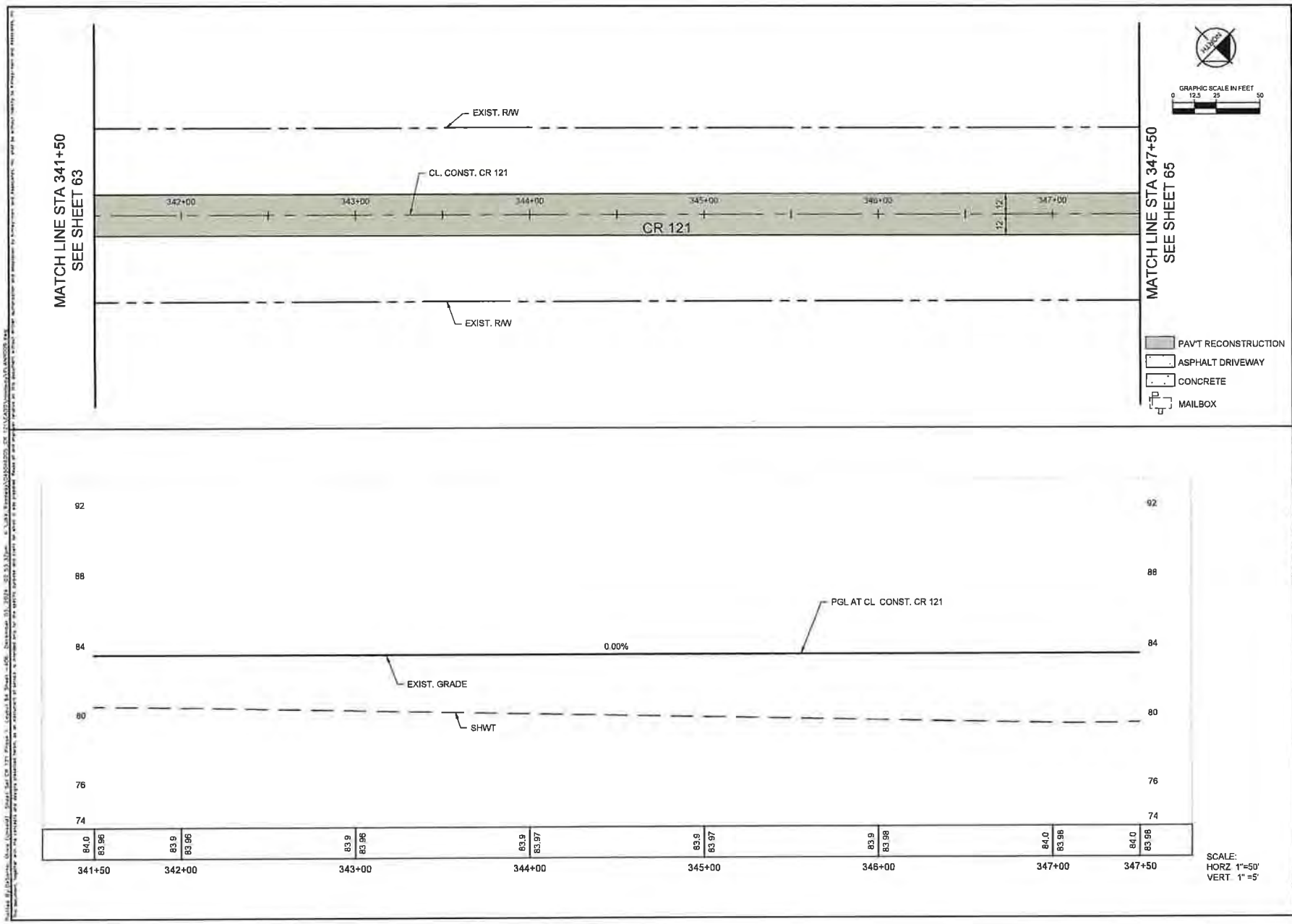
SHEET NUMBER
62

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



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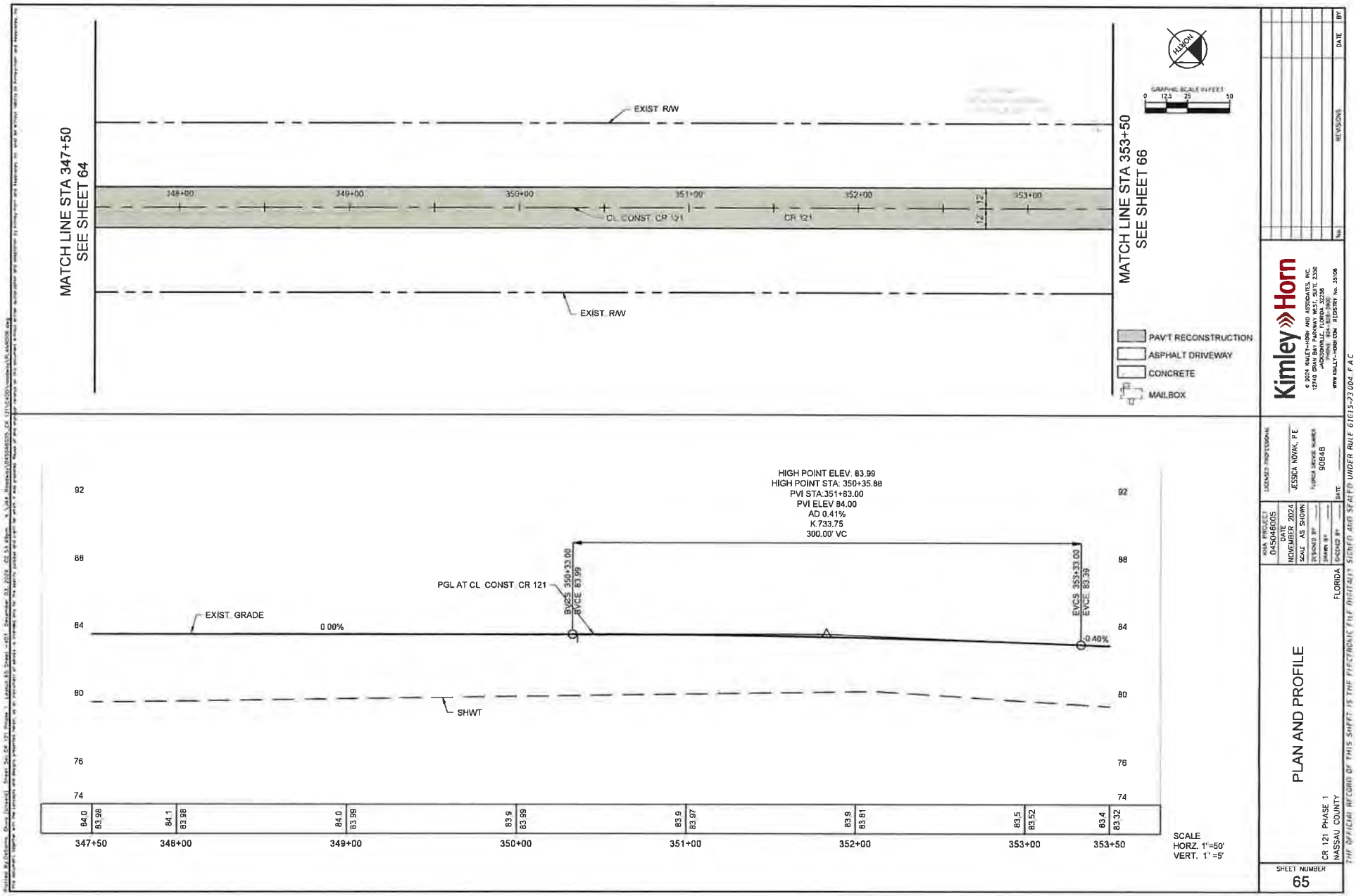
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
64

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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



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NO.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848
STATE FLORIDA
DATE

KHA PROJECT
045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

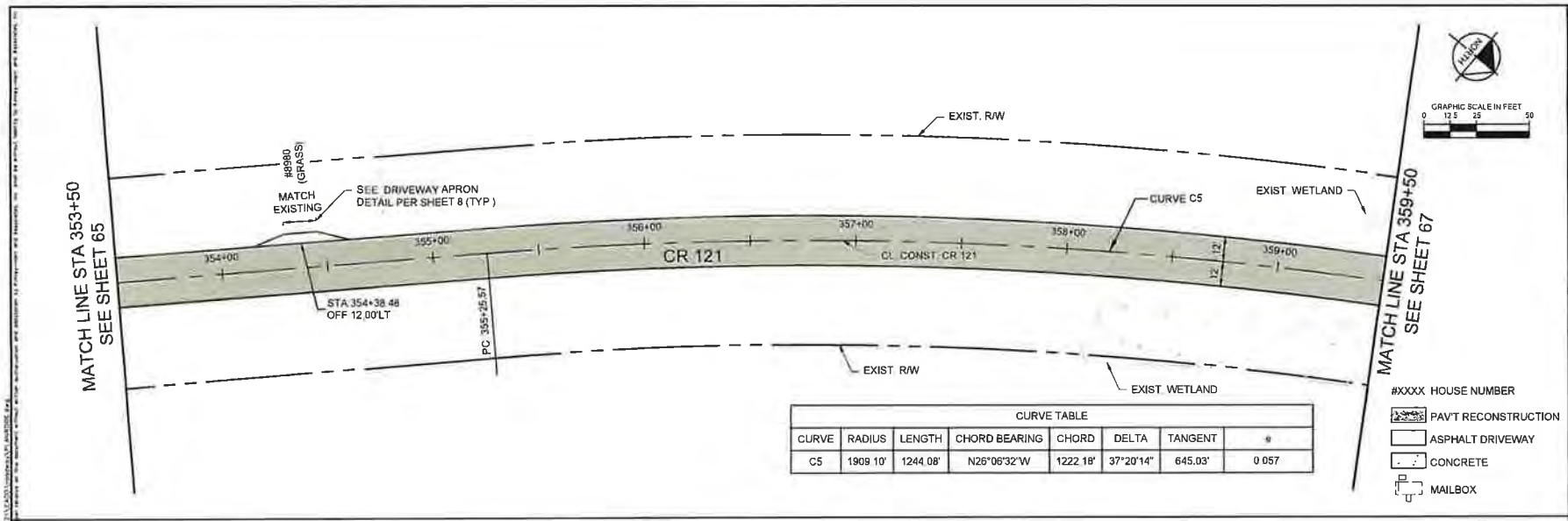
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY

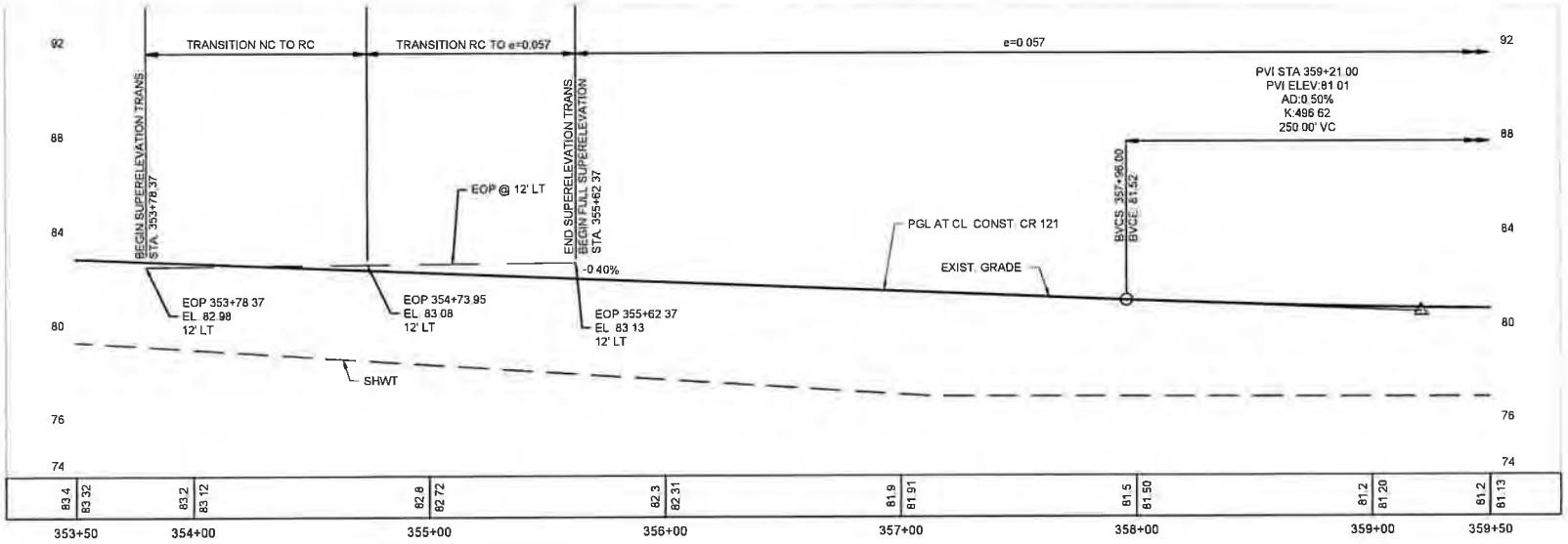
SHEET NUMBER
65

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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C5	1909.10'	1244.08'	N26°06'32"W	1222.18'	37°20'14"	645.03'	0.057



SCALE:
HORZ 1"=50'
VERT 1" =5'

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JACKSONVILLE, FLORIDA 32258
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No.	REVISIONS	DATE	BY

KHA PROJECT 045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90648
DATE:
FLORIDA

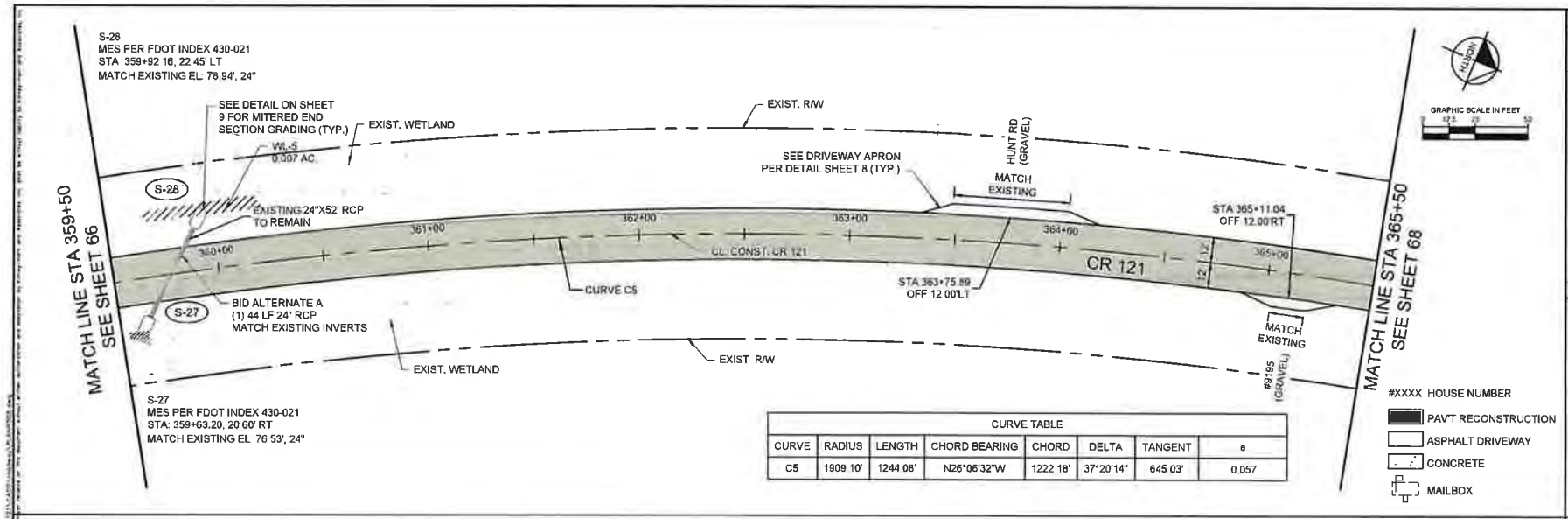
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CR 121 PHASE 1
NASSAU COUNTY

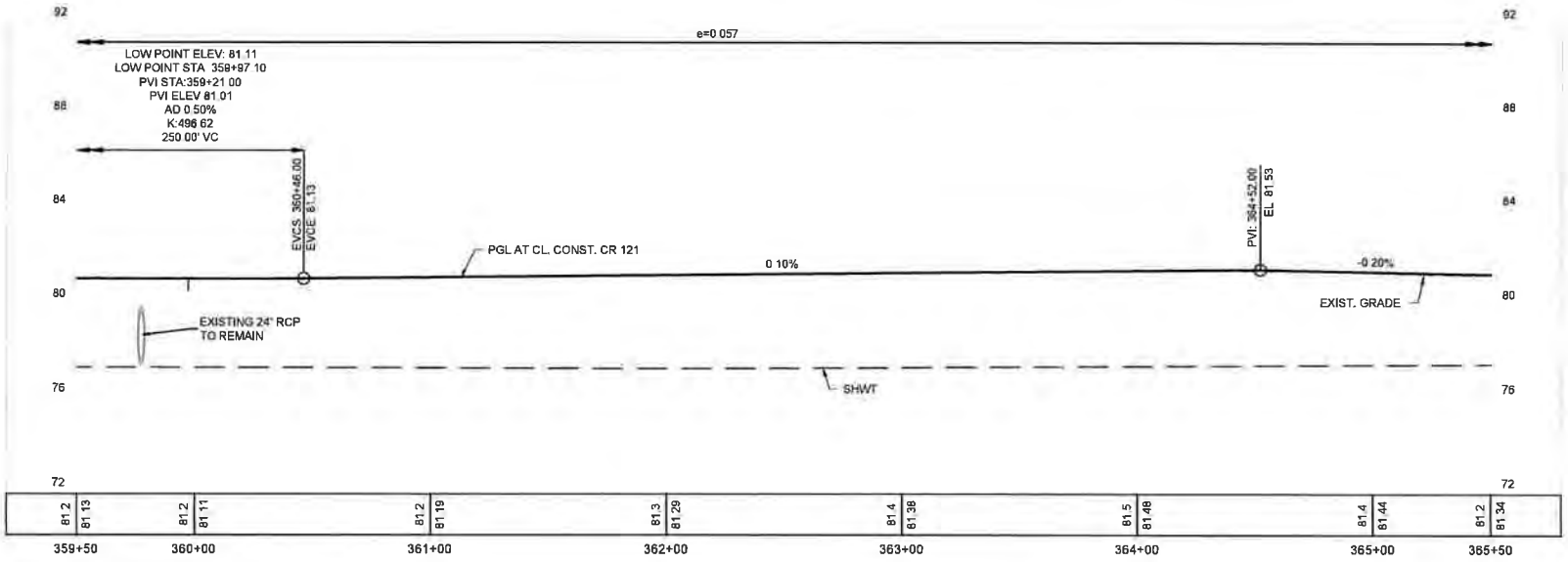
SHEET NUMBER
66

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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C5	1909 10'	1244 08'	N26°06'32"W	1222 18'	37°20'14"	645 03'	0 057



SCALE
HORZ 1"=50'
VERT. 1" =5'

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LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90648

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY ---
DRAWN BY ---
CHECKED BY ---

PLAN AND PROFILE

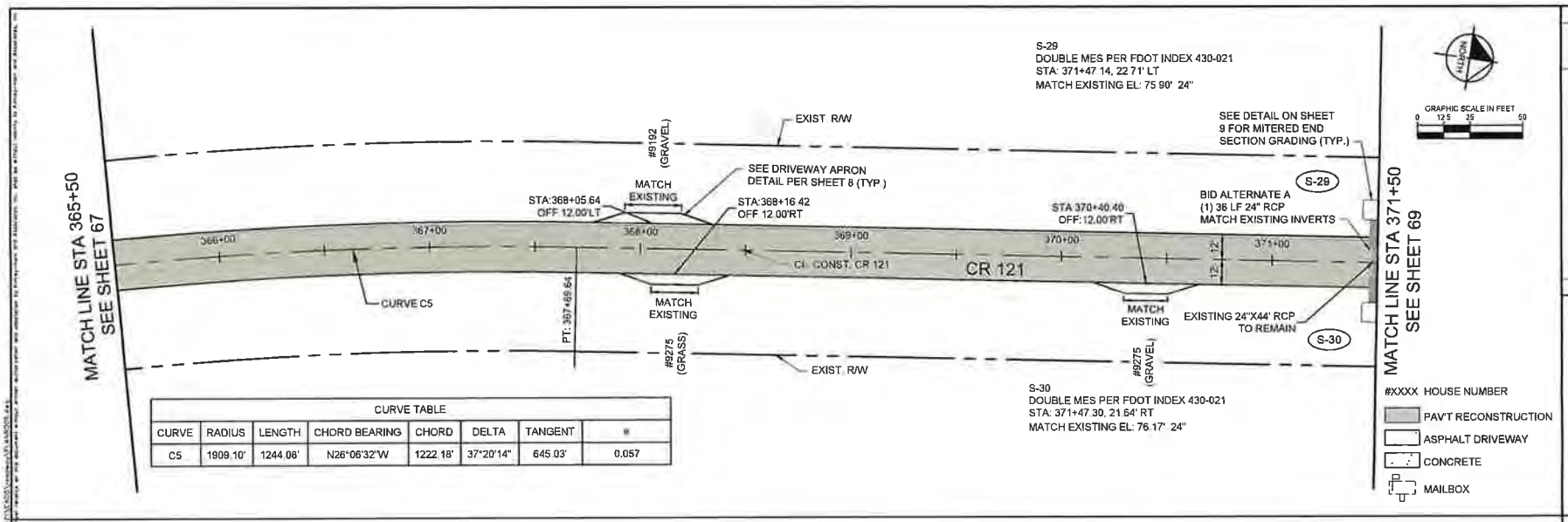
CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
67

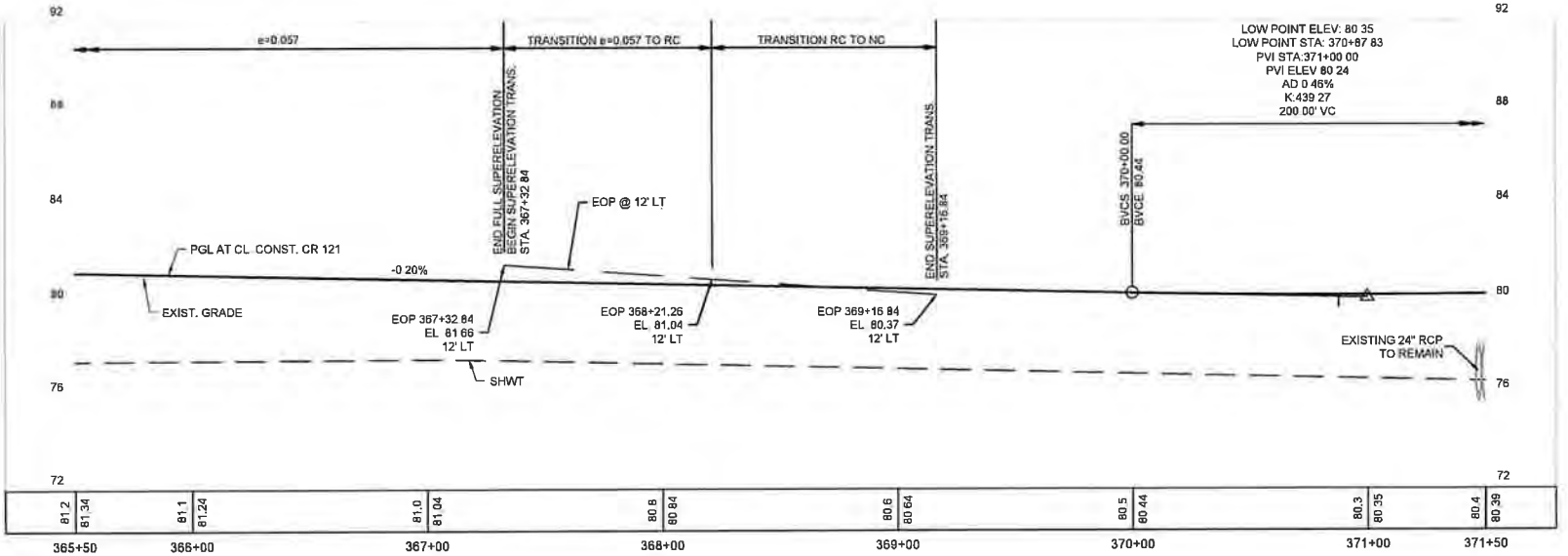
NO.	REVISIONS	DATE	BY

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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C5	1909.10'	1244.08'	N26°06'32"W	1222.18'	37°20'14"	645.03'	0.057



SCALE:
HORZ 1"=50'
VERT. 1" =5'

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No.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90846
STATE OF FLORIDA

KHA PROJECT 015046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
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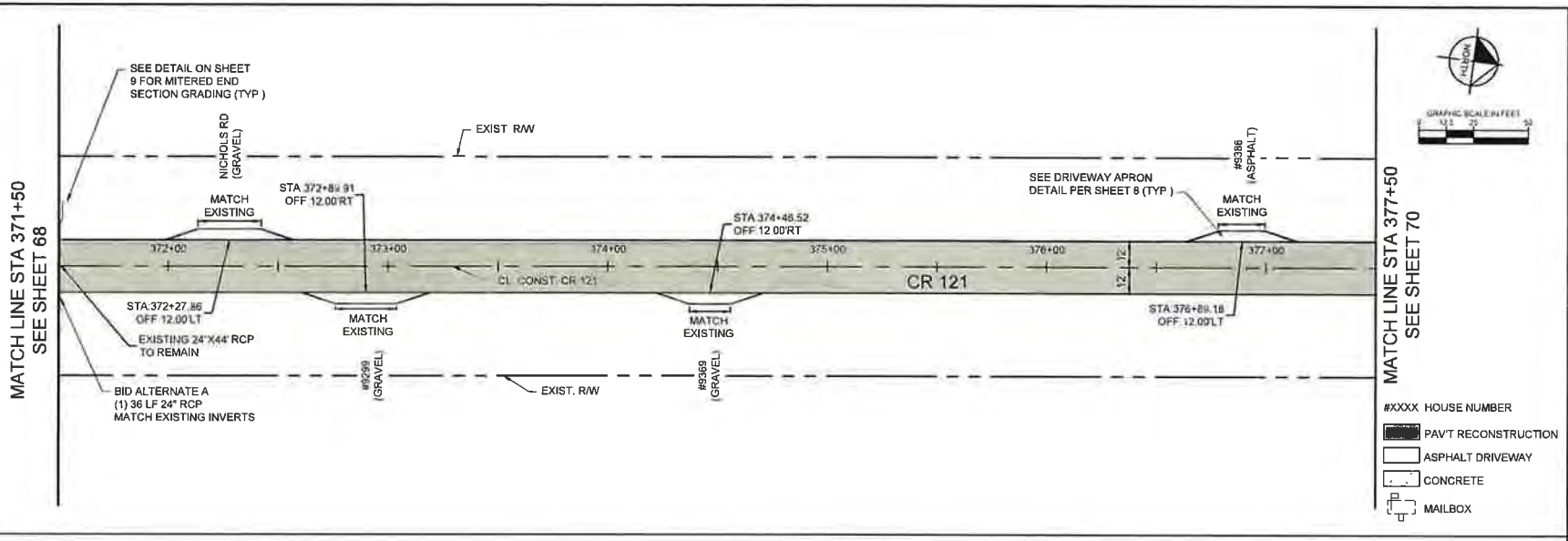
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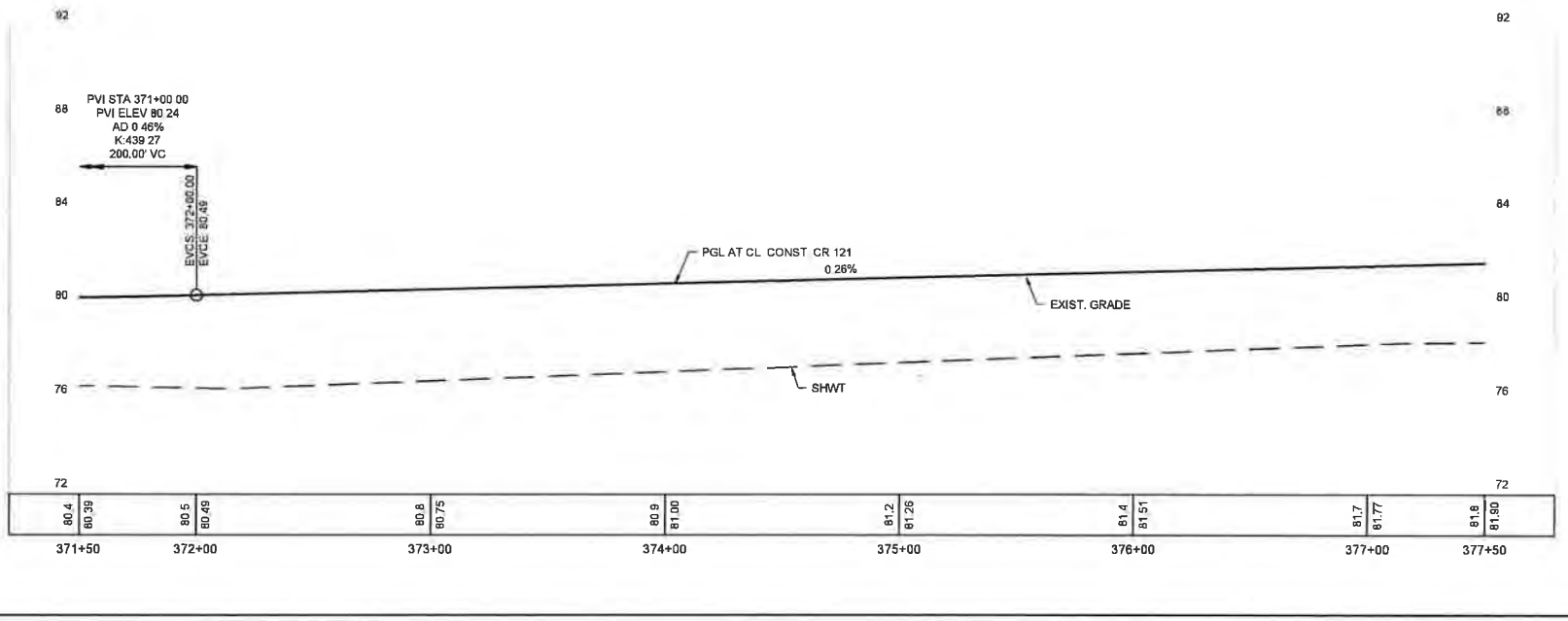
CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER
68

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WWW.KIMLEY-HORN.COM REGISTRY No. 35106

REVISIONS | NO. | DATE | BY

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E
FLORIDA LICENSE NUMBER 90848
DATE

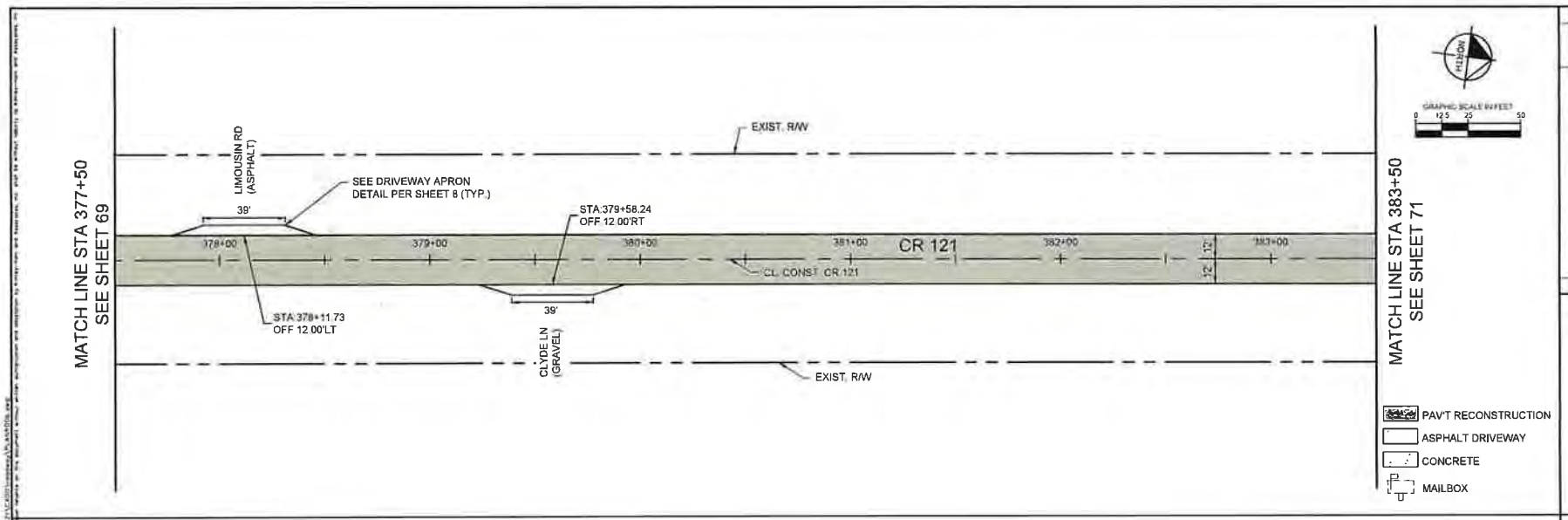
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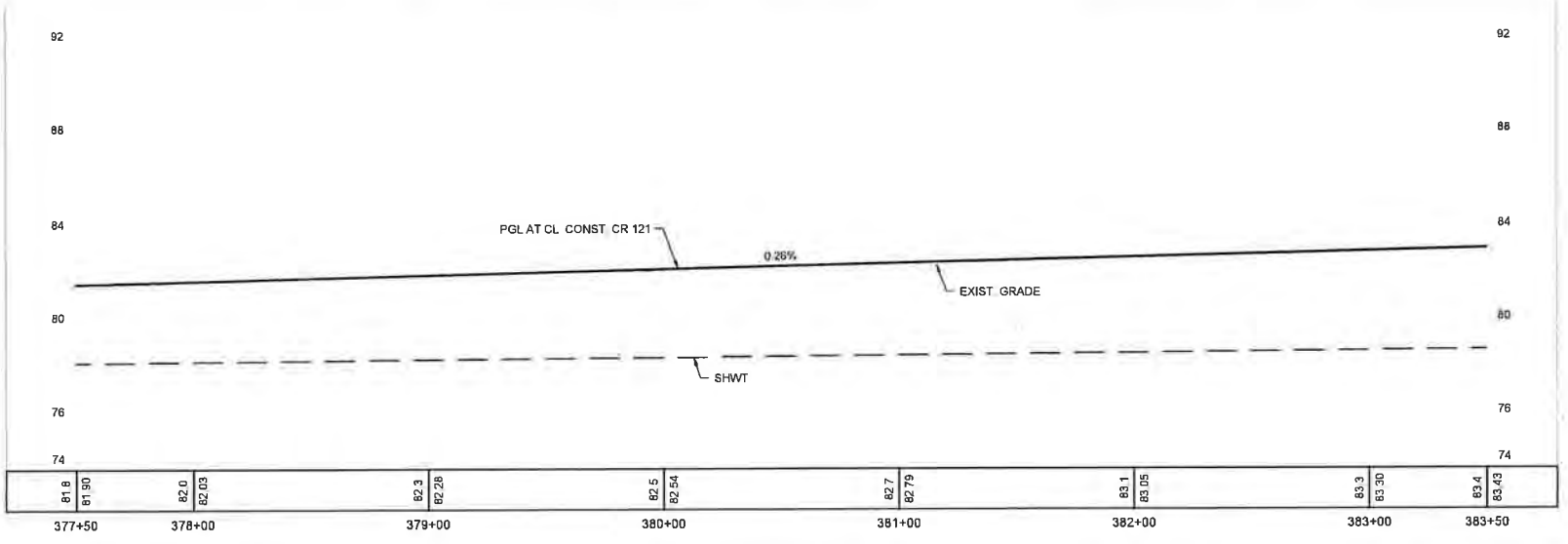
CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
69

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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E





SCALE:
HORZ. 1"=50'
VERT. 1" =5'

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PHONE: (904) 828-3900
WWW.KIMLEY-HORN.COM FL/EB/LB/AA No. 35106

No.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848

KHA PROJECT
045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

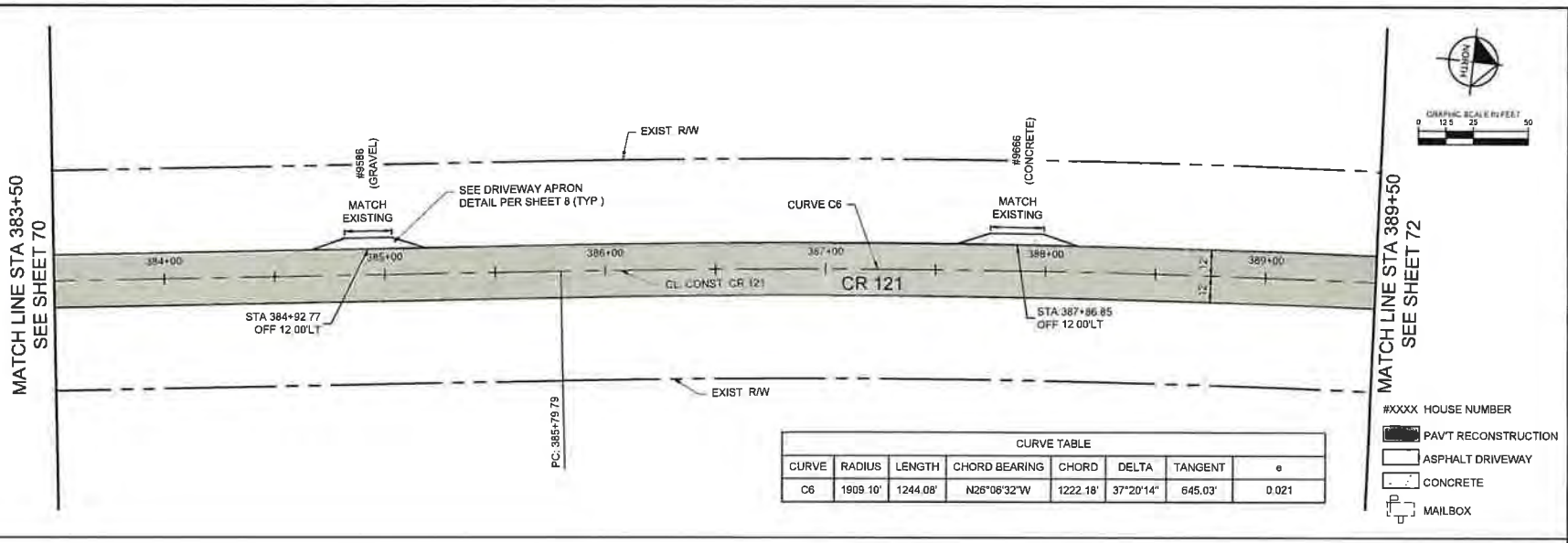
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

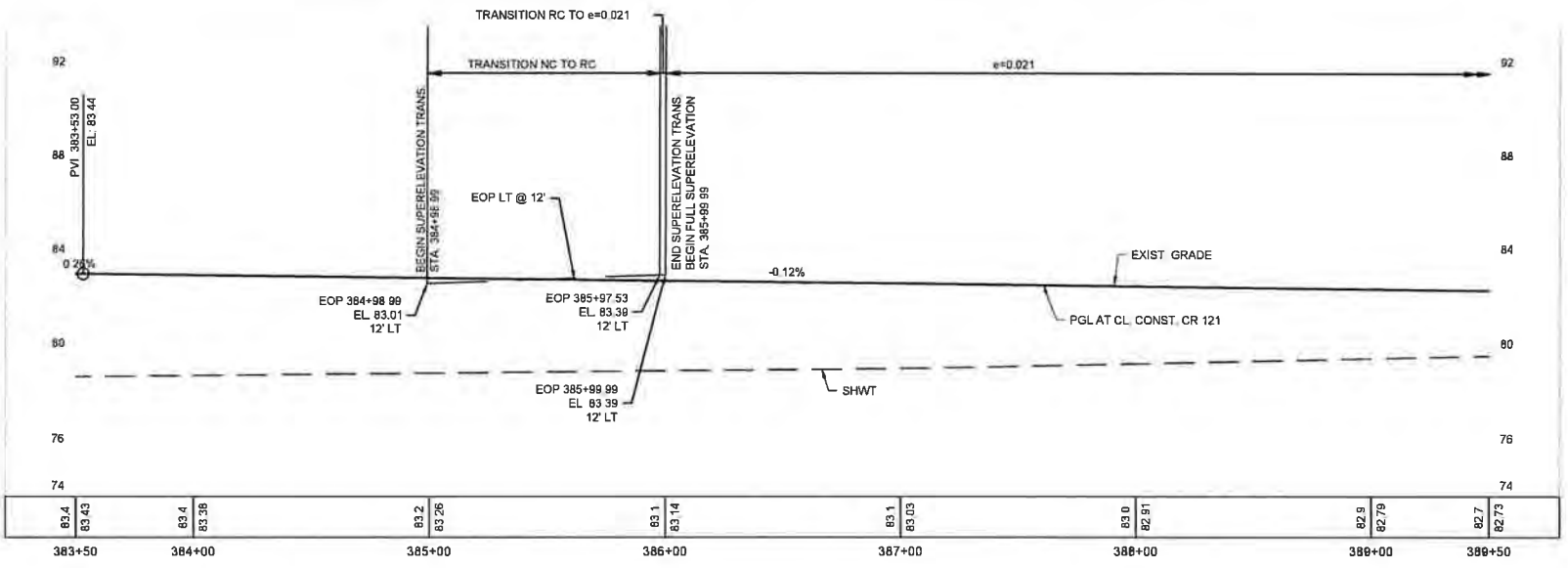
SHEET NUMBER
70

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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C6	1909.10'	1244.08'	N26°06'32"W	1222.18'	37°20'14"	645.03'	0.021



SCALE:
HORZ. 1"=50'
VERT. 1" =5'

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1740 CESAR BA PARKWAY, SUITE 2350
JACKSONVILLE, FLORIDA 32246
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM FLCOR No. 35106

REVISIONS | NO. | DATE | BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848
DATE

KHA PROJECT
045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

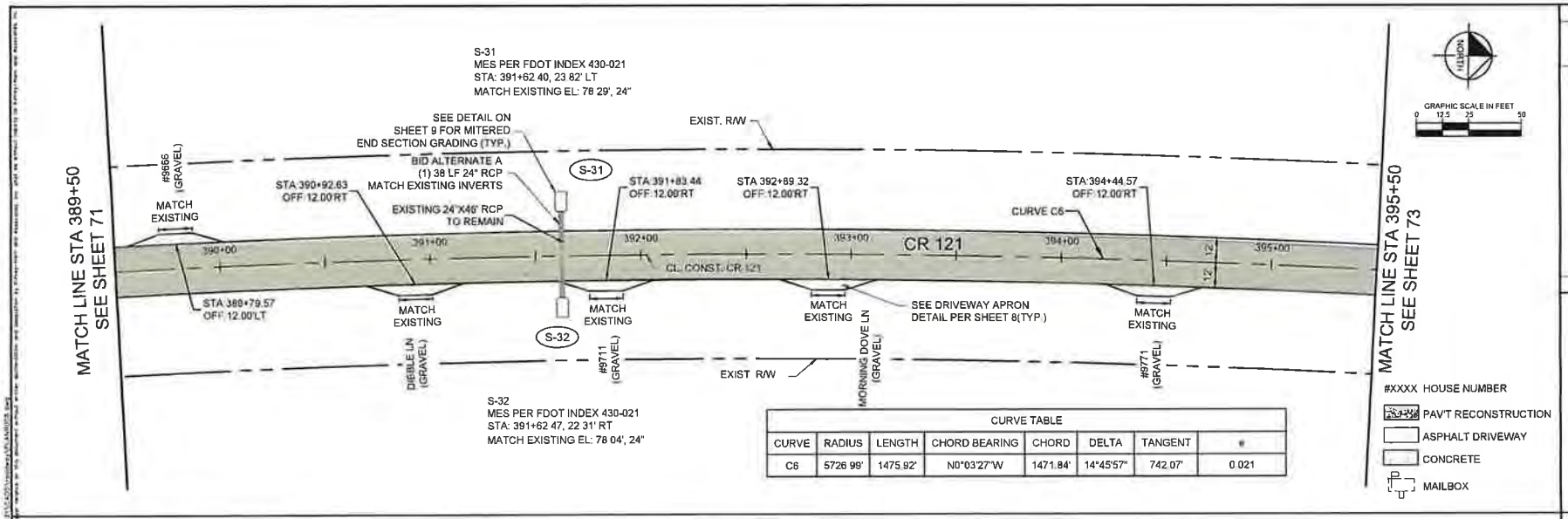
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

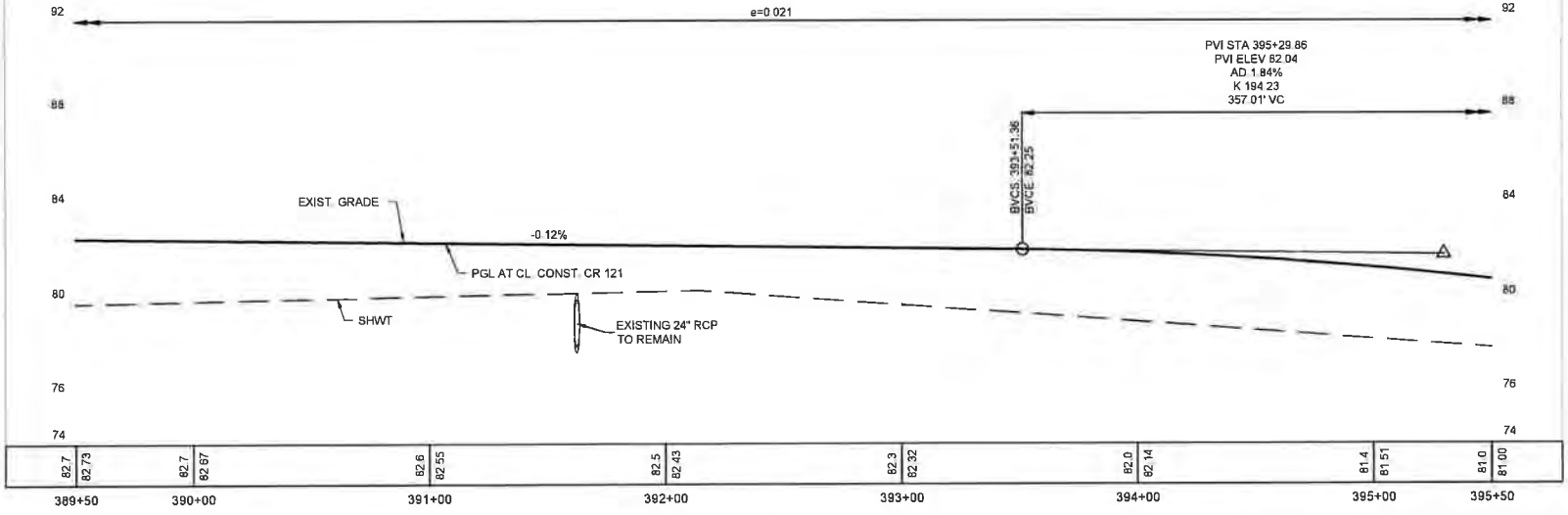
SHEET NUMBER
71

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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C6	5726.99'	1475.92'	N0°03'27"W	1471.84'	14°45'57"	742.07'	0.021



SCALE:
HORZ 1"=50'
VERT. 1"=5'

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JACKSONVILLE, FLORIDA 32258
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WWW.KIMLEY-HORN.COM REGISTRY No. 35106

REVISIONS | NO. | DATE | BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848
DATE: ____

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY: ____
DRAWN BY: ____
CHECKED BY: ____

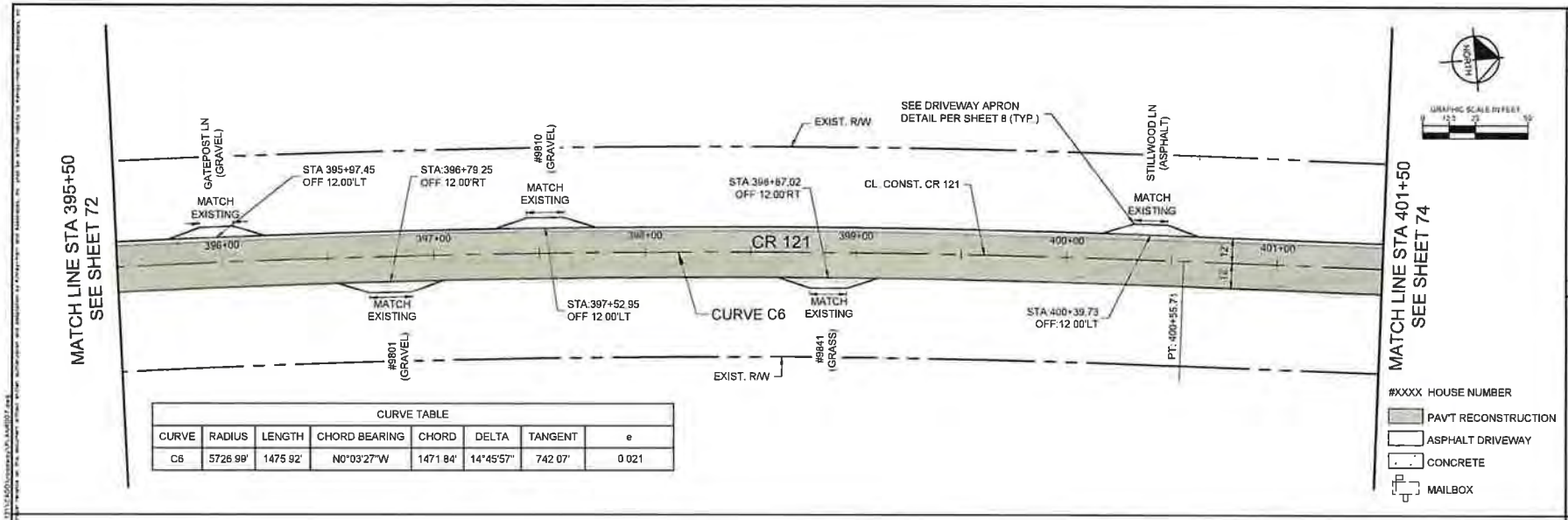
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

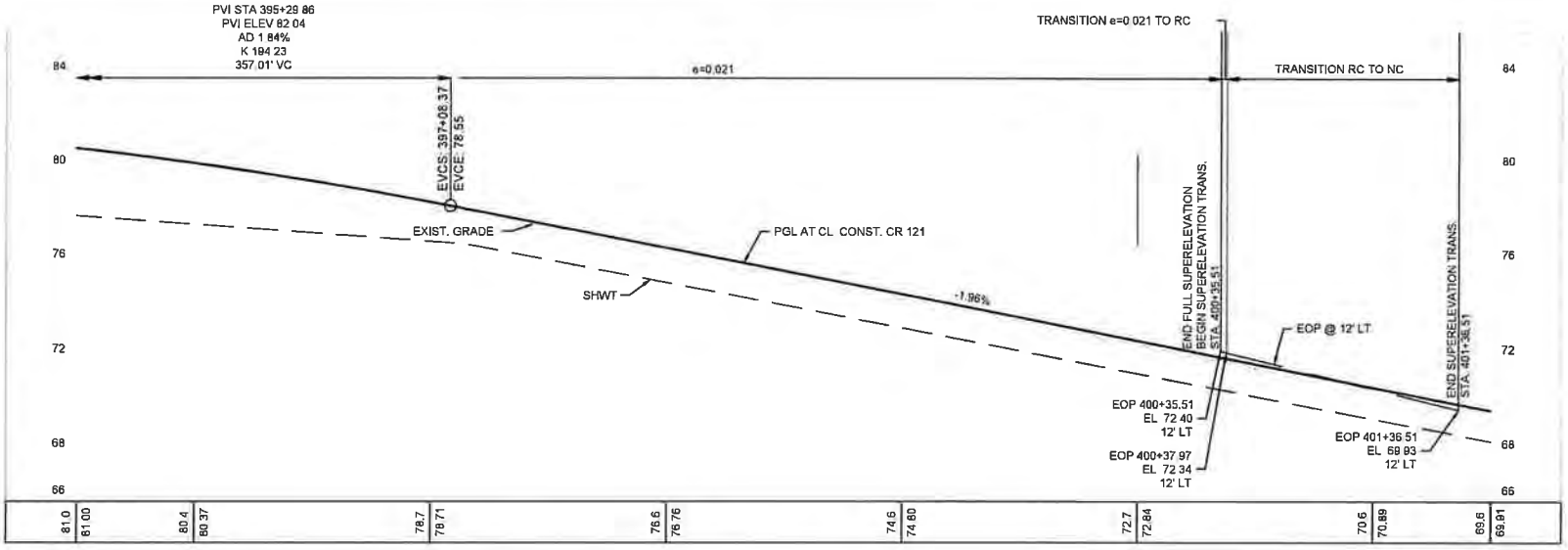
SHEET NUMBER
72

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.002, F.A.C.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C6	5726.99'	1475.92'	N0°03'27"W	1471.84'	14°45'57"	742.07'	0.021



SCALE
HORZ 1"=50'
VERT. 1" =5'

Kimley»Horn

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848

KHA PROJECT 045045005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

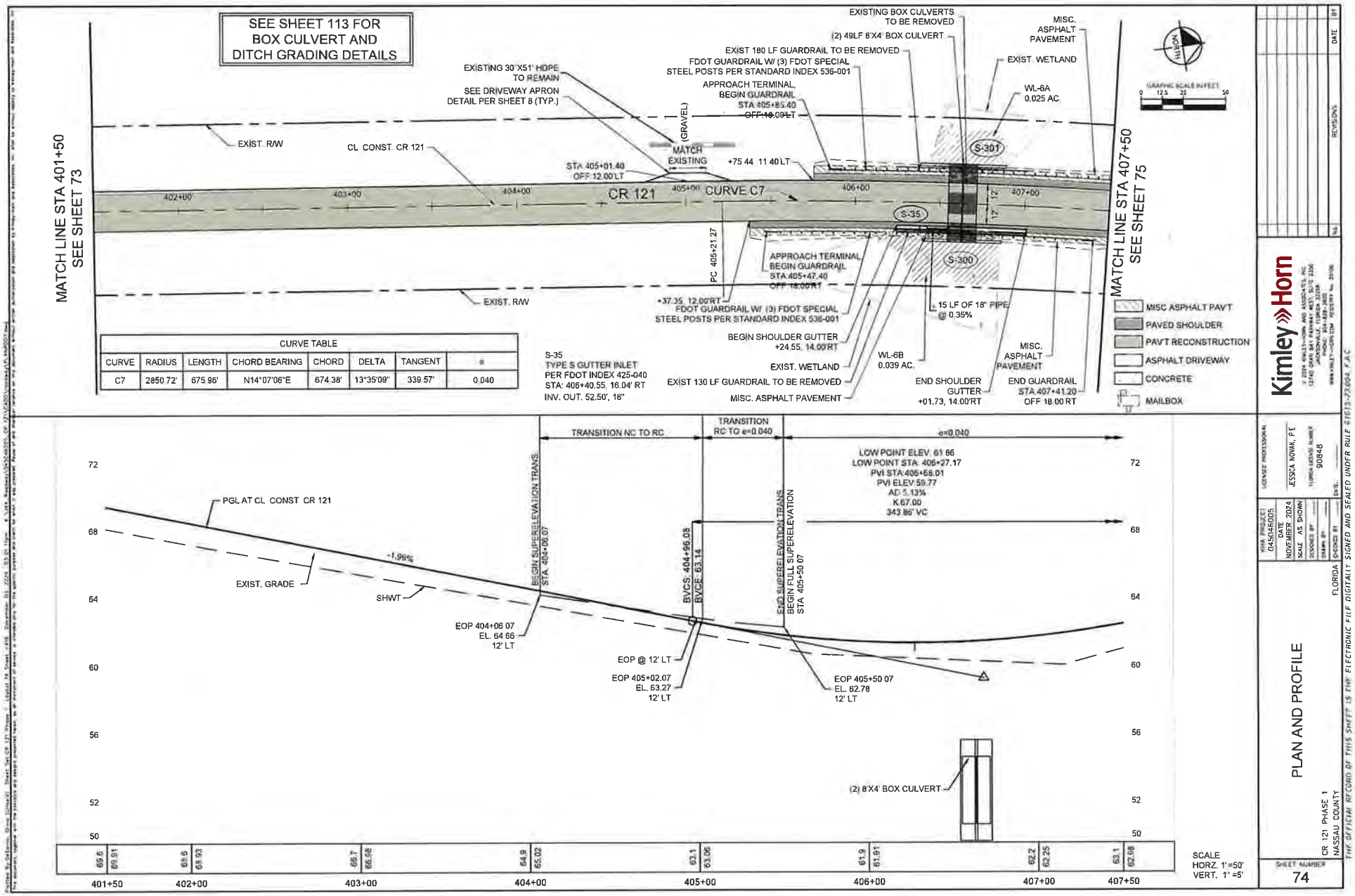
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER 73

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004 F.A.C.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C7	2850.72'	675.96'	N14°07'06"E	674.38'	13°35'09"	339.57'	0.040

Kimley»Horn

LICENSE PROFESSIONAL ENGINEER
JESSICA NOVAK, P.E
FLORIDA LICENSE NUMBER 90848
DATE:

KHA PROJECT 045014600S
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

FLORIDA

PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY

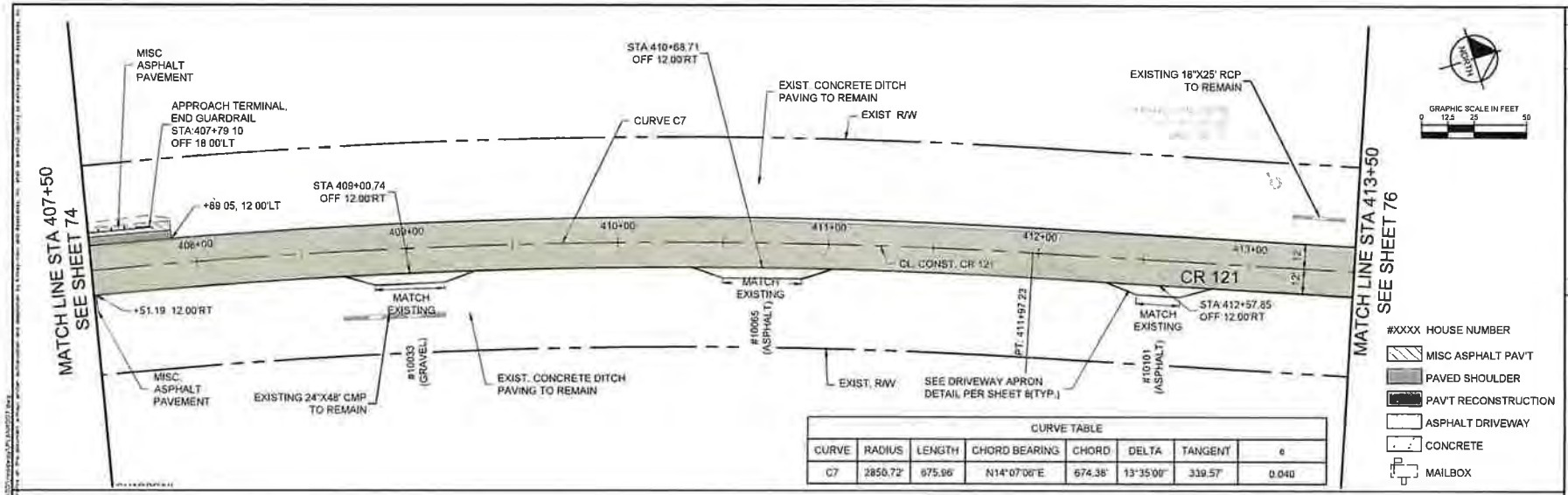
SHEET NUMBER 74

NO.	REVISIONS	DATE	BY

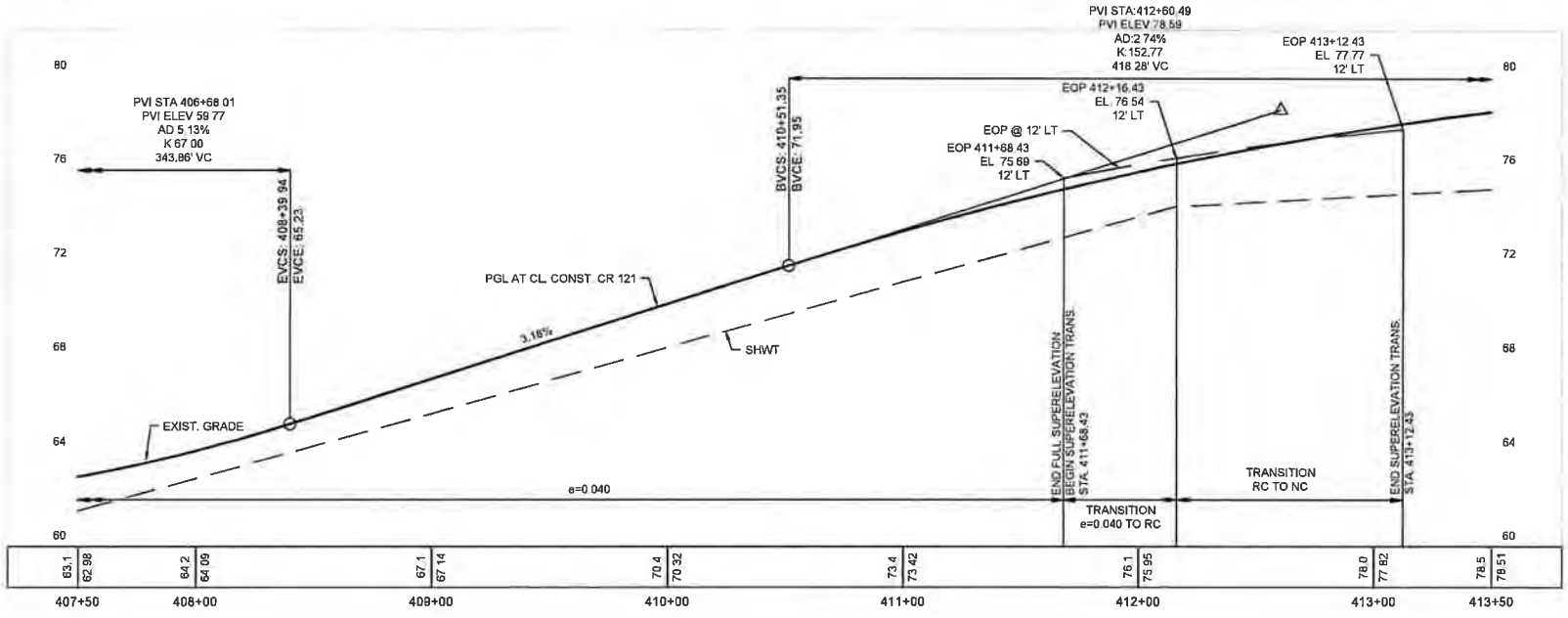
© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 12740 GRAN BAY PARKWAY WEST, SUITE 2350 JACKSONVILLE, FL 32258 904-828-3939 WWW.KIMLEY-HORN.COM REGISTRY No. 35106

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CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	e
C7	2850.72'	675.96'	N14°07'06"E	674.38'	13°35'00"	339.57'	0.040



SCALE:
HORZ 1"=50'
VERT 1" =5'

Kimley»Horn
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JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM FLCOA No. 35106

REVISIONS | NO. | DATE | BY

JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848
DATE:

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY: ——
DRAWN BY: ——
CHECKED BY: ——

FLORIDA

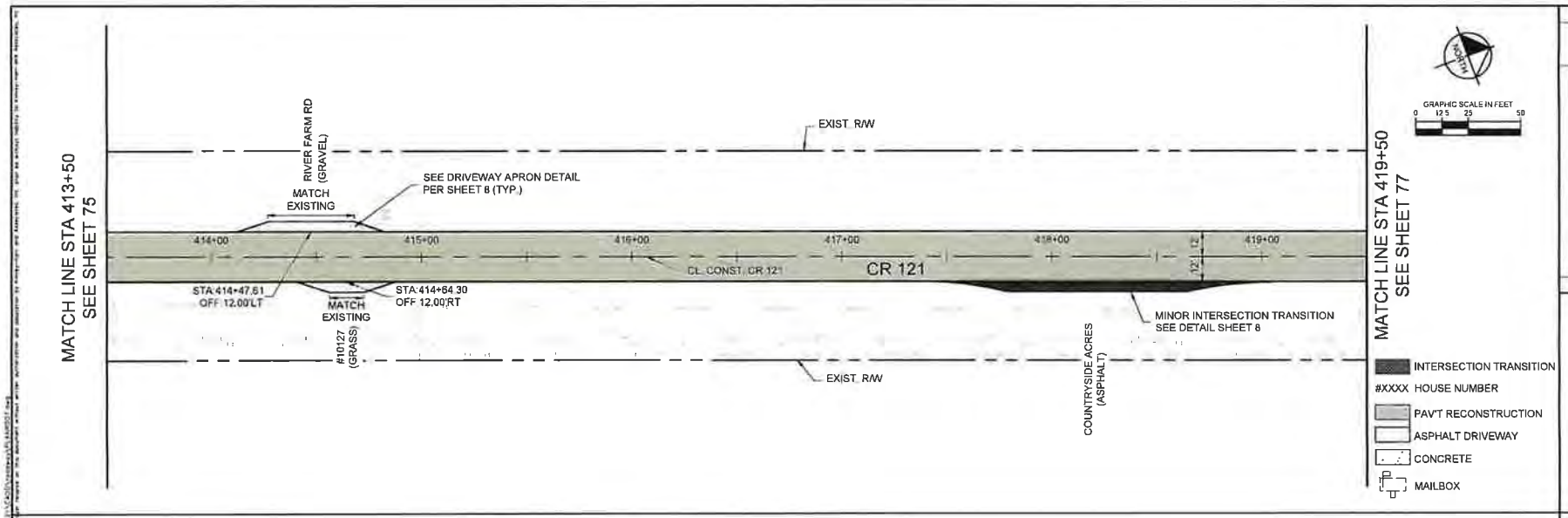
PLAN AND PROFILE

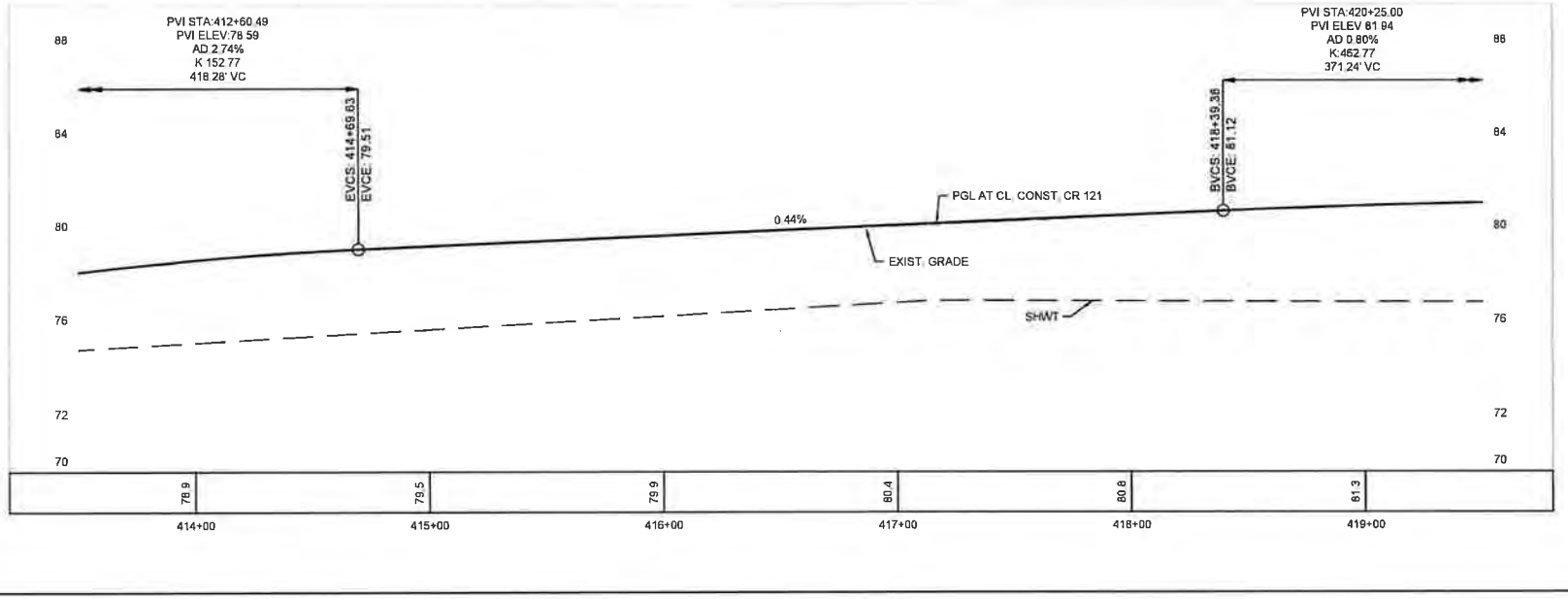
CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER
75

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SCALE:
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JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

NO.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848
DATE:

KHA PROJECT
045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY ----
DRAWN BY ----
CHECKED BY ----

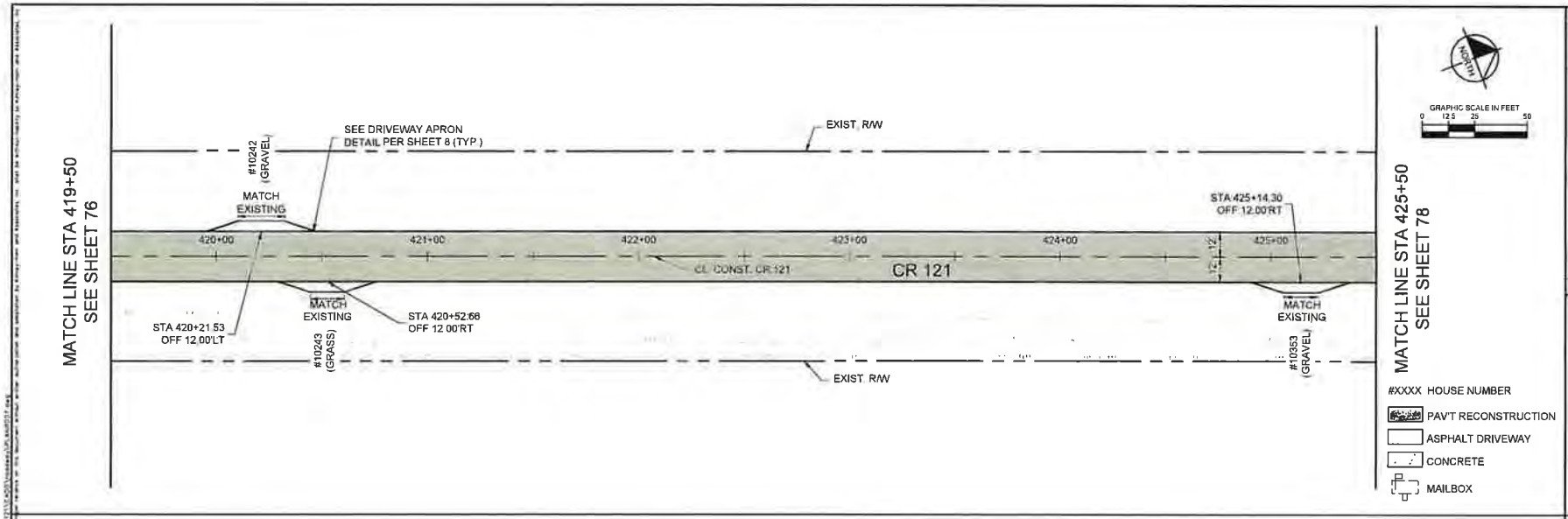
FLORIDA
CR 121 PHASE 1
NASSAU COUNTY

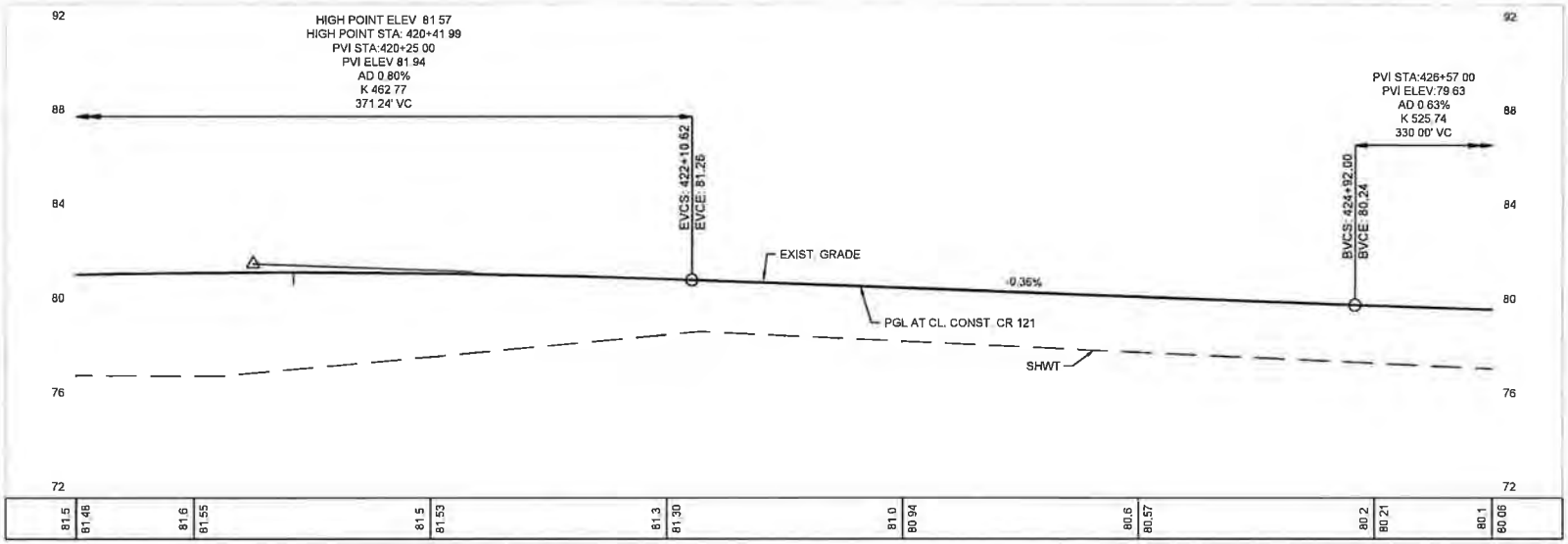
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SHEET NUMBER
76

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SCALE
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1740 CESERY BLVD., SUITE 2300
JACKSONVILLE, FLORIDA 32256
PHONE: 904-828-3900

NO.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848
DATE: ____

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY ____
DRAWN BY ____
CHECKED BY ____

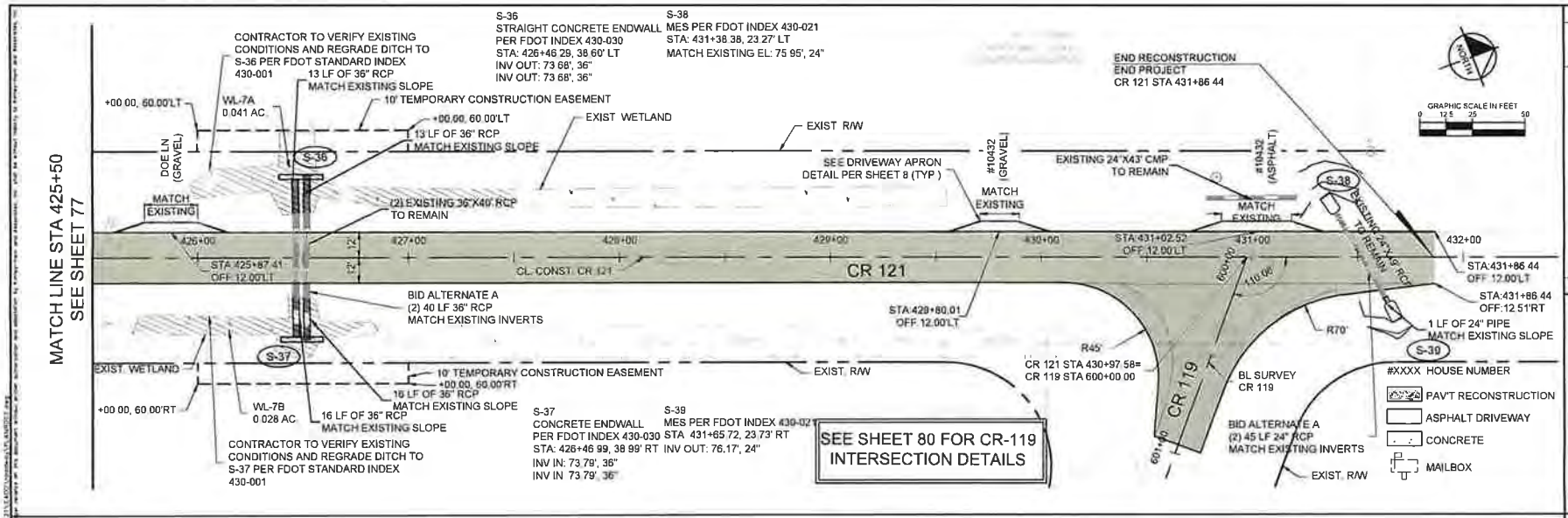
PLAN AND PROFILE

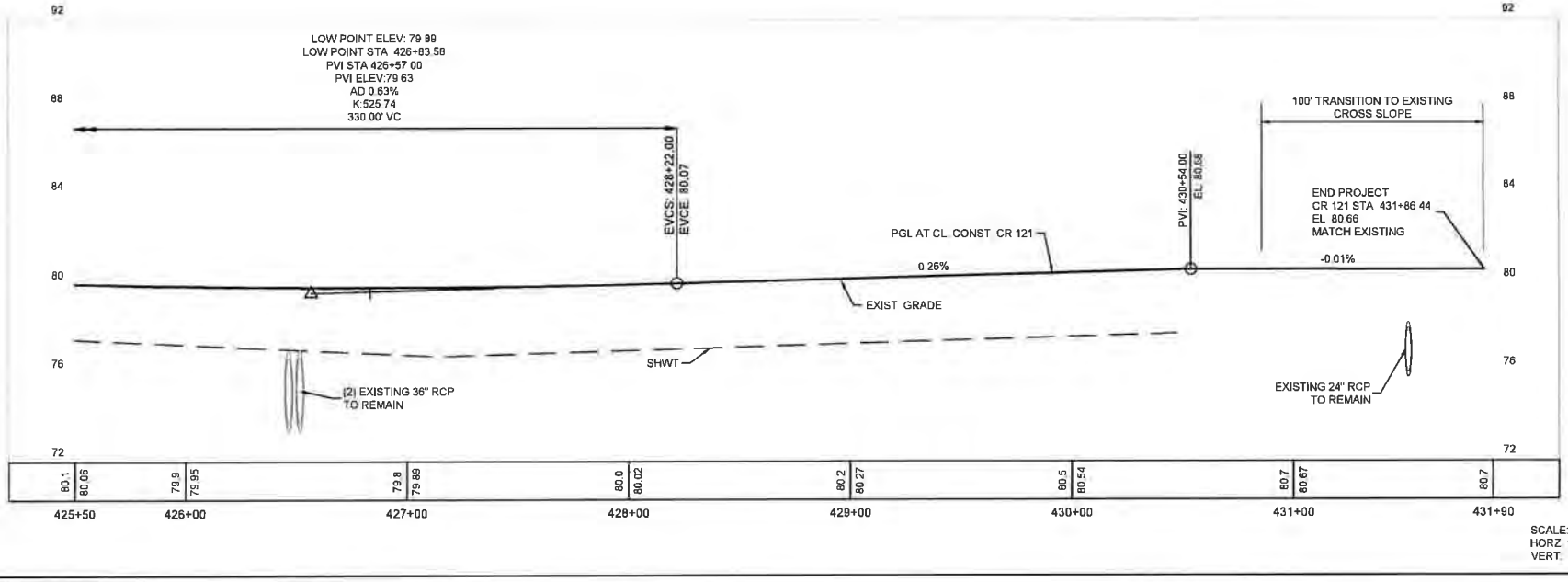
CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
77

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SCALE:
HORZ 1"=50'
VERT. 1" =5'

Kimley»Horn

REVISIONS

NO.	DATE	BY

DESIGNED PROFESSIONAL: JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848
DATE:

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

FLORIDA

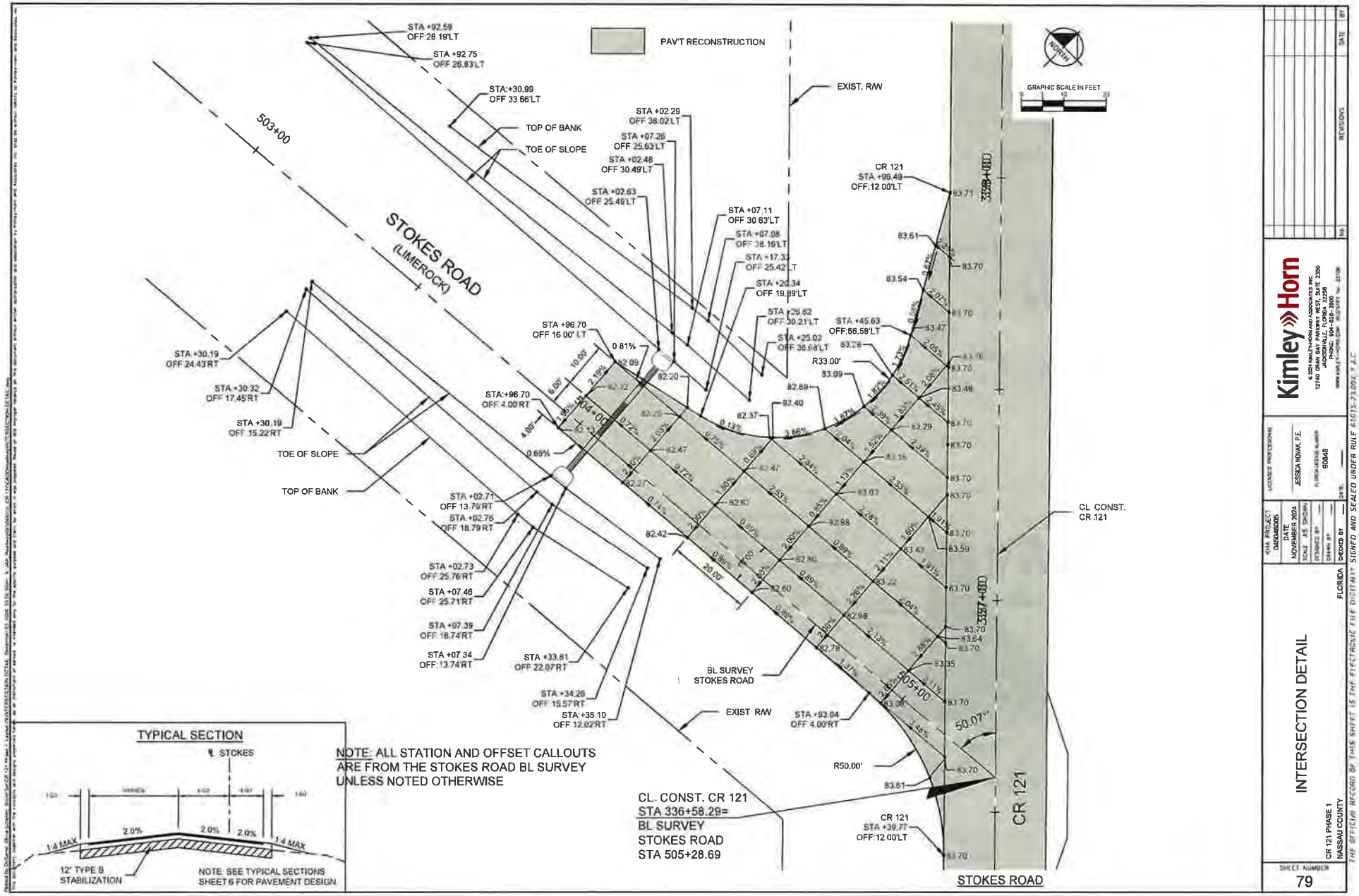
PLAN AND PROFILE

CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER 78

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TYPICAL SECTION

NOTE: ALL STATION AND OFFSET CALLOUTS ARE FROM THE STOKES ROAD BL SURVEY UNLESS NOTED OTHERWISE

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12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900

NO.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90648

KHA PROJECT 069408000
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —
DATE —

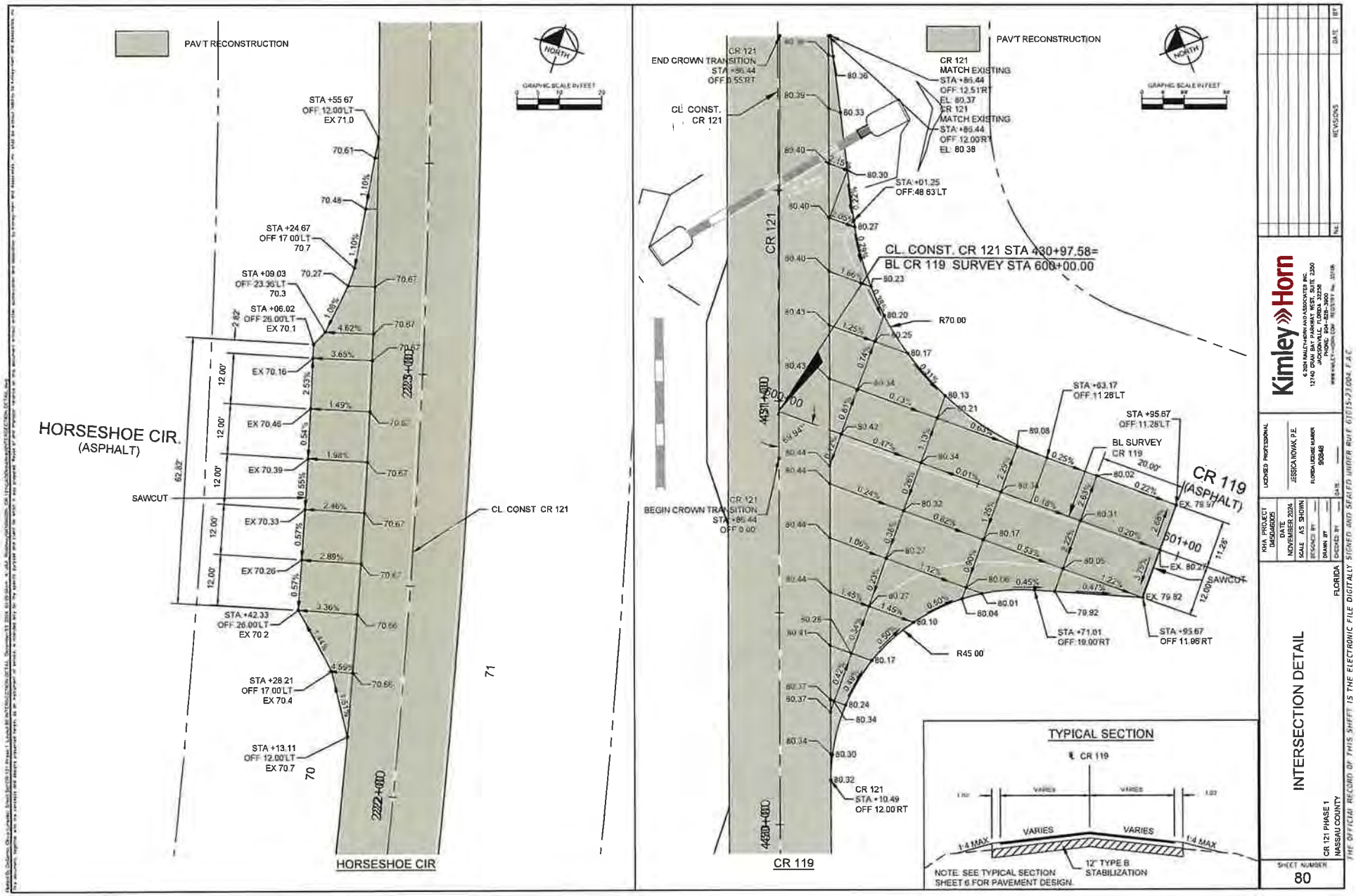
INTERSECTION DETAIL

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
79

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JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM CERTIFICATE No. 35106

No.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90846
STATE
FLORIDA

KHA PROJECT
045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

INTERSECTION DETAIL

CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER
80

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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

DATE OF SURVEY: MAY - JUNE 2023
SURVEY MADE BY: ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
SUBMITTED BY: MATTHEW R LANDSCHOOT, P.E.

CR 121 PAVEMENT EVALUATION
FROM DUVAL COUNTY LINE TO CR 119
ROADWAY SOIL SURVEY

ROAD NO: CR 121
COUNTY: NASSAU

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

REFERENCE: N/A SURVEY BEGINS STA: N/A SURVEY ENDS STA: N/A

	LBR		ORGANIC CONTENT			SIEVE ANALYSIS RESULTS PERCENT PASS (%)						ATTERBERG LIMITS (%)					CORROSION TEST RESULTS				
STRATUM NO.	MAX LBR VALUE	MOISTURE CONTENT	NO. OF TESTS	% ORGANIC	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	DESCRIPTION		NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDES ppm	SULFATES ppm	pH
1	17-33	10.7-15.5	92	0.1-2.4	4-30	76	78-100	72-100	67-100	34-100	4-19	--	--	--	A-3, A-2-4	BROWN, GRAY, ORANGE	FINE SAND, SILTY FINE SAND (<20% PASSING NO. 200)	1	14,000	15	36	4.4
2	58	9.5	18	0.2-2.1	5-22	12	91-100	80-100	76-99	57-86	21-33	--	--	--	A-2-4	GRAY, ORANGE	SILTY FINE SAND (≥20% PASSING NO. 200)	2	4,100-19,000	15-30	9-63	4.1-5.9
3	--	--	4	2.1-2.8	21-27	26	96-100	96-100	95-100	59-91	19-45	25	21-40	11-26	A-2-6, A-6	BROWN, DARK BROWN, GRAY, DARK GRAY, ORANGE, TAN	CLAYEY FINE SAND, CLAYEY SAND, CLAYEY SAND WITH ORGANICS	2	7,500-11,000	15-30	57-72	4.4-4.7
4	--	--	14	2.5-4.4	7-38	4	100	99-100	98-99	55-78	11-31	--	--	--	A-2-4	DARK BROWN, DARK GRAY	SILTY FINE SAND WITH ORGANICS	--	--	--	--	--
5	--	--	5	5.1-10.3	19-35	--	--	--	--	--	--	--	--	--	A-2-4	DARK BROWN, DARK GRAY	ORGANIC SILTY FINE SAND	--	--	--	--	--

STRATA NOTES

1. STRATA 1 AND 2 ARE "SELECT" SOILS. DUE TO THE HIGH FINES CONTENT, STRATUM 2 WILL RETAIN MOISTURE AND MAY BE DIFFICULT TO COMPACT WHEN WET.
2. STRATUM 3 IS A "PLASTIC" SOIL.
3. STRATUM 4 IS A "SELECT" MATERIAL WITH AN AVERAGE ORGANIC CONTENT GREATER THAN 2.5 PERCENT, BUT NO INDIVIDUAL VALUE GREATER THAN 5.0 PERCENT. THIS MATERIAL IS NOT PERMITTED IN THE SUBGRADE PORTION OF THE ROADWAY BED DUE TO ITS ORGANIC CONTENT.
4. STRATUM 5 IS AN "ORGANIC" MATERIAL WITH AN AVERAGE ORGANIC CONTENT GREATER THAN 5.0 PERCENT, BUT NO INDIVIDUAL VALUE GREATER THAN 20.0 PERCENT.
5. REUSE OF THESE STRATA SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001.
6. REMOVAL OF THESE STRATA SHALL BE ACCOMPLISHED IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-002.

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE. MAKE FINAL CHECK AFTER GRADING.

▼ MEASURED GROUNDWATER

▽ ESTIMATED "NORMAL" SEASONAL HIGH GROUNDWATER

GNE GROUNDWATER NOT ENCOUNTERED

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7160

REVISIONS | NO. | DATE | BY

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183

U.S. PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY K.M.
DRAWN BY K.M.
CHECKED BY M.R.L.
FL

ROADWAY SOIL SURVEY
CR 121
NASSAU COUNTY

SHEET NUMBER
81

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NOTES

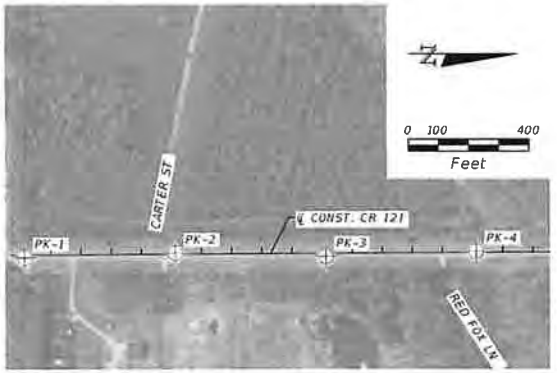
1. NUMBERS LEFT OF BORINGS INDICATE STANDARD PENETRATION TEST (SPT) N-VALUES OR EQUIVALENT FOR 12-INCH PENETRATION
2. NUMBERS IN THE CENTER OF BORINGS INDICATE THE STRATUM
3. SOIL DESCRIPTIONS, TEST DATA, AND STANDARD PENETRATION VALUES SHOWN ARE FOR THE SOIL BORING ONLY AND MAY NOT APPLY TO ANY OTHER LOCATIONS EXCEPT AT THE LOCATION OF THE SOIL BORING EXTRAPOLATION OF THE SOIL BORING DATA TO OTHER LOCATIONS IS THE SOLE RESPONSIBILITY OF THE PERSON PERFORMING THE EXTRAPOLATION
4. ASTERISK (*) INDICATES EQUIVALENT SPT N-VALUES CONVERTED FROM CONE PENETROMETER INDEX (CPI) VALUES

SAFETY HAMMER / CPI		AUTOMATIC HAMMER	
GRANULAR MATERIALS RELATIVE DENSITY	SPT (BLOWS/12 IN.)	GRANULAR MATERIALS RELATIVE DENSITY	SPT (BLOWS/12 IN.)
VERY LOOSE	LESS THAN 4	VERY LOOSE	LESS THAN 3
LOOSE	4 - 10	LOOSE	3 - 8
MEDIUM DENSE	10 - 30	MEDIUM DENSE	8 - 24
DENSE	30 - 50	DENSE	24 - 40
VERY DENSE	GREATER THAN 50	VERY DENSE	GREATER THAN 40

SPLIT-SPOON INSIDE DIAMETER 1.375 IN
OUTSIDE DIAMETER: 2.0 IN
AVG. HAMMER DROP 30.0 IN
HAMMER WEIGHT 140 LBS

LEGEND

- SPT SOIL BORING
- HAND AUGER SOIL BORING
- MEASURED GROUNDWATER
- ESTIMATED "NORMAL" SEASONAL HIGH GROUNDWATER
- GROUNDWATER NOT ENCOUNTERED — GNE
- AASHTO CLASSIFICATION GROUP SYMBOL — (A-3)
- ASPHALT
- LIMEROCK BASE



BOR # PK-1
STA 37+13
OFF 8 FEET RIGHT
DATE 5/30/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
19-INCHES ASPHALT
7.1-INCHES RECYCLED ASPHALT STABILIZATION
*8 *8 *8 — 1 — LOOSE GRAY SILTY FINE SAND (A-2-4)
*4 *4 — 3 — LOOSE GRAY CLAYEY SAND (A-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-2
STA 42+13
OFF 4 FEET LEFT
DATE 6/2/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.5-INCHES ASPHALT
6.1-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *5 — 1 — LOOSE GRAY SILTY FINE SAND (A-2-4)
*5 *4 — 3 — LOOSE BROWN CLAYEY SAND (A-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-3
STA 47+13
OFF 11 FEET RIGHT
DATE 5/30/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.9-INCHES ASPHALT
8.1-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *13 *9 *8 — 1 — LOOSE TO MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-4
STA 52+13
OFF 3 FEET LEFT
DATE 6/2/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.2-INCHES ASPHALT
6.4-INCHES RECYCLED ASPHALT STABILIZATION
*8 *8 *7 *5 *7 — 1 — LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10

REVISIONS	DATE	BY

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSKROOT, P.E.
FL LICENSE NUMBER 76183

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY K.M.
DRAWN BY K.M.
CHECKED BY M.R.L.
DATE

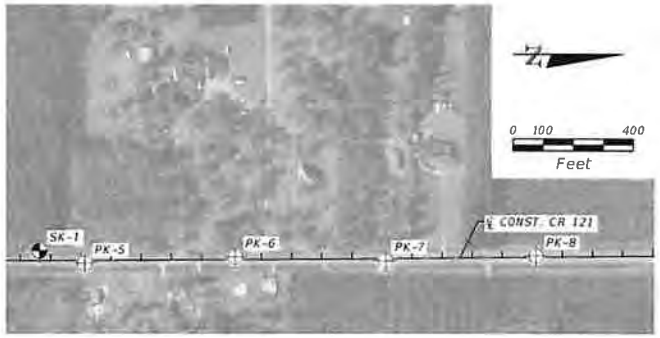
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REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER
82

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



BOR # SK-1
STA 55+63
OFF 33 FEET LEFT
DATE 6/8/2023
DRILLER W JOCHIM
HAMMER AUTOMATIC
RIG D-50

N		
	1	MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
10		
8	3	LOOSE TO MEDIUM DENSE GRAY CLAYEY SAND (A-2-6)
10		
10		
9		
7		
7		
10		
9	1	LOOSE TO MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
11		
9		
7		

BORING TERMINATED AT DEPTH OF 20.0 FEET

BOR # PK-5
STA 57+13
OFF 10 FEET RIGHT
DATE 5/30/2023
DRILLER W CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
		3.4-INCHES ASPHALT
		4.6-INCHES RECYCLED ASPHALT STABILIZATION
7		
9		
9	2	LOOSE GRAY SILTY FINE SAND (A-2-4)
8		
8		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-6
STA 62+13
OFF 9 FEET LEFT
DATE 6/2/2023
DRILLER W CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
		4.6-INCHES ASPHALT
		4.9-INCHES RECYCLED ASPHALT STABILIZATION
5		
7	2	LOOSE GRAY SILTY FINE SAND (A-2-4)
5		
4	3	LOOSE ORANGE CLAYEY FINE SAND (A-2-6)
4		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-7
STA 67+13
OFF 7 FEET RIGHT
DATE 5/30/2023
DRILLER W CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
		1.8-INCHES ASPHALT
		3.5-INCHES RECYCLED ASPHALT STABILIZATION
8		
8	1	LOOSE GRAY SILTY FINE SAND (A-2-4)
7		
5	3	LOOSE GRAY AND ORANGE CLAYEY FINE SAND (A-2-6)
5		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-8
STA 72+13
OFF 4 FEET LEFT
DATE 6/2/2023
DRILLER W CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
		1.2-INCHES ASPHALT
		5.3-INCHES RECYCLED ASPHALT STABILIZATION
8		
7	1	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS (A-2-4)
7		
5	2	LOOSE GRAY SILTY FINE SAND (A-2-4)
5		
4		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10 15 20

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone (904) 329-7180

NO.	REVISIONS	DATE	BY

EGS PROJECT 13-44-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY KLM
DRAWN BY KLM
CHECKED BY MRL

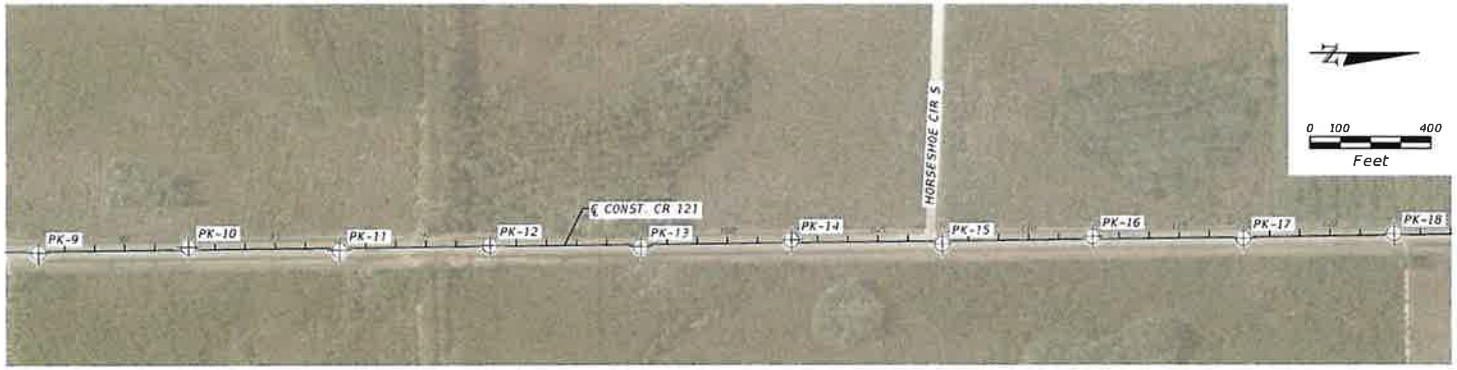
LICENSED PROFESSIONAL
MATTHEW R. LANDSKROON, P.E.
FL LICENSE NUMBER 76183
STATE OF FLORIDA

REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER
83

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



BOR # PK-9 | STA 77+13 | OFF 4 FEET RIGHT | DATE 5/30/2023 | DRILLER W. CHOMAT | HAMMER CPI | RIG HAND AUGER

N
3.6-INCHES ASPHALT
5.9-INCHES RECYCLED ASPHALT STABILIZATION
1 *8 *8 *5 — LOOSE GRAY SILTY FINE SAND (A-2-4)
2 *4 *3 — LOOSE GRAY AND ORANGE SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-10 | STA 82+13 | OFF 9 FEET LEFT | DATE 6/2/2023 | DRILLER W. CHOMAT | HAMMER CPI | RIG HAND AUGER

N
4.7-INCHES ASPHALT
6.1-INCHES RECYCLED ASPHALT STABILIZATION
1 *7 *7 *4 — LOOSE GRAY SILTY FINE SAND (A-2-4)
3 *4 *4 — LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-11 | STA 87+13 | OFF 7 FEET RIGHT | DATE 5/30/2023 | DRILLER W. CHOMAT | HAMMER CPI | RIG HAND AUGER

N
4.0-INCHES ASPHALT
8.3-INCHES RECYCLED ASPHALT STABILIZATION
1 *2 *4 *5 — LOOSE GRAY SILTY FINE SAND (A-2-4)
3 *4 *3 — VERY LOOSE OT LOOSE BROWN CLAYEY SAND (A-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-12 | STA 92+12 | OFF 2 FEET LEFT | DATE 6/2/2023 | DRILLER W. CHOMAT | HAMMER CPI | RIG HAND AUGER

N
4.3-INCHES ASPHALT
5.4-INCHES RECYCLED ASPHALT STABILIZATION
1 *8 *7 *7 — LOOSE GRAY SILTY FINE SAND (A-2-4)
3 *7 *7 — LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-13 | STA 97+13 | OFF 7 FEET RIGHT | DATE 5/30/2023 | DRILLER W. CHOMAT | HAMMER CPI | RIG HAND AUGER

N
4.0-INCHES ASPHALT
8.5-INCHES RECYCLED ASPHALT STABILIZATION
4 *7 *7 — LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS (A-2-4)
3 *7 *5 — LOOSE DARK GRAY CLAYEY SAND WITH ORGANICS (A-6)
3 *5 *4 — LOOSE GRAY CLAYEY SAND (A-6)
3 *4 *4 — LOOSE DARK BROWN CLAYEY SAND WITH ORGANICS (A-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-14 | STA 102+13 | OFF 9 FEET LEFT | DATE 6/2/2023 | DRILLER W. CHOMAT | HAMMER CPI | RIG HAND AUGER

N
3.8-INCHES ASPHALT
6.5-INCHES RECYCLED ASPHALT STABILIZATION
1 *7 *8 *8 — LOOSE GRAY SILTY FINE SAND (A-2-4)
3 *5 *7 — LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-15 | STA 107+13 | OFF 10 FEET RIGHT | DATE 5/30/2023 | DRILLER W. CHOMAT | HAMMER CPI | RIG HAND AUGUER

N
3.3-INCHES ASPHALT
4.0-INCHES RECYCLED ASPHALT STABILIZATION
1 *7 *7 *8 *8 *8 — LOOSE GRAY TO GRAY AND ORANGE SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-16 | STA 112+13 | OFF 9 FEET LEFT | DATE 6/2/2023 | DRILLER W. CHOMAT | HAMMER CPI | RIG HAND AUGER

N
4.3-INCHES ASPHALT
7.9-INCHES RECYCLED ASPHALT STABILIZATION
1 *5 *7 *4 — LOOSE GRAY SILTY FINE SAND (A-2-4)
3 *4 *4 — LOOSE GRAY AND ORANGE CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-17 | STA 117+13 | OFF 4 FEET RIGHT | DATE 5/30/2023 | DRILLER W. CHOMAT | HAMMER CPI | RIG HAND AUGER

N
3.4-INCHES ASPHALT
7.6-INCHES RECYCLED ASPHALT STABILIZATION
1 *5 *8 *9 *7 *9 — LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-18 | STA 122+13 | OFF 5 FEET LEFT | DATE 6/2/2023 | DRILLER W. CHOMAT | HAMMER CPI | RIG HAND AUGER

N
3.4-INCHES ASPHALT
6.8-INCHES RECYCLED ASPHALT STABILIZATION
1 *8 *7 *5 — LOOSE GRAY SILTY FINE SAND A-2-4)
4 *4 *4 — LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS (A-2-4)
3 *4 *4 — LOOSE DARK GRAY CLAYEY SAND WITH ORGANICS (A-6)
3 *4 *4 — LOOSE ORANGE AND TAN CLAYEY SAND (A-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-1160

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
FL

ECS PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
13-54-23-01	OCTOBER 2023	AS SHOWN	KJM	KJM	MRL

NO.	REVISIONS	DATE	BY

REPORT OF SOIL BORINGS

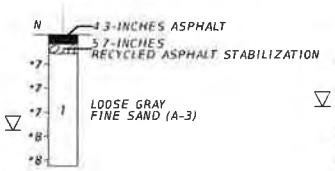
CR 121
NASSAU COUNTY

SHEET NUMBER
84

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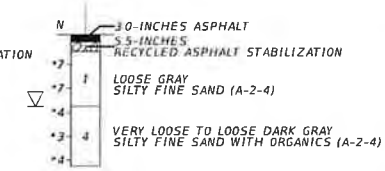


BOR # PK-19
STA 127+13
OFF 8 FEET RIGHT
DATE 5/30/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



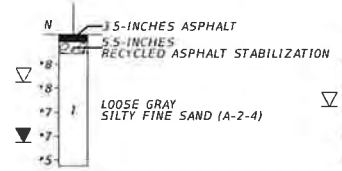
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-20
STA 132+12
OFF 2 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



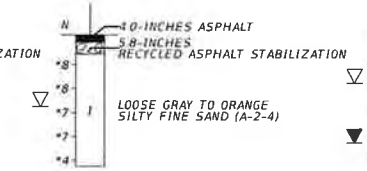
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-21
STA 137+13
OFF. 8 FEET RIGHT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



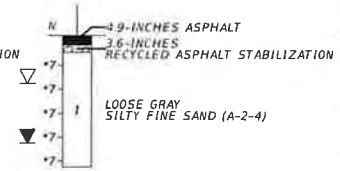
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-22
STA 142+13
OFF 7 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-23
STA 147+13
OFF. 10 FEET RIGHT
DATE 5/30/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



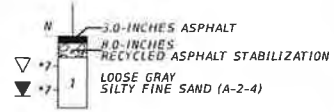
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-24
STA 152+13
OFF. 2 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



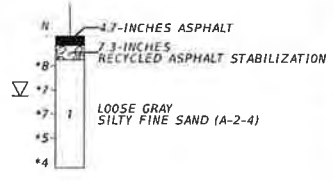
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-25
STA 157+13
OFF. 5 FEET RIGHT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



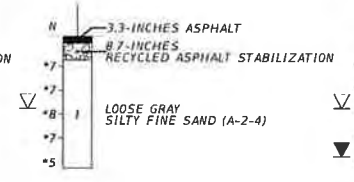
BORING TERMINATED AT DEPTH OF 3 FEET

BOR # PK-26
STA 161+77
OFF. 5 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



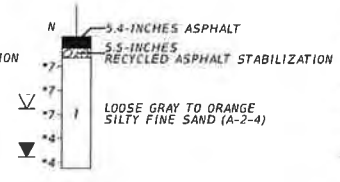
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-27
STA 167+13
OFF. 8 FEET RIGHT
DATE 5/31/2023
DRILLER E. SCHMIDT
HAMMER CPI
RIG HAND AUGER



BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-28
STA 172+13
OFF. 9 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



BORING TERMINATED AT DEPTH OF 5.5 FEET

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY KJM
DRAWN BY KJM
CHECKED BY MRL
LICENSED PROFESSIONAL
MATTHEW R. LANDSWOOT, P.E.
FL LICENSE NUMBER 76183
STATE OF FLORIDA

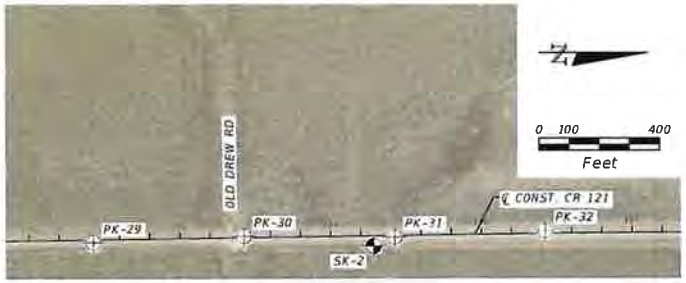
REVISIONS | NO. | DATE | BY

REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER
85

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



BOR # PK-29
STA 177+13
OFF 9 FEET RIGHT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
*7 *8 *8 *7 *5
1 3
30-INCHES ASPHALT
80-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
LOOSE GRAY CLAYEY SAND (A-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-30
STA 182+13
OFF 5 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
*8 *7 *7 *7 *4
1 1 1
34-INCHES ASPHALT
81-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
LOOSE GRAY FINE SAND (A-3)
LOOSE GRAY TO ORANGE SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # SK-2
STA 186+43
OFF 34 FEET RIGHT
DATE 6/8/2023
DRILLER W. JOCHIM
HAMMER AUTOMATIC
RIG D-50

N
*10 *10 *9 *10 *10 8 16 16 14 9 7 8
2 3 2 3 2
MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
MEDIUM DENSE GRAY CLAYEY FINE SAND (A-2-6)
MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
LOOSE TO MEDIUM DENSE GRAY CLAYEY SAND (A-6)
LOOSE TO MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
BORING TERMINATED AT DEPTH OF 20.0 FEET

BOR # PK-31
STA 187+13
OFF 5 FEET RIGHT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
*7 *7 *8 *8 *8
2
33-INCHES ASPHALT
58-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-32
STA 192+13
OFF 9 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
*7 *5 *4 *4 *4
1 3
41-INCHES ASPHALT
59-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
LOOSE GRAY AND ORANGE CLAYEY SAND (A-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET)
0 5 10 15 20

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7160

NO	REVISIONS	DATE	BY

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY K.A.M.
DRAWN BY K.A.M.
CHECKED BY M.R.L.
FL

LICENSED PROFESSIONAL
MATTHEW R. LAWSON, P.E.
FL LICENSE NUMBER 76183

REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER
86

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



BOR # PK-33
STA 197+13
OFF 4 FEET RIGHT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

27-INCHES ASPHALT
5.5-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-34
STA 202+13
OFF 3 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

4.0-INCHES ASPHALT
6.5-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
LOOSE ORANGE CLAYEY FINE SAND (A-2-6)
LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-35
STA 207+13
OFF 8 FEET RIGHT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

3.2-INCHES ASPHALT
5.8-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-36
STA 212+13
OFF 8 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGUER

3.1-INCHES ASPHALT
6.1-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY FINE SAND (A-3)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-37
STA 217+13
OFF. 8 FEET RIGHT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

3.7-INCHES ASPHALT
5.7-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-38
STA 222+13
OFF 4 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

3.0-INCHES ASPHALT
8.0-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
LOUSE DARK GRAY SILTY FINE SAND WITH ORGANICS (A-2-4)
LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-39
STA. 227+12
OFF. 5 FEET RIGHT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

2.5-INCHES ASPHALT
6.5-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS (A-2-4)
LOOSE GRAY SILTY FINE SAND (A-2-4)
LOOSE GRAY AND ORANGE CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-40
STA 232+13
OFF. 9 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

4.0-INCHES ASPHALT
6.0-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE BROWN TO GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-41
STA. 237+12
OFF. 9 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

2.8-INCHES ASPHAT
4.2-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-42
STA 242+13
OFF. 4 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

4.6-INCHES ASPHALT
8.6-INCHES LIMEROCK BASE
LOOSE GRAY SILTY FINE SAND (A-2-4)
LOOSE GRAY AND ORANGE CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET)

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, FL 32257
Phone (904) 329-7180

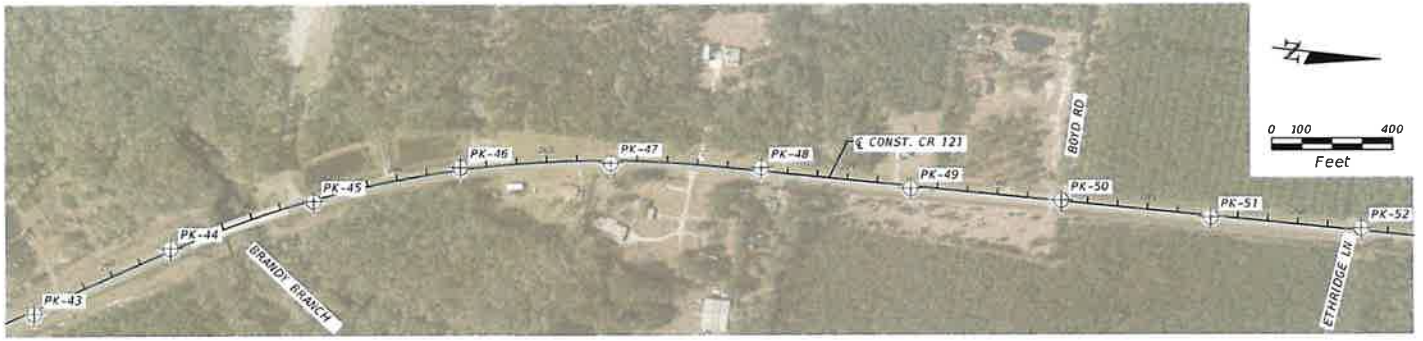
REVISIONS | NO | DATE | BY

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY KJM
DRAWN BY KJM
CHECKED BY MRL
LICENSED PROFESSIONAL MATTHEW R. LANDSKRONER, P.E.
FL LICENSE NUMBER 76183
FL

REPORT OF SOIL BORINGS
CR 121
NASSAU COUNTY

SHEET NUMBER 87

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



BOR # PK-43
STA 247+13
OFF 10 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

3.3-INCHES ASPHALT
7.7-INCHES LIMEROCK BASE
1 LOOSE GRAY SILTY FINE SAND
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-44
STA 252+13
OFF 7 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

3.3-INCHES ASPHALT
9.2-INCHES LIMEROCK BASE
2 LOOSE GRAY SILTY FINE SAND (A-2-4)
4 LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-45
STA 257+13
OFF 4 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

4.0-INCHES ASPHALT
13.5-INCHES LIMEROCK BASE
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-46
STA 262+13
OFF 9 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

3.8-INCHES ASPHALT
8.3-INCHES LIMEROCK BASE
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-47
STA 267+12
OFF 8 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

4.2-INCHES ASPHALT
8.3-INCHES LIMEROCK BASE
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-48
STA 272+11
OFF 11 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

4.3-INCHES ASPHALT
12.7-INCHES LIMEROCK BASE
2 LOOSE GRAY SILTY FINE SAND
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-49
STA 277+12
OFF 8 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

3.4-INCHES ASPHALT
6.3-INCHES RECYCLED ASPHALT STABILIZATION
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-50
STA 282+12
OFF 2 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

3.0-INCHES ASPHALT
6.0-INCHES RECYCLED ASPHALT STABILIZATION
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-51
STA 287+12
OFF 5 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

3.6-INCHES ASPHALT
7.3-INCHES RECYCLED ASPHALT STABILIZATION
1 LOOSE GRAY FINE SAND (A-3)
3 LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-52
STA 292+12
OFF 7 FEET LEFT
DATE 6/1/2023
DRILLER W CHOMAT
HAMMER CPI
RIG HAND AUGER

3.5-INCHES ASPHALT
6.0-INCHES RECYCLED ASPHALT STABILIZATION
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSMAN, P.E.
FL LICENSE NUMBER 76183

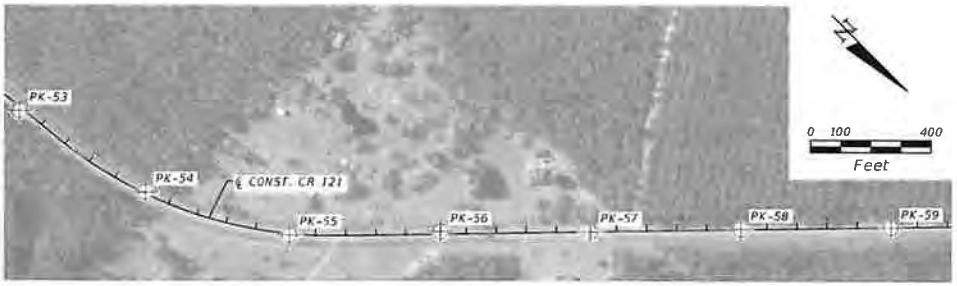
EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY K.M.
DRAWN BY K.M.
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REVISIONS | NO | DATE | BY

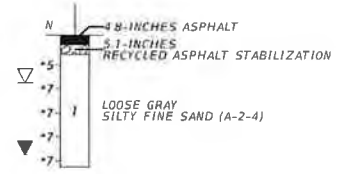
REPORT OF SOIL BORINGS
CR 121
NASSAU COUNTY

SHEET NUMBER
88

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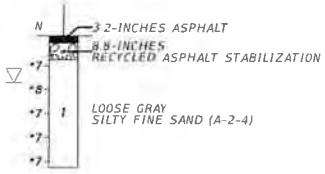


BOR # PK-53
STA 297+13
OFF 10 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



BORING TERMINATED
AT DEPTH OF 5.5 FEET

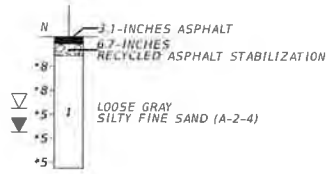
BOR # PK-54
STA 302+12
OFF 4 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



GNE

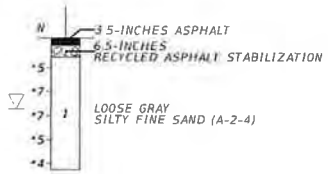
BORING TERMINATED
AT DEPTH OF 5.5 FEET

BOR # PK-55
STA 307+13
OFF 4 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOAMT
HAMMER CPI
RIG HAND AUGER



BORING TERMINATED
AT DEPTH OF 5.5 FEET

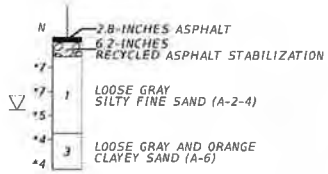
BOR # PK-56
STA 312+14
OFF 8 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



GNE

BORING TERMINATED
AT DEPTH OF 5.5 FEET

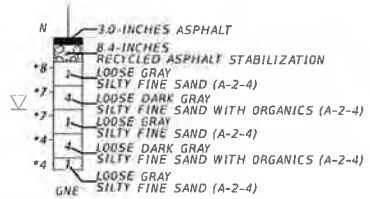
BOR # PK-57
STA 317+13
OFF 1 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



GNE

BORING TERMINATED
AT DEPTH OF 5.5 FEET

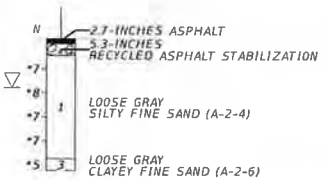
BOR # PK-58
STA 322+13
OFF 1 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



GNE

BORING TERMINATED
AT DEPTH OF 5.5 FEET

BOR # PK-59
STA 327+13
OFF 2 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



GNE

BORING TERMINATED
AT DEPTH OF 5.5 FEET

DEPTH (FEET)
0
5
10

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

EGS PROJECT
13-5423-01
DATE
OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY KJM
DRAWN BY KJM
CHECKED BY MRL

LICENSED PROFESSIONAL
MATTHEW R. LANDSMAN, P.E.
FL LICENSE NUMBER 76183
FL

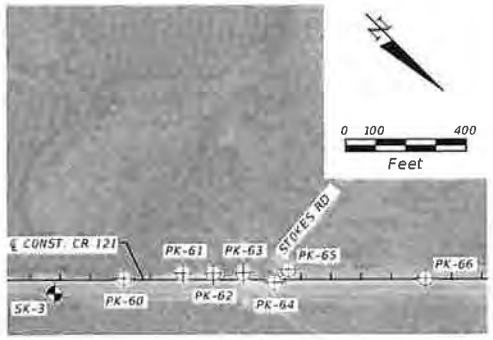
REVISIONS
NO. DATE

REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER
89

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BOR # SK-3
STA 329+81
OFF 45 FEET RIGHT
DATE 6/7/2023
DRILLER W. JOCHIM
HAMMER AUTOMATIC
RIG D-50

N		
	5	MEDIUM DENSE DARK GRAY ORGANIC SILTY FINE SAND (A-2-4)
*12	1	MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
*10	5	MEDIUM DENSE DARK BROWN ORGANIC SILTY FINE SAND (A-2-4)
*10		
*13	4	MEDIUM DENSE DARK BROWN SILTY FINE SAND WITH ORGANICS (A-2-4)
17		
12		
8		
8	1	LOOSE TO MEDIUM DENSE BROWN SILTY FINE SAND (A-2-4)
8		
13		
10		

BORING TERMINATED AT DEPTH OF 20.0 FEET

BOR # PK-60
STA 332+13
OFF 6 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
	3.4-INCHES	ASPHALT
	6.2-INCHES	RECYCLED ASPHALT STABILIZATION
*7	1	LOOSE GRAY SILTY FINE SAND (A-2-4)
*4		
*8	4	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS (A-2-4)
*7		
*7	1	LOOSE GRAY SILTY FINE SAND (A-2-4)
*7		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-61
STA 334+10
OFF 22 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
*8		
*8		
*7	1	LOOSE GRAY FINE SAND (A-3)
*5		
*5		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-62
STA 335+10
OFF 22 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
*8		
*8	1	LOOSE GRAY SILTY FINE SAND (A-2-4)
*7		
*5		
*4		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-63
STA 336+10
OFF 22 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
*8		
*7	1	LOOSE GRAY FINE SAND (A-3)
*7		
*7		
*5		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-64
STA 337+13
OFF 9 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
	2.7-INCHES	ASPHALT
	5.1-INCHES	RECYCLED ASPHALT STABILIZATION
*8		
*8	1	LOOSE GRAY SILTY FINE SAND (A-2-4)
*7		
*7		
*4		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-65
STA 337+60
OFF 33 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
*7		
*7	1	LOOSE GRAY FINE SAND (A-3)
*5		
*4		
*4		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-66
STA 342+13
OFF 2 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
	3.0-INCHES	ASPHALT
	5.0-INCHES	RECYCLED ASPHALT STABILIZATION
*8		
*8	1	LOOSE GRAY SILTY FINE SAND (A-2-4)
*8		
*8		
*5		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10 15 20

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7160

NO.	DATE	BY	REVISIONS

LICENSED PROFESSIONAL ENGINEER
MATTHEW R. LANDSCHOOT, P.E.
FLORIDA LICENSE NUMBER 76183

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY KJM
DRAWN BY KJM
CHECKED BY MRL

FL

REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER
90

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BOR # PK-67
STA 347+13
OFF 5 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
27-INCHES ASPHALT
5.0-INCHES RECYCLED ASPHALT STABILIZATION
7* 8* 5* 5* 4*
1 LOOSE GRAY TO GRAY AND ORANGE SILTY FINE SAND (A-2-4)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-68
STA 352+13
OFF 10 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
32-INCHES ASPHALT
6.0-INCHES RECYCLED ASPHALT STABILIZATION
8* 8* 7* 7* 7*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10

BOR # PK-69
STA. 357+13
OFF. 9 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
32-INCHES ASPHALT
4.5-INCHES RECYCLED ASPHALT STABILIZATION
8* 7* 5* 5* 5*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY AND ORANGE CLAYEY SAND (A-6)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-70
STA 362+14
OFF. 1 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
36-INCHES ASPHALT
6.0-INCHES RECYCLED ASPHALT STABILIZATION
7* 7* 5* 4* 4*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY CLAYEY SAND (A-6)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-71
STA 367+14
OFF. 6 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
31-INCHES ASPHALT
6.4-INCHES RECYCLED ASPHALT STABILIZATION
7* 7* 7* 5* 4*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # SK-4
STA 371+47
OFF. 32 FEET RIGHT
DATE 6/7/2023
DRILLER W. JOCHIM
HAMMER AUTOMATIC
RIG D-50

N
10* 8* 10* 10* 9*
2 LOOSE TO MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
3 MEDIUM DENSE GRAY CLAYEY SAND (A-6)
15 12 13 13 9
1 MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
1 MEDIUM DENSE GRAY FINE SAND (A-3)
12 11
1 MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)

BORING TERMINATED AT DEPTH OF 20.0 FEET

BOR # PK-72
STA 372+14
OFF. 8 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
30-INCHES ASPHALT
7.5-INCHES RECYCLED ASPHALT STABILIZATION
7* 8* 8* 7* 7*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10 15 20

EGS
Environmental & Geotechnical Specialists, Inc.
9771 Kirk Road
Jacksonville, Florida 32257
Phone (904) 329-7160

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EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY KJM
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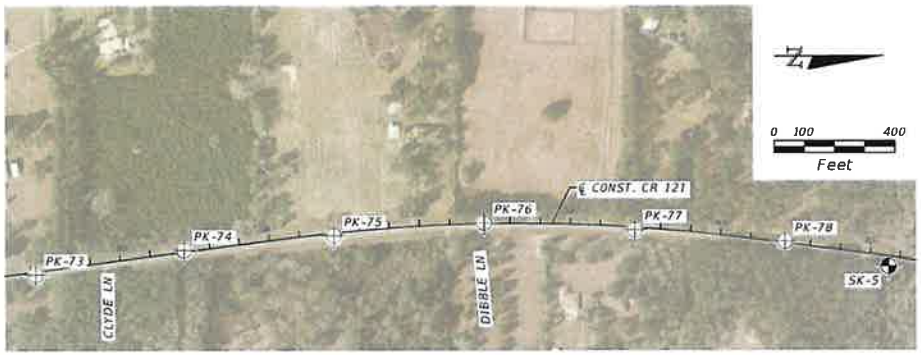
LICENSED PROFESSIONAL
MATTHEW R. LANDSDOWN, P.E.
FL LICENSE NUMBER 76183
FL

REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER
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BOR # PK-73
STA 377+14
OFF. 10 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.8-INCHES ASPHALT
6.4-INCHES RECYCLED ASPHALT STABILIZATION
2 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-74
STA 382+14
OFF. 6 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
2.7-INCHES ASPHALT
7.3-INCHES RECYCLED ASPHALT STABILIZATION
2 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10

BOR # PK-75
STA 387+14
OFF. 9 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.8-INCHES ASPHALT
5.6-INCHES RECYCLED ASPHALT STABILIZATION
1 LOOSE GRAY TO BROWN AND GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-76
STA 392+15
OFF. 3 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
2.5-INCHES ASPHALT
6.0-INCHES RECYCLED ASPHALT STABILIZATION
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-77
STA 397+14
OFF. 8 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.1-INCHES ASPHALT
5.5-INCHES RECYCLED ASPHALT STABILIZATION
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY AND ORANGE CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-78
STA. 402+14
OFF. 5 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
2.5-INCHES ASPHALT
6.0-INCHES RECYCLED ASPHALT STABILIZATION
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY TO GRAY AND ORANGE CLAYEY SAND
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # SK-5
STA 405+67
OFF. 32 FEET RIGHT
DATE 6/7/2023
DRILLER W. JOCHIM
HAMMER AUTOMATIC
RIG D-50

N
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
5 LOOSE DARK GRAY ORGANIC SILTY FINE SAND (A-2-4)
1 LOOSE TO MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
BORING TERMINATED AT DEPTH OF 20.0 FEET

DEPTH (FEET) 0 5 10 15 20

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
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Phone: (904) 329-7180

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MATTHEW R. LANDSKOOL, P.E.
FL LICENSE NUMBER 76183

EGS PROJECT 13-54-23-01
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REPORT OF SOIL BORINGS
CR 121
NASSAU COUNTY, FL

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BOR # PK-79
STA 407+15
OFF 13 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
*7
*8
1
4.0-INCHES ASPHALT
4.0-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
REFUSAL @ 3.0 FEET
GNE
BORING TERMINATED AT DEPTH OF 2.5 FEET

BOR # PK-80
STA 412+15
OFF 2 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
*7
*4
*4
*5
*5
1
3
3.0-INCHES ASPHALT
5.0-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
LOOSE GRAY AND ORANGE CLAYEY SAND (A-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-81
STA 417+15
OFF 9 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
*8
*5
*7
*4
*4
1
3.5-INCHES ASPHALT
4.7-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET)
0
5
10

BOR # PK-82
STA 422+15
OFF 10 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
*8
*5
*5
*4
*5
1
3
3.9-INCHES ASPHALT
5.3-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
LOOSE GRAY AND ORANGE CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-83
STA 427+15
OFF 4 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
*8
*8
*7
*7
*7
1
3.8-INCHES ASPHALT
4.7-INCHES RECYCLED ASPHALT STABILIZATION
LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-84
STA 430+48
OFF 33 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
*7
*7
*7
*5
*5
1
LOOSE GRAY TO GRAY AND ORANGE FINE SAND (A-3)
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET)
0
5

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone (904) 329-7180

EGS PROJECT 13-54-23-01
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DRAWN BY K.M.
CHECKED BY M.R.L.
FL LICENSED PROFESSIONAL ENGINEER
MATTHEW R. LANDSKRON, P.E.
FL LICENSE NUMBER 76183
DATE

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REPORT OF SOIL BORINGS
CR 121
NASSAU COUNTY

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NOTES

1. NUMBERS LEFT OF BORING INDICATE STANDARD PENETRATION TEST (SPT) N-VALUES OR EQUIVALENT FOR 12-INCH PENETRATION.
2. GROUNDWATER ELEVATIONS SHOWN ARE THE GROUNDWATER ELEVATIONS ENCOUNTERED. FLUCTUATIONS IN THE ELEVATION OF GROUNDWATER SHOULD BE EXPECTED.
3. SOIL DESCRIPTIONS, TEST DATA, AND STANDARD PENETRATION VALUES SHOWN ARE FOR THE SOIL BORING ONLY AND MAY NOT APPLY TO ANY OTHER LOCATIONS EXCEPT AT THE LOCATION OF THE SOIL BORING. EXTRAPOLATION OF THE SOIL BORING DATA TO OTHER LOCATIONS IS THE SOLE RESPONSIBILITY OF THE PERSON PERFORMING THE EXTRAPOLATION.
4. ASTERISK (*) INDICATES EQUIVALENT SPT N-VALUE CONVERTED FROM CONE PENETROMETER INDEX (CPI) VALUES.

SAFETY HAMMER

GRANULAR MATERIALS RELATIVE DENSITY	SPT (BLOWS/12 IN)	SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/12 IN)
VERY LOOSE	LESS THAN 4	VERY SOFT	LESS THAN 2
LOOSE	4 - 10	SOFT	2 - 4
MEDIUM DENSE	10 - 20	FIRM	4 - 8
DENSE	20 - 50	STIFF	8 - 15
VERY DENSE	GREATER THAN 50	VERY STIFF	15 - 30
		HARD	GREATER THAN 30

AUTOMATIC HAMMER

GRANULAR MATERIALS RELATIVE DENSITY	SPT (BLOWS/12 IN)	SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/12 IN)
VERY LOOSE	LESS THAN 3	VERY SOFT	LESS THAN 1
LOOSE	3 - 8	SOFT	1 - 4
MEDIUM DENSE	8 - 24	FIRM	3 - 6
DENSE	24 - 40	STIFF	6 - 12
VERY DENSE	GREATER THAN 40	VERY STIFF	12 - 24
		HARD	GREATER THAN 24

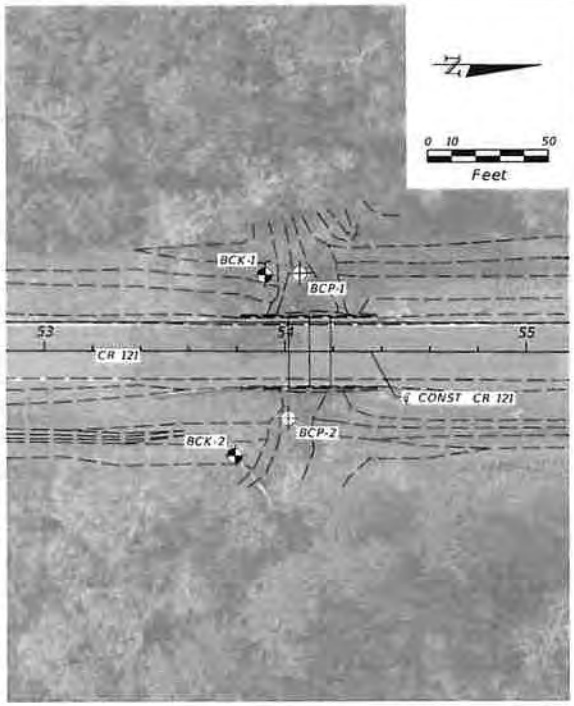
SPLIT-SPOON — INSIDE DIAMETER: 1.375 IN; OUTSIDE DIAMETER: 2.0 IN; AVG. HAMMER DROP: 30.0 IN; HAMMER WEIGHT: 140 LBS

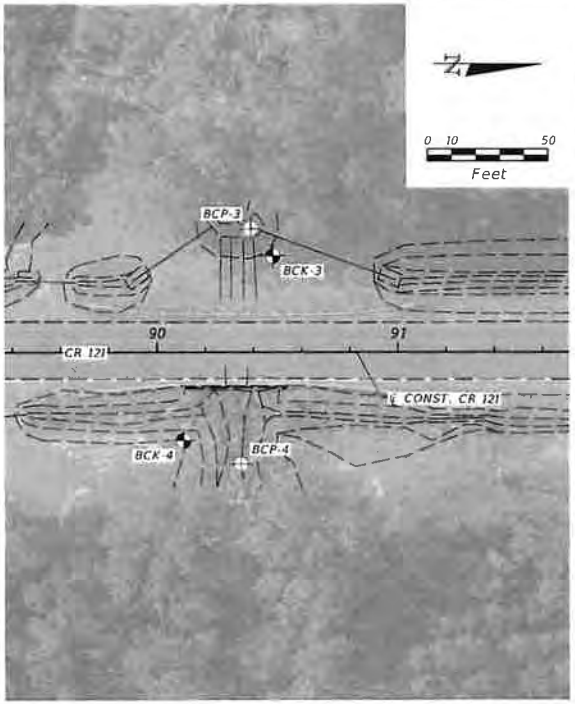
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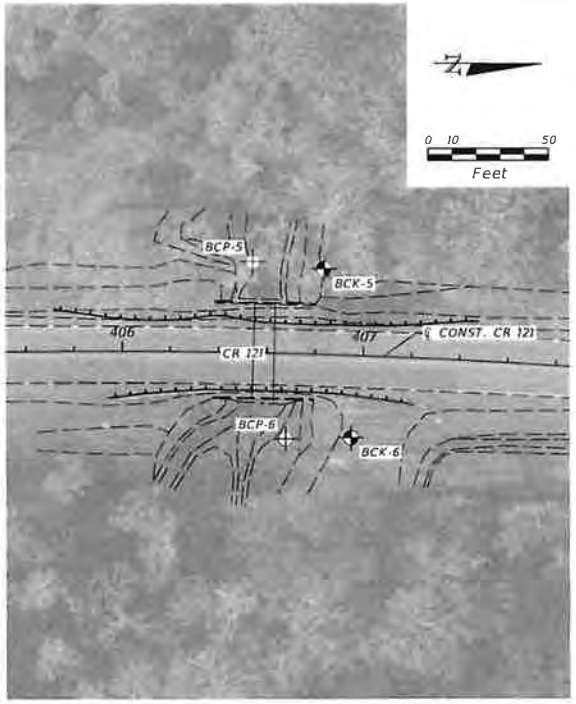
- SOIL BORING LOCATION
- HAND AUGER SOIL BORING LOCATION
- MEASURED WATER LEVEL
- LABORATORY TESTING RESULTS
- WATER CONTENT — Wc=
- -200 SIEVE — -200=
- PLASTICITY INDEX — PI=
- LIQUID LIMIT — LL=
- ORGANIC CONTENT — OC%=
- USCS GROUP SYMBOL — (SP-SM)

- MEDIUM SAND TO FINE SAND WITH ORGANICS (SP-SM)
- SILTY FINE SAND TO SILTY FINE SAND WITH ORGANICS (SM)
- CLAYEY FINE SAND TO PLASTIC CLAYEY SAND WITH ORGANICS (SC)
- HIGHLY PLASTIC SANDY SILT (MH)
- SANDY CLAY TO HIGHLY PLASTIC SANDY CLAY (CL TO CH)
- ORGANIC SILTY FINE SAND (SM)
- MUCK (OL)

SOIL BORING LOCATION MAPS







EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-4180

REVISIONS | No. | DATE | BY

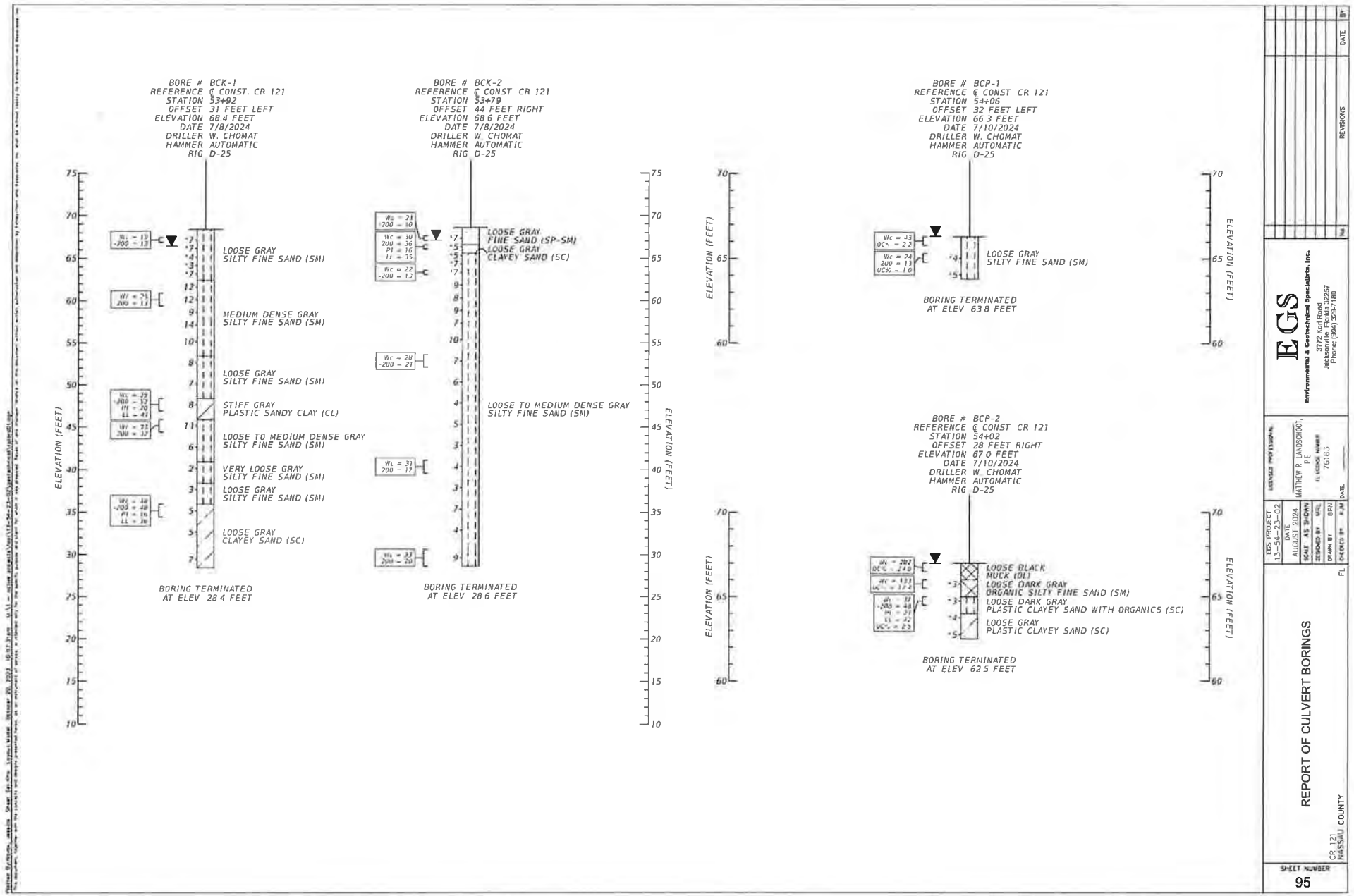
LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, PE
FL LICENSE NUMBER 76183

EGS PROJECT 13-56-23-02
DATE AUGUST 2024
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DRAWN BY BPH
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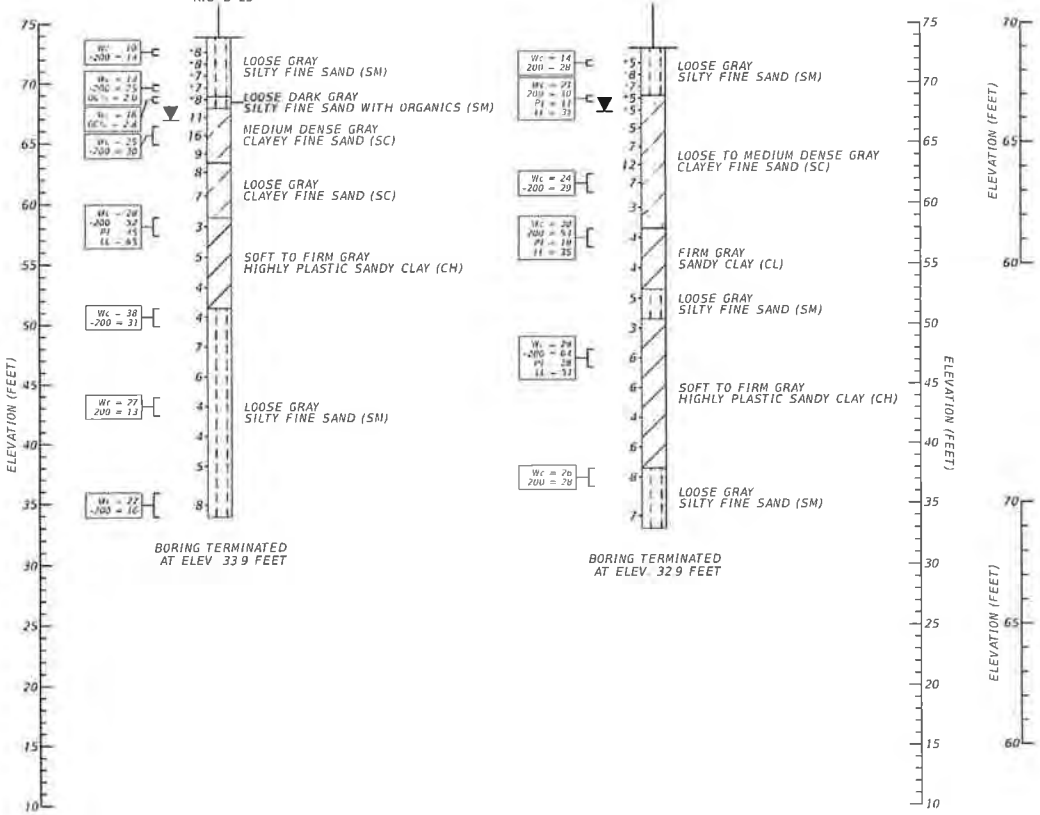
REPORT OF CULVERT BORINGS
CR 121
NASSAU COUNTY, FL

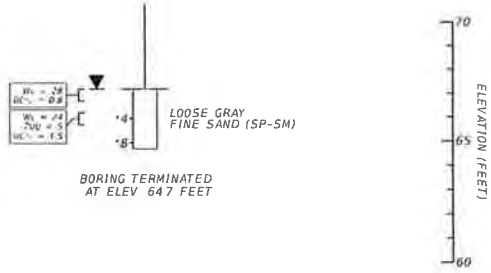
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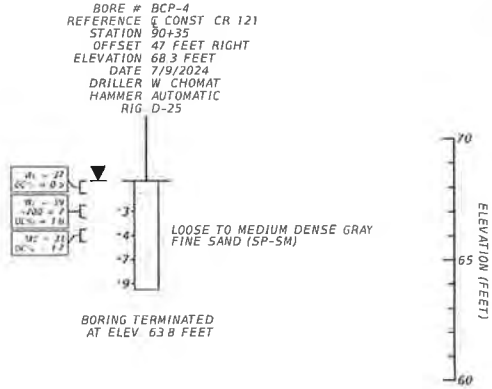
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LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183

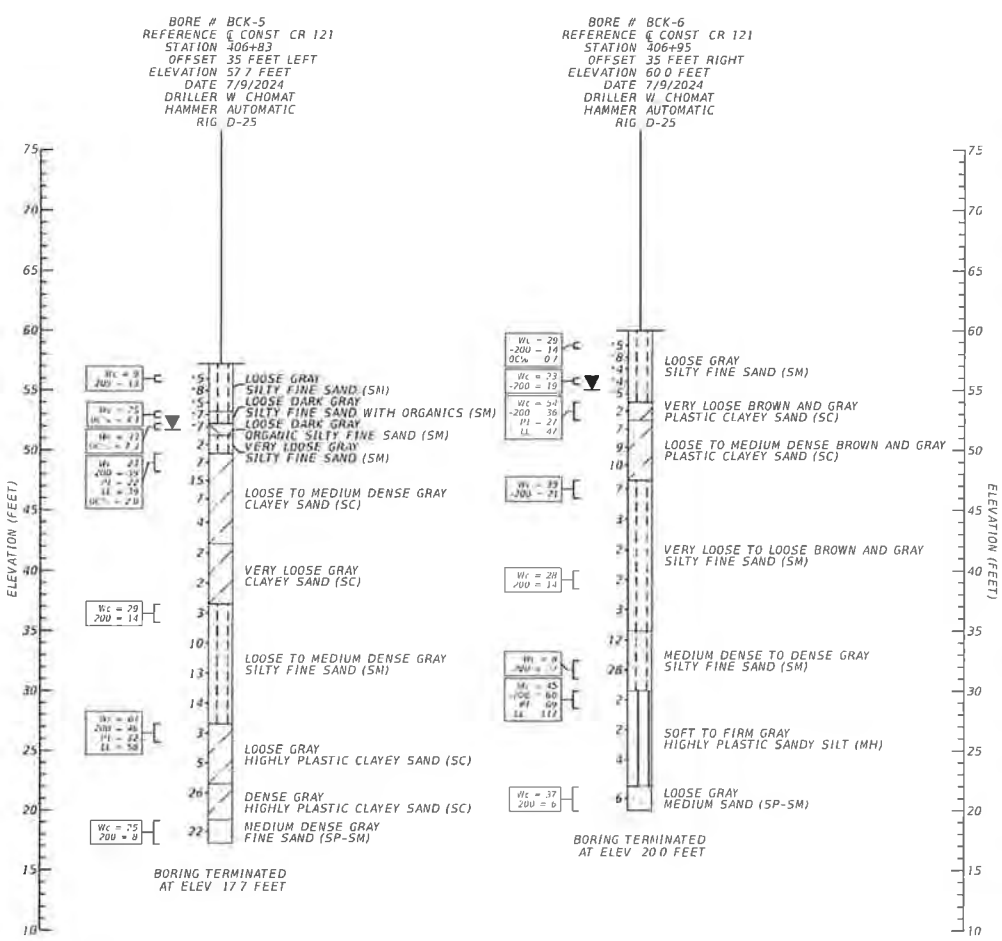
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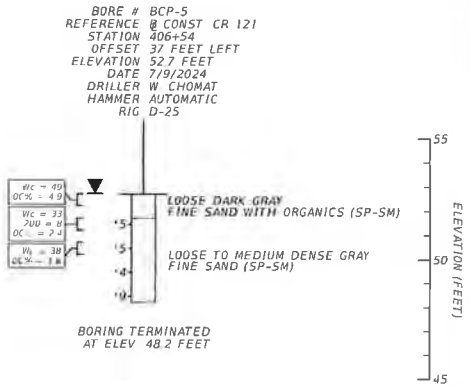
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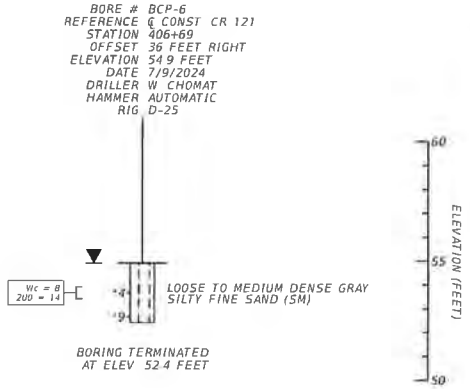
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REPORT OF CULVERT BORINGS

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Phone: (904) 329-7180

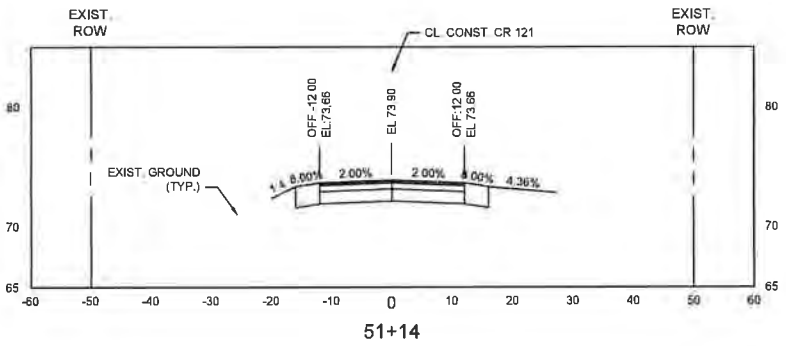
LICENSED PROFESSIONAL
MATTHEW R. LIMOSCHOL
P.E.
FL LICENSE NUMBER
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13-54-23-02
DATE
AUGUST 2024
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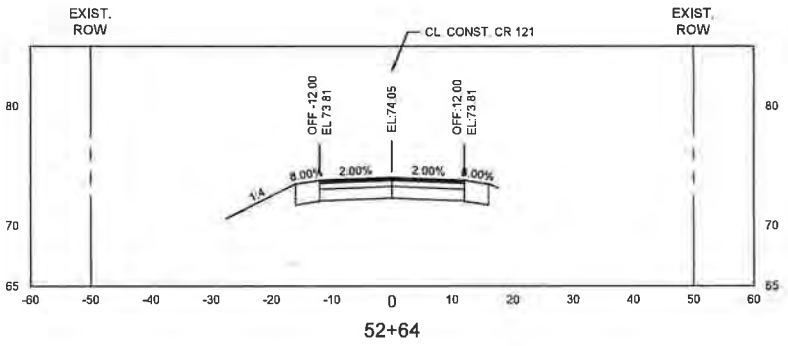
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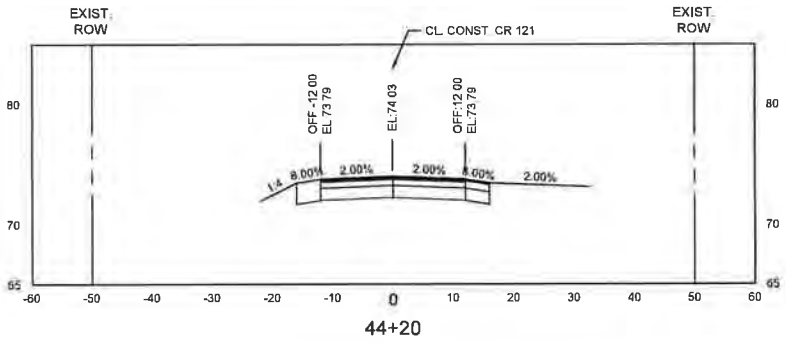
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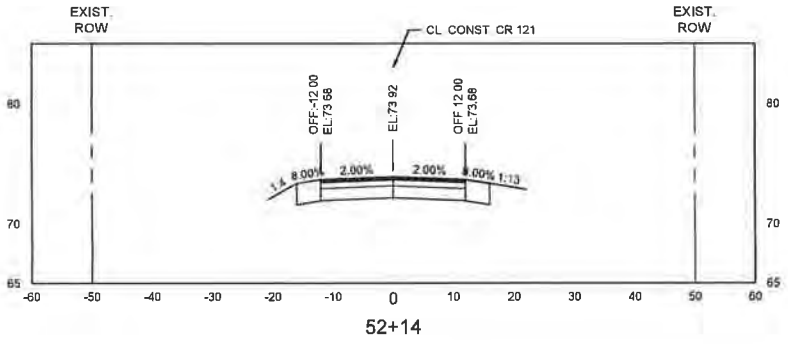
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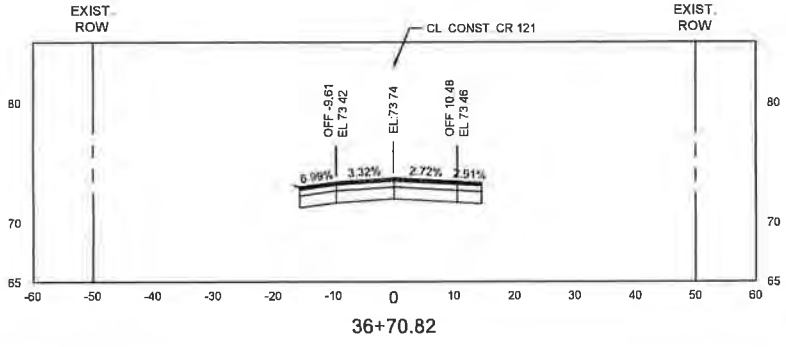
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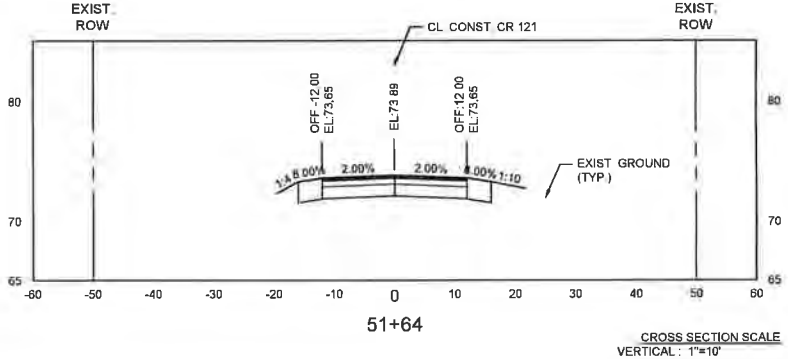
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36+70.82



51+64

CROSS SECTION SCALE
VERTICAL : 1"=10'
HORIZONTAL: 1"=20'

CROSS SECTION

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
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DRAWN BY ---
CHECKED BY ---

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90846
DATE ---

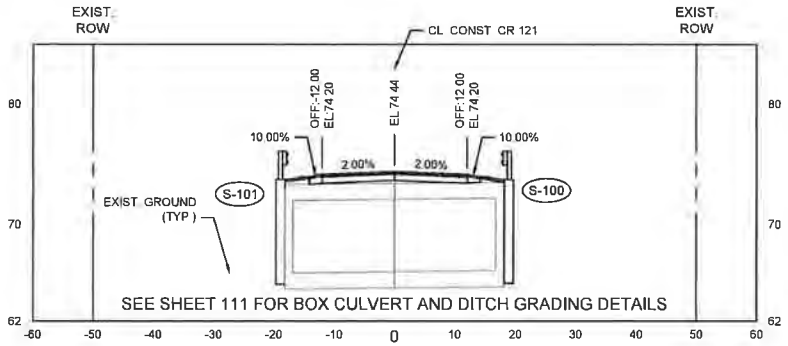
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12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM CERTIFICATE NO. 35196

NO.	REVISIONS	DATE	BY

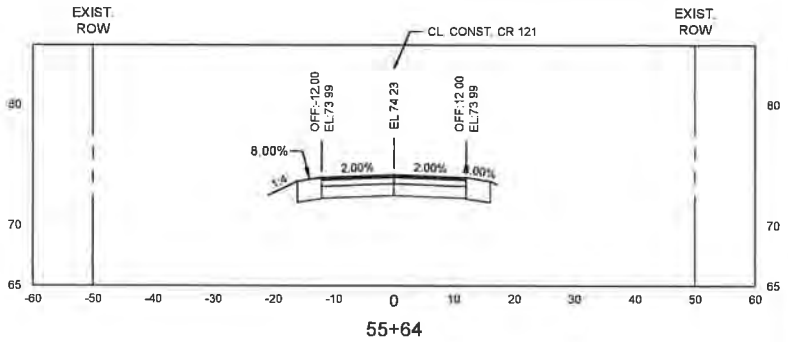
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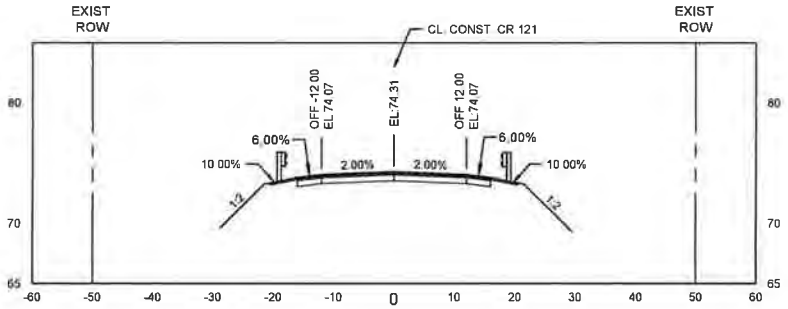
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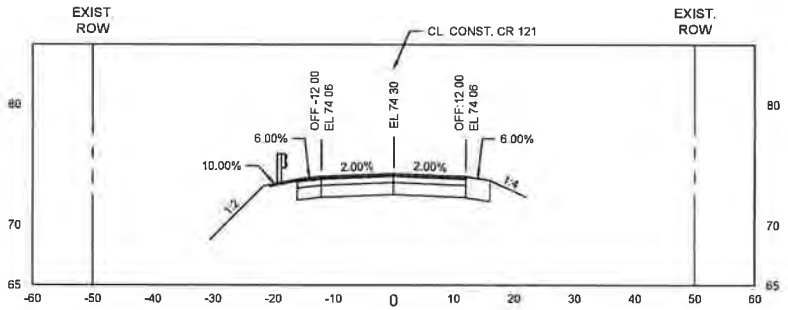
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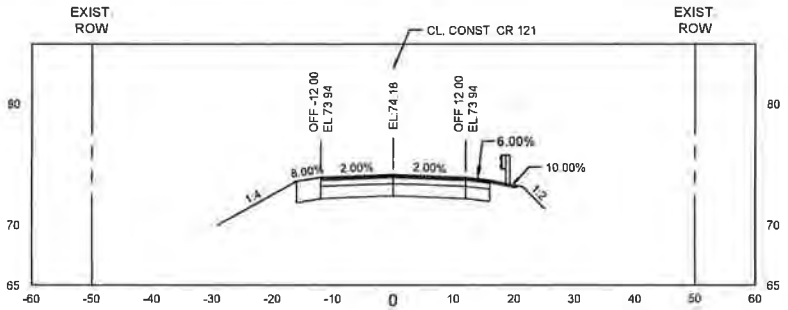
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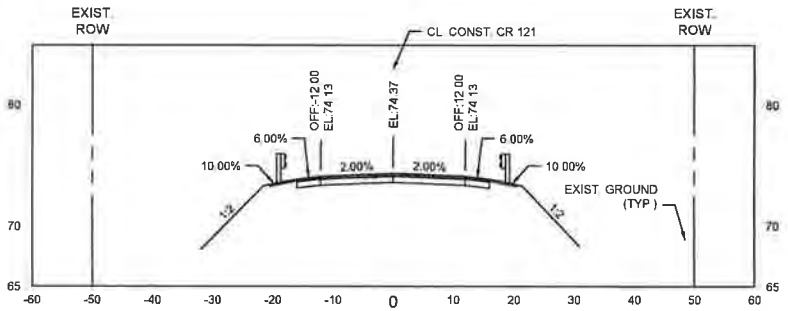
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55+14



53+14



54+64

CROSS SECTION SCALE
VERTICAL 1"=10'
HORIZONTAL: 1"=20'

CROSS SECTION

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

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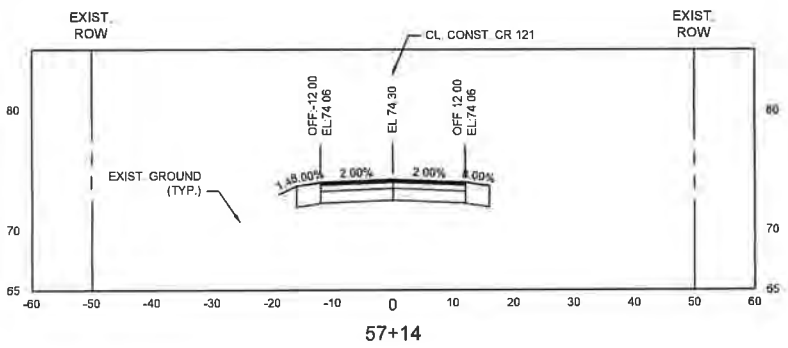
JESSICA NOVAK, P.E.
90848

PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN

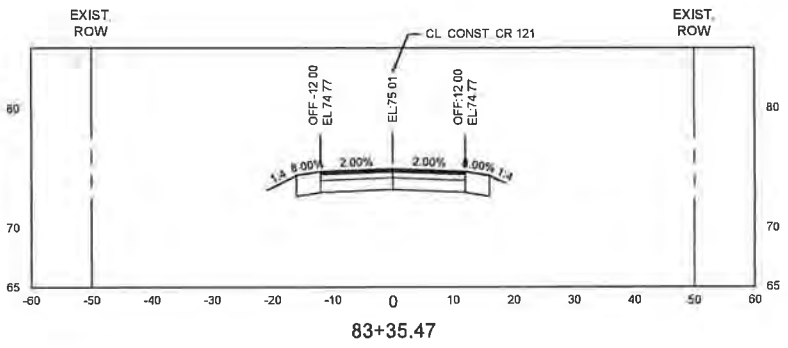
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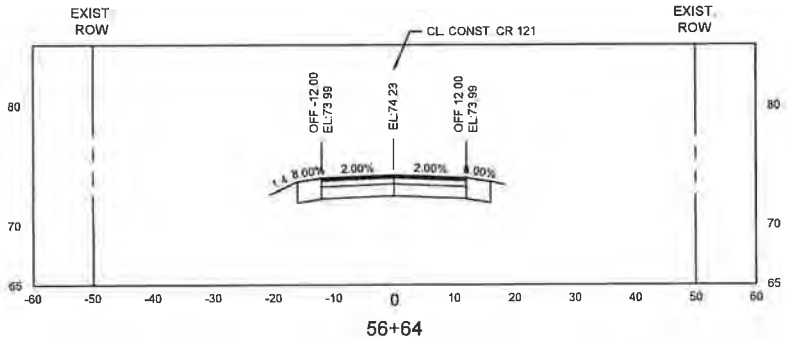
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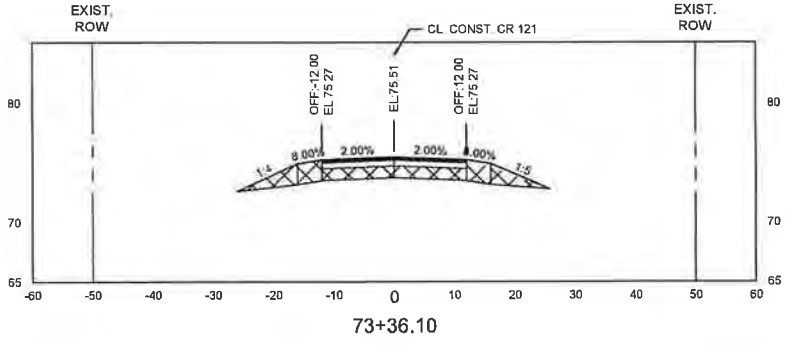
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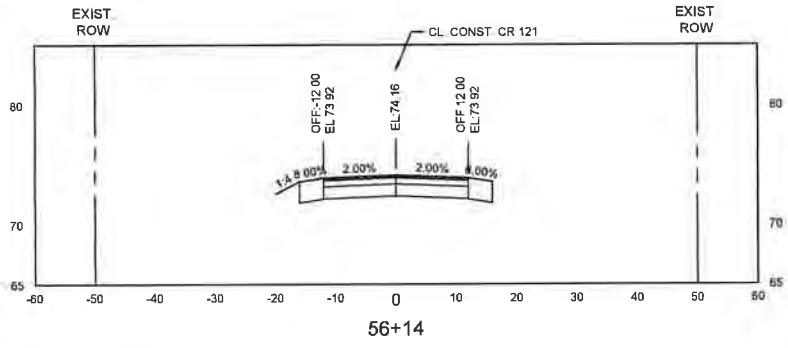
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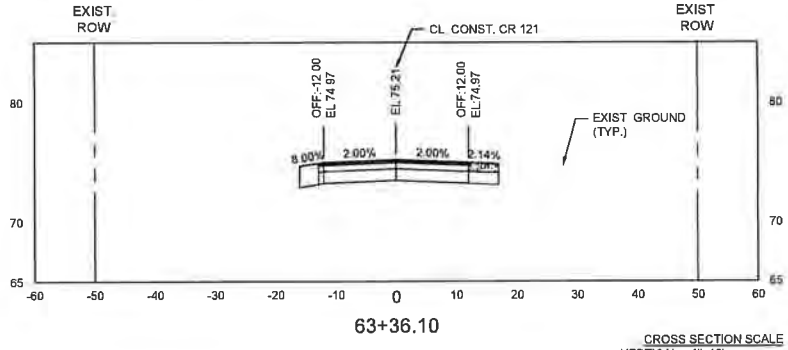
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63+36.10

SUBSOIL EXCAVATION

CROSS SECTION SCALE
VERTICAL : 1"=10'
HORIZONTAL: 1"=20'

CROSS SECTION

CR 121 PHASE 1
NASSAU COUNTY

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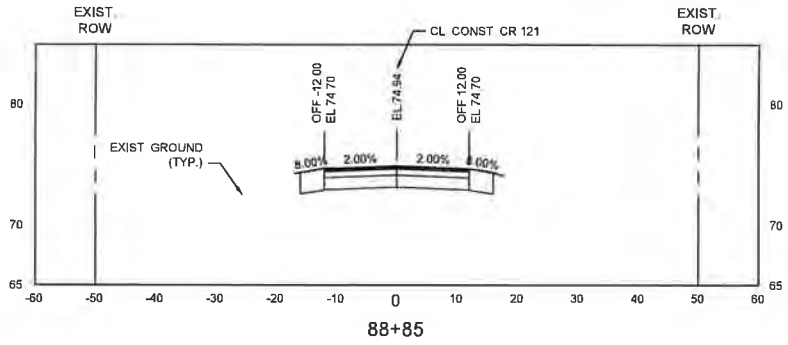
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848

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DATE NOVEMBER 2024
SCALE AS SHOWN
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DRAWN BY ---
CHECKED BY ---

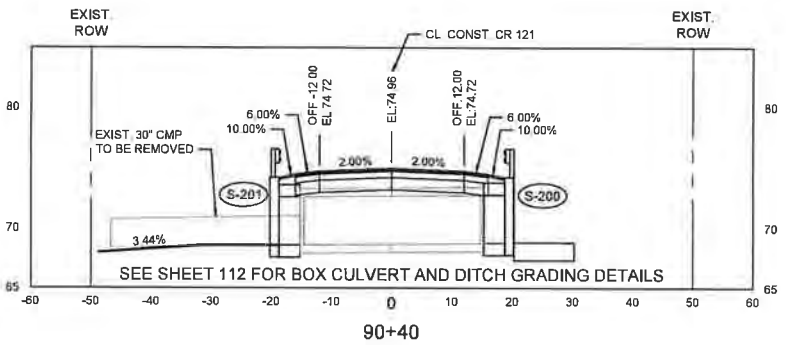
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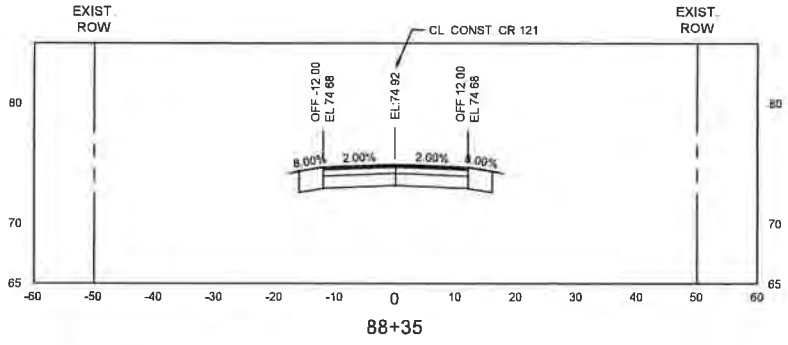
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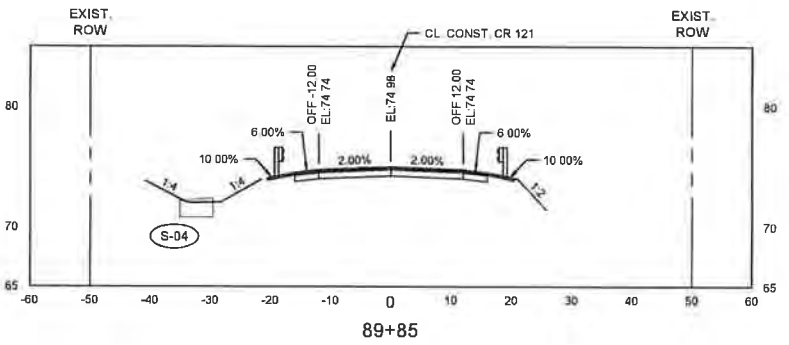
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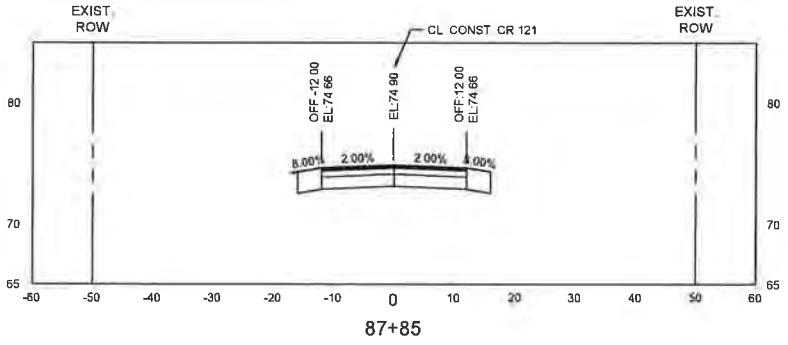
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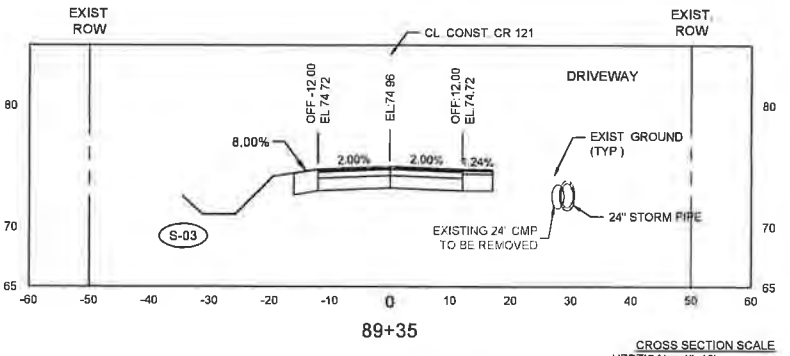
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89+85



87+85



89+35

CROSS SECTION SCALE
VERTICAL : 1"=10'
HORIZONTAL 1"=20'

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PHONE: 904-828-3900

REVISIONS

NO.	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848
DATE:

KHA PROJECT 043046005
DATE
NOVEMBER 2024
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DRAWN BY
CHECKED BY

FLORIDA

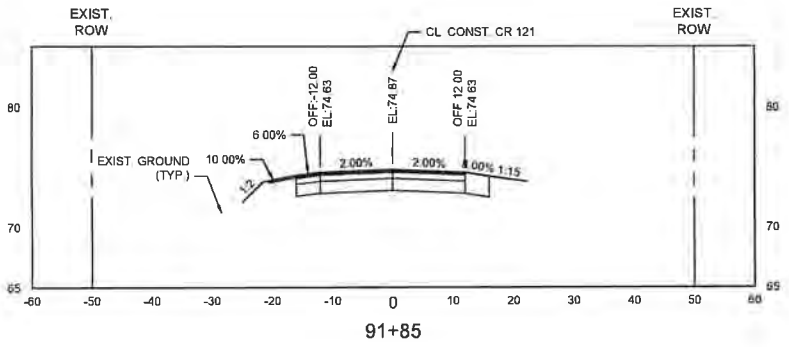
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CR 121 PHASE 1
NASSAU COUNTY

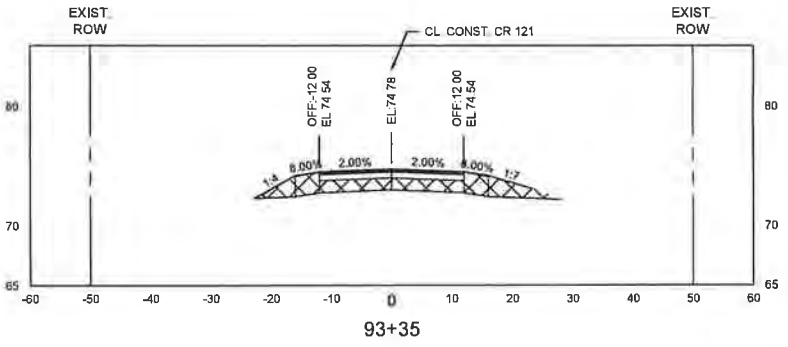
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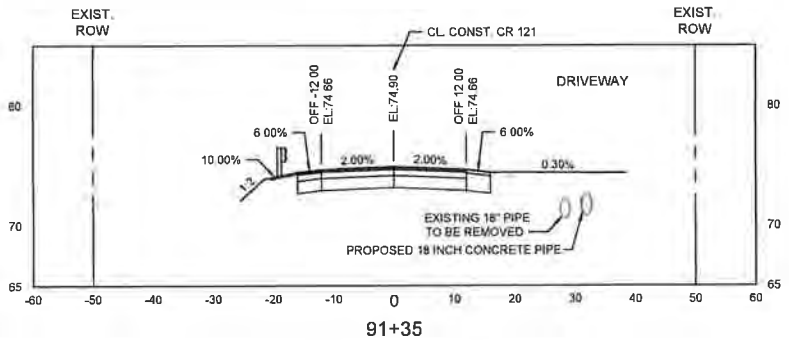
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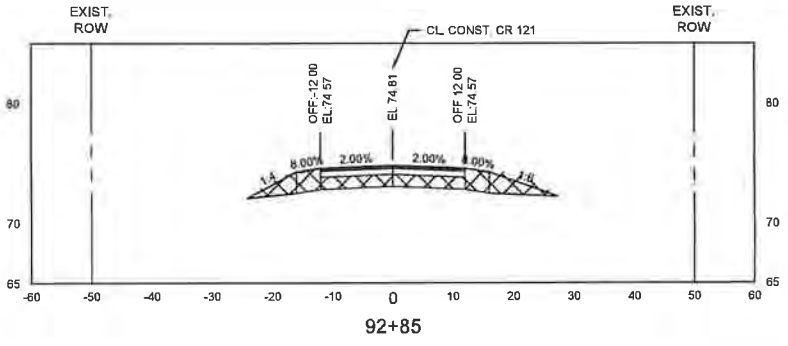
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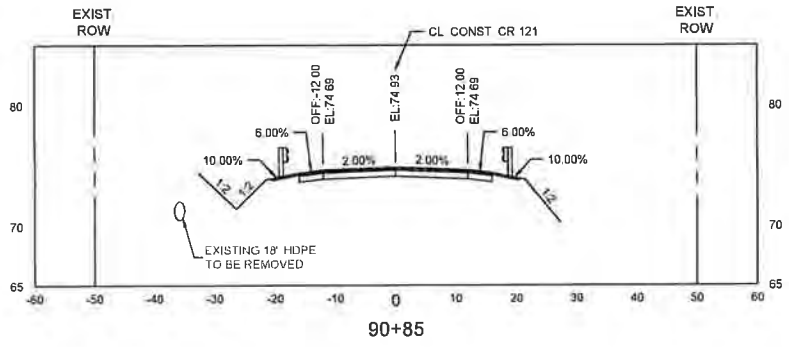
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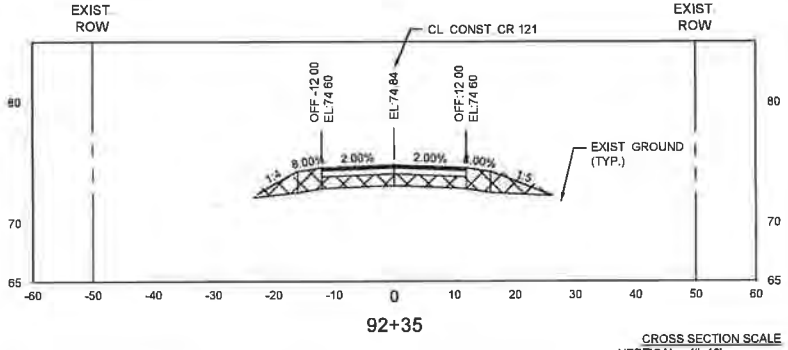
91+35



92+85



90+85



92+35

SUBSOIL EXCAVATION

CROSS SECTION SCALE
VERTICAL : 1"=10'
HORIZONTAL: 1"=20'

Kimley»Horn

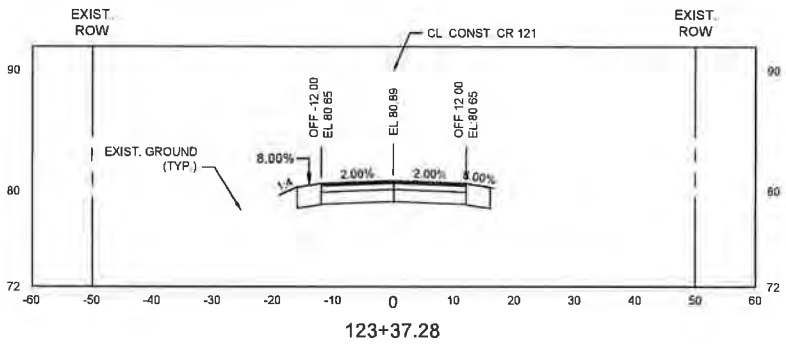
CROSS SECTION

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

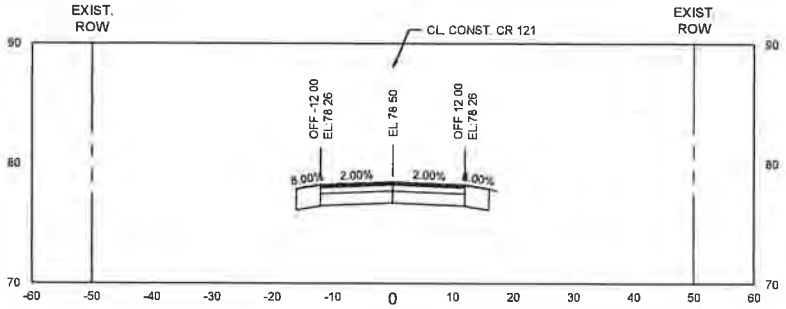
SHEET NUMBER 102

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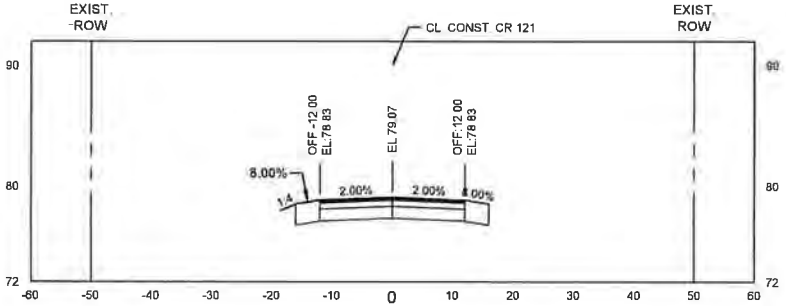
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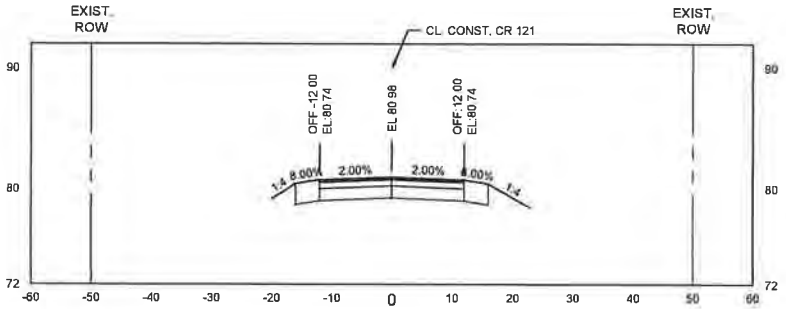
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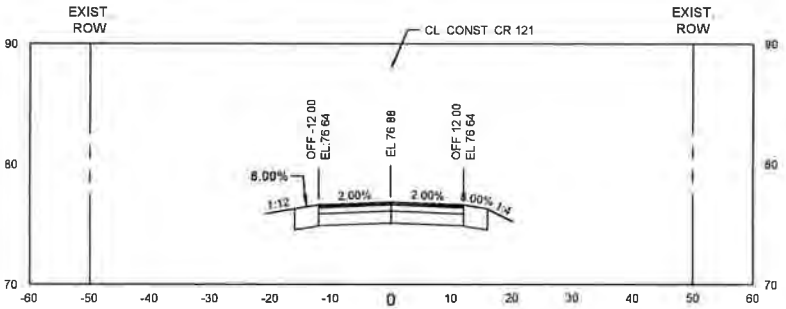
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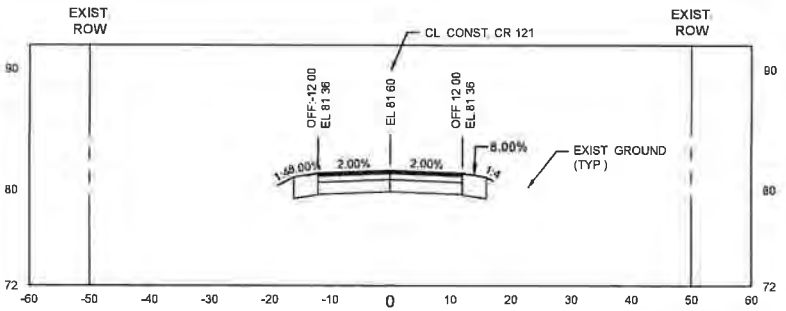
113+36.64



143+37.63



103+35.77



133+37.59

CROSS SECTION SCALE
VERTICAL 1"=10'
HORIZONTAL 1"=20'

CROSS SECTION

CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER
103

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JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848
DATE:

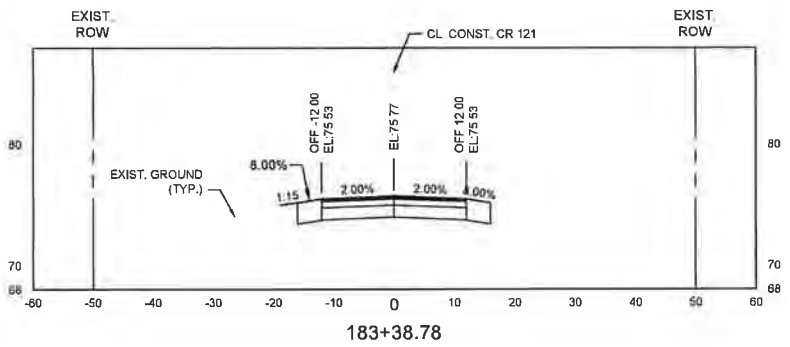
KHA PROJECT
045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

FLORIDA

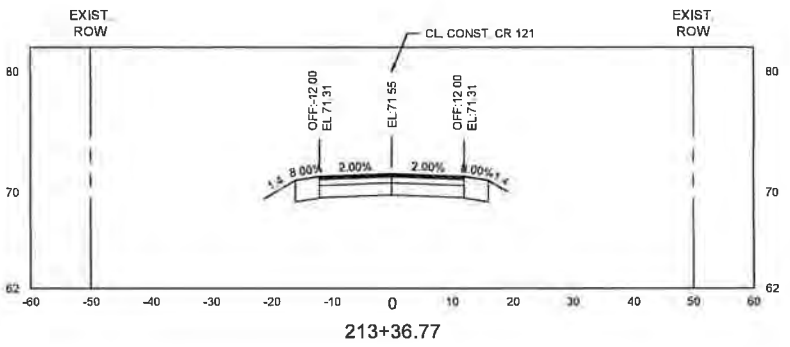
REVISIONS
NO. DATE BY

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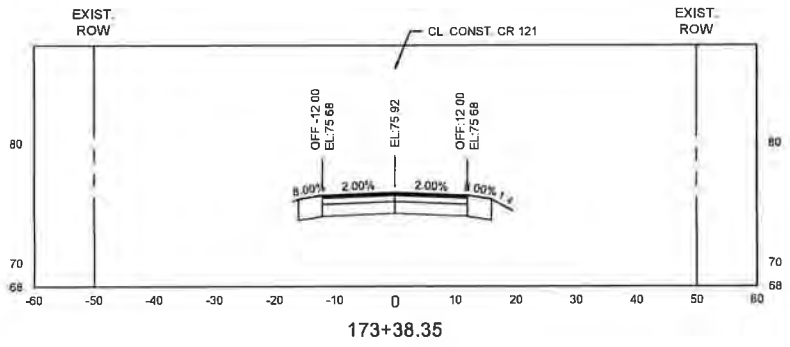
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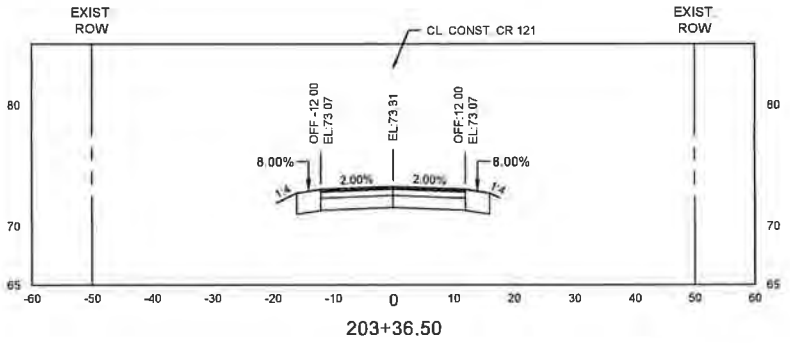
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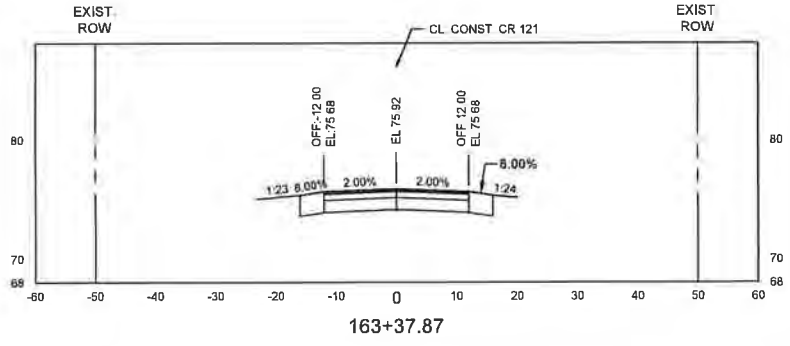
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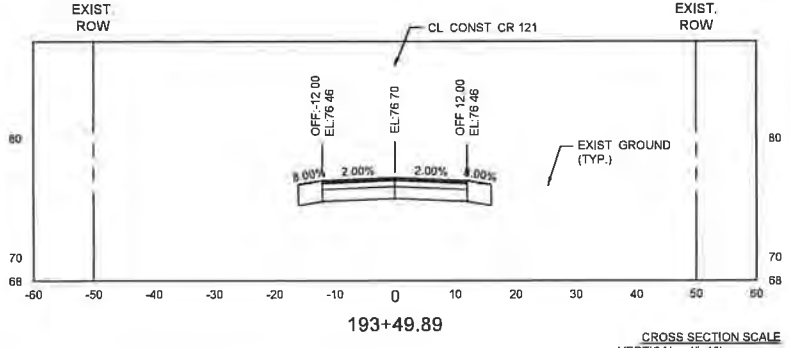
173+38.35



203+36.50



163+37.87



193+49.89

CROSS SECTION SCALE
VERTICAL : 1"=10'
HORIZONTAL: 1"=20'

NO.	REVISIONS	DATE	BY

Kimley»Horn
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12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY ----
DRAWN BY ----
CHECKED BY ----
DATE ----

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848
STATE OF FLORIDA

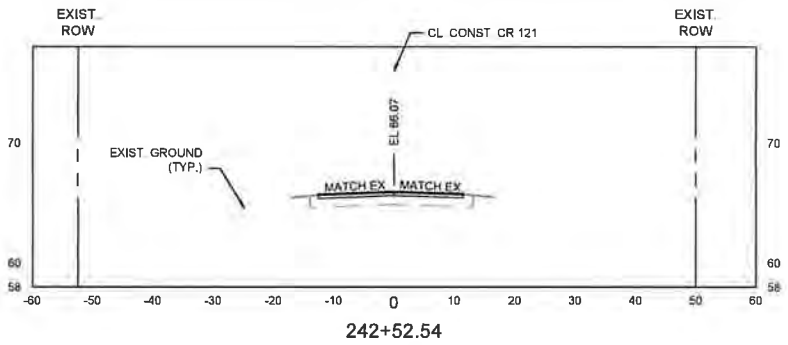
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CR 121 PHASE 1
NASSAU COUNTY, FLORIDA

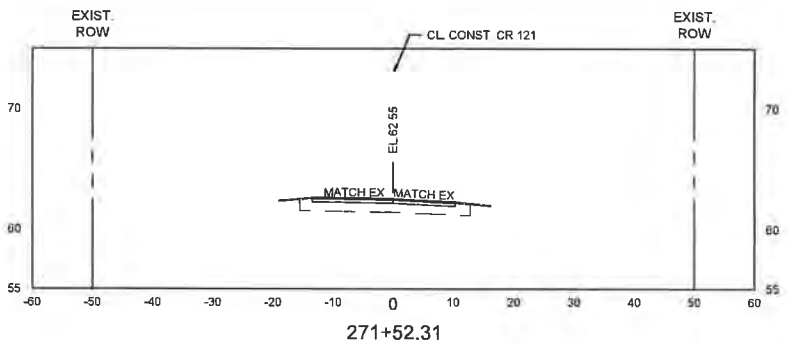
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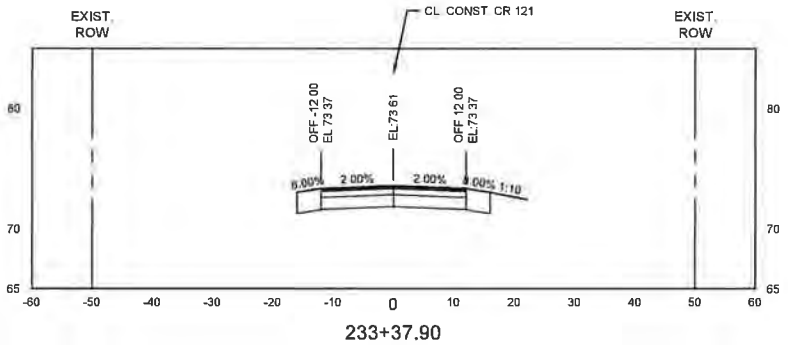
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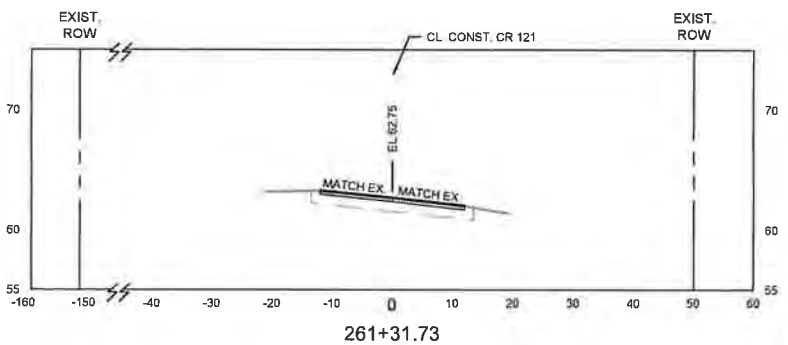
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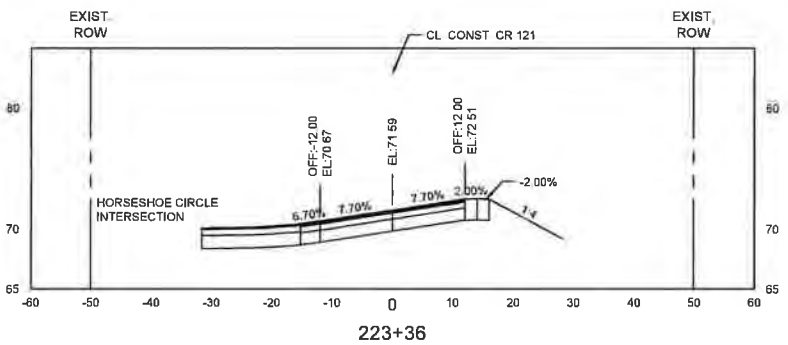
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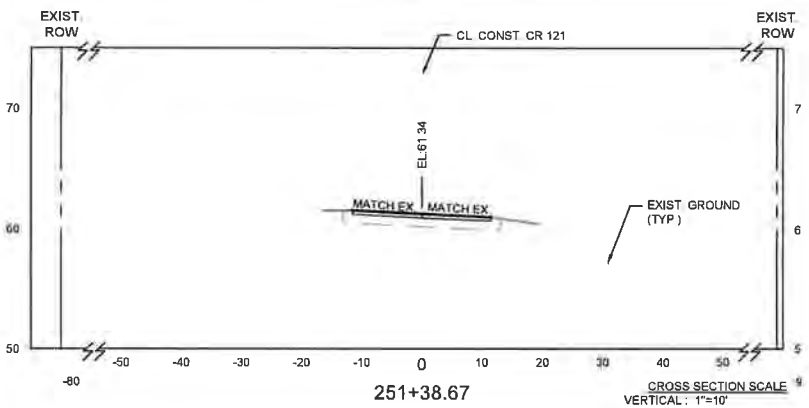
233+37.90



261+31.73



223+36



251+38.67

CROSS SECTION SCALE
VERTICAL : 1"=10'
HORIZONTAL 1"=20'

CROSS SECTION

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

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JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848

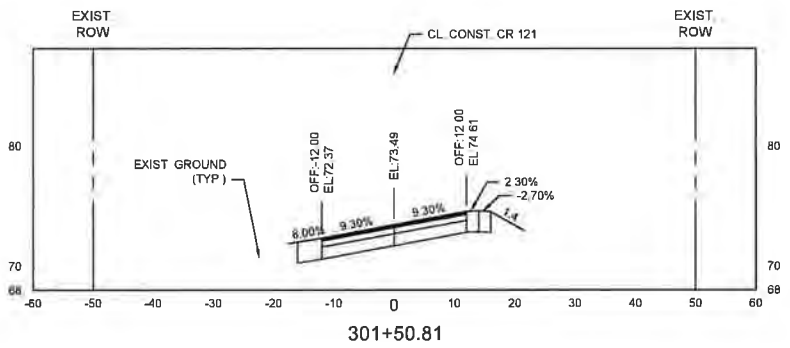
KHA PROJECT
045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY ----
DRAWN BY ----
CHECKED BY ----
DATE: ----

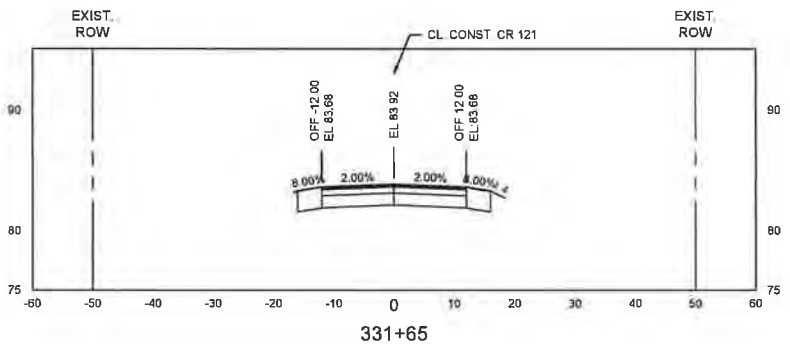
REVISIONS
NO. DATE BY

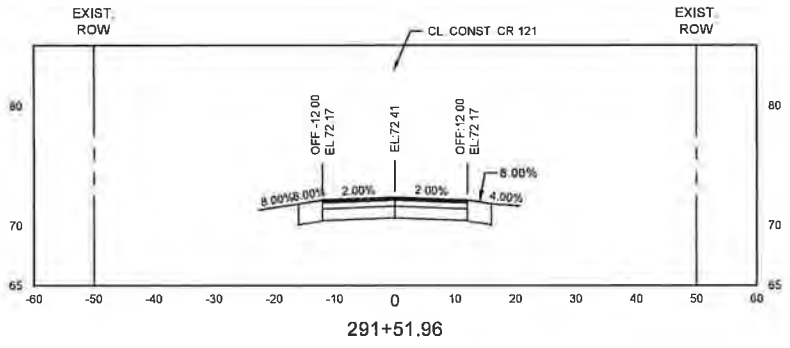
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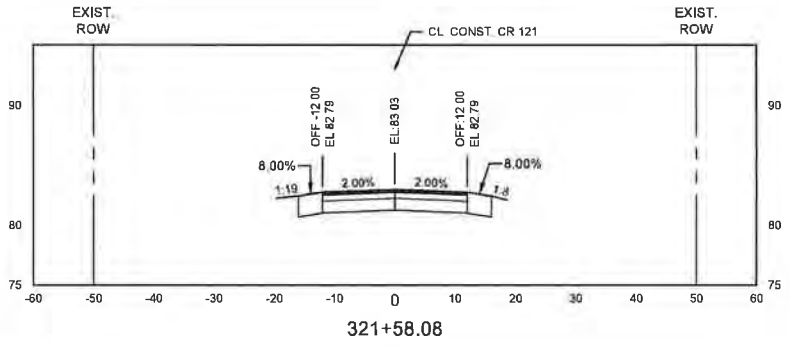
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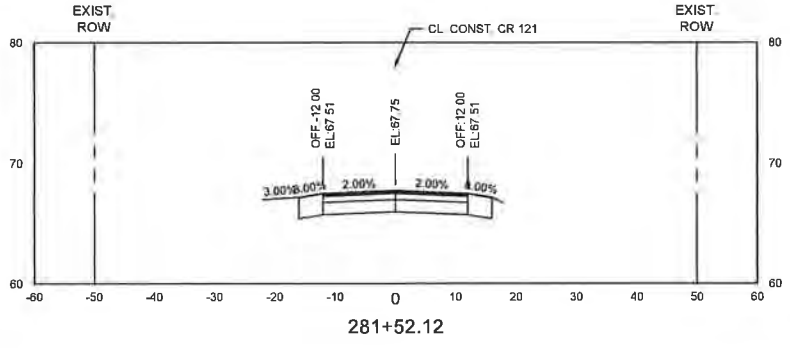
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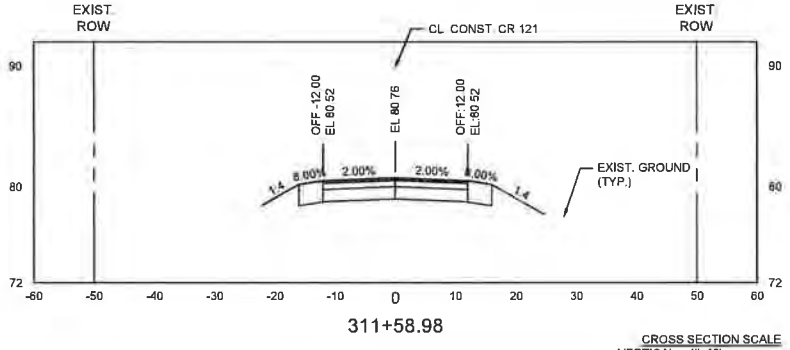












CROSS SECTION SCALE
VERTICAL : 1"=10'
HORIZONTAL: 1"=20'

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PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM CERTIFICATE No. 35196

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848
DATE:

KHA PROJECT
045046005
DATE
NOVEMBER, 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

NO.	REVISIONS	DATE	BY

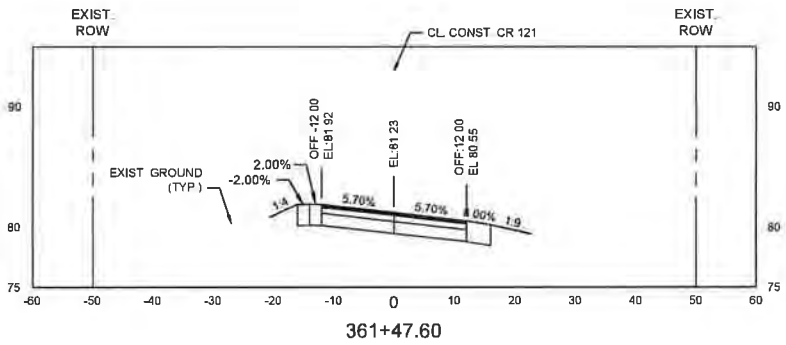
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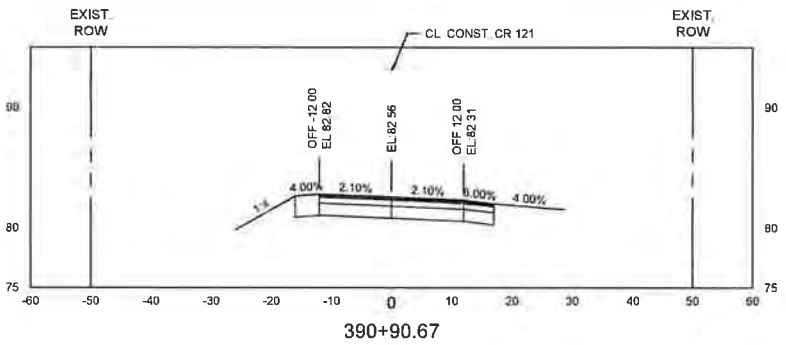
CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

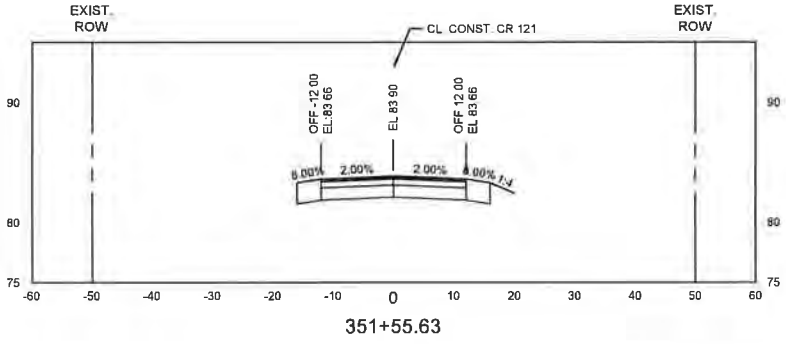
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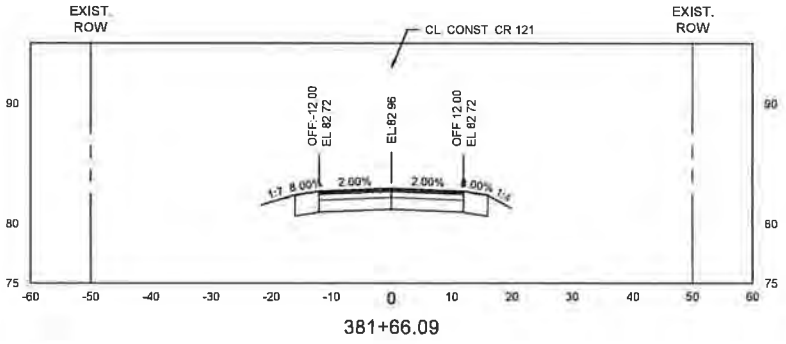
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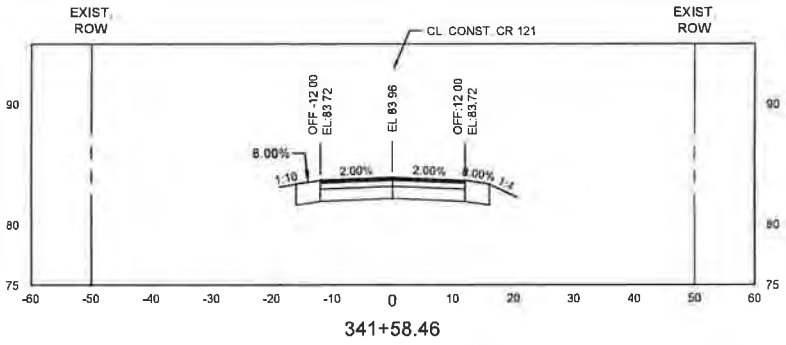
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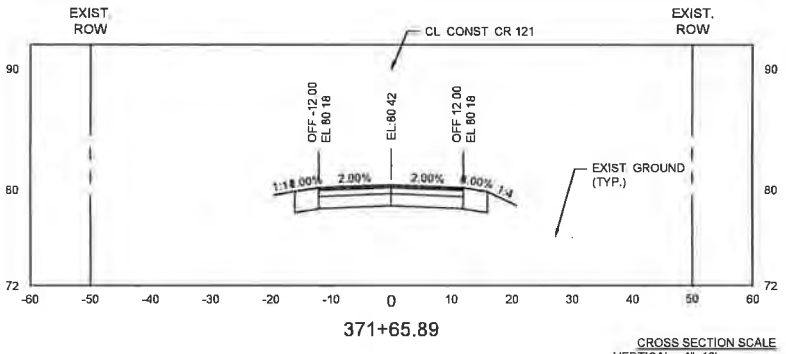












CROSS SECTION SCALE
VERTICAL : 1"=10'
HORIZONTAL 1"=20'

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JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3400
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

REVISIONS | NO. | DATE | BY

KHA PROJECT 049046009
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY
LICENSED PROFESSIONAL ENGINEER
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90846
DATE

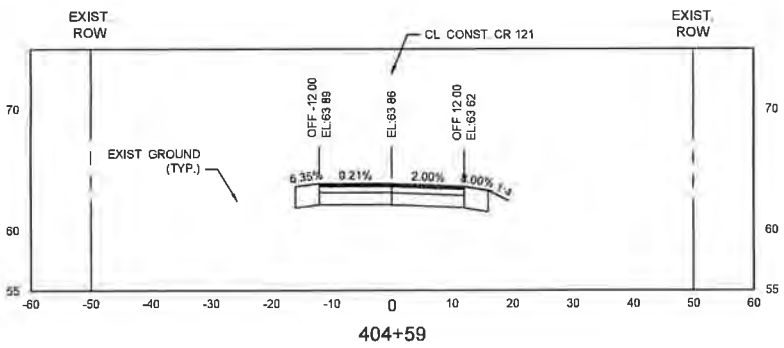
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CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

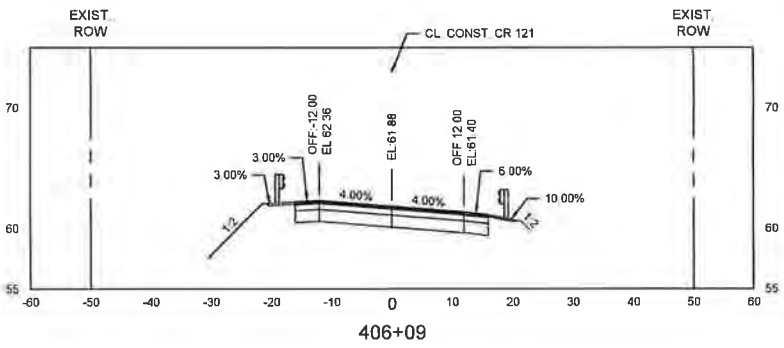
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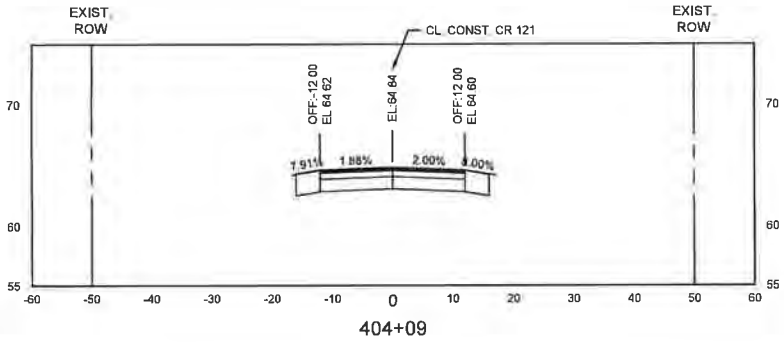
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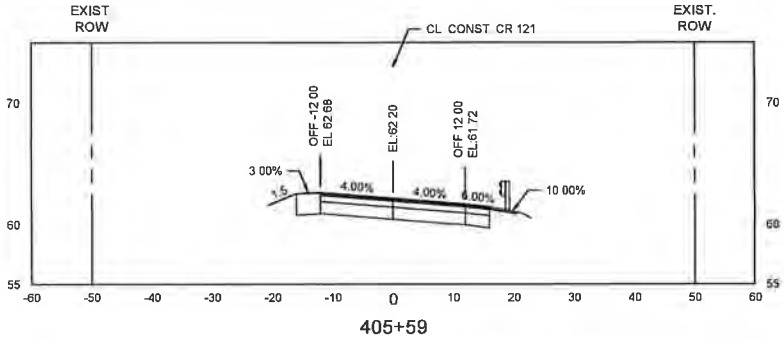
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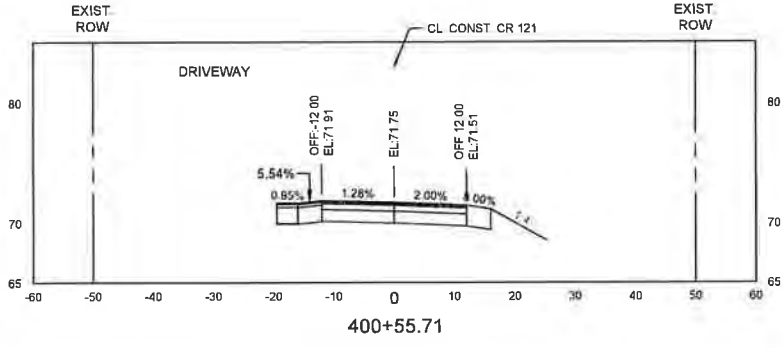
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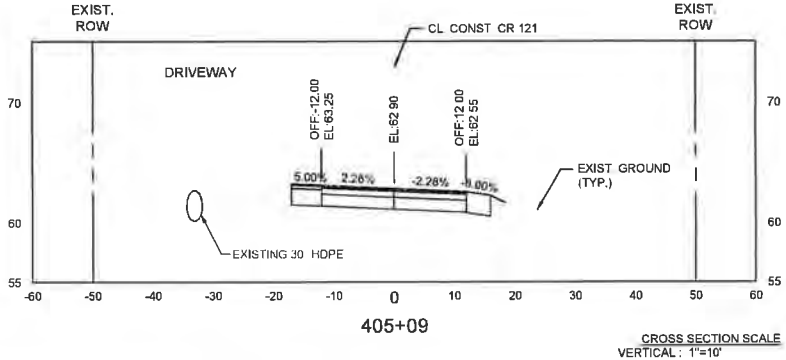
404+09



405+59



400+55.71



405+09

CROSS SECTION SCALE
VERTICAL : 1"=10'
HORIZONTAL: 1"=20'

CROSS SECTION

CR 121 PHASE 1
NASSAU COUNTY

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90648
DATE

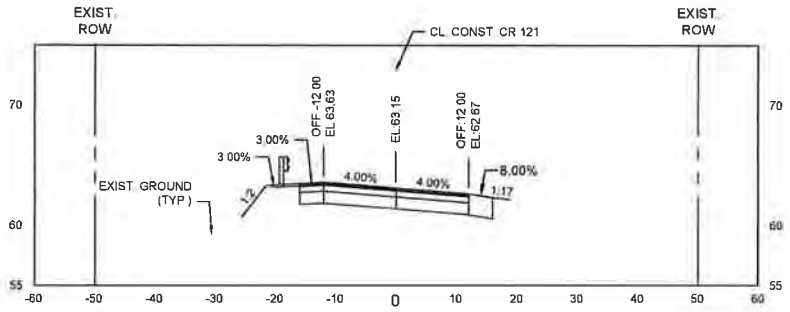
Kimley»Horn
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12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: (904) 828-3900
www.kimley-horn.com CA# 000806

No.	REVISIONS	DATE	BY

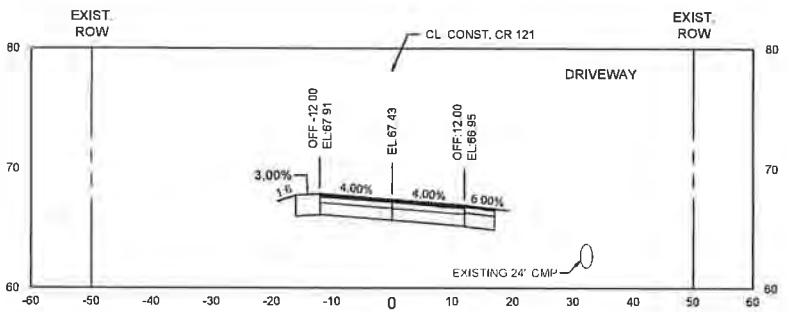
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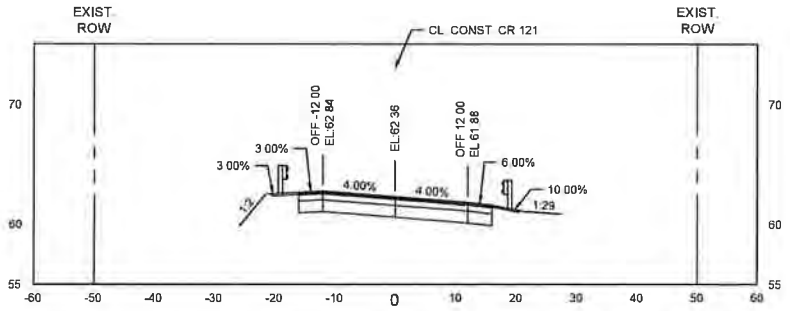
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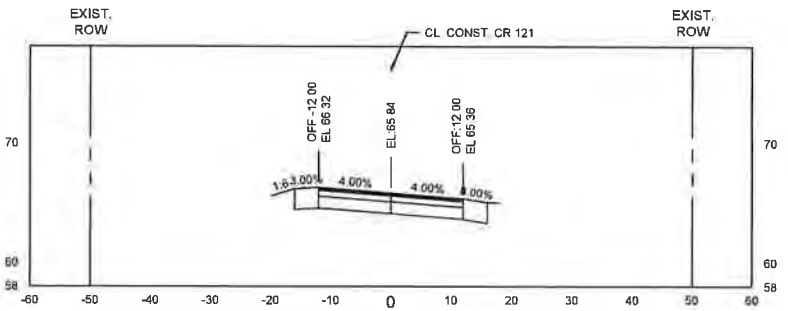
407+59



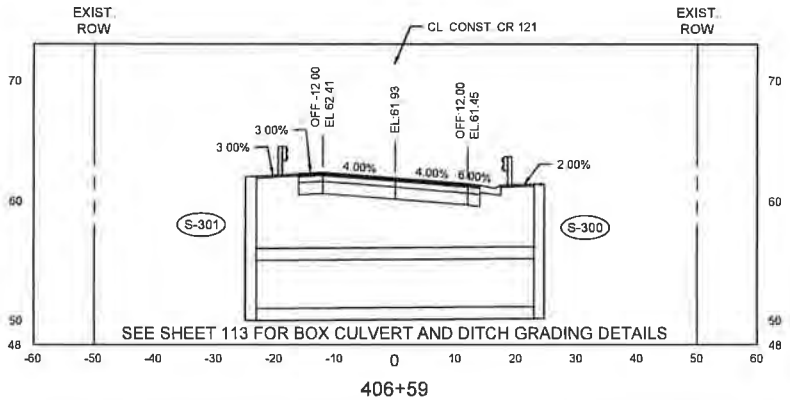
409+09



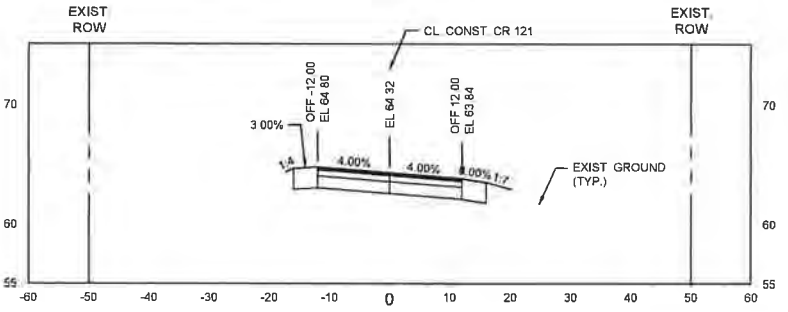
407+09



408+59



406+59



408+09

CROSS SECTION SCALE
VERTICAL : 1"=10'
HORIZONTAL 1"=20'

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JACKSONVILLE, FLORIDA 32256
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM FL#28311 No. 30-06

NO.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848
DATE

KHA PROJECT 045048005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

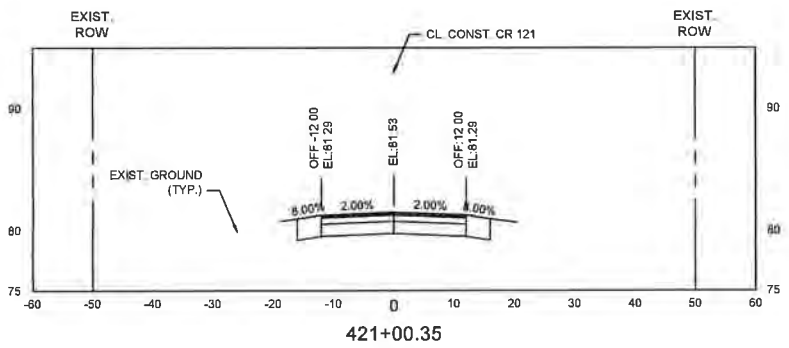
CROSS SECTION

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

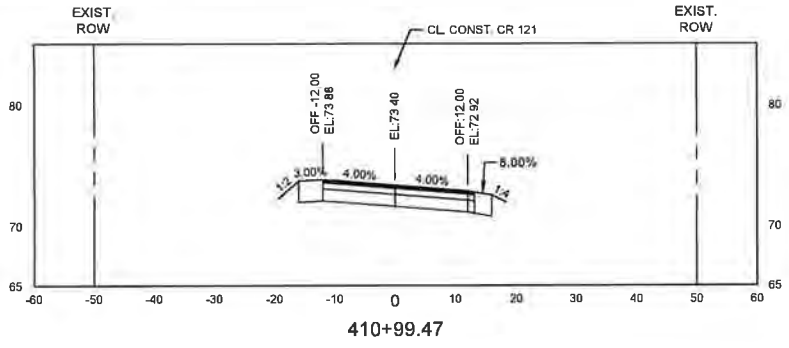
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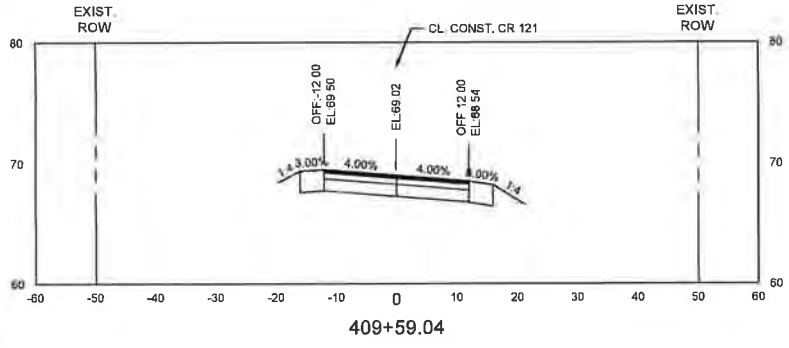
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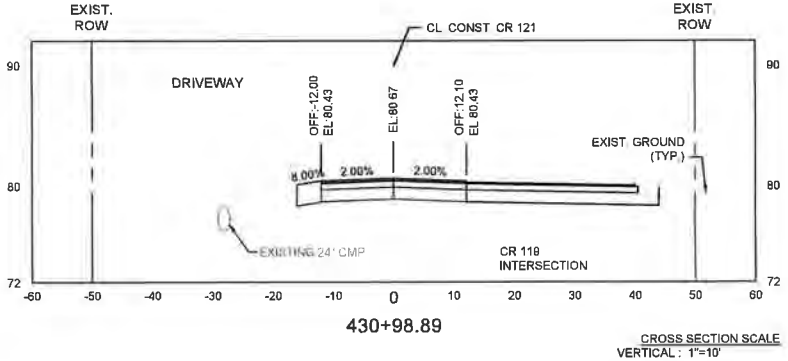
421+00.35



410+99.47



409+59.04



430+98.89

CROSS SECTION SCALE
VERTICAL : 1"=10'
HORIZONTAL: 1"=20'

CROSS SECTION

CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER
110

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PHONE: 904-828-3900
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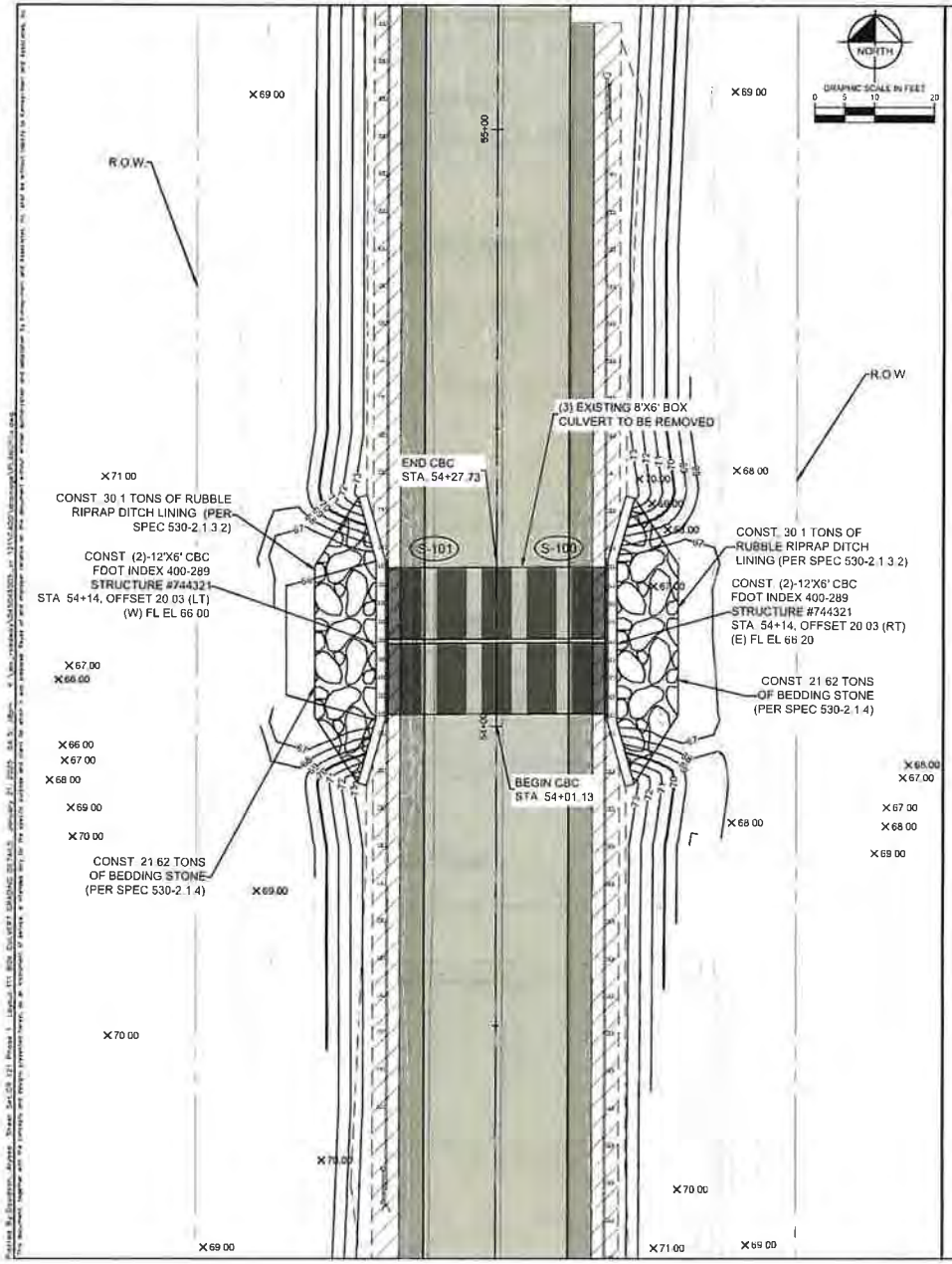
LICENSED PROFESSIONAL
JESSICA NOVAK, P.E
FLORIDA LICENSE NUMBER
90848

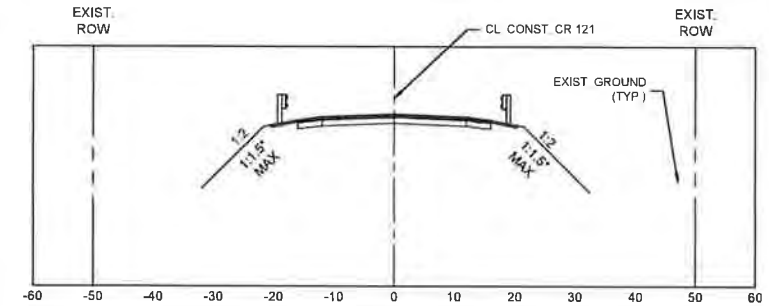
KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

FLORIDA

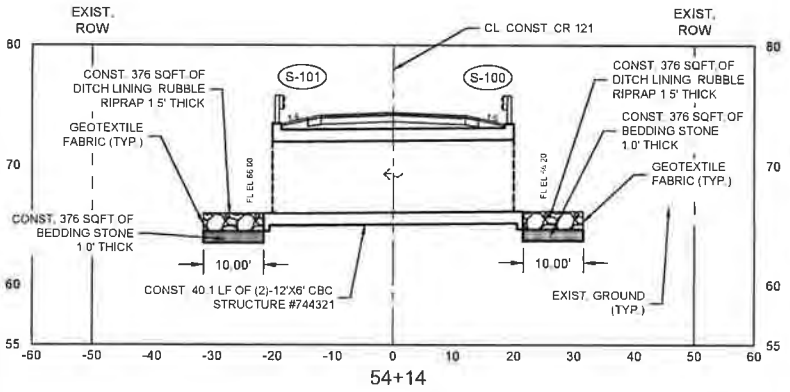
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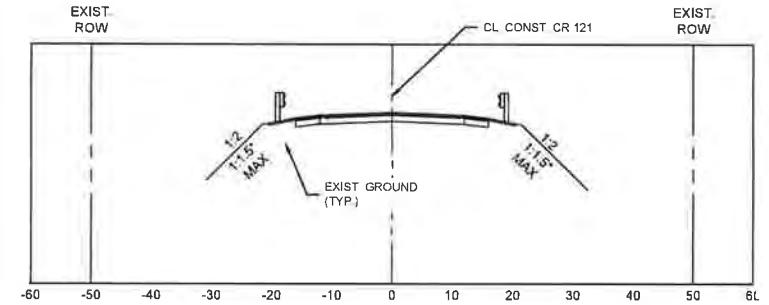




TYPICAL GRADING
STA 54+27.87 TO STA 55+64.50 (LT)
STA 54+27.73 TO STA 55+15.10 (RT)



54+14



TYPICAL GRADING
STA 53+13.30 TO STA 54+01.20 (LT)
STA 52+63.82 TO STA 54+01.06 (RT)

*WITHIN LIMITS OF WINGWALLS ONLY

CROSS SECTION SCALE
VERTICAL: 1"=10'
HORIZONTAL: 1"=20'

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JACKSONVILLE, FLORIDA 32256
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WWW.KIMLEY-HORN.COM CERTIFICATE NO. 35126

REVISIONS | NO. | DATE | BY

LICENSED PROFESSIONAL
JEREMIAH LYNN KNIGHTON, P.E.
FLORIDA LICENSE NUMBER 43920

FDOT PROJECT 0450461005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY ----
DRAWN BY ----
CHECKED BY ---- DATE

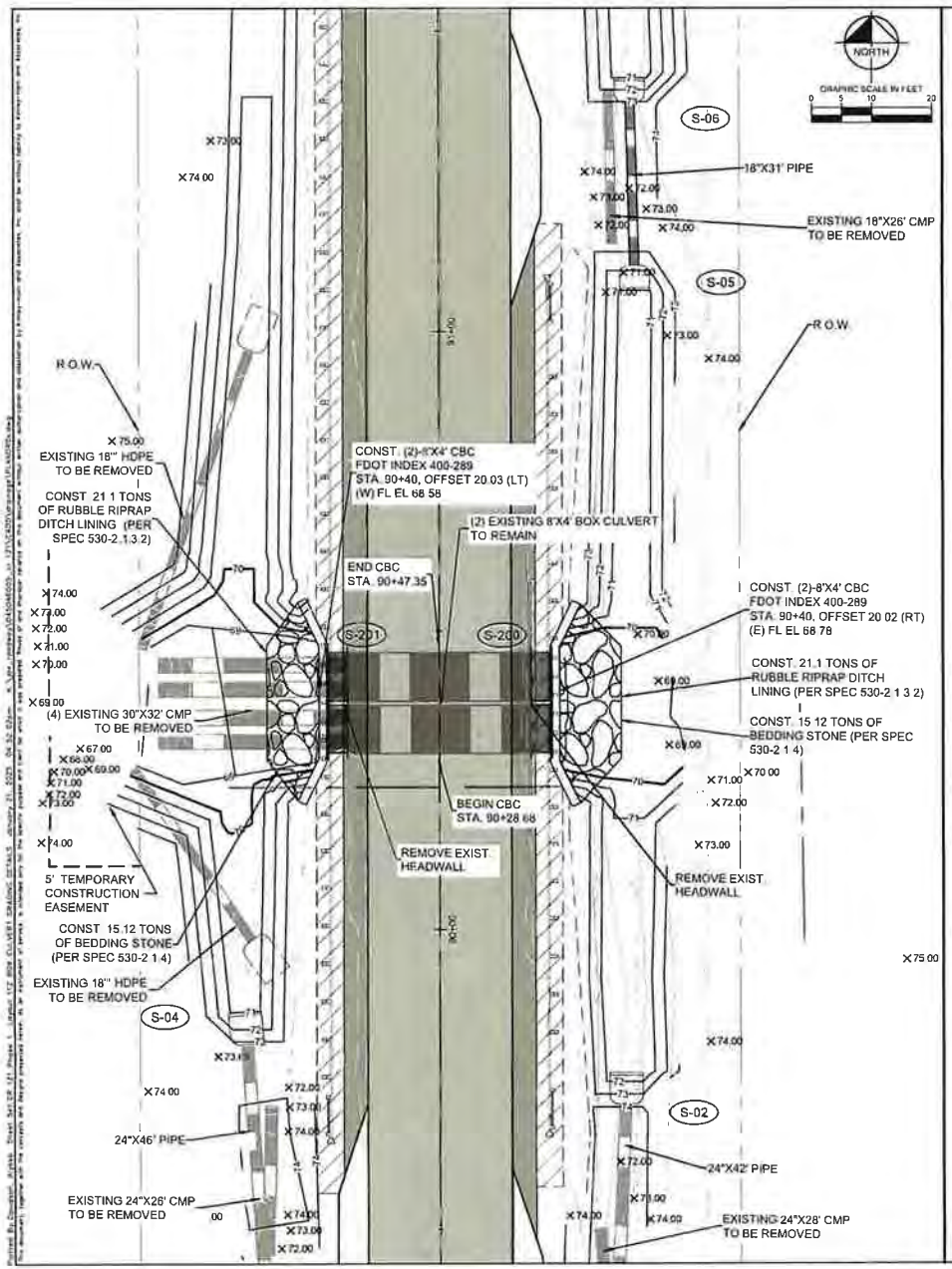
BOX CULVERT GRADING DETAILS

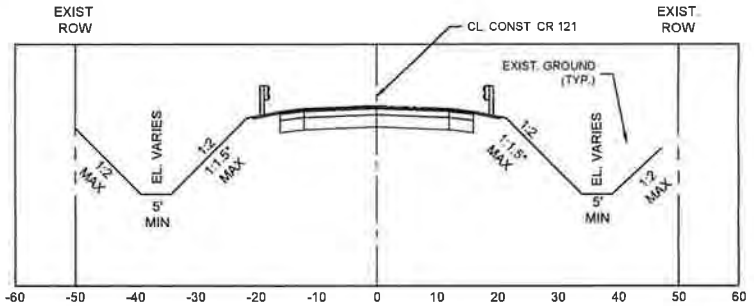
CR 121 PHASE I
NASSAU COUNTY
FLORIDA

SHEET NUMBER 111

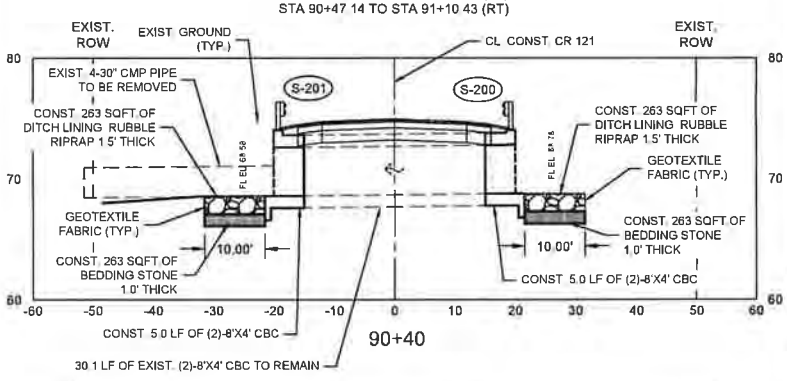
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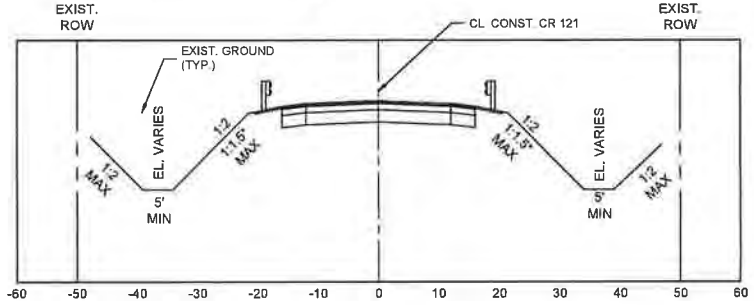


TYPICAL GRADING
STA 90+47.55 TO STA 91+85.47 (LT)
STA 90+47.14 TO STA 91+10.43 (RT)



90+40

30.1 LF OF EXIST. (2)-8'X4' CBC TO REMAIN



TYPICAL GRADING
STA 89+76.30 TO STA 90+28.68 (LT)
STA 89+66.00 TO STA 90+28.47 (RT)

*WITHIN LIMITS OF WINGWALLS ONLY

CROSS SECTION SCALE
VERTICAL: 1"=10'
HORIZONTAL: 1"=20'

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www.kimley-horn.com REGISTRY NO. 35106

LICENSED PROFESSIONAL
DEBORAH LYNN KNIGHTON, P.E.
FLORIDA LICENSE NUMBER 43920
DATE:

KHA PROJECT 045046005
DATE NOVEMBER, 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

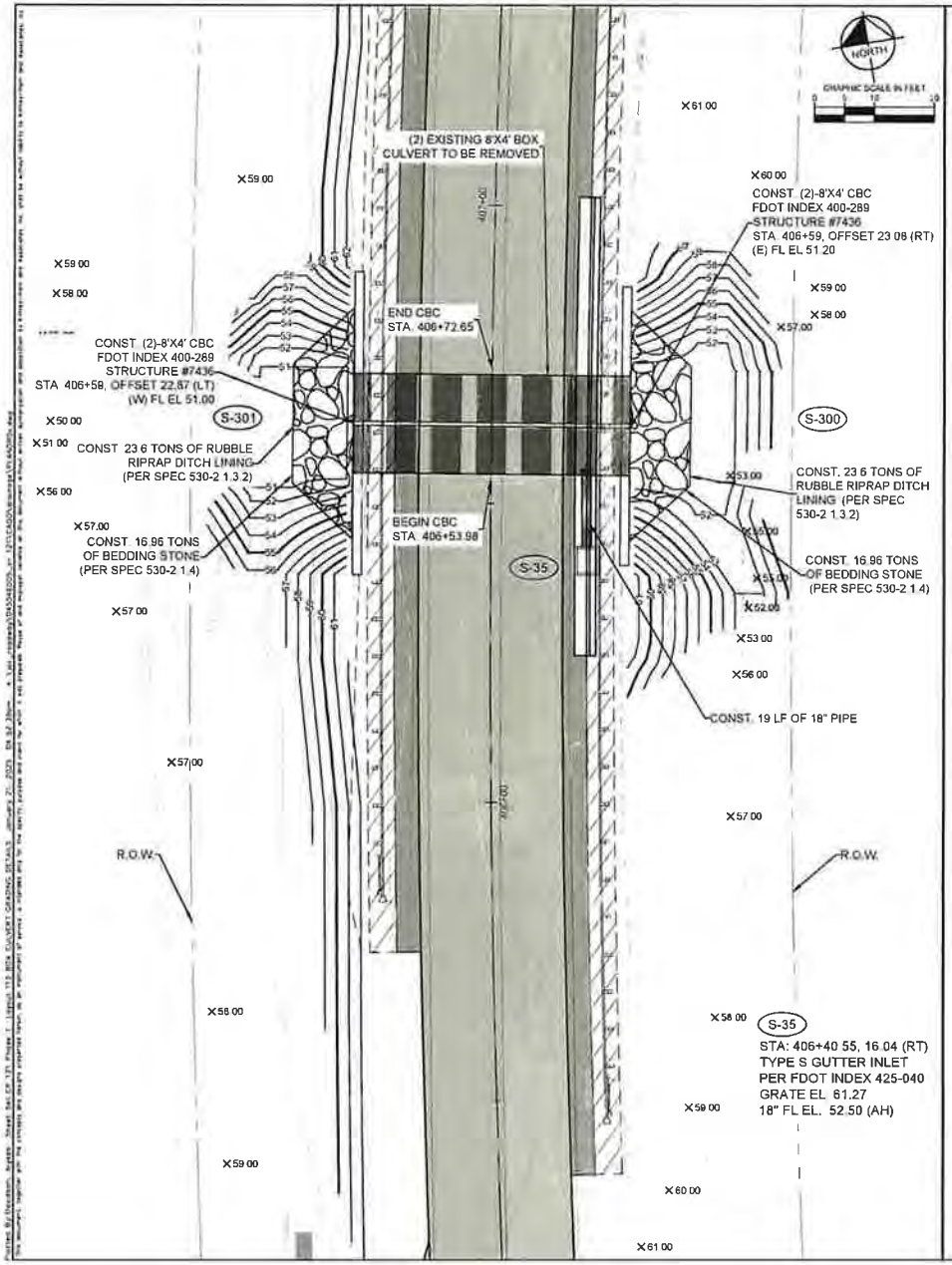
BOX CULVERT GRADING DETAILS

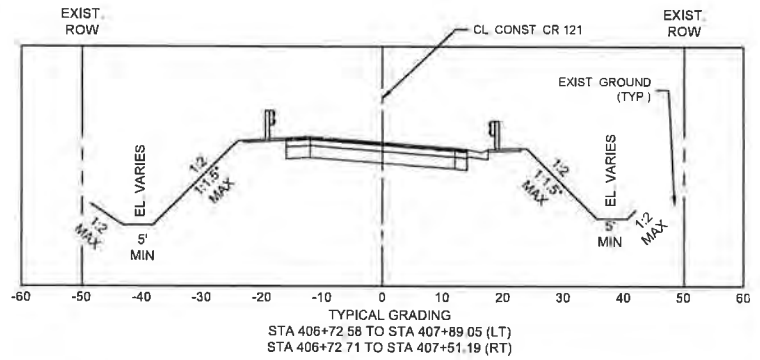
CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

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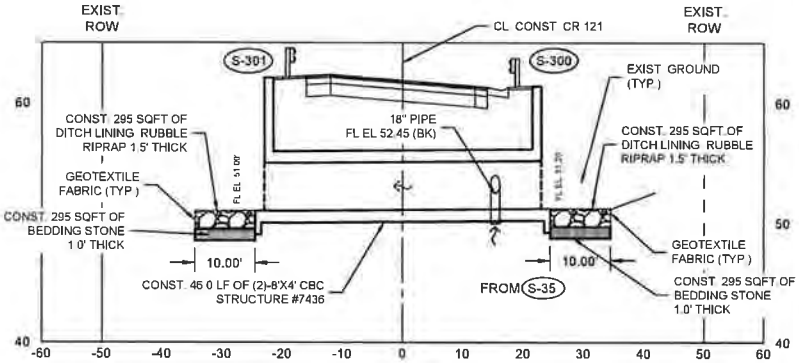
SHEET NUMBER
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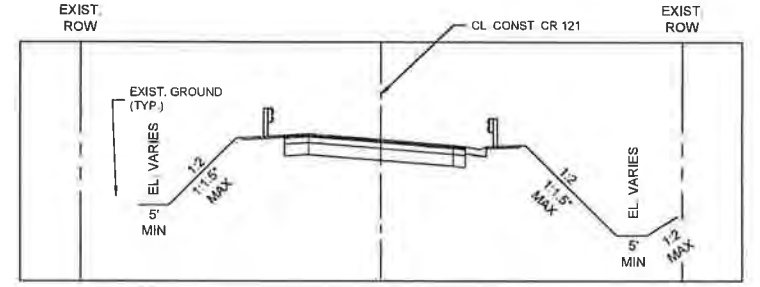




TYPICAL GRADING
STA 406+72.58 TO STA 407+89.05 (LT)
STA 406+72.71 TO STA 407+51.19 (RT)



406+59



TYPICAL GRADING
STA 405+75.44 TO STA 406+54.07 (LT)
STA 405+37.35 TO STA 406+53.89 (RT)

*WITHIN LIMITS OF WINGWALLS ONLY

CROSS SECTION SCALE
VERTICAL: 1"=10'
HORIZONTAL: 1"=20'

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PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM CA 00000696

REVISIONS
NO. DATE BY

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

LICENSED PROFESSIONAL ENGINEER
DEBORAH LYNN KNIGHTON, P.E.
LICENSE NUMBER 43920
STATE FLORIDA

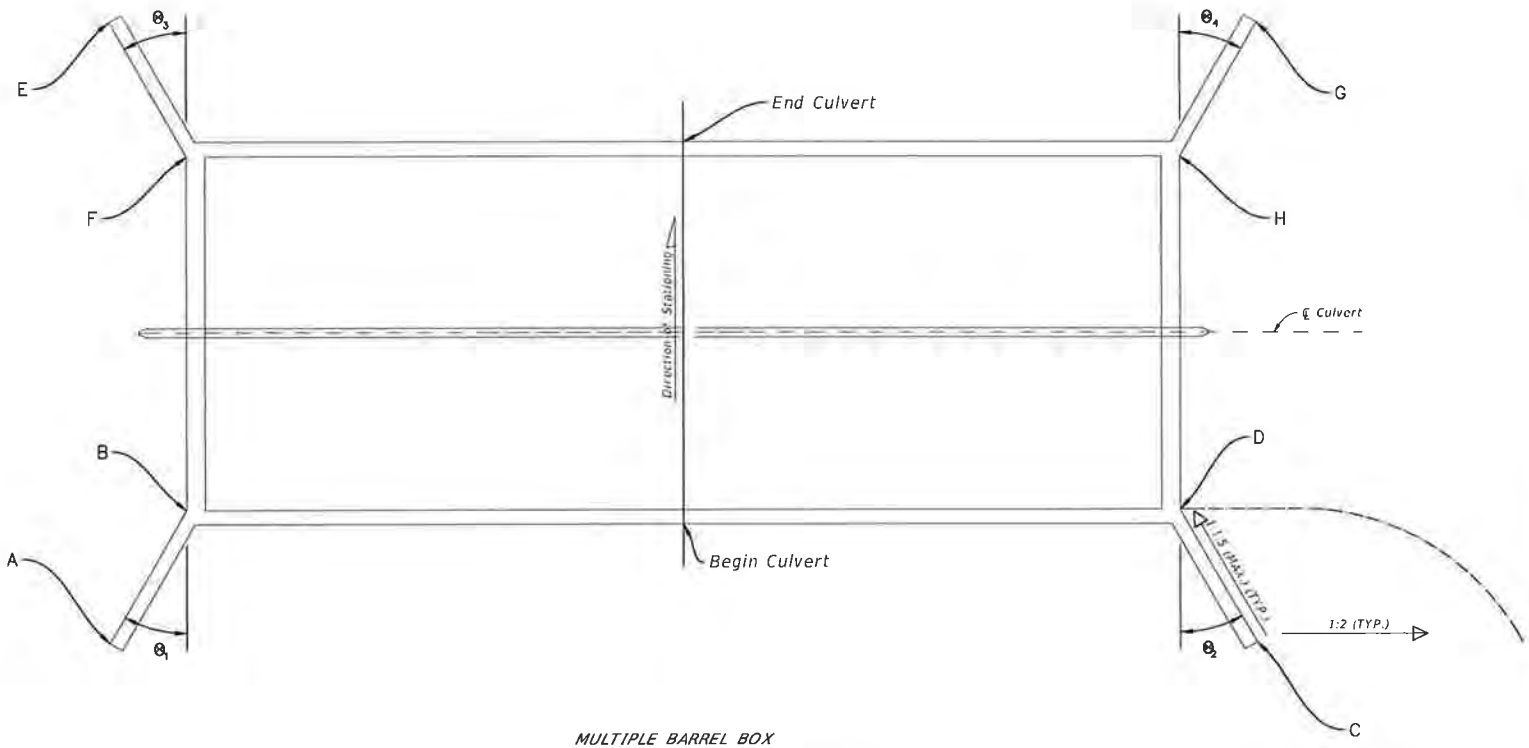
BOX CULVERT GRADING DETAILS

CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER
113

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MULTIPLE BARREL BOX CULVERT DETAIL

TOP OF WALL ELEVATIONS

STRUCTURE	STA	A			B			C			D			E			F			G			H		
		STA.	OFF.	EL.	STA.	OFF.	EL.	STA.	OFF.	EL.	STA.	OFF.	EL.	STA.	OFF.	EL.	STA.	OFF.	EL.	STA.	OFF.	EL.	STA.	OFF.	EL.
CD-1	54+14	53+90.61	23.00	73.00	54+01.20	20.03	73.50	53+90.47	23.01	73.00	54+01.06	20.03	73.50	54+38.47	23.00	73.00	54+27.87	20.03	73.50	54+38.32	23.01	73.00	54+27.73	20.03	73.50
CD-2	90+40	90+21.68	23.50	73.50	90+28.88	20.03	74.00	90+21.26	23.50	73.50	90+28.47	20.02	74.00	90+54.76	23.50	73.50	90+47.55	20.03	74.00	90+54.32	23.49	73.50	90+47.14	20.02	74.00
CD-3	406+59	406+38.19	22.96	62.10	406+54.07	22.87	62.10	406+39.79	23.00	61.30	406+53.89	23.08	61.40	406+88.45	23.00	62.30	406+72.58	22.89	62.20	406+86.83	23.00	61.60	406+72.71	23.08	61.50

WINGWALL ANGLES

STRUCTURE	STA	Θ_1	Θ_2	Θ_3	Θ_4
CD-1	54+14	15.7	15.7	15.7	15.7
CD-2	90+40	25.7	25.8	25.7	25.8
CD-3	406+59	0.0	0.0	0.0	0.0

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1 STEIN KINLEY-HORN AND ASSOCIATES, INC.
1740 CESAR CHAVEZ PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32256
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

REVISIONS | NO. | DATE | BY

LICENSED PROFESSIONAL
DEBORAH KNIGHTON, P.E.
FLORIDA LICENSE NUMBER
43920
DATE: ——

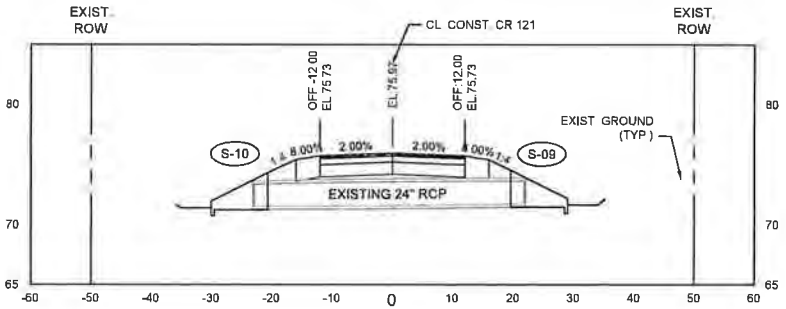
KHA PROJECT
045044005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY ——
DRAWN BY ——
CHECKED BY ——

WINGWALL ELEVATION DETAILS

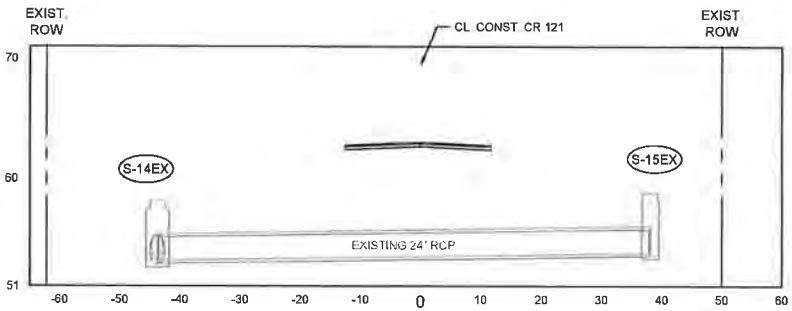
CR 121 PHASE I
NASSAU COUNTY
FLORIDA

SHEET NUMBER
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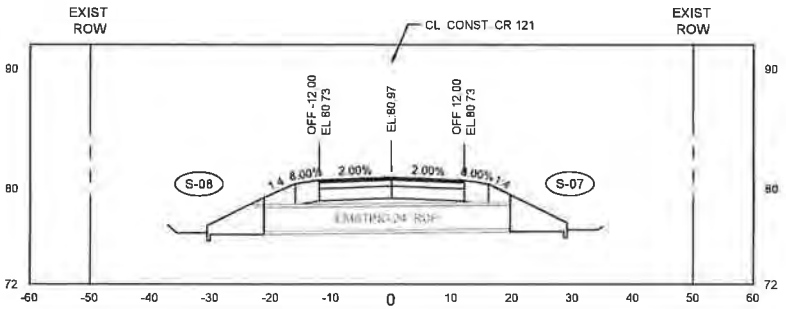
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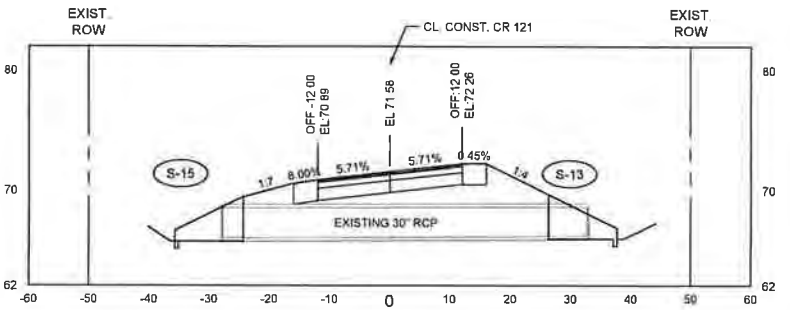
170+11.50



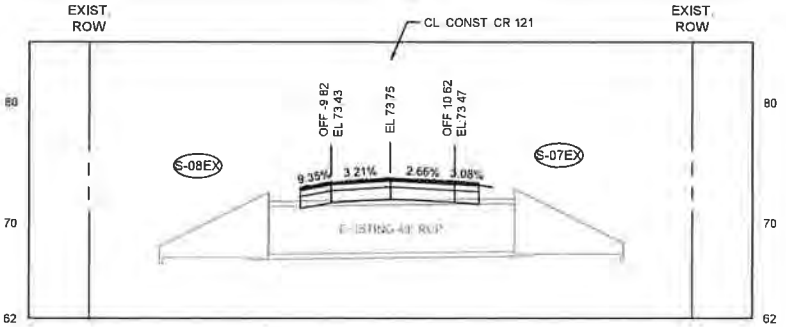
246+05



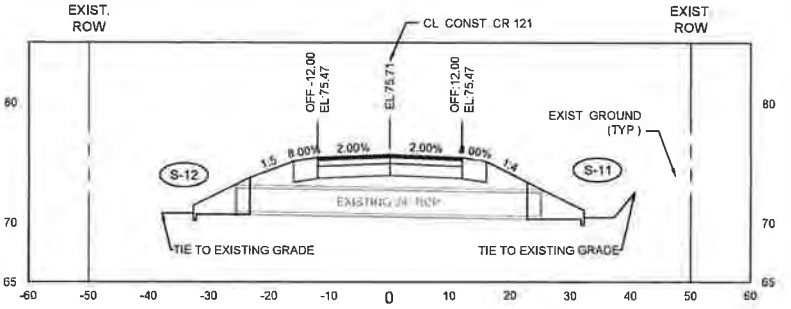
142+69



218+10.33



36+84



186+72

NOTE: REMOVE EXISTING PIPE AS REQUIRED TO INSTALL END TREATMENTS PER PLAN

CROSS SECTION SCALE
VERTICAL : 1"=10'
HORIZONTAL: 1"=20'

Kimley»Horn

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848
DATE

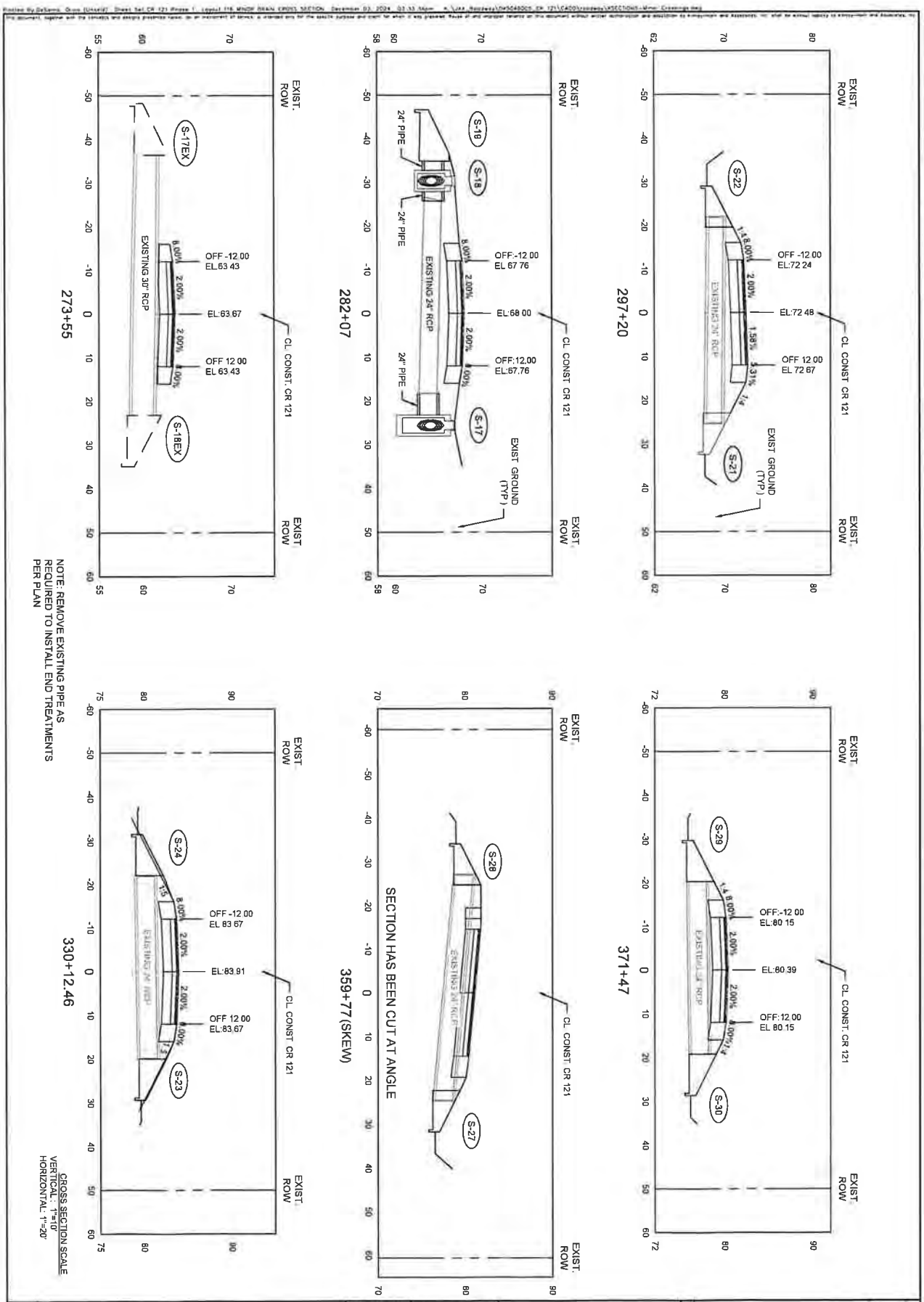
REVISIONS
NO. DATE BY

MINOR DRAIN CROSS SECTION
CR 121 PHASE 1
NASSAU COUNTY, FLORIDA

SHEET NUMBER
115

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MINOR DRAIN CROSS SECTION

CR 121 PHASE 1
NASSAU COUNTY FLORIDA

SHEET NUMBER 116

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
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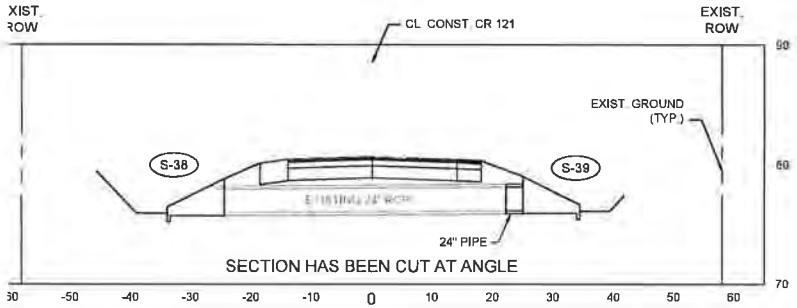
LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848

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JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

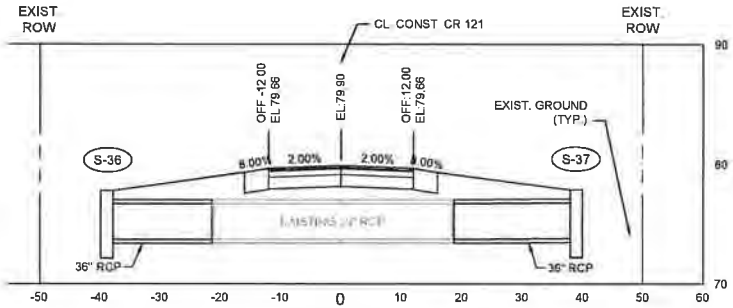
NO.	REVISIONS	DATE	BY

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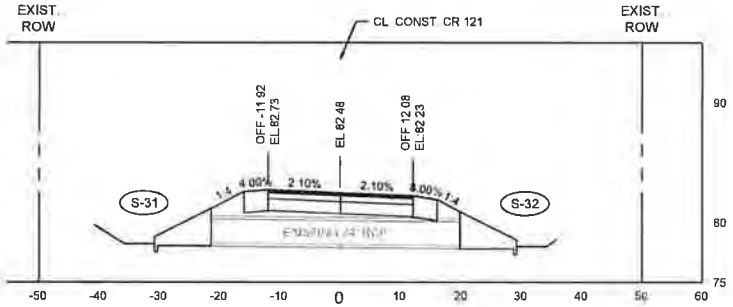
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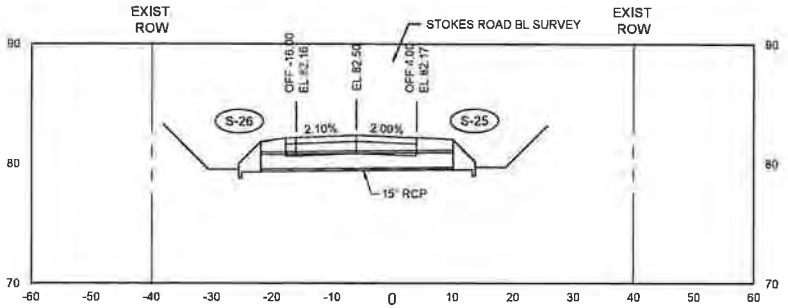
431+52 (SKEW)



426+47



391+62



504+05

NOTE: REMOVE EXISTING PIPE AS REQUIRED TO INSTALL END TREATMENTS PER PLAN

MINOR DRAIN CROSS SECTION

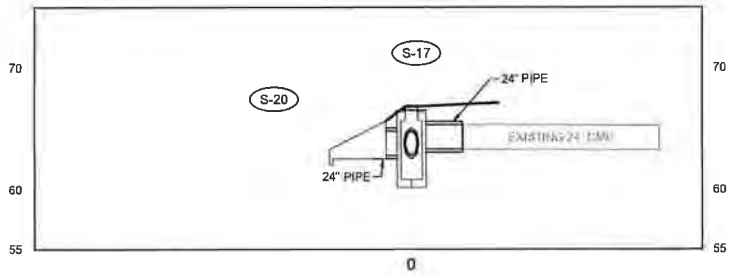
CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

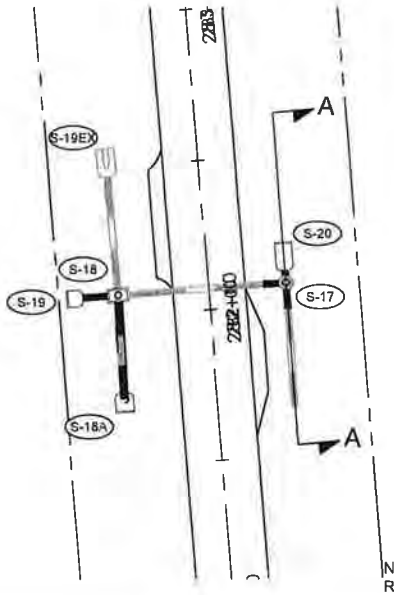
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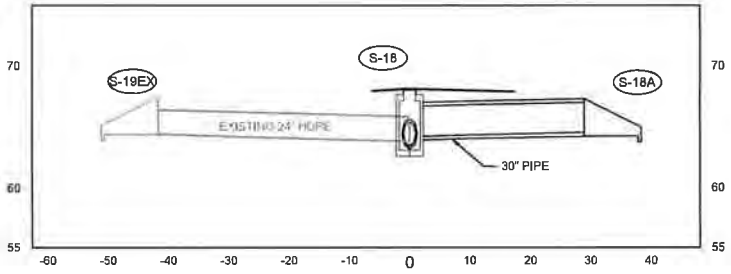
SECTION A-A

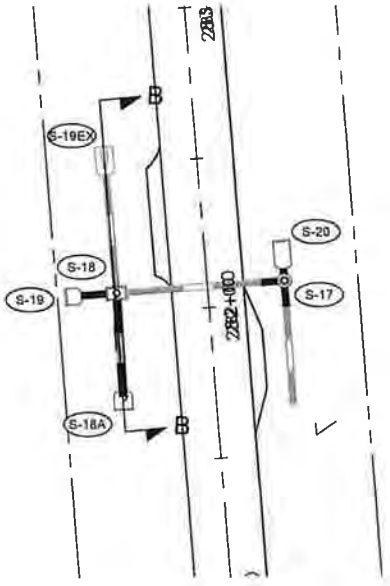




NOTE: REMOVE EXISTING PIPE AS REQUIRED TO INSTALL END TREATMENTS PER PLAN

SECTION B-B





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1 FCH BOULEVARD AND ASSOCIATES, INC.
11742 DEAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32256
PHONE: 904-646-4551
WWW.KIMLEY-HORN.COM · REGISTRY No. 35106

NO.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848
DATE: ____

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY ____
DRAWN BY ____
CHECKED BY ____

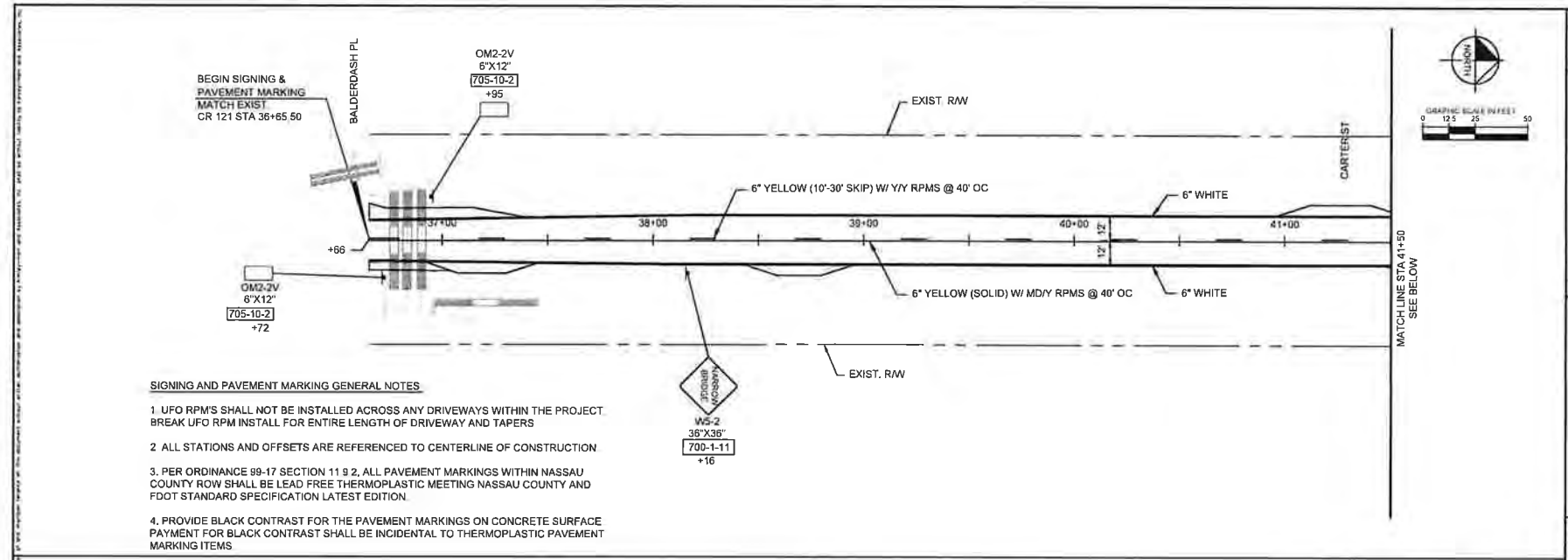
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CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
118

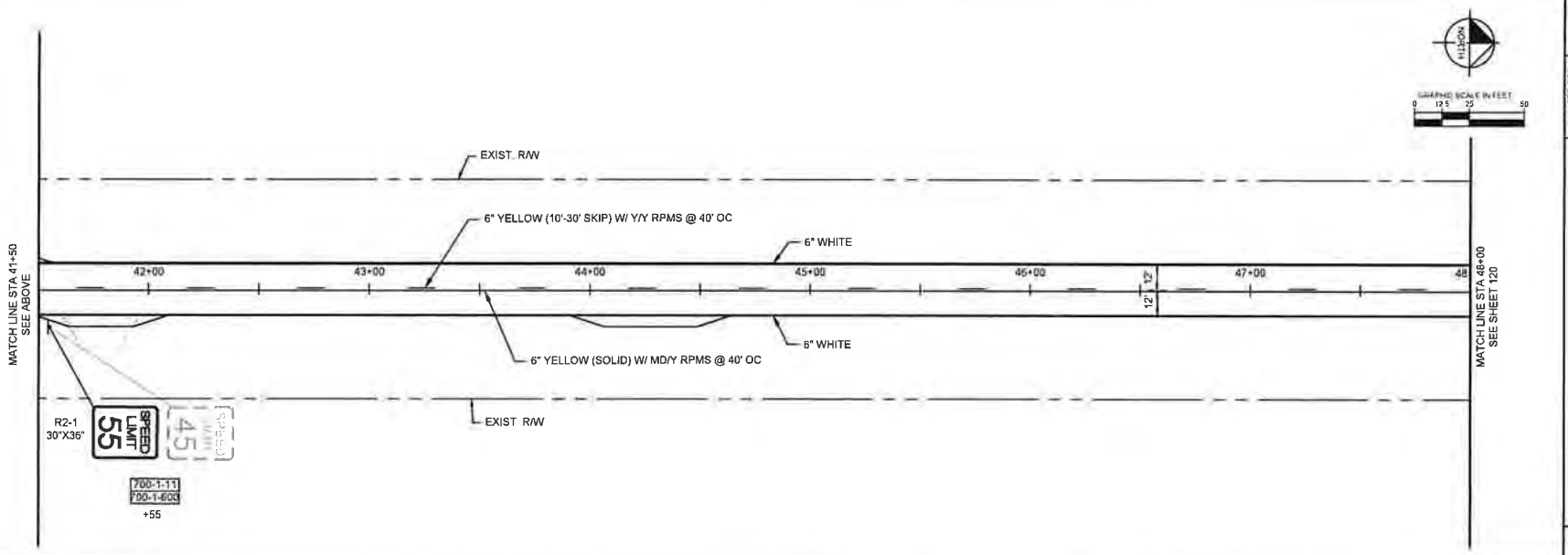
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SIGNING AND PAVEMENT MARKING GENERAL NOTES

1. UFO RPM'S SHALL NOT BE INSTALLED ACROSS ANY DRIVEWAYS WITHIN THE PROJECT. BREAK UFO RPM INSTALL FOR ENTIRE LENGTH OF DRIVEWAY AND TAPERS
2. ALL STATIONS AND OFFSETS ARE REFERENCED TO CENTERLINE OF CONSTRUCTION
3. PER ORDINANCE 99-17 SECTION 11.9.2, ALL PAVEMENT MARKINGS WITHIN NASSAU COUNTY ROW SHALL BE LEAD FREE THERMOPLASTIC MEETING NASSAU COUNTY AND FDOT STANDARD SPECIFICATION LATEST EDITION.
4. PROVIDE BLACK CONTRAST FOR THE PAVEMENT MARKINGS ON CONCRETE SURFACE. PAYMENT FOR BLACK CONTRAST SHALL BE INCIDENTAL TO THERMOPLASTIC PAVEMENT MARKING ITEMS.



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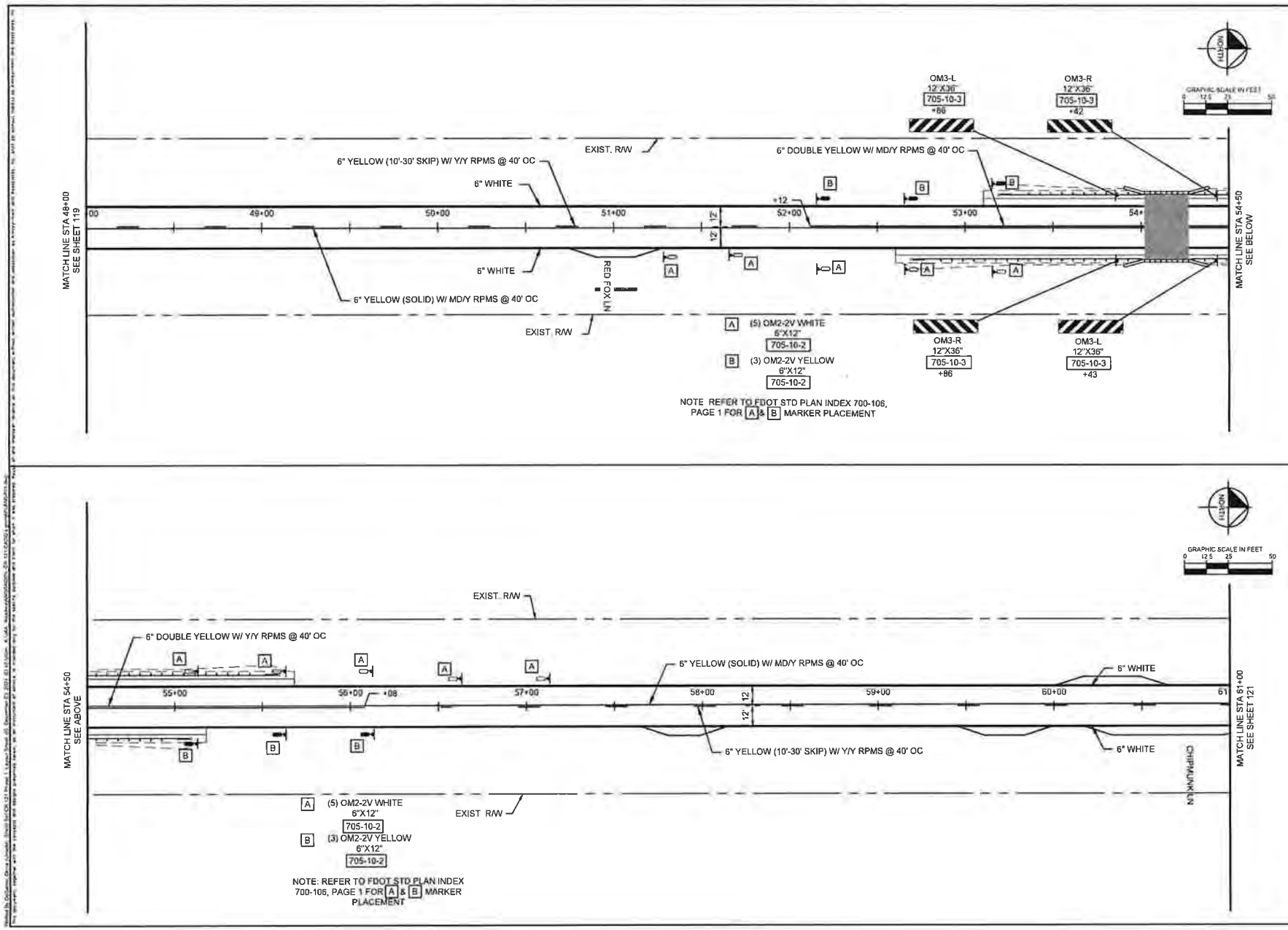
SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
119

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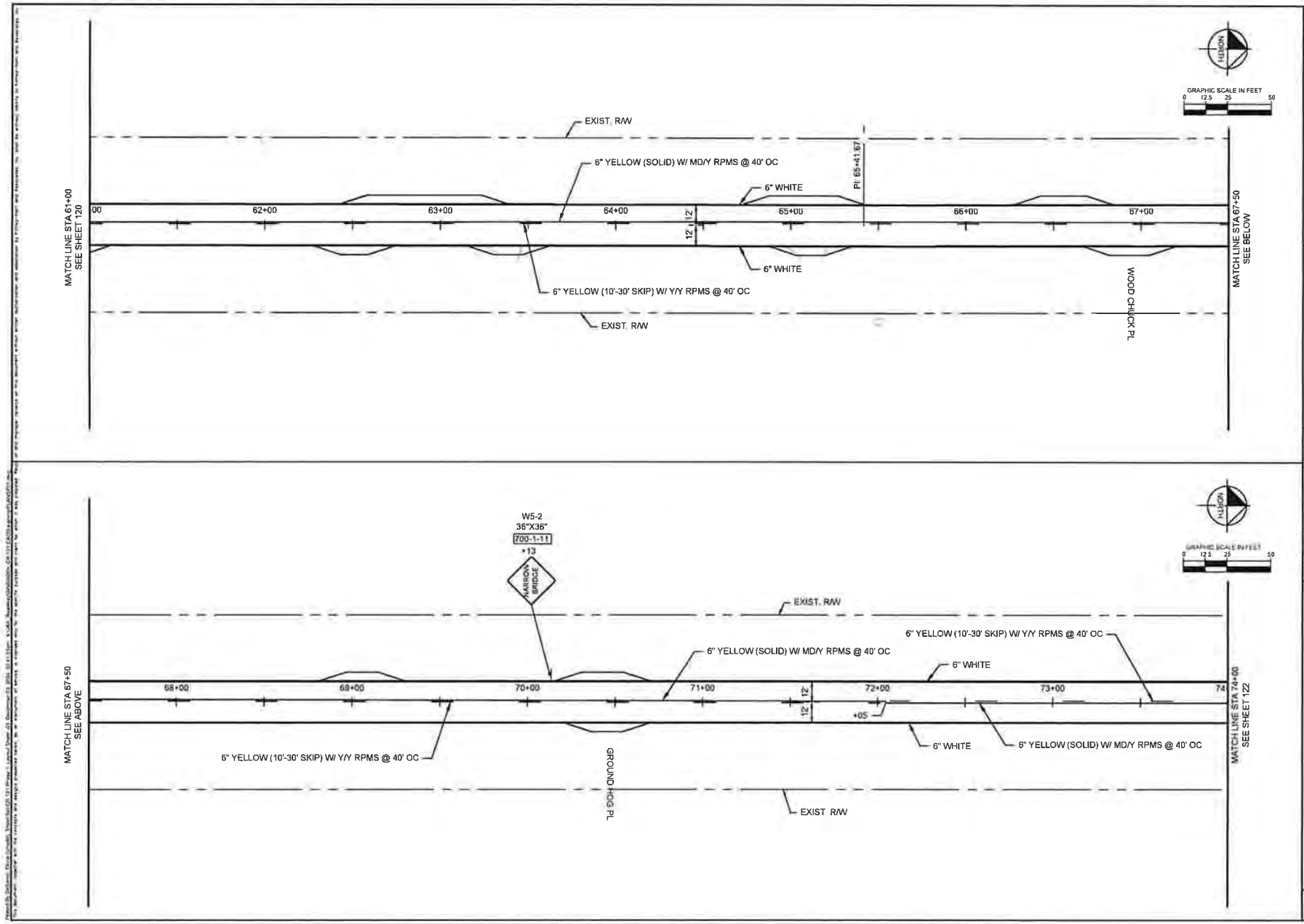
SIGNING AND PAVEMENT MARKING

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NASSAU COUNTY
FLORIDA

SHEET NUMBER
120

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PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 97648
DATE:

KHA PROJECT
045048005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

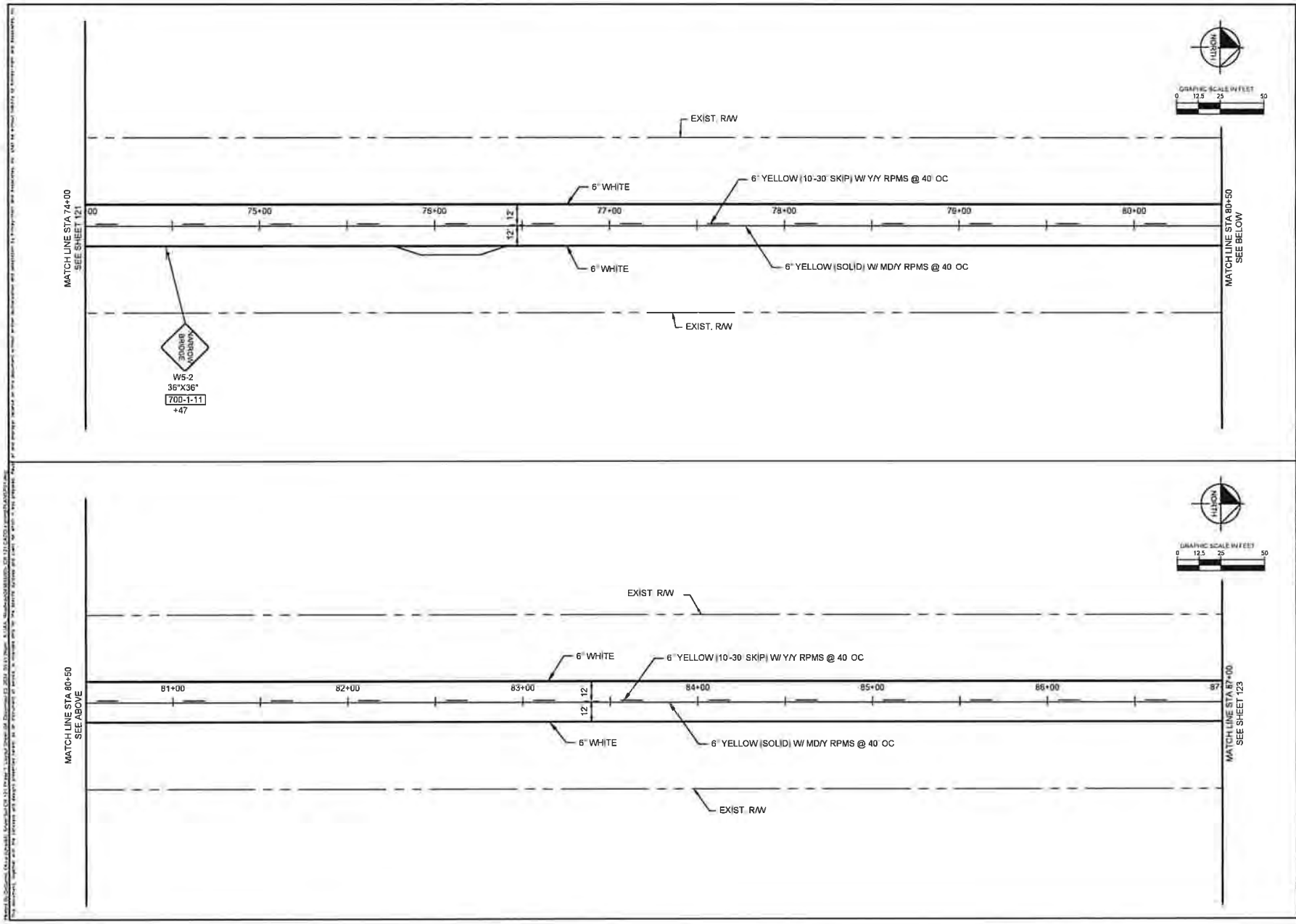
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NASSAU COUNTY
FLORIDA

SHEET NUMBER
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No.	REVISIONS	DATE	BY

JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90648

KHA PROJECT
068660005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

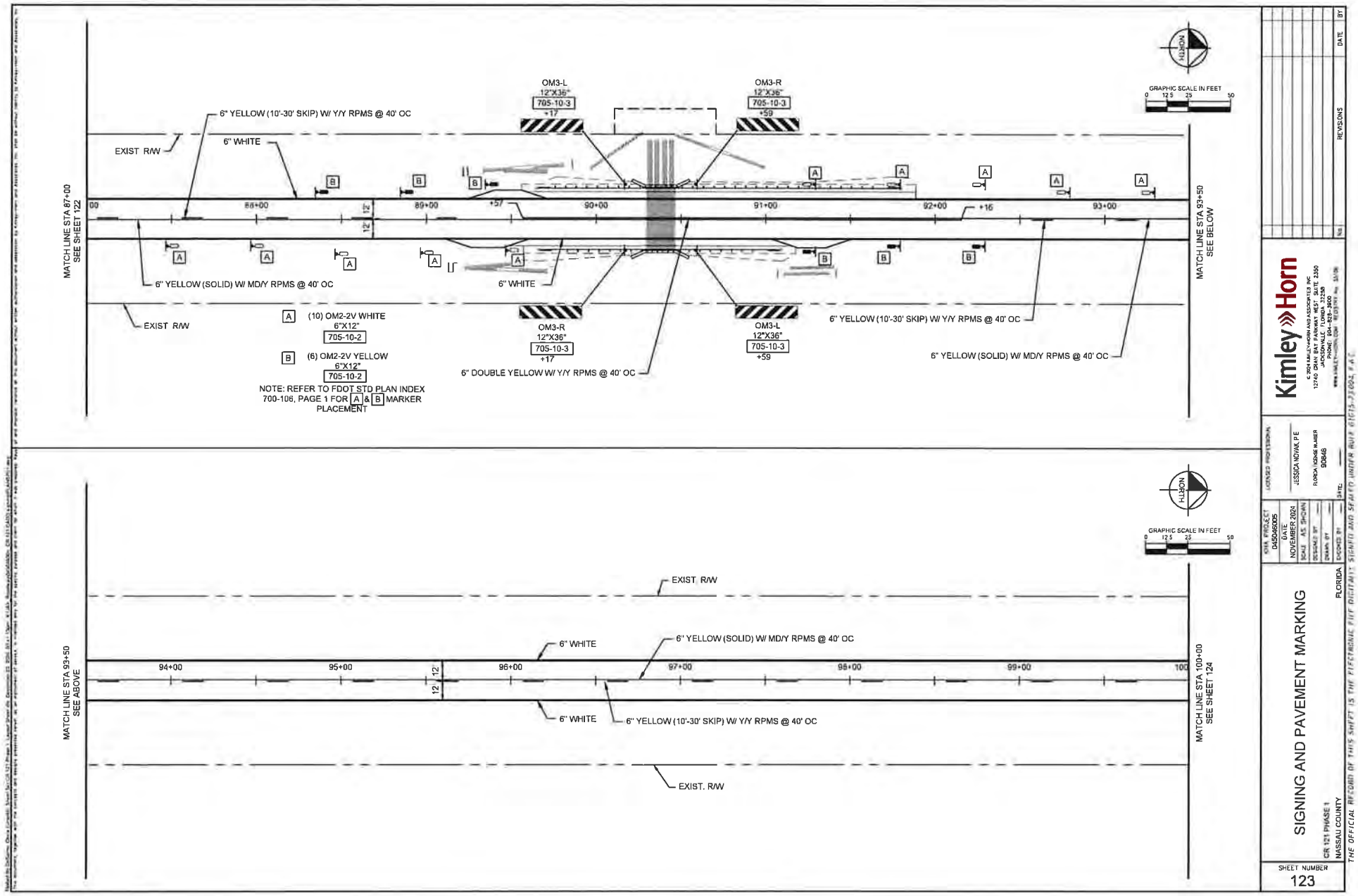
SIGNING AND PAVEMENT MARKING

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NASSAU COUNTY
FLORIDA

SHEET NUMBER
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NO.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848
DATE:

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

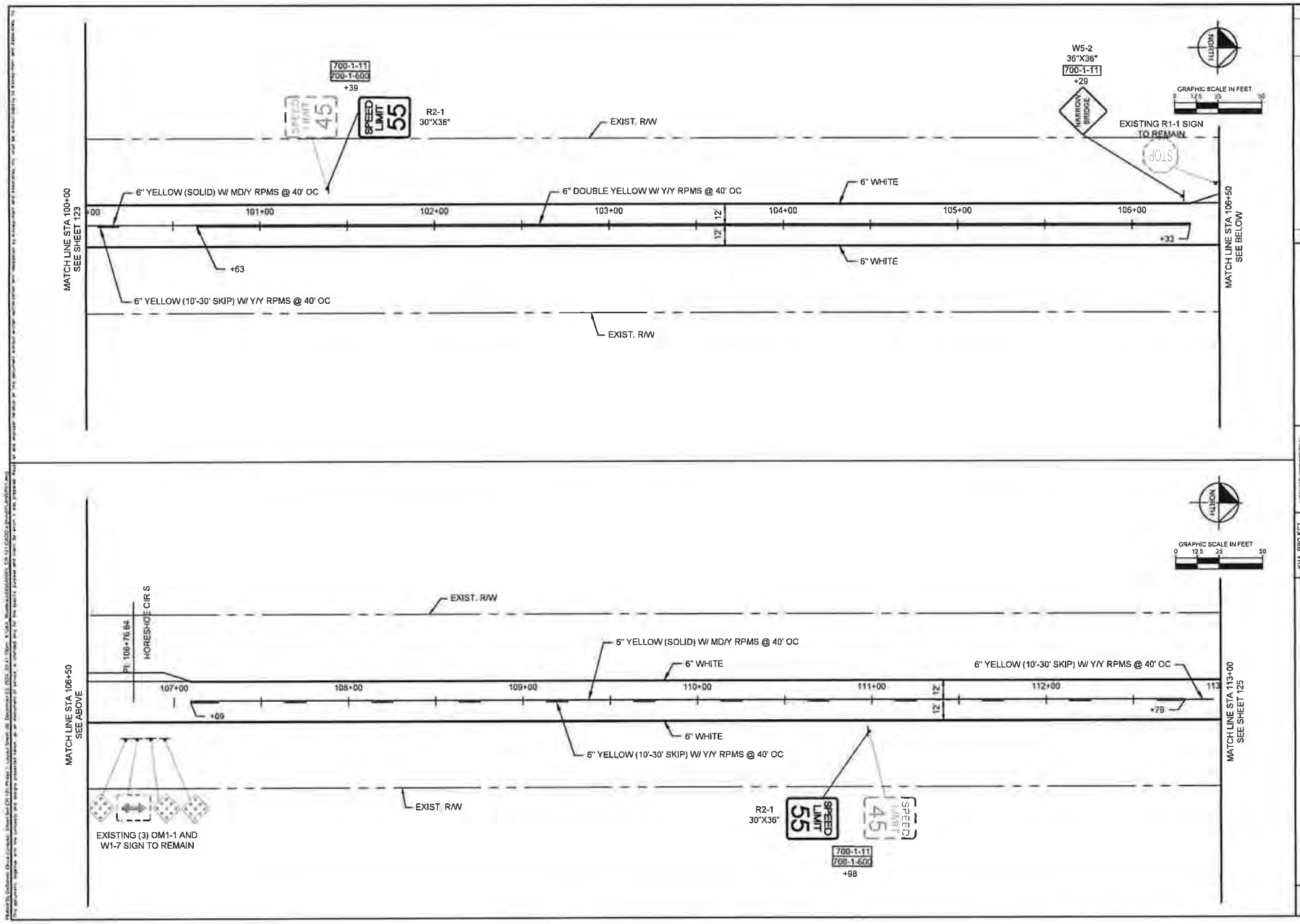
SIGNING AND PAVEMENT MARKING

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NASSAU COUNTY
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NO.	REVISIONS	DATE	BY

JESSICA NOVAK P.E.
FLORIDA LICENSE NUMBER
90848
DATE

KHA PROJECT
045046005
DATE
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DRAWN BY
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FLORIDA

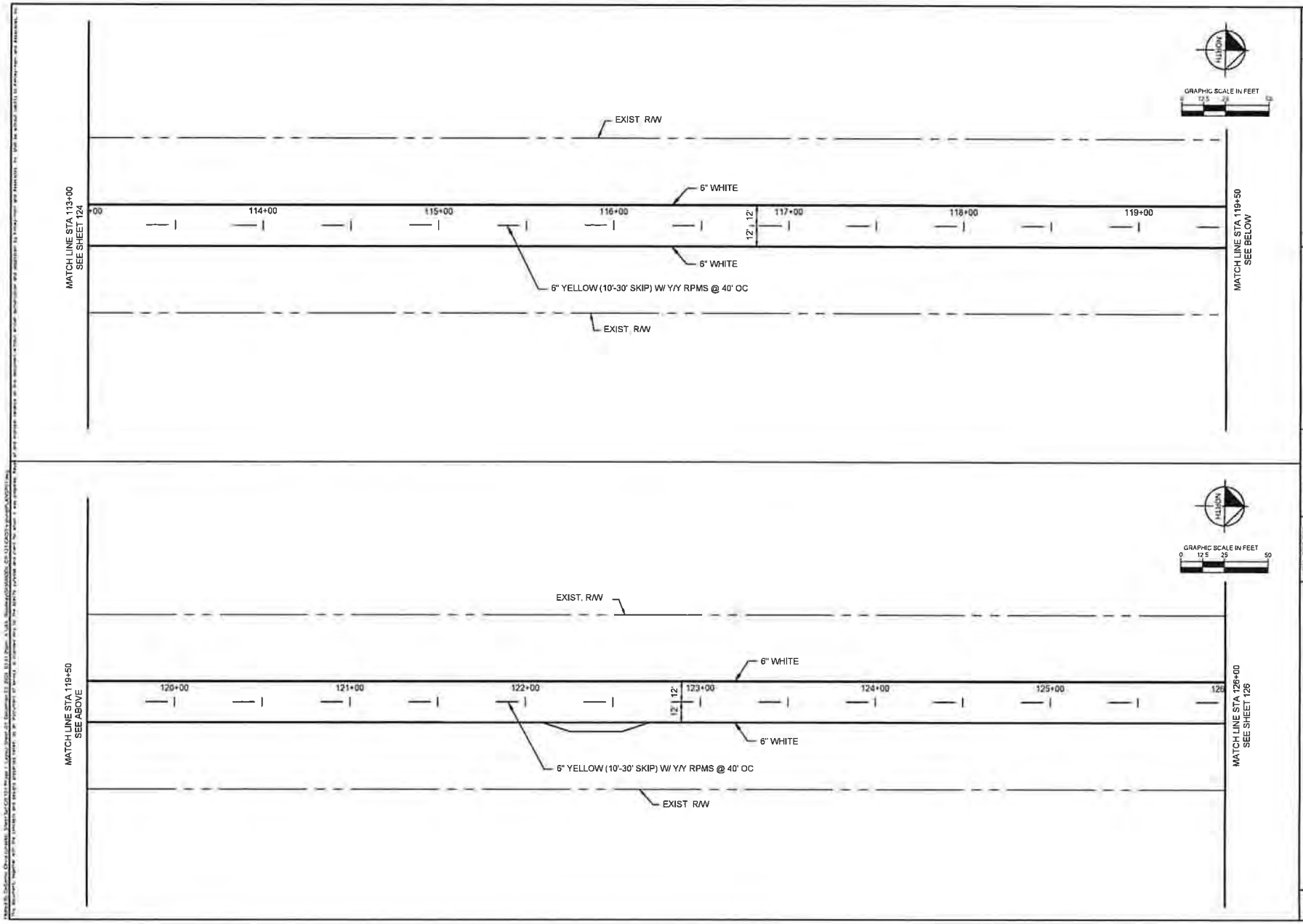
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NASSAU COUNTY

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KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

LICENSED PROFESSIONAL ENGINEER
JESSICA NOVAK P.E.
FLORIDA LICENSE NUMBER 91848

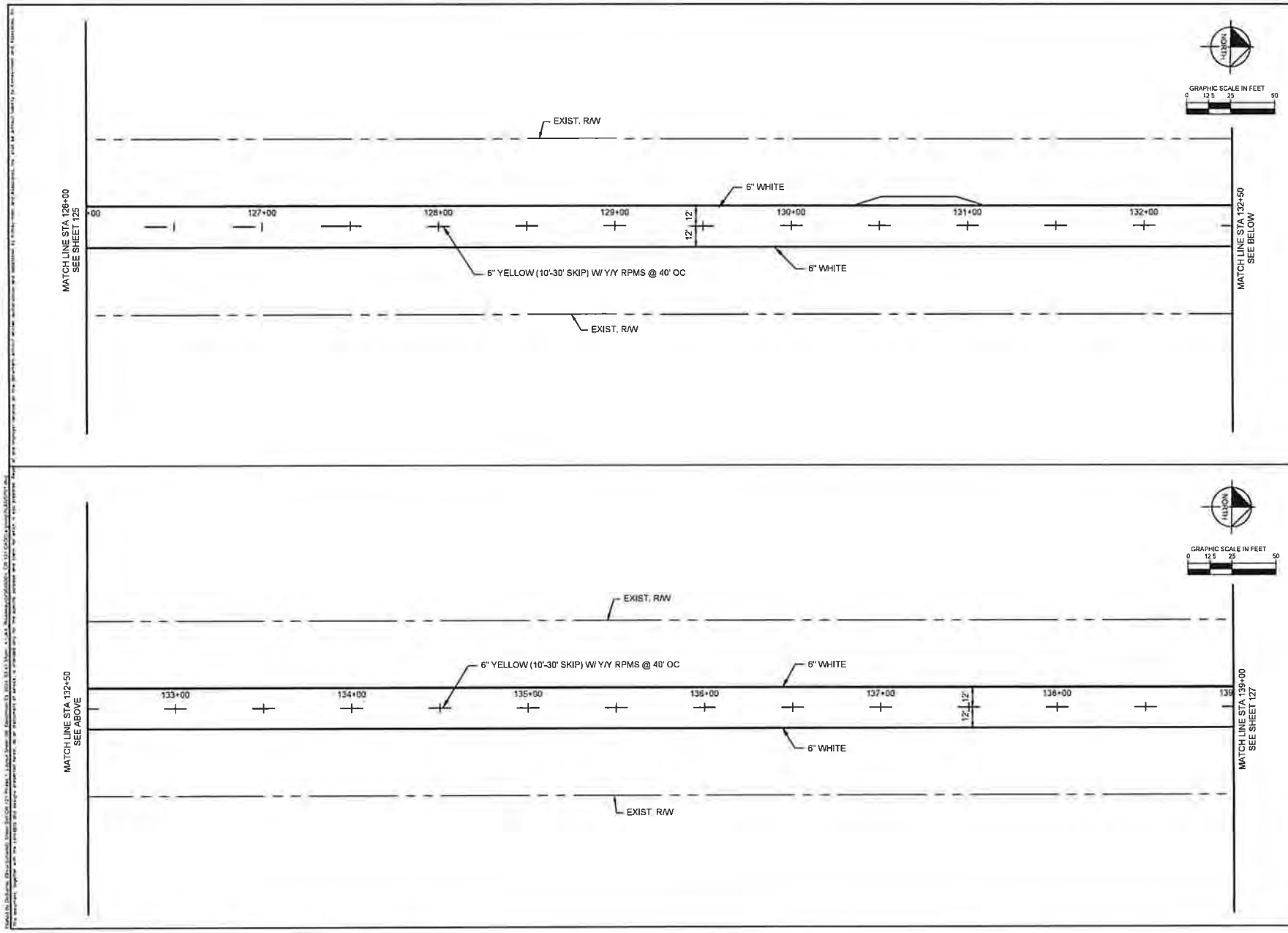
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REVISIONS | NO. | DATE | BY

FDOT PROFESSIONAL ENGINEER
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 82648
DATE —

KHA PROJECT 043046005
DATE NOVEMBER 2024
SCALE AS SHOWN
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DRAWN BY —
CHECKED BY —

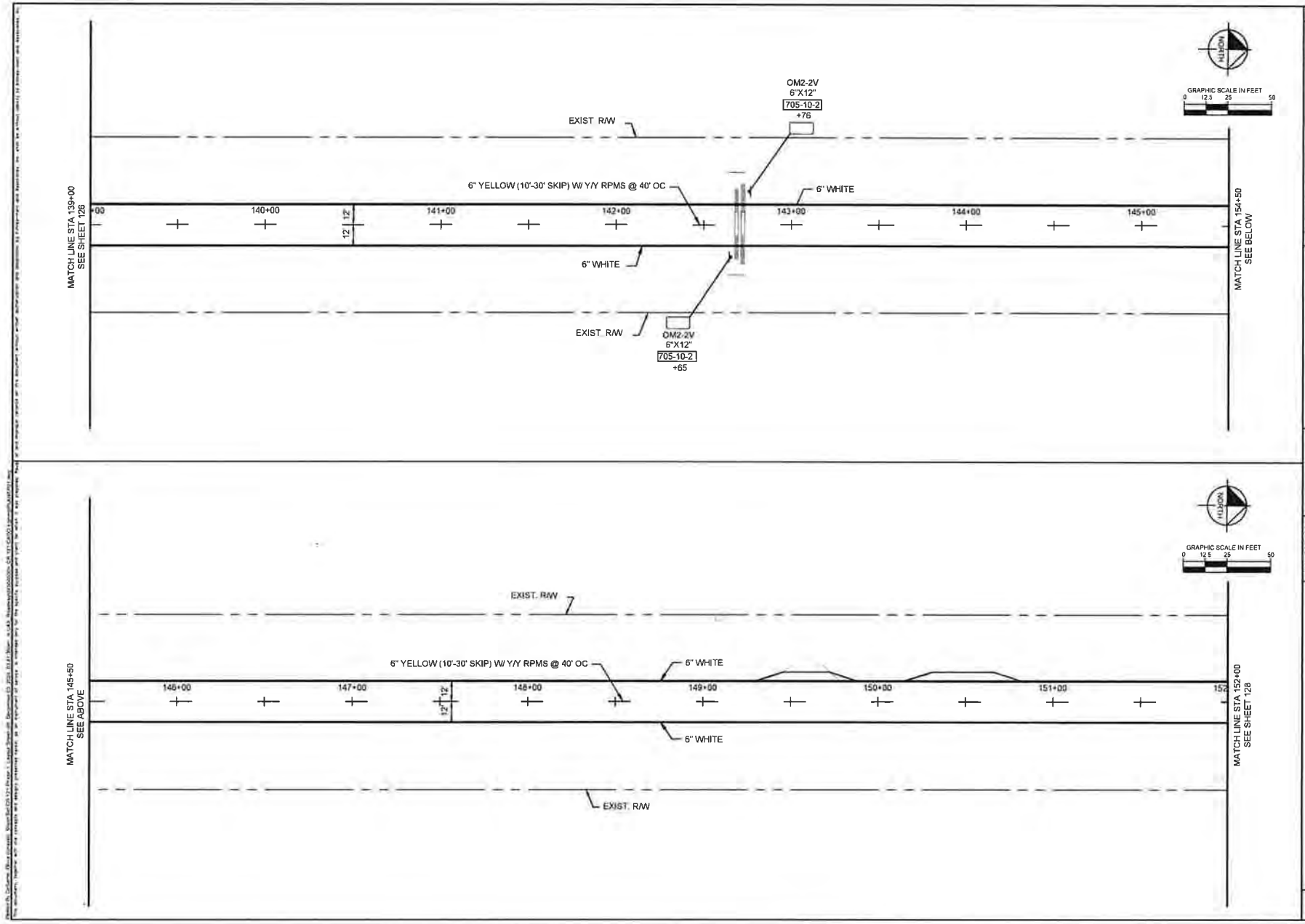
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LICENSED PROFESSIONAL
JESSICA NOVAK P.E.
FLORIDA LICENSE NUMBER
91848
DATE

KHA PROJECT
045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
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DRAWN BY —
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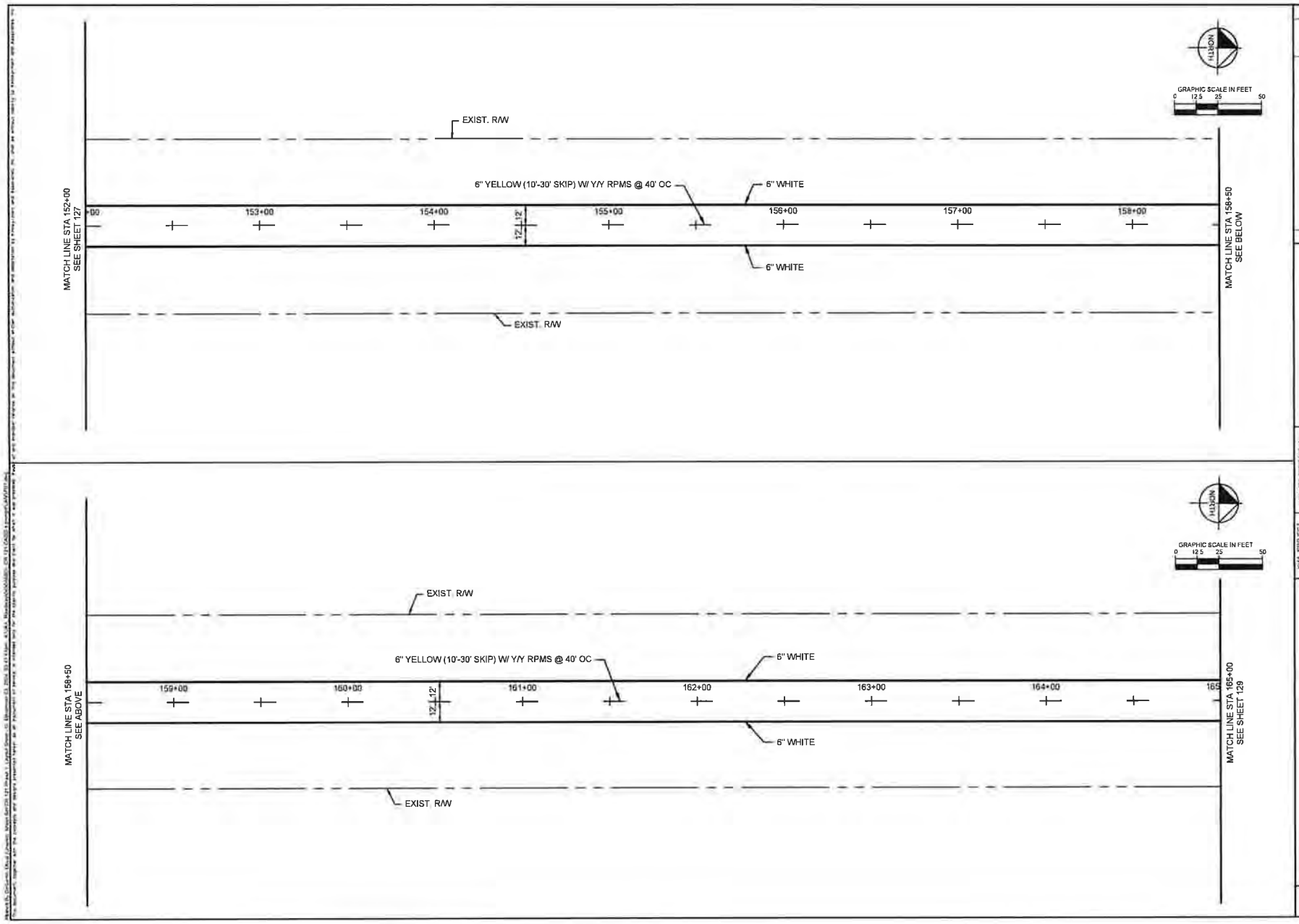
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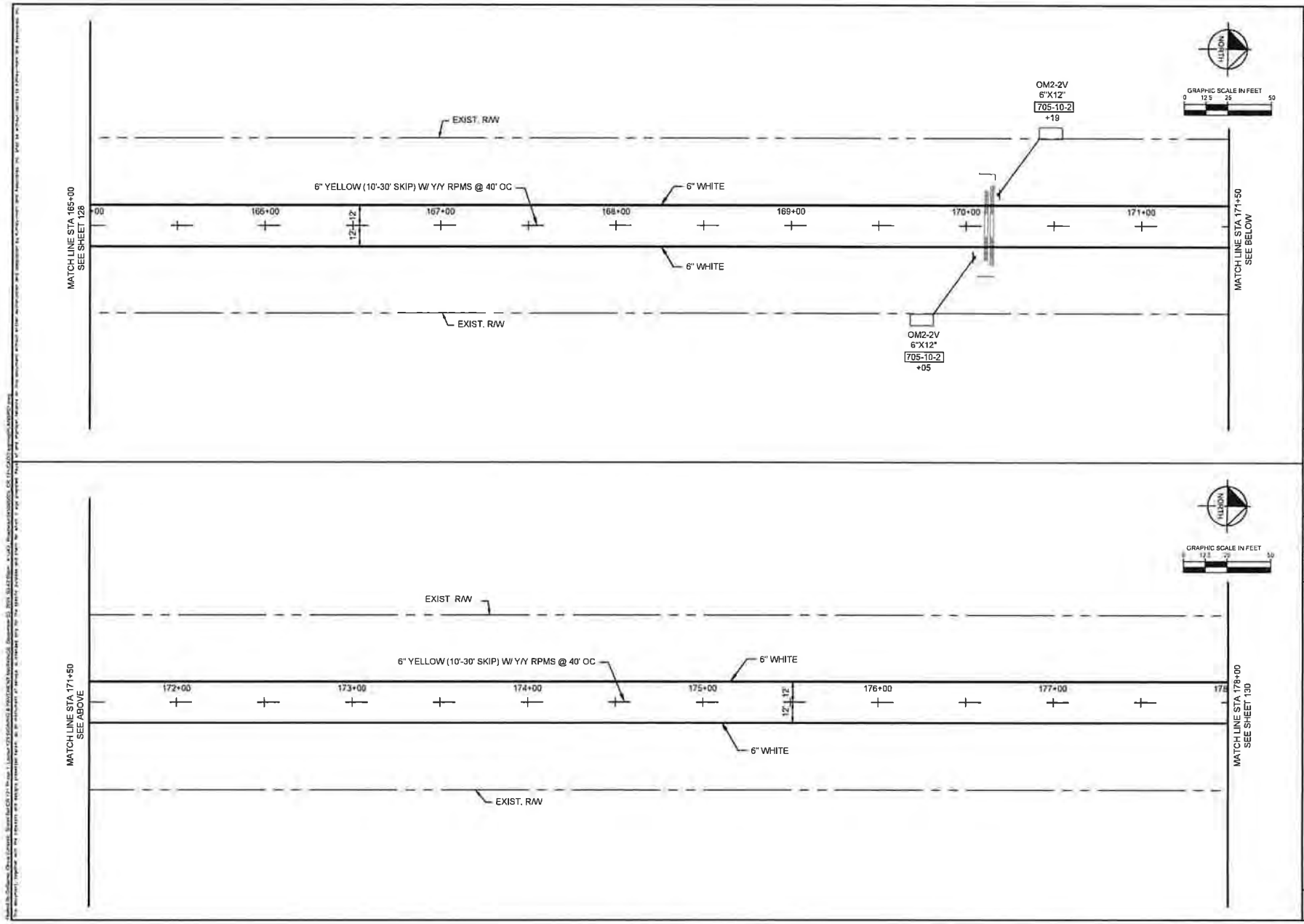
SIGNING AND PAVEMENT MARKING

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NASSAU COUNTY
FLORIDA

SHEET NUMBER
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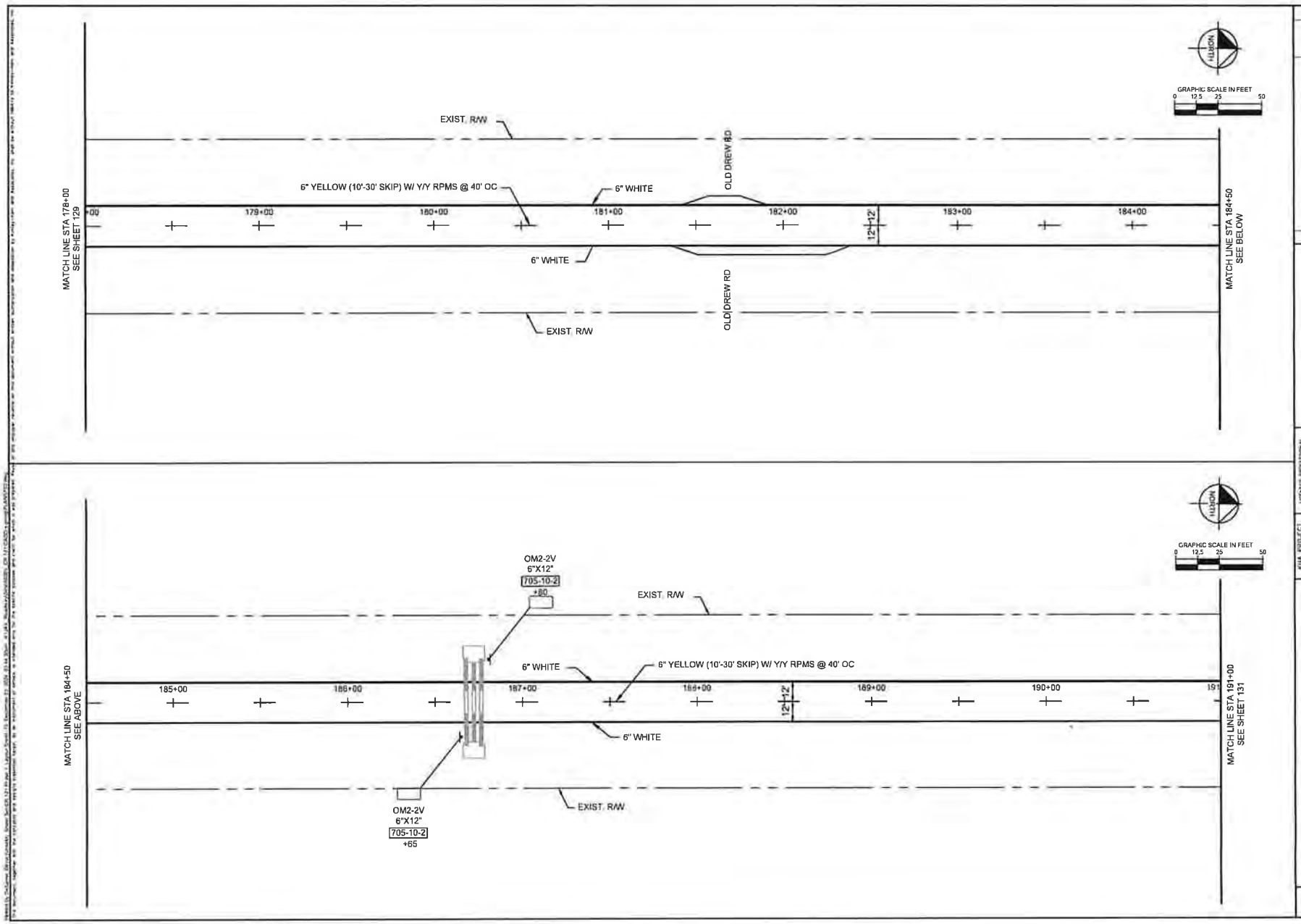
SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
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JACKSONVILLE, FLORIDA 32258
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WWW.KIMLEY-HORN.COM REGISTRY No. 35106

REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848

KHA PROJECT
045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

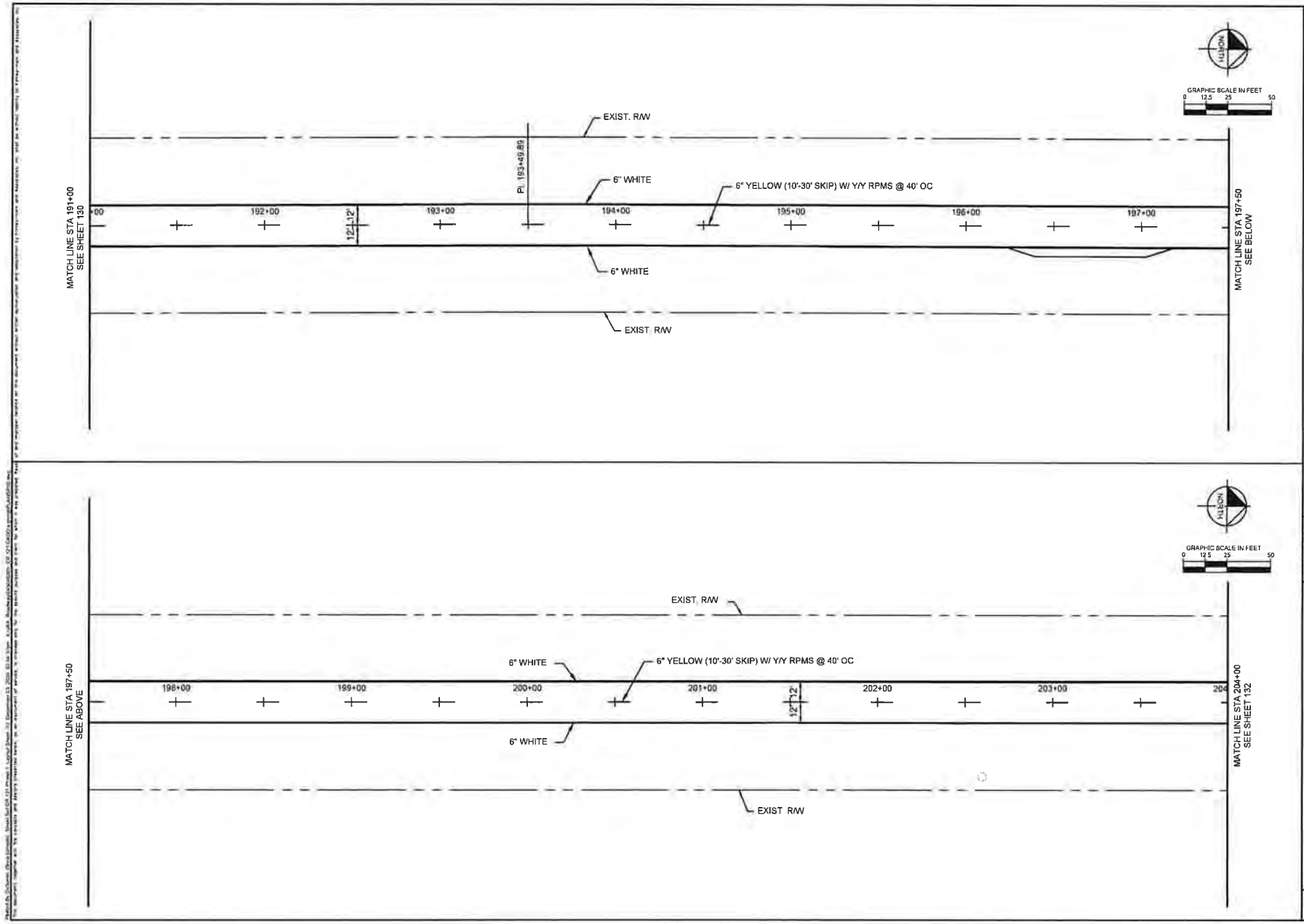
SIGNING AND PAVEMENT MARKING

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NASSAU COUNTY
FLORIDA

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JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900

FDOT PROJECT
045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90644
DATE —

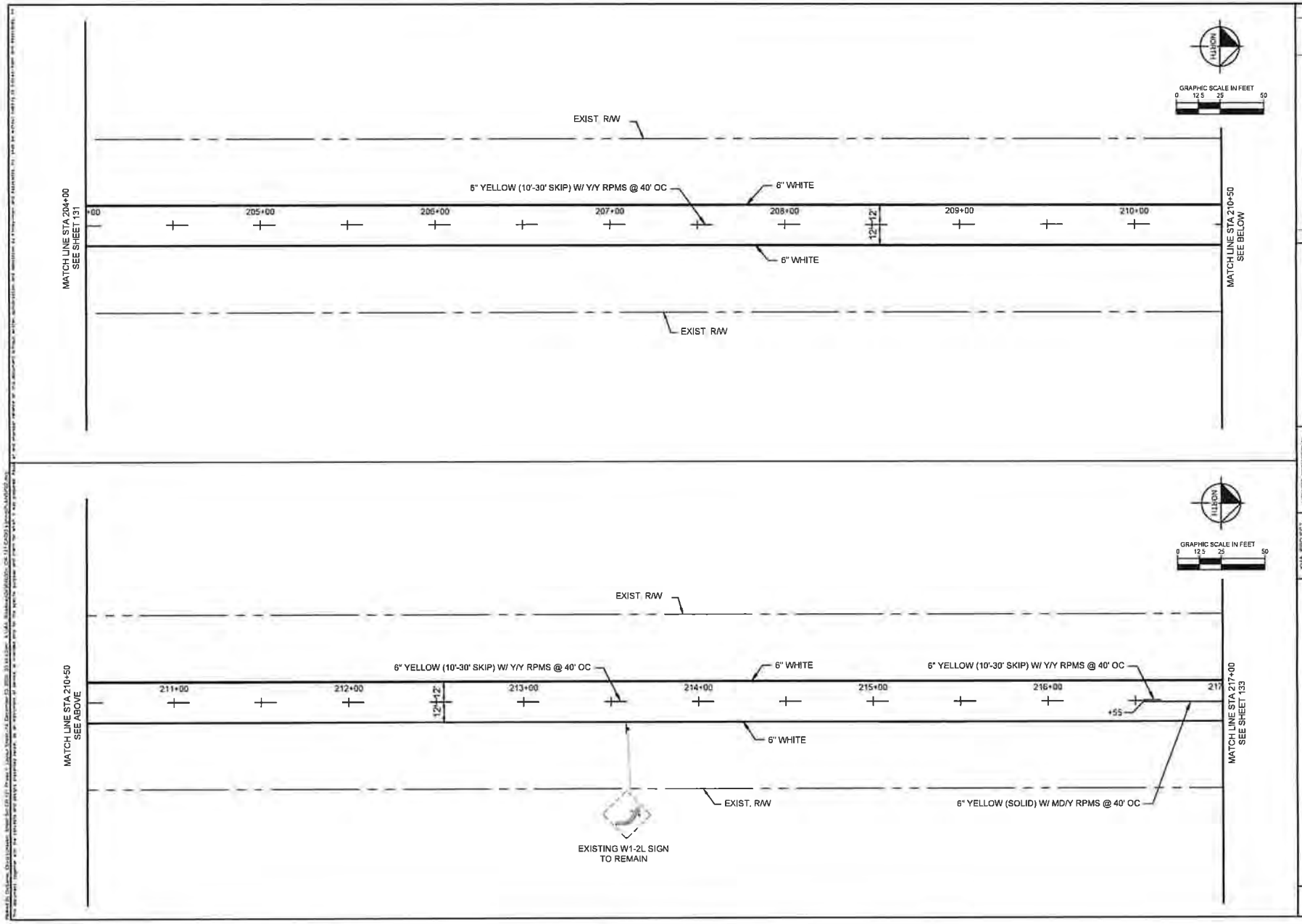
SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

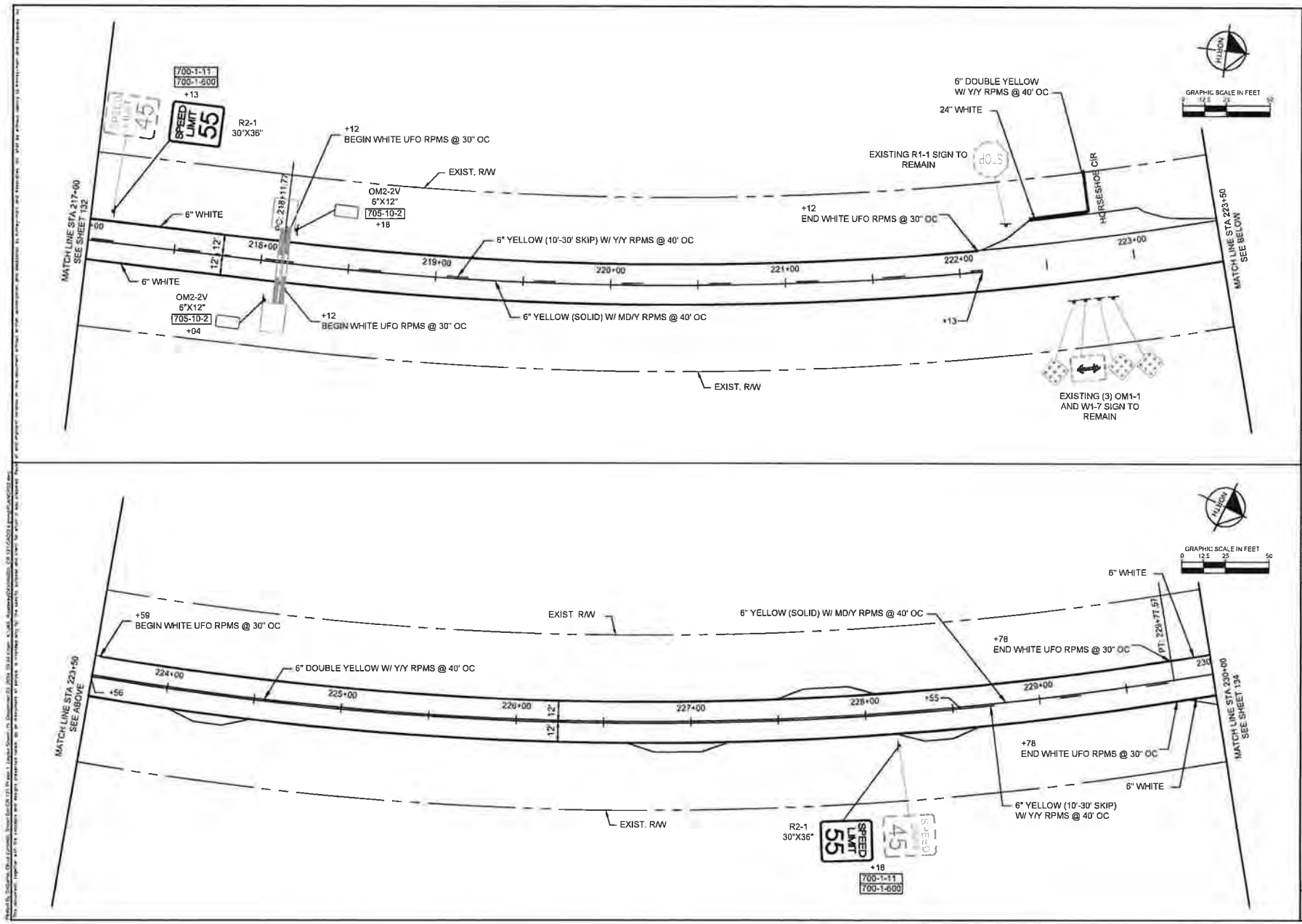
SHEET NUMBER
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SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

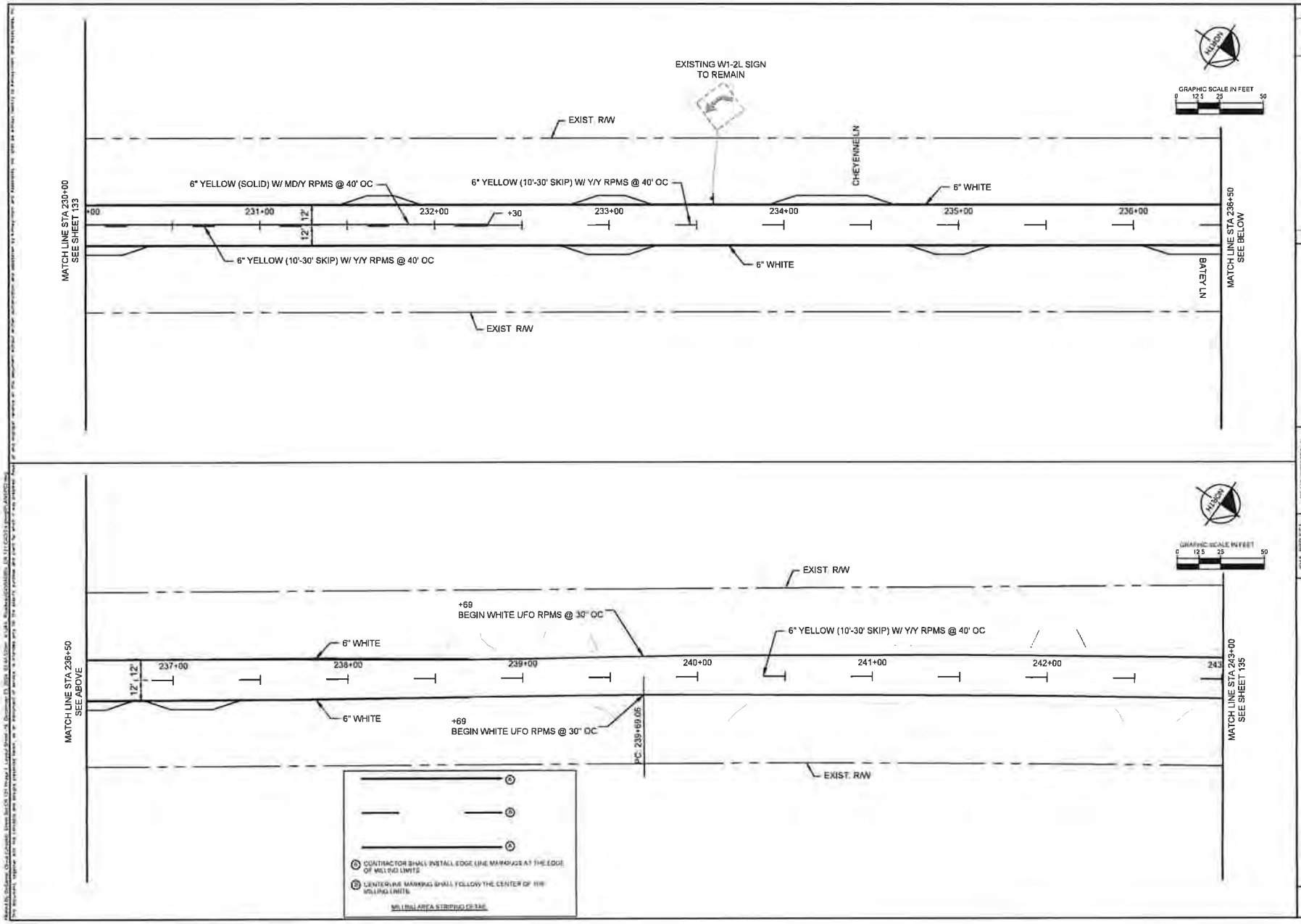
KHA PROJECT 043040005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848
DATE

SHEET NUMBER
133

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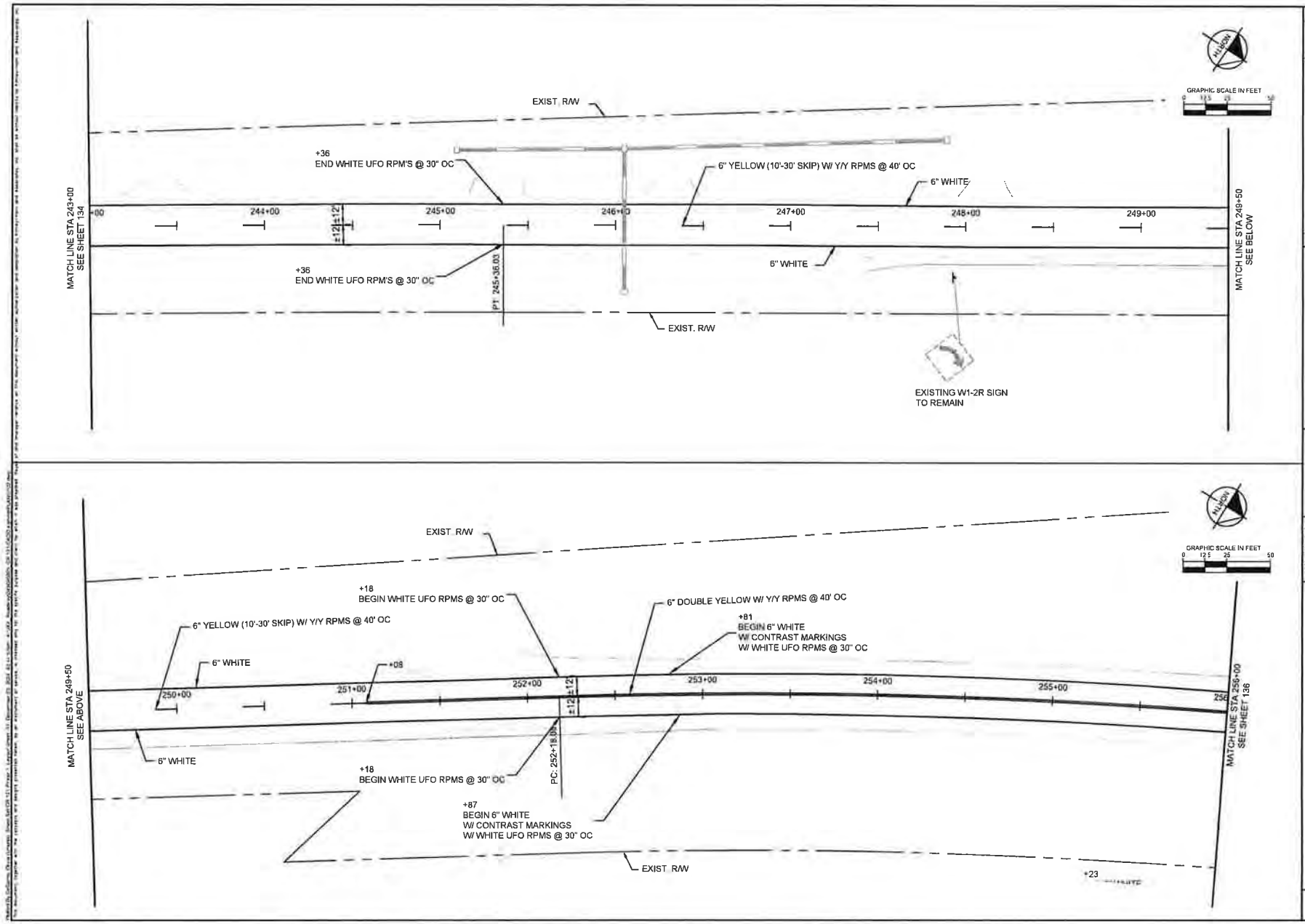
SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
134

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KHA PROJECT 045048005
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LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90846
STATE FLORIDA

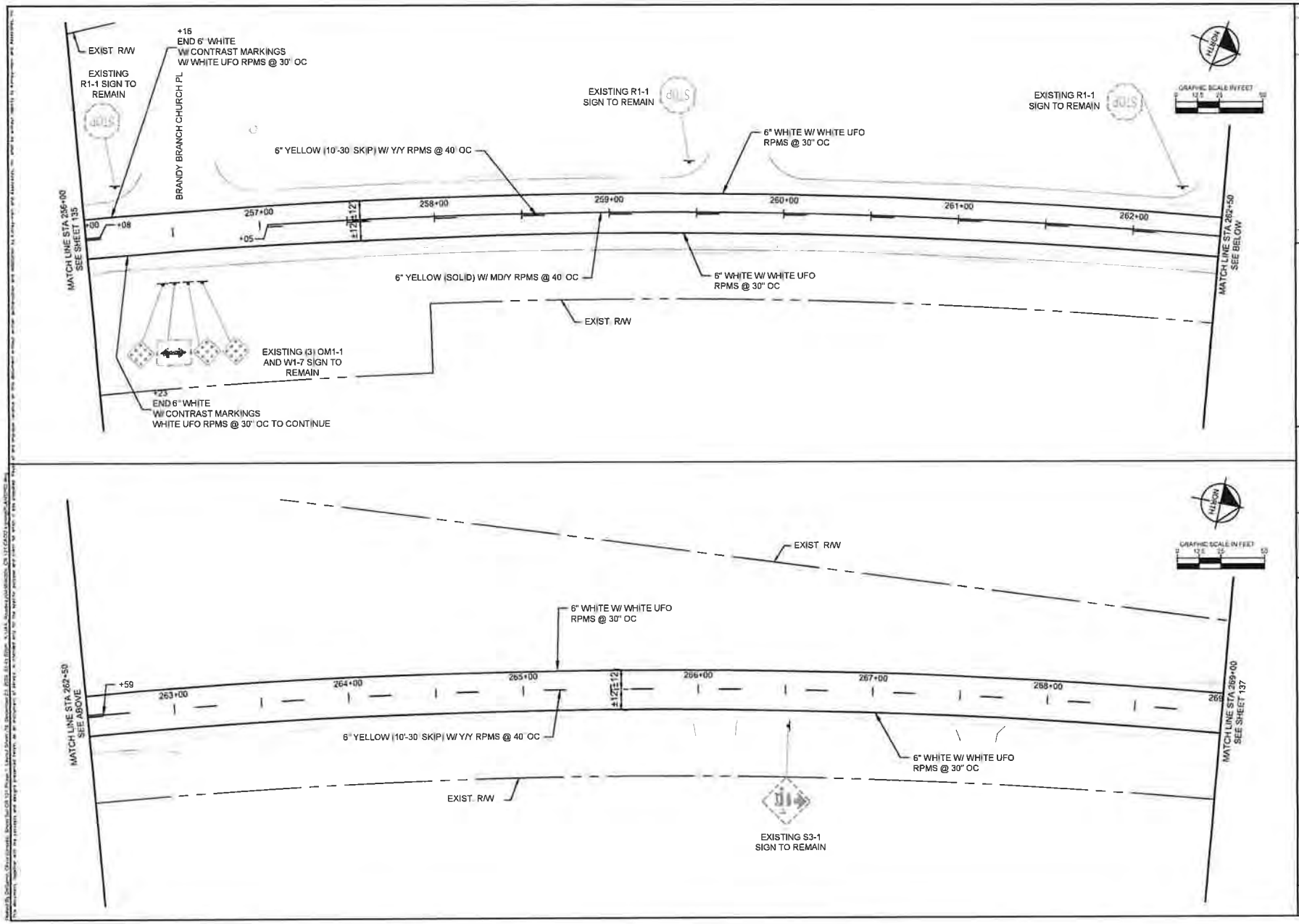
SIGNING AND PAVEMENT MARKING

CR 125 PHASE 1
NASSAU COUNTY

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JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY No. 35168

No.	REVISIONS	DATE	BY

KHA PROJECT
045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —
DATE: —

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
80848

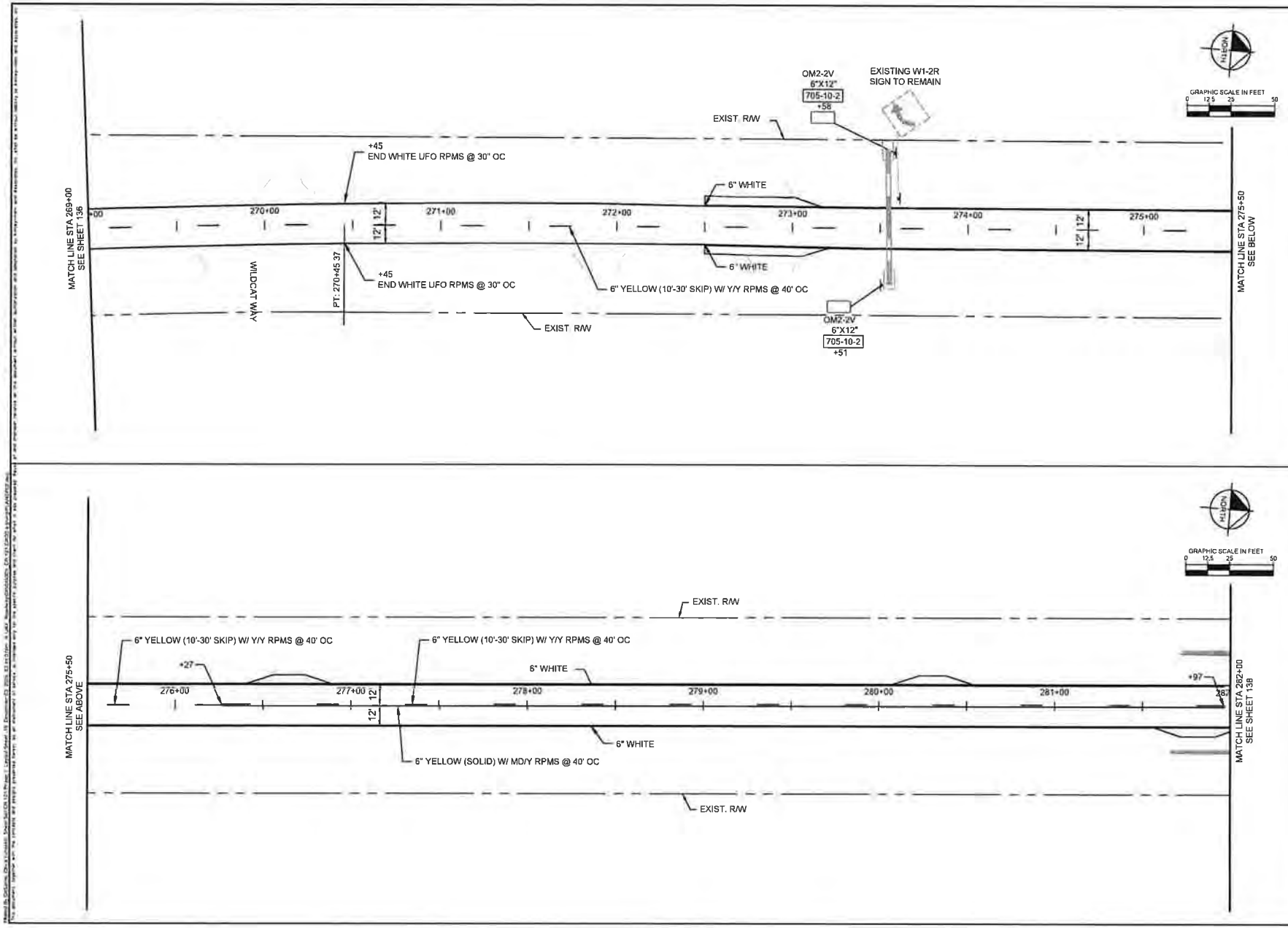
SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
136

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Kimley»Horn
JESSICA NOVAK P.E.
FLORIDA LICENSE NUMBER 90848

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DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —
DATE —

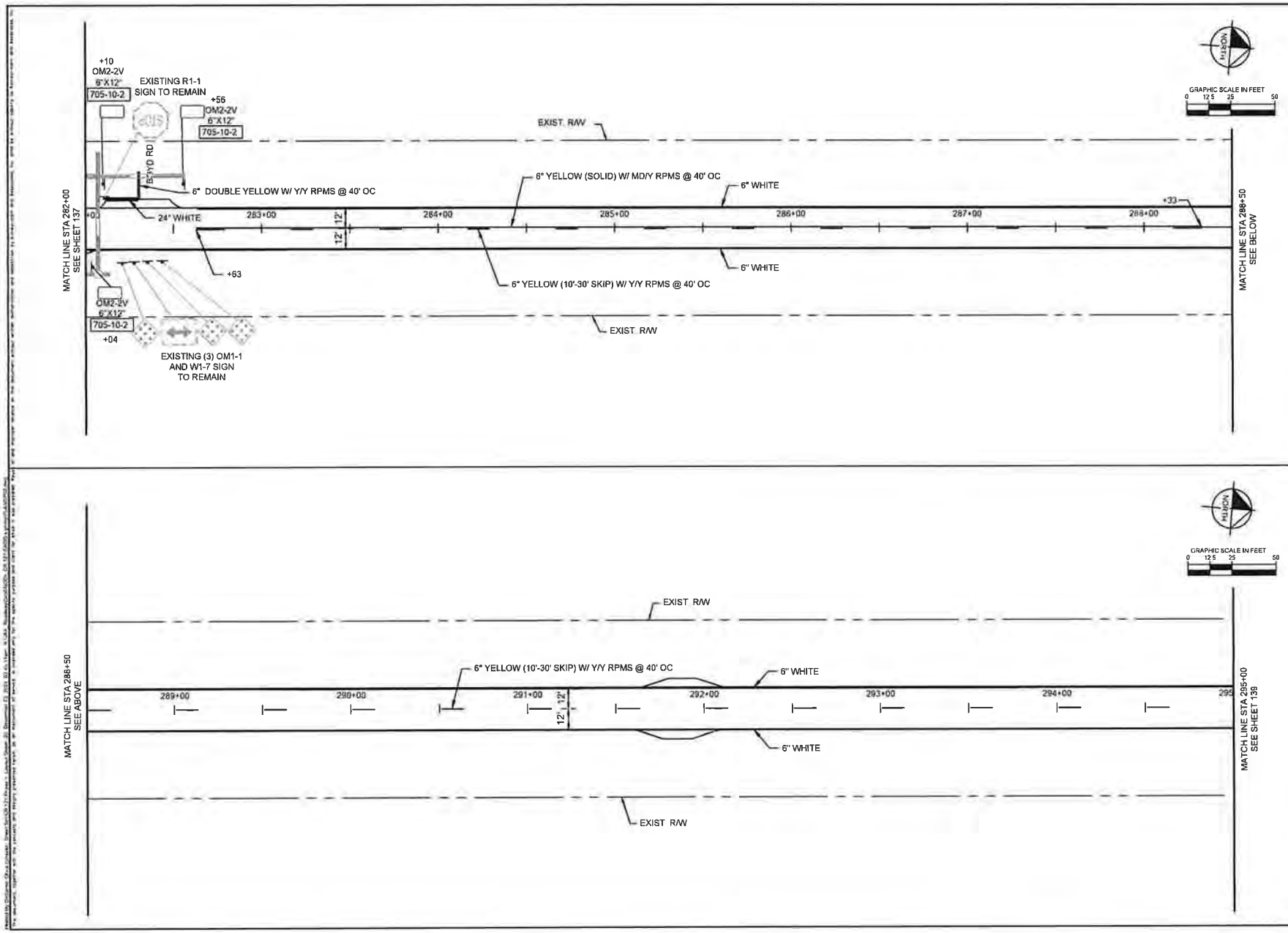
SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
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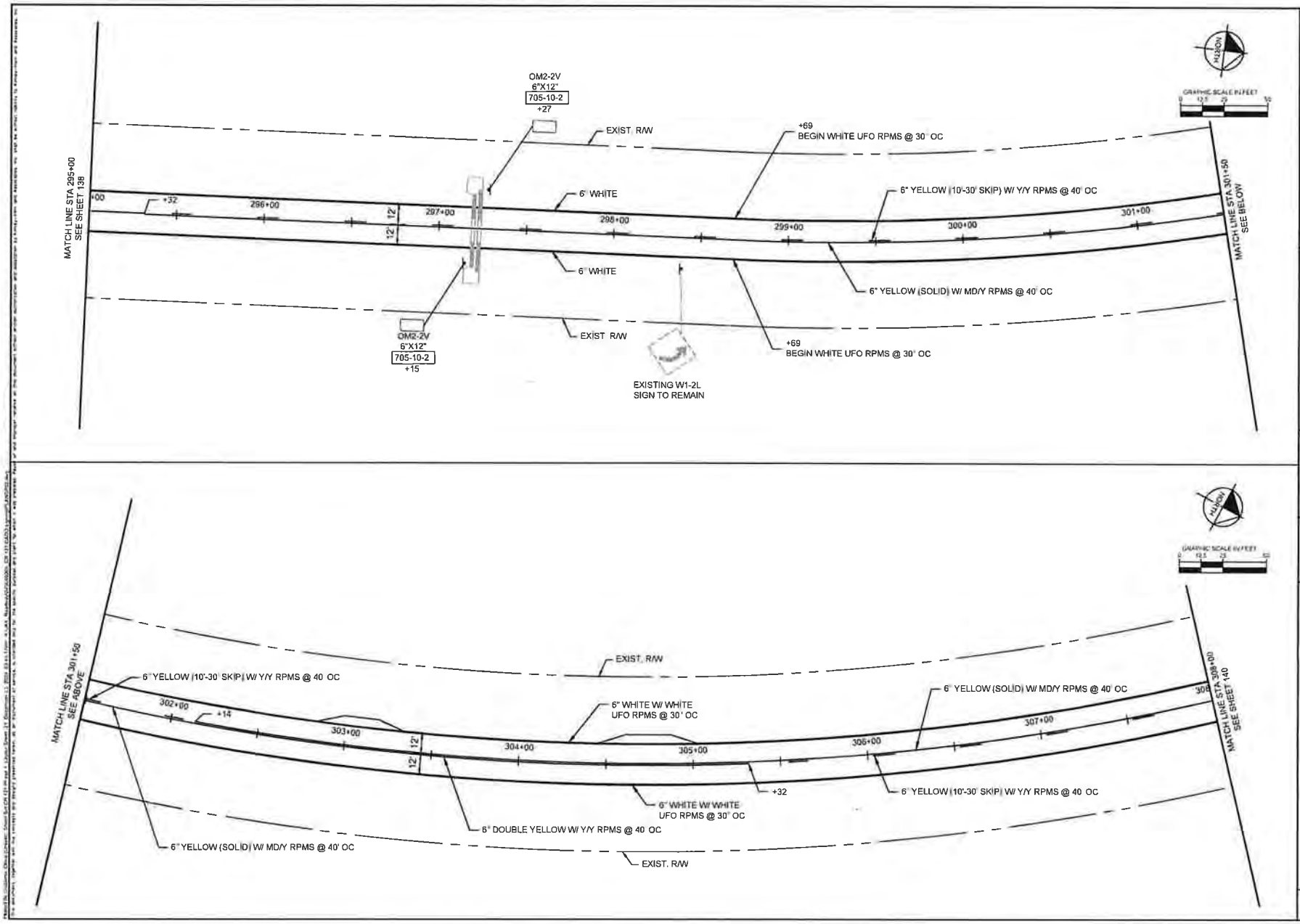
SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
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NASSAU COUNTY
FLORIDA

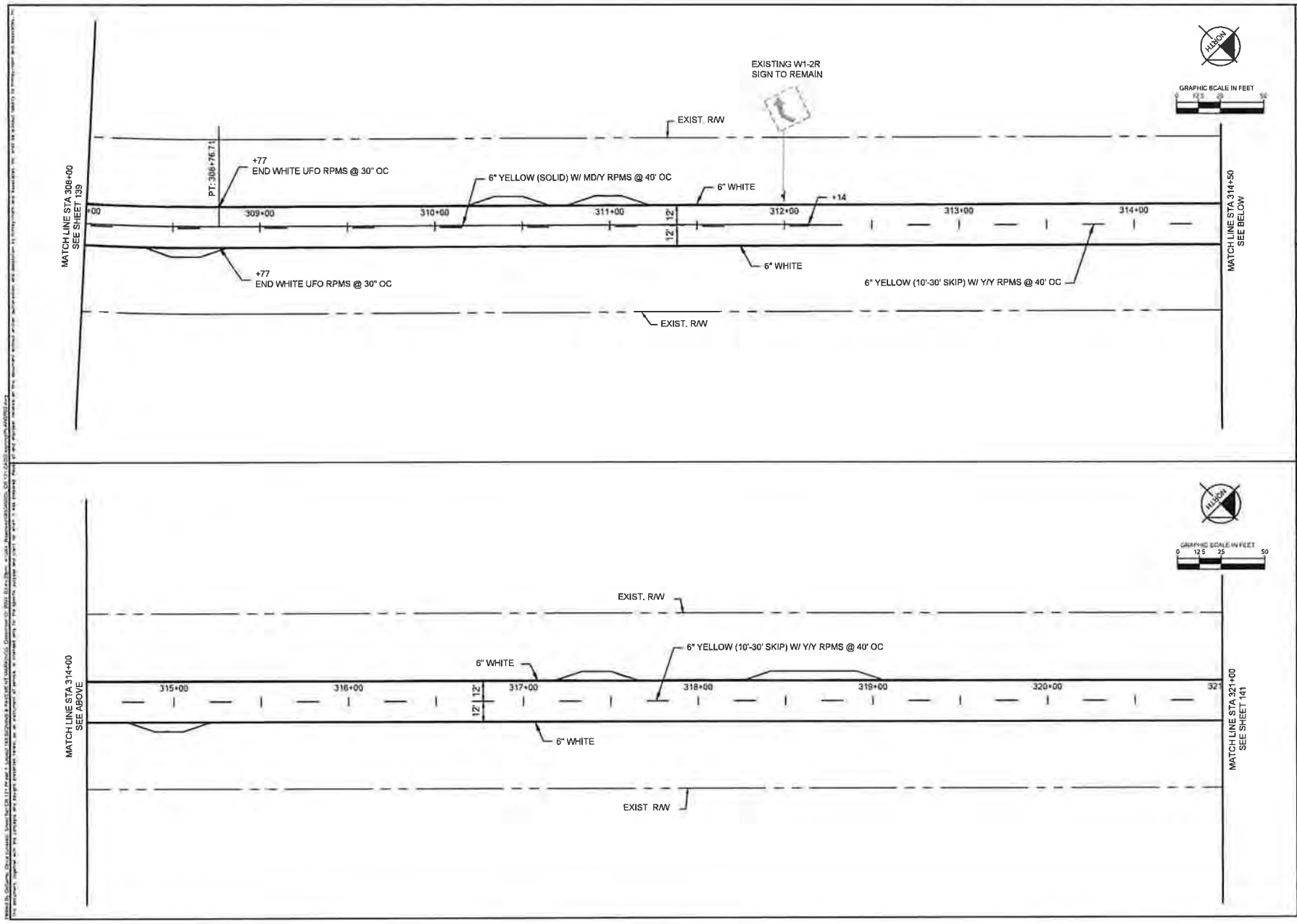
KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

JESSICA NOVAK P.E.
FLORIDA LICENSE NUMBER 82648
DATE: —

SHEET NUMBER
139

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REVISIONS

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JESSICA NOVAK P.E.
FLORIDA LICENSE NUMBER
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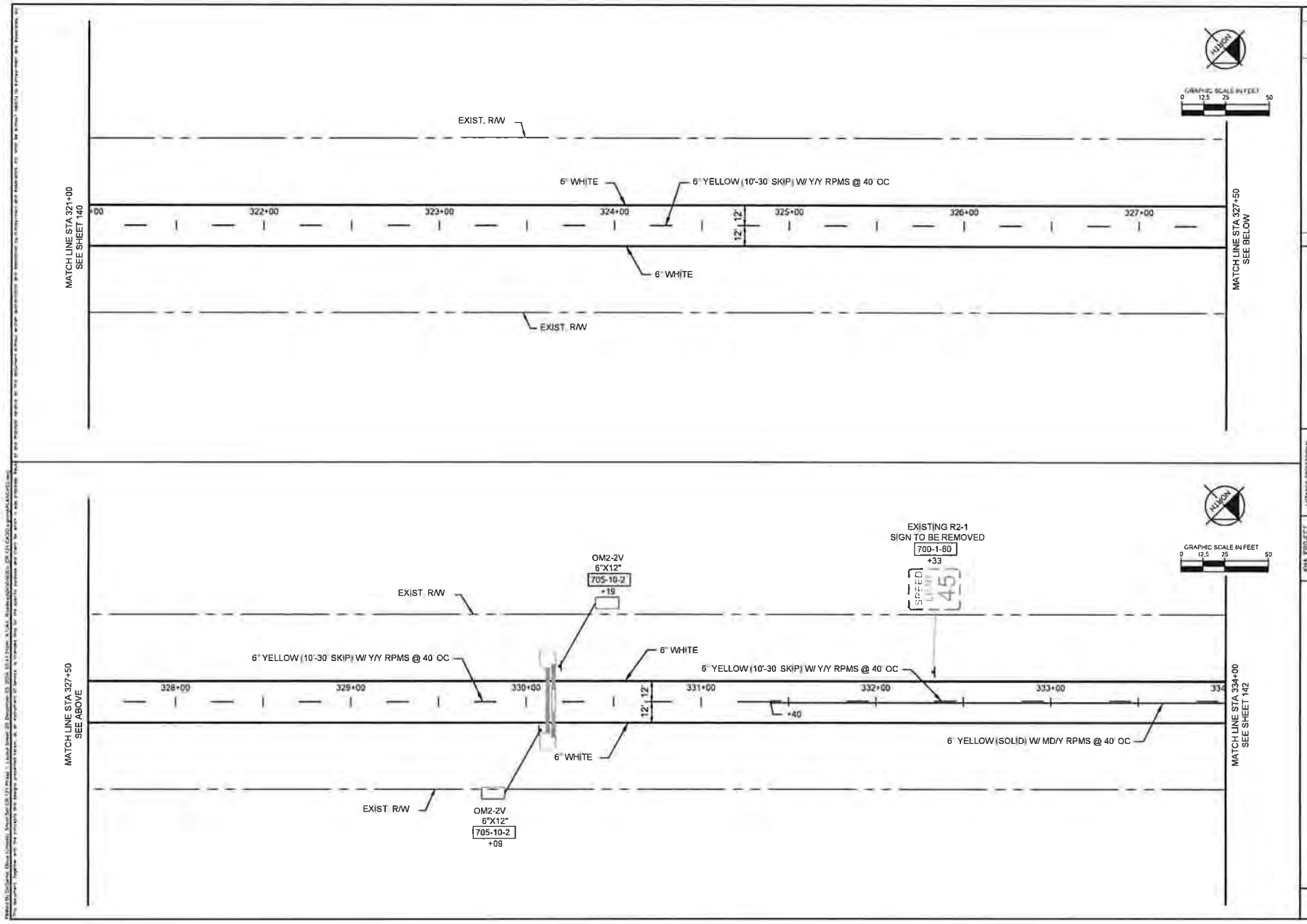
SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
140

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JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 90848

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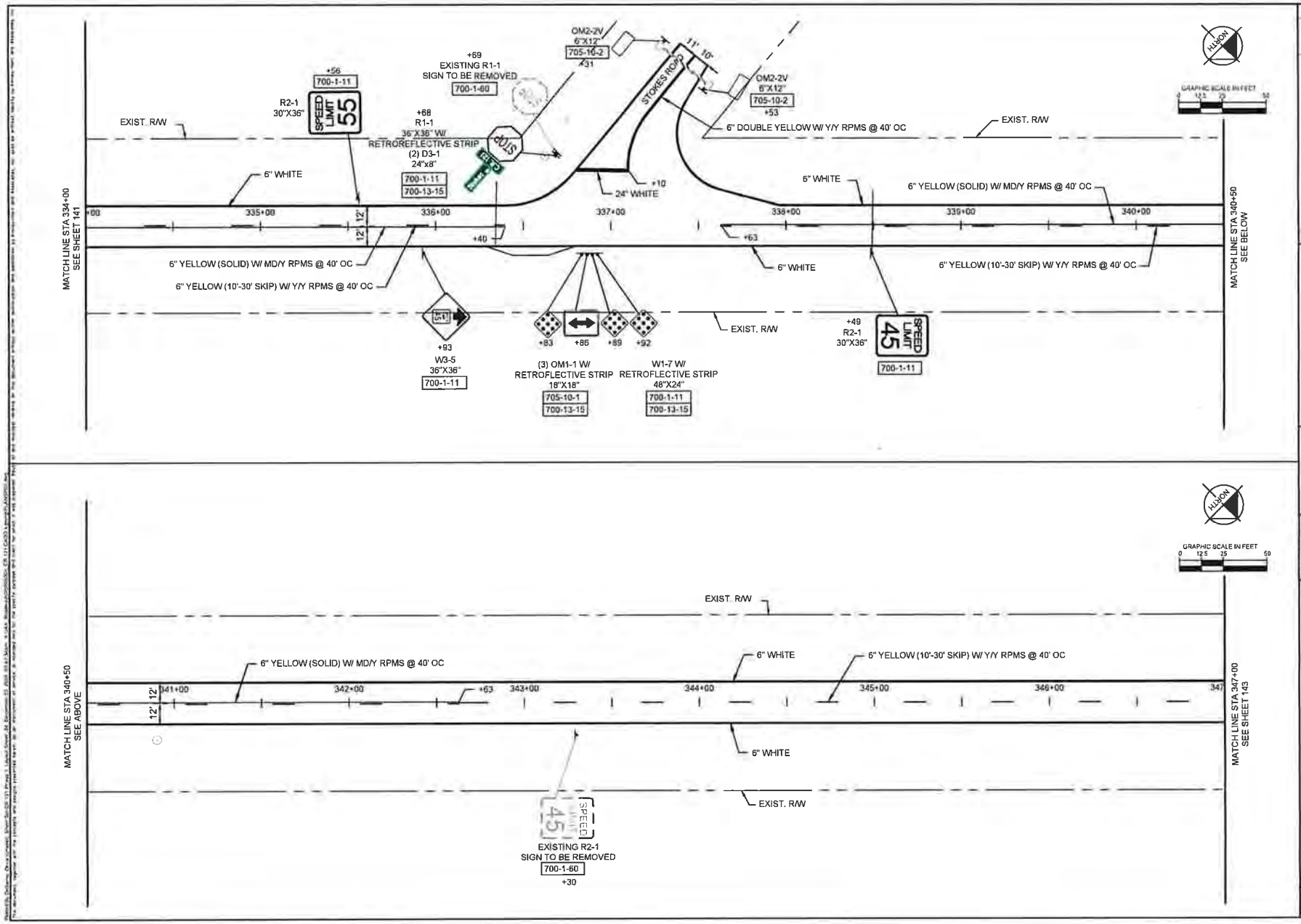
SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

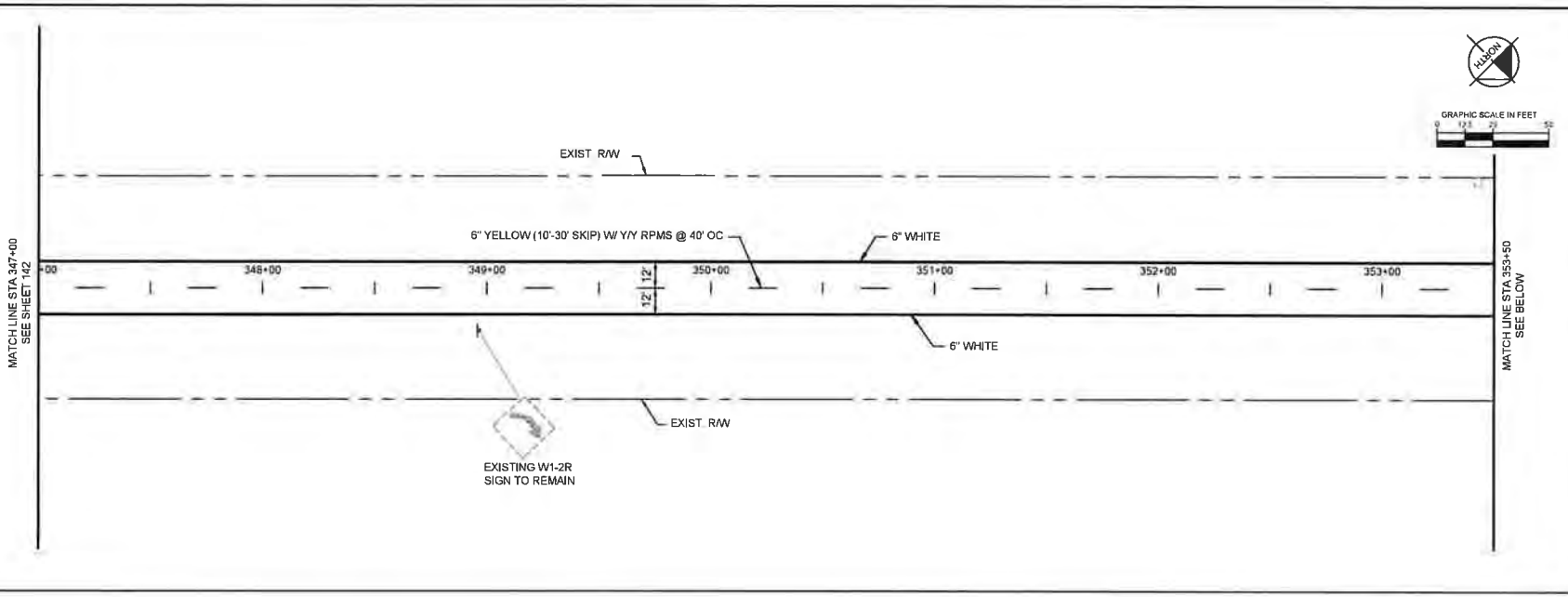
SHEET NUMBER
141

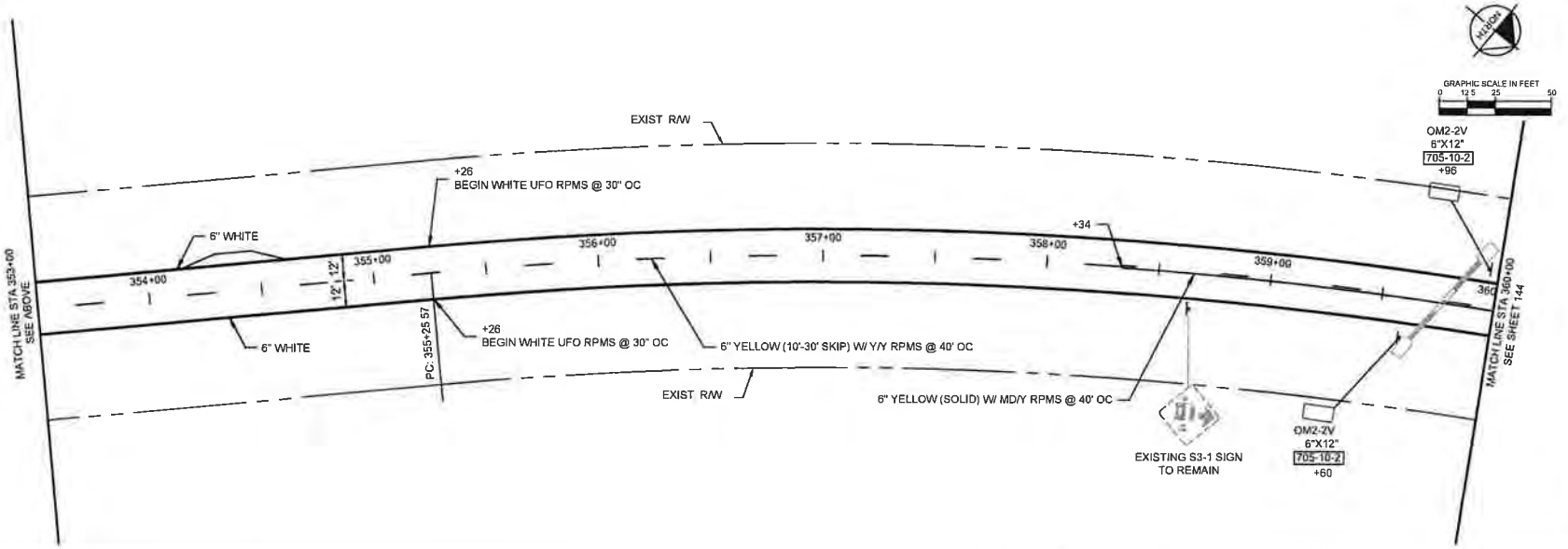
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JACKSONVILLE, FLORIDA 32258
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WWW.KIMLEY-HORN.COM REGISTRY No 35106

NO.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848
DATE:

KHA PROJECT
065048005
DATE
NOVEMBER 2024
SCALE AS SHOWN
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DRAWN BY
CHECKED BY

FLORIDA

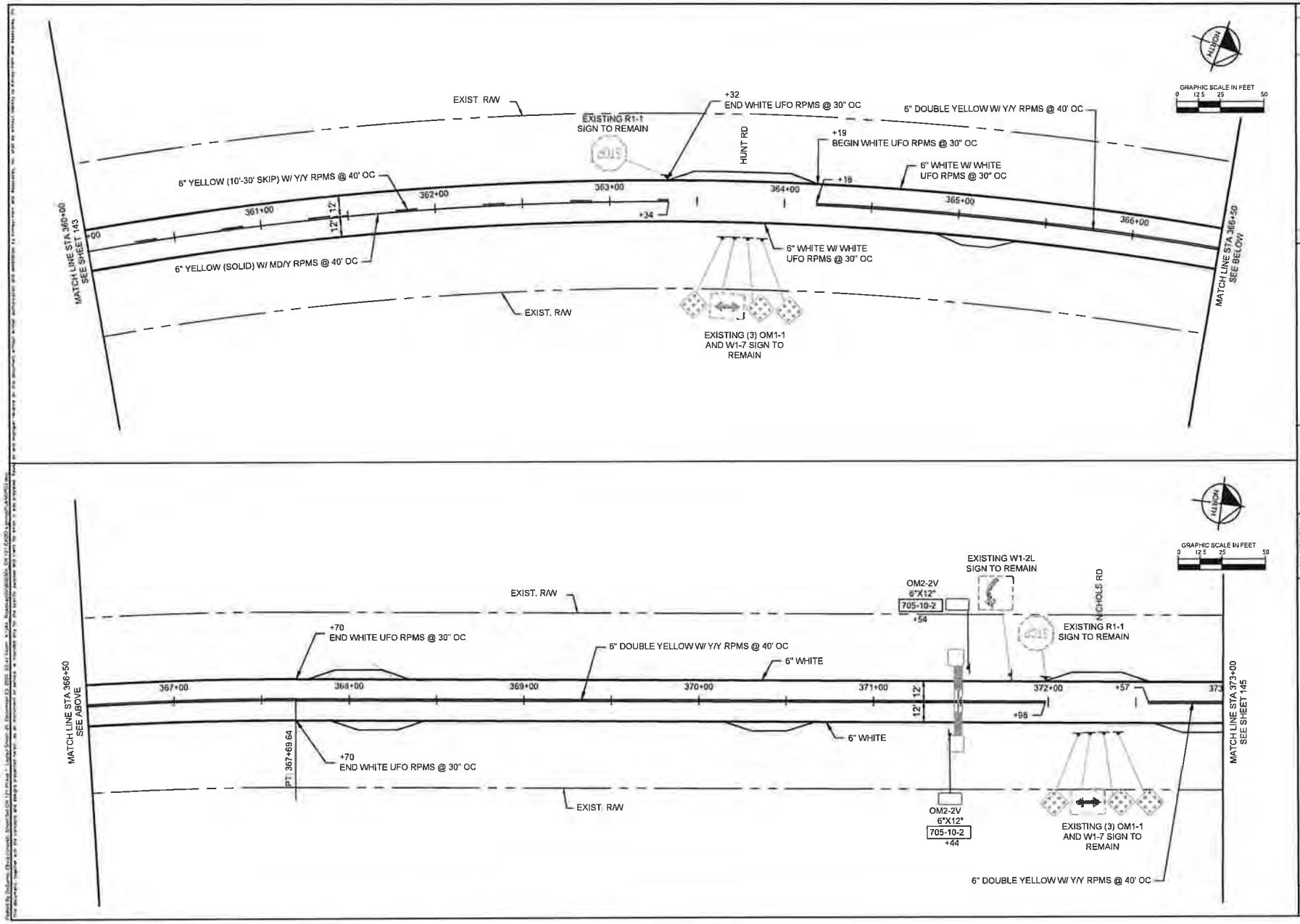
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CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER
143

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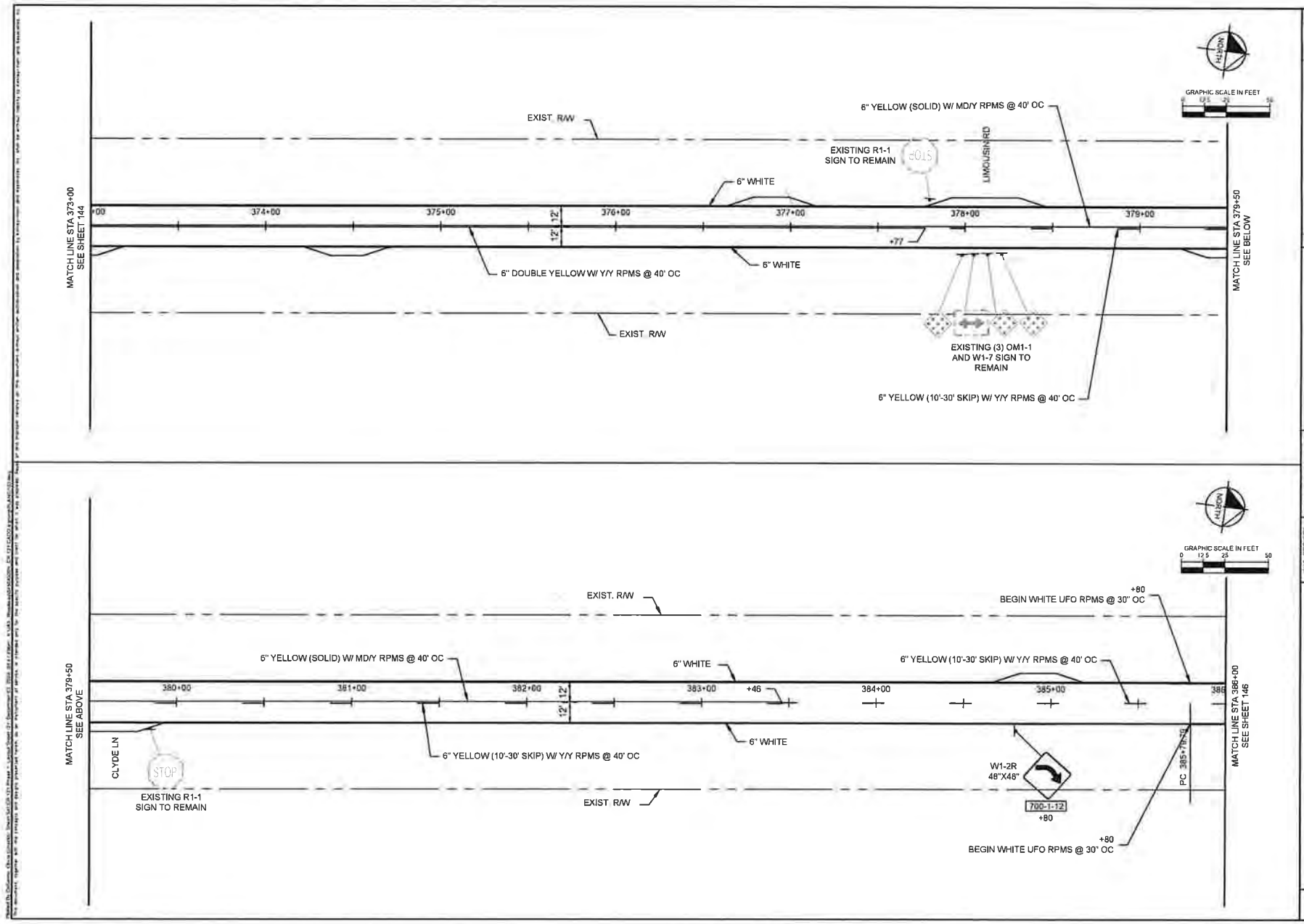
SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
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REVISIONS

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DATE NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
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JESSICA NOVAK P.E.
FLORIDA LICENSE NUMBER 93848
DATE —

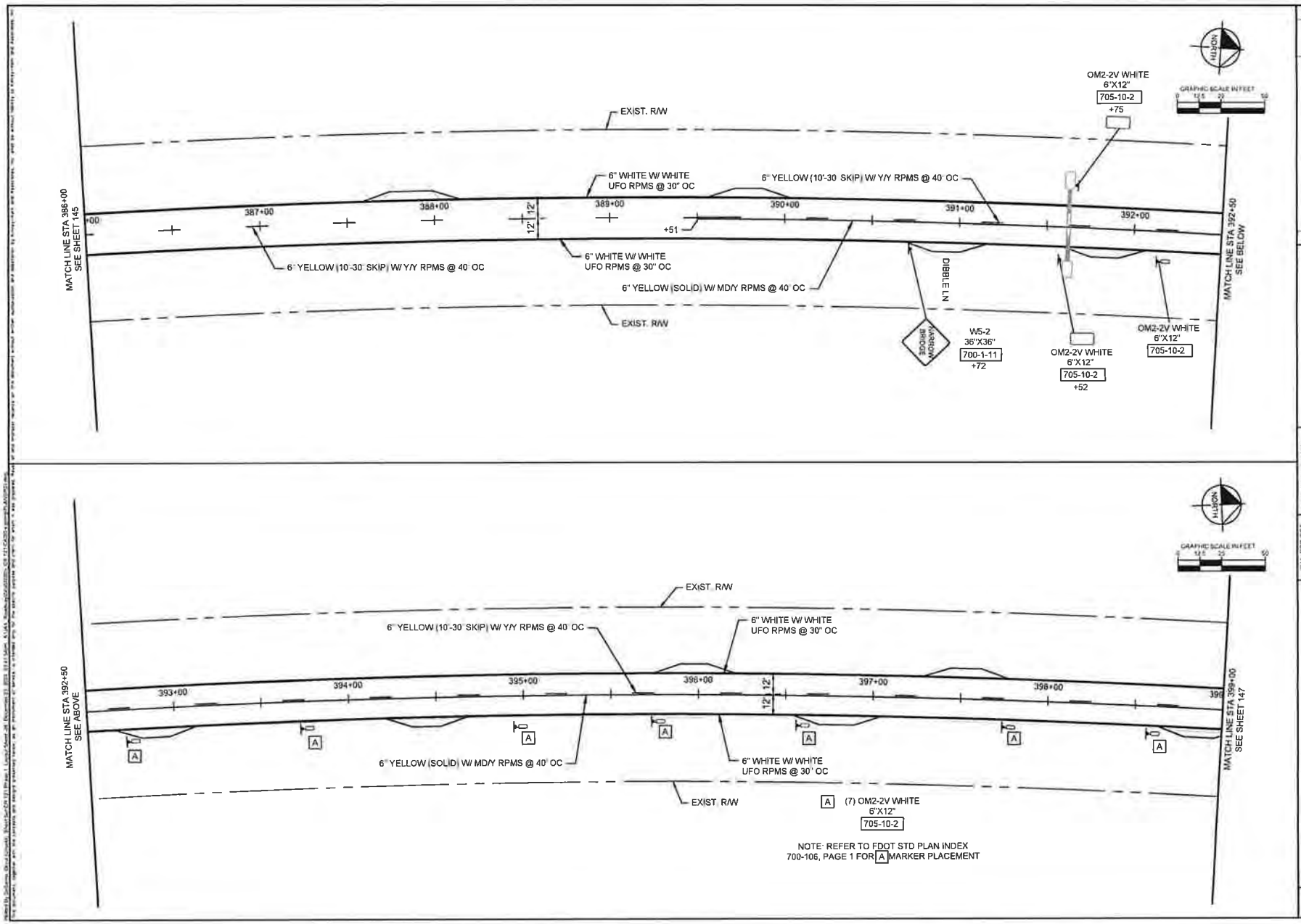
SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY, FLORIDA

SHEET NUMBER
145

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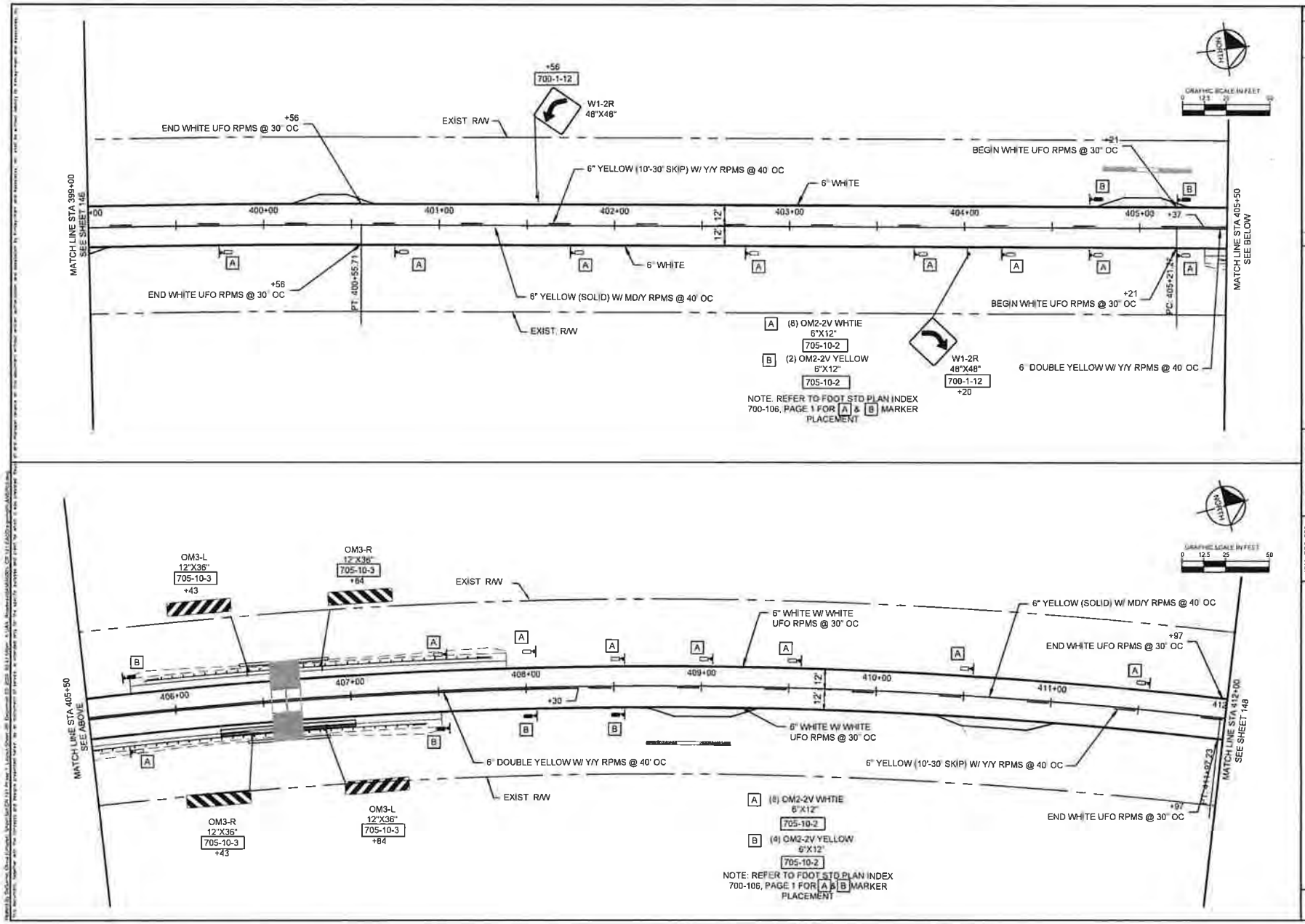
SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
146

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JESSICA NOVAK P.E.
LICENSED PROFESSIONAL ENGINEER
90848
STATE: FLORIDA

KHA PROJECT 045046005
DATE NOVEMBER 2024
SCALE AS SHOWN
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SIGNING AND PAVEMENT MARKING

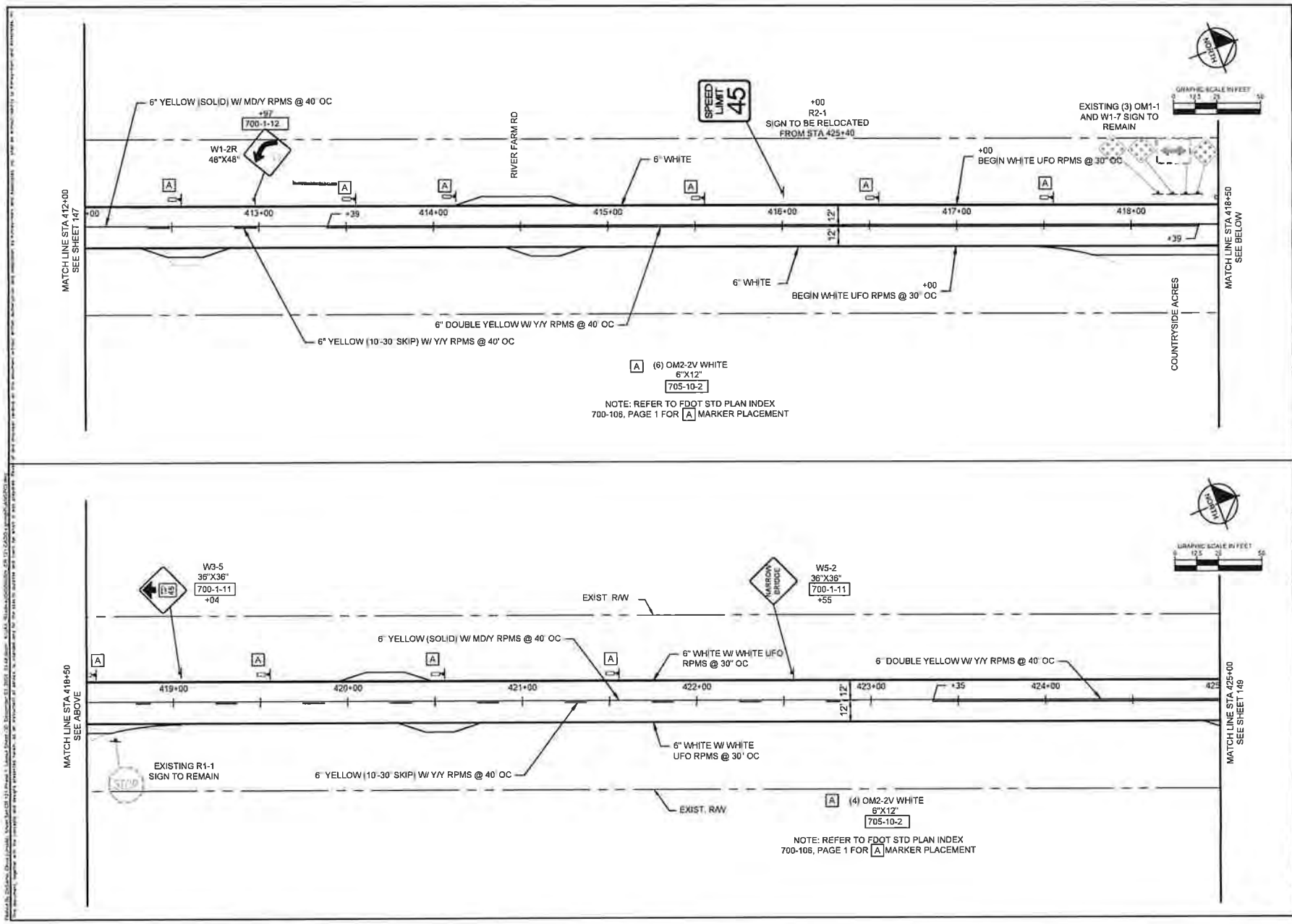
CR 121 PHASE 1
NASSAU COUNTY

SHEET NUMBER
147

REVISIONS | DATE | BY

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SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

KHA PROJECT 045048005
DATE: NOVEMBER 2024
SCALE: AS SHOWN

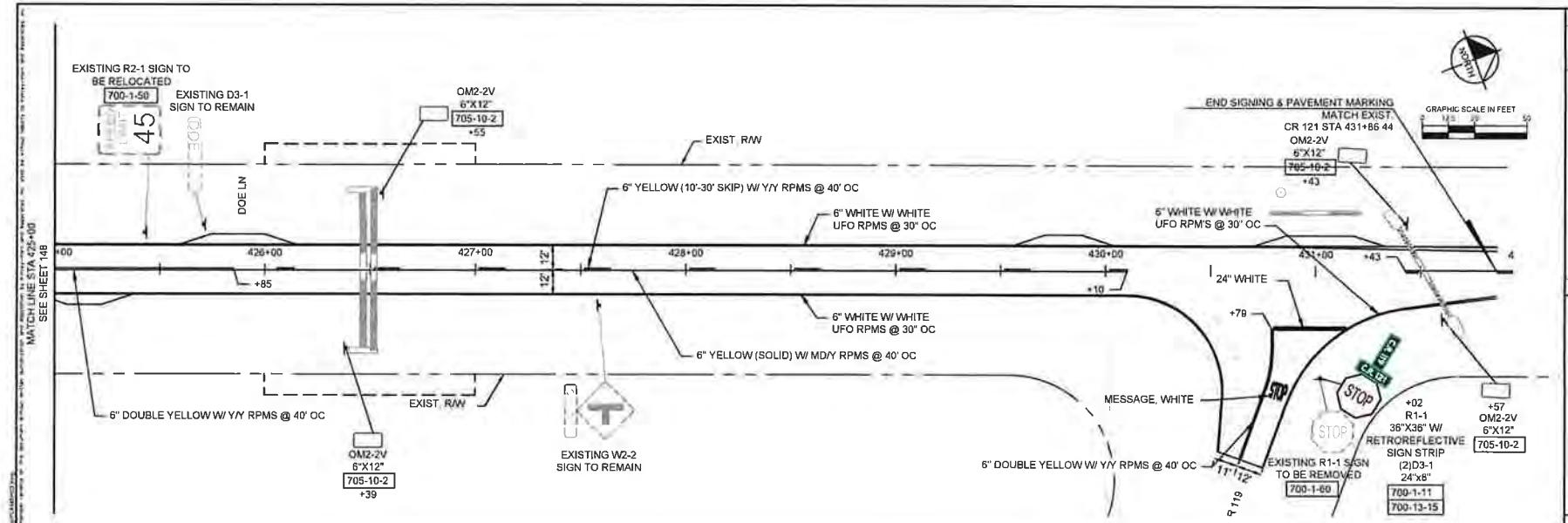
LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER 95648

REVISIONS

SHEET NUMBER
148

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12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900

REVISIONS

NO.	DATE	BY

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848

KHA PROJECT
045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
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SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
149

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TEMPORARY TRAFFIC CONTROL GENERAL NOTES:

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE FDOT STANDARD PLANS FOR ROAD CONSTRUCTION - INDEX 102 SERIES, THE FEDERAL HIGHWAY ADMINISTRATION, MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
2. INSTALL ADVANCE SIGNING AND TRAFFIC CONTROL DEVICES PRIOR TO THE BEGINNING OF EACH PHASE OF CONSTRUCTION IN ACCORDANCE WITH FDOT STANDARD PLANS AND TRAFFIC CONTROL PLANS
3. ACCESS TO ALL DRIVEWAYS, SIDE STREETS, AND BUSINESSES SHALL ALWAYS BE MAINTAINED ENSURE MAIL AND PARCEL DELIVERY AND SOLID WASTE COLLECTION HAS ACCESS AT ALL TIMES
4. SEE ROAD CLOSURE DETAILS (SHEET 151)
5. THE POSTED SPEED THROUGH EACH SEGMENT DURING CONSTRUCTION IS 45 MPH
6. WORK ZONE SIGN SPACING 'X' = 500 LF
7. BUFFER LENGTH 'B' = 360 LF
8. CONTRACTOR SHALL PROVIDE SIGNED TEMPORARY TRAFFIC CONTROL PLANS FOR APPROVAL TO NASSAU COUNTY CEI 14 DAYS PRIOR TO IMPLEMENTATION
9. THE PROJECT MAY ONLY HAVE ONE FULL ROAD CLOSURE AT A TIME
10. THE THROUGH TRAFFIC DETOUR PLAN IS CONCEPTUAL AND IS ONLY INTENDED TO SHOW THE GENERAL DETOUR ROUTES ASSOCIATED WITH THE CR121 CLOSURES CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL PLANS FOR APPROVAL TO NASSAU COUNTY CEI 14 DAYS PRIOR TO IMPLEMENTATION
11. PROJECT AREAS THAT ARE NOT ACTIVE CONSTRUCTION AREAS ARE TO BE KEPT FREE OF CONSTRUCTION DEBRIS AND ANY TRAFFIC CONTROL DEVICES
12. ARROWS ON THE TRAFFIC CONTROL DETOUR PLAN DENOTE THE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS UNLESS SPECIFICALLY NOTED
13. THIS DETOUR SIGNAGE SHALL BE IN PLACE TWO WEEKS PRIOR TO CONSTRUCTION AND FOR ALL PHASES OF CONSTRUCTION
14. CONTRACTOR TO CONSTRUCT ONE BOX CULVERT AT A TIME
15. CONTRACTOR TO COORDINATE WITH NASSAU COUNTY FIRE RESCUE ONE MONTH PRIOR TO ROAD CLOSURES FOR BOX CULVERT RECONSTRUCTION

    FIRE CHIEF: BRADY RIGDON (904) 530-6600
16. LIMIT DURATION OF ROAD CLOSURE AT EACH BOX CULVERT REPLACEMENT LOCATION TO THE GREATEST EXTENT POSSIBLE THE INTENT IS TO FACILITATE THE PASSAGE OF EMERGENCY VEHICLES PRIOR TO COMPLETION OF THE BOX CULVERT RECONSTRUCTION
17. IN THE PAVEMENT RECONSTRUCTION PHASE, THE CONTRACTOR SHALL PROVIDE A PASSABLE ROUTE FOR EMERGENCY VEHICLES THROUGHOUT CONSTRUCTION
18. MAILBOX ACCESS SHALL BE MAINTAINED DURING ROAD CLOSURE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 110-200
19. TEMPORARY LANE CLOSURES NOT ALLOWED BETWEEN THE HOURS OF 7AM-9AM AND 3PM-5PM

CONSTRUCTION SEQUENCING FOR ROAD CONSTRUCTION

1. INSTALL EROSION CONTROL DEVICES
2. INSTALL ADVANCED SIGNING AND TRAFFIC CONTROL DEVICES PER TEMPORARY TRAFFIC CONTROL PLAN. MAINTAIN TRAFFIC PER FDOT STANDARD PLANS INDEX 102-SERIES
3. CONSTRUCT PROPOSED IMPROVEMENTS IN FIRST SEGMENT CLOSURE WHILE ALL TRAFFIC IS UTILIZING TEMPORARY DETOUR ROUTE
4. CONTINUE STEPS 2 AND 3 IN SEGMENTS UNTIL ALL IMPROVEMENTS HAVE BEEN CONSTRUCTED
5. INSTALL ALL PROPOSED PAVEMENT MARKINGS
6. REMOVE TRAFFIC CONTROL DEVICES

No.	REVISIONS	DATE	BY

Kimley»Horn

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12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL
GEORGE E. ROLAND, P.E.
FLORIDA LICENSE NUMBER
62338
DATE: ____

KHA PROJECT
045046005
DATE
NOVEMBER 2024
SCALE AS SHOWN
DESIGNED BY ____
DRAWN BY ____
CHECKED BY ____

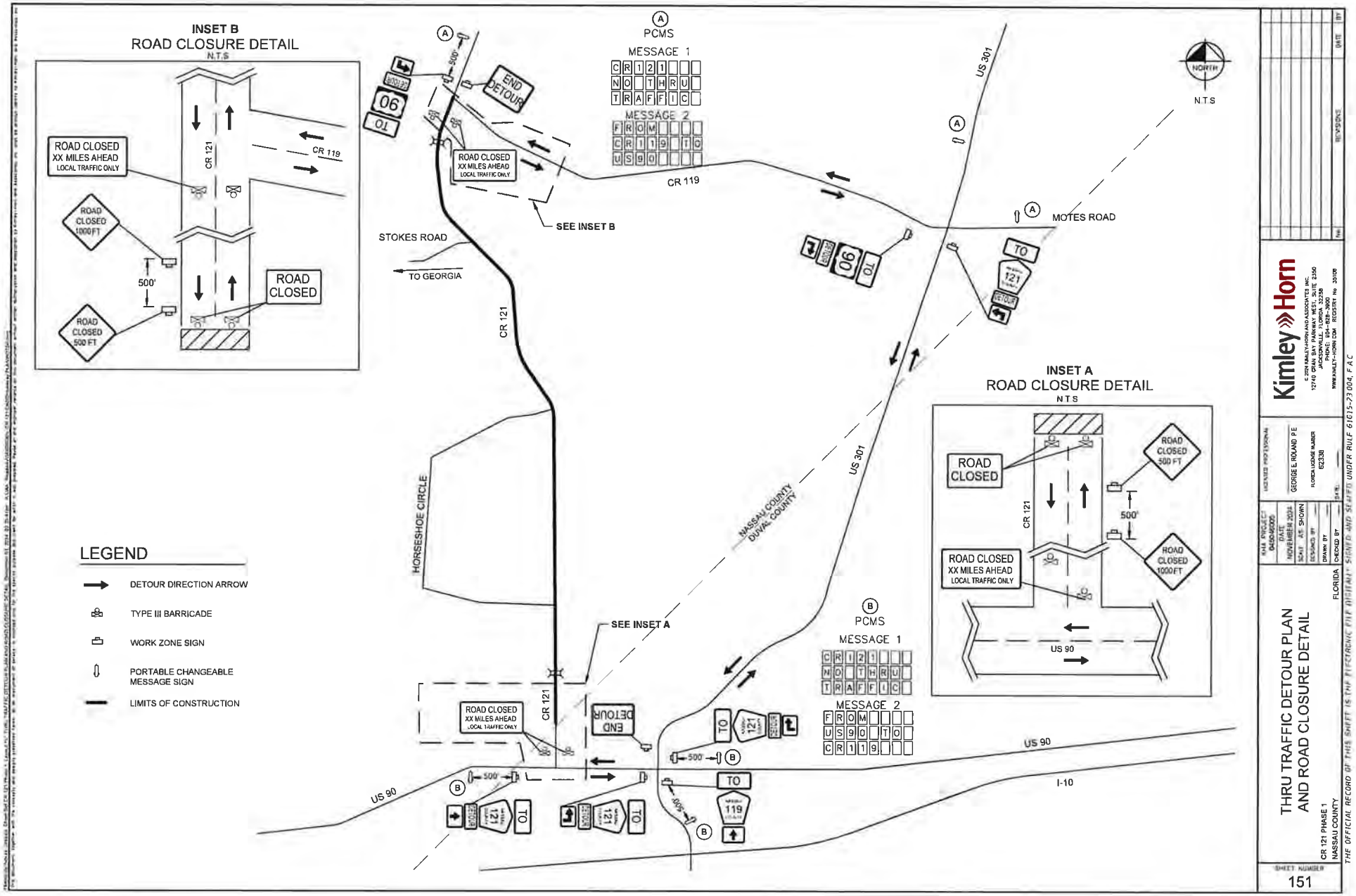
TRAFFIC CONTROL GENERAL NOTES

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
150

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THRU TRAFFIC DETOUR PLAN AND ROAD CLOSURE DETAIL

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

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JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

GEORGE E. ROAND PE
FLORIDA LICENSE NUMBER
82338

KHA PROJECT 045046000
DATE NOVEMBER 2024
SHT AS SHOWN
DESIGNED BY
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SHEET NUMBER
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BOX CULVERT DATA TABLES

BOX, HEADWALL AND CUTOFF WALL DATA TABLE (inches unless shown otherwise) — Table Date 7 01 09

LOCATION	STRUCTURE /BRIDGE NUMBER	BOX									HEADWALL AND CUTOFF WALL									
		Wc(ft)	Hc(ft)	Tt	Tw	Tb	Ti	#cells	Lc(ft)	Cover	Blhw	Hlhw	Brhw	Hrhw	Blcw	Hlcw	Brcw	Hrcw	SL(deg)	SR(deg)
STA 54+14.00	744321	12	6	14	12	14	12	2	40.1	3	18	18	18	18	12	18	12	18	0	0
STA 406+59.00	S-3	8	4	12	12	12	12	2	46	3	18	85	18	74	12	24	12	24	0	0

LEFT SIDE WINGWALLS DATA TABLE (inches unless shown otherwise) — Table Date 01 01 11

STRUCTURE /BRIDGE NUMBER	LEFT END WINGWALL									LEFT BEGIN WINGWALL								
	Rt	Rw	Rh	Rd	SW(deg)	β (deg)	He(ft)	Hs(ft)	Lw(ft)	Rt	Rw	Rh	Rd	SW(deg)	β (deg)	He(ft)	Hs(ft)	Lw(ft)
744321	14	18	30	10	105	0.01	7	7.5	11	14	18	30	10	105	0.01	7	7.5	11
S-3	30	18	63	14	90	0.01	11.1	11.1	16	30	18	63	14	90	0.01	11.1	11.1	16

RIGHT SIDE WINGWALLS DATA TABLE (inches unless shown otherwise) — Table Date 01 01 11

STRUCTURE /BRIDGE NUMBER	RIGHT END WINGWALL									RIGHT BEGIN WINGWALL								
	Rt	Rw	Rh	Rd	SW(deg)	β (deg)	He(ft)	Hs(ft)	Lw(ft)	Rt	Rw	Rh	Rd	SW(deg)	β (deg)	He(ft)	Hs(ft)	Lw(ft)
744321	14	18	30	10	105	0.01	6.8	7.3	11	14	18	30	10	105	0.01	6.8	7.3	11
S-3	30	18	63	14	90	0.01	10.2	10.2	14	30	18	63	14	90	0.01	10.2	10.2	14

ESTIMATED CONCRETE QUANTITIES (CY) — Table Date 7-01-13

STRUCTURE /BRIDGE NUMBER	BOX								LEFT END WINGWALL			LEFT BEGIN WINGWALL			RIGHT END WINGWALL			RIGHT BEGIN WINGWALL		
	Left Cutoff Wall	Right Cutoff Wall	Bottom Slab	Walls	Top Slab	Left Head Wall	Right Head Wall	Sub Total	Footing	Wall	Sub Total	Footing	Wall	Sub Total	Footing	Wall	Sub Total	Footing	Wall	Sub Total
744321	0.333	0.333	50.3	26.7	46.8	0.5	0.5	126	2.23	4.43	6.66	2.23	4.43	6.66	2.23	4.31	6.54	2.23	4.31	6.54
S-3	0.704	0.704	34.5	20.4	32.4	6.42	5.45	101	6.89	9.87	16.8	6.89	9.87	16.8	6.03	7.93	14	6.03	7.93	14

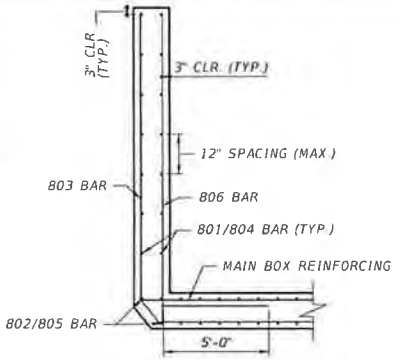
MAIN STEEL REINFORCEMENT SPACING (inches) — Table Date 7-01-09

STRUCTURE /BRIDGE NUMBER	BOX														HEADWALLS		CUTOFF WALLS	
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115 116	803	806	809	812
744321	6	8	8	6	8	8	8	8	12	12	12	12	12	12	12	6	6	8	8
S-3	6	6	6	6	12	8	12	12	12	12	12	12	12	12	12	12	12	12	12

WINGWALL STEEL REINFORCEMENT SPACING (inches) — Table Date 7-01-09

STRUCTURE /BRIDGE NUMBER	LEFT END WINGWALL							LEFT BEGIN WINGWALL							RIGHT END WINGWALL							RIGHT BEGIN WINGWALL						
	401 407(8)	402 (403)	404 (405)	406	409	410	411	501 507(8)	502 (503)	504 (505)	506	509	510	511	601 607(8)	602 (603)	604 (605)	606	609	610	611	701 707(8)	702 (703)	704 (705)	706	709	710	711
744321	8	8	12	8	8	8	8	8	8	12	8	8	8	8	8	8	12	8	8	8	8	8	8	12	8	8	8	8
S-3	8	12	8	12	8	8	8	8	12	8	12	8	8	8	8	12	8	12	8	8	8	8	12	8	12	8	8	8

WINGWALL NOTE: Bar designations in "( )" are only required for variable height wingwalls



(WORK THIS DETAIL WITH INDEX 400-289)

NOTES:

1. ENVIRONMENTAL CLASS EXTREMELY AGGRESSIVE
2. REINFORCING STEEL, GRADE 60
3. CONCRETE CLASS IV F'C = 5500 KSI
4. SOIL PROPERTIES:

S-1:
FRICTION ANGLE = 35 DEG
MODULUS OF SUBGRADE REACTION = 132,000 PCF
NOMINAL BEARING RESISTANCE = 4,200 PSF

S-3:
FRICTION ANGLE = 35 DEG
MODULUS OF SUBGRADE REACTION = 84,000 PCF
NOMINAL BEARING RESISTANCE = 4,200 PSF

5. WORK THIS DRAWING WITH STANDARD PLANS INDEX 400-289
6. SETTLEMENT CRITERIA FOR PRECAST CULVERT OPTION
LONG TERM DIFFERENTIALS SETTLEMENT: 0.4 INCHES
EFFECTIVE LENGTH FOR SETTLEMENT: 15 FEET
7. CONTRACTOR SHALL PREPARE THE BEARING AREA AS DETAILED IN THE "REPORT OF GEOTECHNICAL INVESTIGATION" CR 121 CULVERT EXTENSION, PREPARED BY ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC. REPORT NUMBER 13-54-23-02 DATED 09/06/24
8. FOR ADDITIONAL NOTES, SEE "BOX CULVERT DATA TABLES (2 OF 2)"

BRIDGE NO. 744321

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kimley»Horn
JOSEPH A. ROBERTS JR.
P.E. LICENSE NUMBER 78547
200 SOUTH ORANGE AVENUE, SUITE 600
ORLANDO, FL 32801
REGISTRY 35106

DRAWN BY IPG
CHECKED BY JAR
DESIGNED BY IPG
CHECKED BY JAR

CR 121 BOX CULVERT DESIGN

BOX CULVERT DATA TABLES (1 OF 2)

SHT. NO. S-01

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BOX CULVERT DATA TABLES

BOX, HEADWALL AND CUTOFF WALL DATA TABLE (inches unless shown otherwise) — Table Date 7-01-09

LOCATION	STRUCTURE /BRIDGE NUMBER	BOX									HEADWALL AND CUTOFF WALL									
		Wc(ft)	Hc(ft)	Tt	Tw	Tb	Ti	#cells	Lc(ft)	Cover	Blhw	Hlhw	Brhw	Hrhw	Blcw	Hlcw	Brcw	Hrcw	SL(deg)	SR(deg)
STA. 90+40.00	S-2L	8	4	12	12	12	12	2	5	3	18	17	0	0	12	24	0	0	0	0
STA. 90+40.00	S-2R	8	4	12	12	12	12	2	5	3	0	0	18	15	0	0	12	24	0	0

LEFT SIDE WINGWALLS DATA TABLE (inches unless shown otherwise) — Table Date 01 01 11

STRUCTURE /BRIDGE NUMBER	LEFT END WINGWALL									LEFT BEGIN WINGWALL								
	Rt	Rw	Rh	Rd	SW(deg)	β (deg)	He(ft)	Hs(ft)	Lw(ft)	Rt	Rw	Rh	Rd	SW(deg)	β (deg)	He(ft)	Hs(ft)	Lw(ft)
S-2L	12	18	30	12	116	0.01	4.91	5.42	7	12	18	30	12	116	0.01	4.91	5.42	7
S-2R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

RIGHT SIDE WINGWALLS DATA TABLE (inches unless shown otherwise) — Table Date 01 01 11

STRUCTURE /BRIDGE NUMBER	RIGHT END WINGWALL									RIGHT BEGIN WINGWALL								
	Rt	Rw	Rh	Rd	SW(deg)	β (deg)	He(ft)	Hs(ft)	Lw(ft)	Rt	Rw	Rh	Rd	SW(deg)	β (deg)	He(ft)	Hs(ft)	Lw(ft)
S-2L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S-2R	12	18	30	12	116	0.01	4.75	5.25	7	12	18	30	12	116	0.01	4.75	5.25	7

ESTIMATED CONCRETE QUANTITIES (CY) — Table Date 7-01-13

STRUCTURE /BRIDGE NUMBER	BOX								LEFT END WINGWALL			LEFT BEGIN WINGWALL			RIGHT END WINGWALL			RIGHT BEGIN WINGWALL		
	Left Cutoff Wall	Right Cutoff Wall	Bottom Slab	Walls	Top Slab	Left Head Wall	Right Head Wall	Sub Total	Footing	Wall	Sub Total	Footing	Wall	Sub Total	Footing	Wall	Sub Total	Footing	Wall	Sub Total
S-2L	0.704	0	5.98	3.11	4.93	0.44	0	15.2	1.56	2.01	3.56	1.56	2.01	3.56	0	0	0	0	0	0
S-2R	0	0.704	5.98	3.11	4.93	0	0.264	15	0	0	0	0	0	0	1.56	1.94	3.5	1.56	1.94	3.5

MAIN STEEL REINFORCEMENT SPACING (inches) — Table Date 7-01-09

STRUCTURE /BRIDGE NUMBER	BOX															HEADWALLS		CUTOFF WALLS	
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115, 116	803	806	809	812
S-2L	6	6	6	6	6	6	6	6	12	12	12	12	12	12	12	8	0	12	0
S-2R	6	6	6	6	6	6	6	6	12	12	12	12	12	12	12	0	8	0	12

WINGWALL STEEL REINFORCEMENT SPACING (inches) — Table Date 7-01-09

STRUCTURE /BRIDGE NUMBER	LEFT END WINGWALL							LEFT BEGIN WINGWALL							RIGHT END WINGWALL							RIGHT BEGIN WINGWALL						
	401 407(8)	402 (403)	404 (405)	406	409	410	411	501 507(8)	502 (503)	504 (505)	506	509	510	511	601 607(8)	602 (603)	604 (605)	606	609	610	611	701 707(8)	702 (703)	704 (705)	706	709	710	711
S-2L	6	12	12	12	9	9	9	6	12	12	12	9	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S-2R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	12	12	9	9	9	6	12	12	12	9	9	9

WINGWALL NOTE: Bar designations in "( )" are only required for variable height wingwalls

NOTES:

1. ENVIRONMENTAL CLASS EXTREMELY AGGRESSIVE
2. REINFORCING STEEL, GRADE 60
3. CONCRETE CLASS IV F'C = 5500 KSI
4. SOIL PROPERTIES:

   S-2L AND S-2R:
   FRICTION ANGLE = 35 DEG
   MODULUS OF SUBGRADE REACTION = 120,000 PCF
   NOMINAL BEARING RESISTANCE = 3,600 PSF

5. WORK THIS DRAWING WITH STANDARD PLANS INDEX 400-289
6. SETTLEMENT CRITERIA FOR PRECAST CULVERT OPTION
   LONG TERM DIFFERENTIALS SETTLEMENT: 0.4 INCHES
   EFFECTIVE LENGTH FOR SETTLEMENT: 15 FEET
7. CONNECTION TYPE PERMITTED FOR CULVERT EXTENSION = TYPE IOR TYPE II
8. QUANTITIES FOR TYPE I AND TYPE II CONNECTIONS INCLUDE 2 FEET ADDITIONAL LENGTH BEYOND Lc FOR CONNECTION TO EXISTING BOX CULVERT
9. DEWATERING IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SHALL BE ANTICIPATED TO PREPARE A STABLE SURFACE CONDITION FOR CONSTRUCTION OF THE PROPOSED CULVERT STRUCTURES COST OF SUCH DEWATERING SHALL BE INCIDENTAL TO THE PAY ITEM FOR THE CONSTRUCTION OF THE PROPOSED CULVERT STRUCTURES
10. ALL COSTS ASSOCIATED WITH TEMPORARY NON-CRITICAL SHEET PILING NOT SHOWN IN THE PLANS, IF NEEDED TO PERFORM EXCAVATIONS AND FACILITATE DEWATERING, SHALL BE INCIDENTAL TO THE PAY ITEM FOR THE CONSTRUCTION OF THE PROPOSED CULVERT STRUCTURES.
11. IF THE CONTRACTOR PROPOSES THE PRECAST CONCRETE BOX CULVERT OPTION, CONTRACTOR MUST PROVIDE LINK SLABS, AS PER INDEX 400-291

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kimley»Horn
JOSEPH A. ROBERTS JR.
P.E. LICENSE NUMBER 78547
200 SOUTH ORANGE AVENUE, SUITE 600
ORLANDO, FL 32801
REGISTRY 35106

DRAWN BY JPG
CHECKED BY JAR
DESIGNED BY JPG
CHECKED BY JAH

CR 121 BOX CULVERT DESIGN

BOX CULVERT DATA TABLES (2 OF 2)

SHT. NO. S-02

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MARK SIZE	MARK DES	LENGTH FT	LENGTH IN	NO BARS	TYP BAR	STY A	STY G	B FT	B IN	B FR	C FT	C IN	C FR	D FT	D IN	D FR	E FT	E IN	E FR	F FT	F IN	F FR	H FT	H IN	H FR	J FT	J IN	J FR	K FT	K IN	K FR	N NO	Ø ANG
LOCATION MAIN BOX																				NO. REQUIRED = 1													
7	101	26	6	81	1			26	6																								
6	102	26	6	61	1			26	6																								
6	103	26	6	65	1			26	6																								
6	104	26	6	87	1			26	6																								
6	105	6	11	120	10			2	0		4	11																					
6	106	6	11	120	10			2	0		4	11																					
6	107	5	11	240	10			1	0		4	11																					
6	108	7	9	120	1			7	9																								
6	109	42	7	28	1			42	7																								
6	110	39	7	28	1			39	7																								
6	111	38	11	28	1			38	11																								
6	112	42	7	28	1			42	7																								
6	113	39	7	14	1			39	7																								
6	114	39	7	14	1			39	7																								
6	115	38	11	14	1			38	11																								
LOCATION LEFT END WINGWALL																				NO. REQUIRED = 1													
4	401	6	9	17	1			6	9																								
5	402	10	6	12	1			10	6																								
5	404	10	6	8	1			10	6																								
5	406	6	9	12	1			6	9																								
4	407	4	1	17	10			2	2		1	11																					
4	409	4	8	17	1			4	8																								
5	410	4	8	17	1			4	8																								
5	411	10	6	16	1			10	6																								
5	412	2	0	12	1			2	0																								
LOCATION LEFT BEGIN WINGWALL																				NO. REQUIRED = 1													
4	501	6	9	17	1			6	9																								
5	502	10	6	12	1			10	6																								
5	504	10	6	8	1			10	6																								
5	506	6	9	12	1			6	9																								
4	507	4	1	17	10			2	2		1	11																					
4	509	4	8	17	1			4	8																								
5	510	4	8	17	1			4	8																								
5	511	10	6	16	1			10	6																								
5	512	2	0	12	1			2	0																								
LOCATION RIGHT END WINGWALL																				NO. REQUIRED = 1													
4	601	6	6	17	1			6	6																								
5	602	10	6	11	1			10	6																								
5	604	10	6	8	1			10	6																								
5	606	6	6	12	1			6	6																								
4	607	4	1	17	10			2	2		1	11																					
4	609	4	8	17	1			4	8																								
5	610	4	8	17	1			4	8																								
5	611	10	6	16	1			10	6																								
5	612	2	0	12	1			2	0																								
LOCATION RIGHT BEGIN WINGWALL																				NO. REQUIRED = 1													
4	701	6	6	17	1			6	6																								
5	702	10	6	11	1			10	6																								
5	704	10	6	8	1			10	6																								
5	706	6	6	12	1			6	6																								
4	707	4	1	17	10			2	2		1	11																					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

Kimley»Horn
JOSEPH A. ROBERTS JR.
P.E. LICENSE NUMBER 78547
200 SOUTH ORANGE AVENUE, SUITE 600
ORLANDO, FL 32801
REGISTRY 35106

DRAWN BY	IPC
CHECKED BY	JAH
DESIGNED BY	IPC
CHECKED BY	JAH

CR 121 BOX CULVERT DESIGN

S-1 REINFORCING BAR LIST (1 OF 2)

SHT NO. S-03

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MARK		LENGTH	NO	TYP	STY			B	C	D	E	F	H	J	K	N	Ø
SIZE	DES	FT IN	BARS	BAR	A	G		FT IN FR	FT IN FR	FT IN FR	FT IN FR	FT IN FR	FT IN FR	FT IN FR	FT IN FR	NO	ANG
4	709	4- 8	17	1				4- 8									
5	710	4- 8	17	1				4- 8									
5	711	10- 6	16	1				10- 6									
5	712	2- 0	12	1				2- 0									
LOCATION LEFT HEADWALL												NO. REQUIRED = 1					
8	801	26- 6	3	1				26- 6									
8	802	26- 6	3	1				26- 6									
4	803	4- 3	54	27				0-11	0- 6	0- 6	0- 4	0- 6	0-10	0-10			
LOCATION RIGHT HEADWALL												NO. REQUIRED = 1					
8	804	26- 6	3	1				26- 6									
8	805	26- 6	3	1				26- 6									
4	806	4- 3	54	27				0-11	0- 6	0- 6	0- 4	0- 6	0-10	0-10			
LOCATION LEFT CUTOFF WALL												NO. REQUIRED = 1					
5	807	26- 6	2	1				26- 6									
5	808	26- 6	2	1				26- 6									
3	809	3- 4	41	7				0-11	0- 6	0- 6	0- 6						
LOCATION RIGHT CUTOFF WALL												NO. REQUIRED = 1					
5	810	26- 6	2	1				26- 6									
5	811	26- 6	2	1				26- 6									
3	812	3- 4	41	7				0-11	0- 6	0- 6	0- 6						

END OF LIST

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kimley»Horn
JOSEPH A. ROBERTS JR.
P.E. LICENSE NUMBER 78547
200 SOUTH ORANGE AVENUE, SUITE 600
ORLANDO, FL 32801
REGISTRY 35106

DRAWN BY	TPC
CHECKED BY	JAR
DESIGNED BY	TPC
CHECKED BY	JAR

CR 121 BOX CULVERT DESIGN

5-1 REINFORCING BAR LIST (2 OF 2)

SHT NO.
S-04

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MARK SIZE	MARK DES	LENGTH FT	LENGTH IN	NO BARS	TYP BAR	STY A	STY G	B FT	B IN	B FR	C FT	C IN	C FR	D FT	D IN	D FR	E FT	E IN	E FR	F FT	F IN	F FR	H FT	H IN	H FR	J FT	J IN	J FR	K FT	K IN	K FR	N NO	Ø ANG
LOCATION MAIN BOX																																NO. REQUIRED = 1	
6	101	18	6	14	1			18	6																								
5	102	18	6	14	1			18	6																								
5	103	18	6	17	1			18	6																								
5	104	18	6	17	1			18	6																								
5	105	5	3	26	10			1	8		3	7																					
5	106	5	3	26	10			1	8		3	7																					
5	107	4	5	52	10			0	10		3	7																					
5	108	5	6	26	1			5	6																								
5	109	8	0	20	1			8	0																								
5	110	6	6	20	1			6	6																								
5	111	6	2	20	1			6	2																								
5	112	8	0	20	1			8	0																								
5	113	6	6	10	1			6	6																								
5	114	6	6	10	1			6	6																								
5	115	5	10	10	1			5	10																								
LOCATION LEFT END WINGWALL																																NO. REQUIRED = 1	
5	401	4	8	14	1			4	8																								
5	402	6	6	6	1			6	6																								
5	404	6	6	6	1			6	6																								
5	406	4	8	8	1			4	8																								
5	407	4	5	14	10			2	0		2	5																					
5	409	4	6	10	1			4	6																								
5	410	4	6	10	1			4	6																								
5	411	6	6	14	1			6	6																								
5	412	2	0	9	1			2	0																								
LOCATION LEFT BEGIN WINGWALL																																NO. REQUIRED = 1	
5	501	4	8	14	1			4	8																								
5	502	6	6	6	1			6	6																								
5	504	6	6	6	1			6	6																								
5	506	4	8	8	1			4	8																								
5	507	4	5	14	10			2	0		2	5																					
5	509	4	6	10	1			4	6																								
5	510	4	6	10	1			4	6																								
5	511	6	6	14	1			6	6																								
5	512	2	0	9	1			2	0																								
LOCATION LEFT HEADWALL																																NO. REQUIRED = 1	
6	801	18	6	3	1			18	6																								
6	802	18	6	3	1			18	6																								
3	803	4	1	29	27			0	10		0	6		0	6		0	4		0	5		0	10		0	10						
LOCATION LEFT CUTOFF WALL																																NO. REQUIRED = 1	
4	807	18	6	2	1			18	6																								
4	808	18	6	2	1			18	6																								
3	809	4	4	19	7			1	5		0	6		0	6		0	6															

END OF LIST

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

Kimley»Horn
JOSEPH A. ROBERTS JR.
P.E. LICENSE NUMBER 78547
200 SOUTH ORANGE AVENUE, SUITE 600
ORLANDO, FL 32801
REGISTRY 35106

DRAWN BY	CHECKED BY	DESIGNED BY	CHECKED BY
IPG	JAR	IPG	JAR

CR 121 BOX CULVERT DESIGN

S-2L REINFORCING BAR LIST

SHT. NO
S-05

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MARK SIZE	MARK DES	LENGTH FT	LENGTH IN	NO BARS	TYP BAR	STY A	STY G	B FT	B IN	B FR	C FT	C IN	C FR	D FT	D IN	D FR	E FT	E IN	E FR	F FT	F IN	F FR	H FT	H IN	H FR	J FT	J IN	J FR	K FT	K IN	K FR	N NO	Ø ANG
LOCATION MAIN BOX																																NO. REQUIRED = 1	
LOCATION MAIN BOX																																NO. REQUIRED = 1	
6	101	18	6	14	1			18	6																								
5	102	18	6	14	1			18	6																								
6	103	18	6	17	1			18	6																								
6	104	18	6	17	1			18	6																								
5	105	5	3	26	10			1	8		3	7																					
5	106	5	3	26	10			1	8		3	7																					
5	107	4	5	52	10			0	10		3	7																					
5	108	5	6	26	1			5	6																								
5	109	8	0	20	1			8	0																								
5	110	6	6	20	1			6	6																								
5	111	6	2	20	1			6	2																								
5	112	8	0	20	1			8	0																								
5	113	6	6	10	1			6	6																								
5	114	6	6	10	1			6	6																								
5	115	5	10	10	1			5	10																								
LOCATION RIGHT END WINGWALL																																NO. REQUIRED = 1	
5	601	4	6	14	1			4	6																								
5	602	6	6	6	1			6	6																								
5	604	6	6	6	1			6	6																								
5	606	4	6	8	1			4	6																								
5	607	4	5	14	10			2	0		2	5																					
5	609	4	6	10	1			4	6																								
5	610	4	6	10	1			4	6																								
5	611	6	6	14	1			6	6																								
5	612	2	0	9	1			2	0																								
LOCATION RIGHT BEGIN WINGWALL																																NO. REQUIRED = 1	
5	701	4	6	14	1			4	6																								
5	702	6	6	6	1			6	6																								
5	704	6	6	6	1			6	6																								
5	706	4	6	8	1			4	6																								
5	707	4	5	14	10			2	0		2	5																					
5	709	4	6	10	1			4	6																								
5	710	4	6	10	1			4	6																								
5	711	6	6	14	1			6	6																								
5	712	2	0	9	1			2	0																								
LOCATION RIGHT HEADWALL																																NO. REQUIRED = 1	
6	804	18	6	3	1			18	6																								
6	805	18	6	3	1			18	6																								
3	806	3	9	29	27			0	8		0	6		0	6		0	4		0	3		0	10		0	10						
LOCATION RIGHT CUTOFF WALL																																NO. REQUIRED = 1	
4	810	18	6	2	1			18	6																								
4	811	18	6	2	1			18	6																								
3	812	4	4	19	7			1	5		0	6		0	6		0	6															

END OF LIST

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

Kimley»Horn
JOSEPH A ROBERTS JR.
P E LICENSE NUMBER 78547
200 SOUTH ORANGE AVENUE SUITE 600
ORLANDO, FL 32801
REGISTRY 35106

DRAWN BY	CHECKED BY	DESIGNED BY	CHECKED BY
JPG	JAR	JPG	JAR

CR 121 BOX CULVERT DESIGN

S-2R REINFORCING BAR LIST

SHT NO
S-06

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MARK SIZE	MARK DES	LENGTH FT	LENGTH IN	NO BARS	TYP BAR	STY A	STY G	B FT	B IN	B FR	C FT	C IN	C FR	D FT	D IN	D FR	E FT	E IN	E FR	F FT	F IN	F FR	H FT	H IN	H FR	J FT	J IN	J FR	K FT	K IN	K FR	N NO	Ø ANG
LOCATION MAIN BOX																				NO. REQUIRED = 1													
5	101	18	6	92	1			18	6																								
5	102	18	6	92	1			18	6																								
5	103	18	6	98	1			18	6																								
5	104	18	6	98	1			18	6																								
5	105	5	3	92	10			1	8		3	7																					
5	106	5	3	138	10			1	8		3	7																					
3	107	3	10	184	10			0	6		3	4																					
3	108	5	6	92	1			5	6																								
5	109	48	6	20	1			48	6																								
5	110	48	6	20	1			48	6																								
5	111	44	10	20	1			44	10																								
5	112	48	6	20	1			48	6																								
5	113	45	6	10	1			45	6																								
5	114	45	6	10	1			45	6																								
5	115	44	10	10	1			44	10																								
LOCATION LEFT END WINGWALL																				NO. REQUIRED = 1													
5	401	10	10	25	1			10	10																								
5	402	15	6	12	1			15	6																								
5	404	15	6	18	1			15	6																								
5	406	10	10	25	1			10	10																								
5	407	6	1	25	10			3	6		2	7																					
5	409	8	9	25	1			8	9																								
5	410	8	9	25	1			8	9																								
5	411	15	6	30	1			15	6																								
5	412	2	0	17	1			2	0																								
LOCATION LEFT BEGIN WINGWALL																				NO. REQUIRED = 1													
5	501	10	10	25	1			10	10																								
5	502	15	6	12	1			15	6																								
5	504	15	6	18	1			15	6																								
5	506	10	10	25	1			10	10																								
5	507	6	1	25	10			3	6		2	7																					
5	509	8	9	25	1			8	9																								
5	510	8	9	25	1			8	9																								
5	511	15	6	30	1			15	6																								
5	512	2	0	17	1			2	0																								
LOCATION RIGHT END WINGWALL																				NO. REQUIRED = 1													
5	601	9	11	22	1			9	11																								
5	602	13	6	11	1			13	6																								
5	604	13	6	16	1			13	6																								
5	606	9	11	22	1			9	11																								
5	607	6	1	22	10			3	6		2	7																					
5	609	8	9	22	1			8	9																								
5	610	8	9	22	1			8	9																								
5	611	13	6	30	1			13	6																								
5	612	2	0	16	1			2	0																								
LOCATION RIGHT BEGIN WINGWALL																				NO. REQUIRED = 1													
5	701	9	11	22	1			9	11																								
5	702	13	6	11	1			13	6																								
5	704	13	6	16	1			13	6																								
5	706	9	11	22	1			9	11																								
5	707	6	1	22	10			3	6		2	7																					

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

Kimley»Horn
JOSEPH A. ROBERTS JR.
P.E. LICENSE NUMBER 78547
200 SOUTH ORANGE AVENUE, SUITE 600
ORLANDO, FL 32801
REGISTRY 35106

DRAWN BY	JPG
CHECKED BY	JAR
DESIGNED BY	JPG
CHECKED BY	JAR

CR 121 BOX CULVERT DESIGN

S-3 REINFORCING BAR LIST (1 OF 2)

SHT. NO. S-07

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MARK SIZE	MARK DES	LENGTH FT	LENGTH IN	NO BARS	TYP BAR	STY A	STY G	B FT	B IN	B FR	C FT	C IN	C FR	D FT	D IN	D FR	E FT	E IN	E FR	F FT	F IN	F FR	H FT	H IN	H FR	J FT	J IN	J FR	K FT	K IN	K FR	N NO	Φ ANG
5	709	8	9	22	1			8	9																								
5	710	8	9	22	1			8	9																								
5	711	13	6	30	1			13	6																								
5	712	2	0	16	1			2	0																								
LOCATION LEFT HEADWALL																				NO. REQUIRED = 1													
5	801	18	6	16	1			18	6																								
5	802	18	6	2	1			18	6																								
5	803	15	5	19	10			8	0		5	0																					
5	806	12	4	19	10			7	3		5	0																					
LOCATION RIGHT HEADWALL																				NO. REQUIRED = 1													
5	803	11	2	19	10			6	11		5	0																					
5	804	18	6	14	1			18	6																								
5	805	18	6	2	1			18	6																								
5	806	13	7	19	10			6	2		5	0																					
LOCATION LEFT CUTOFF WALL																				NO. REQUIRED = 1													
5	807	18	6	2	1			18	6																								
5	808	18	6	2	1			18	6																								
3	809	4	4	19	7			1	5		0	6		0	6		0	6															
LOCATION RIGHT CUTOFF WALL																				NO. REQUIRED = 1													
5	810	18	6	2	1			18	6																								
5	811	18	6	2	1			18	6																								
3	812	4	4	19	7			1	5		0	6		0	6		0	6															

END OF LIST

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

Kimley»Horn
JOSEPH A ROBERTS JR.
PE LICENSE NUMBER 78547
200 SOUTH ORANGE AVENUE SUITE 600
ORLANDO, FL 32801
REGISTRY 35106

DRAWN BY TPG
CHECKED BY JAH
DESIGNED BY TPG
CHECKED BY JAH

CR 121 BOX CULVERT DESIGN

S-3 REINFORCING BAR LIST (2 OF 2)

SHT. NO. S-08

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Load Rating Summary Details for Reinforced Concrete Bridge Culverts (Box and Three-Sided Culvert)

Table Date 01-01-11

TABLE 2 - LRFR

LEVEL	LIMIT STATE	VEHICLE	WEIGHT (TONS)	LOAD FACTORS			MOMENT (STRENGTH)					SHEAR (STRENGTH)					COMMENTS:
				LL	DC	DW	UNFACTORED RATIO LL / PERMANENT LOADS	RATING FACTOR	TONS	LOCATION	DIMENSION	UNFACTORED RATIO LL / PERMANENT LOADS	RATING FACTOR	TONS	LOCATION	DIMENSION	WHEEL LOAD DISTRIBUTION METHOD IF OTHER THAN LRFD. OTHER APPROPRIATE COMMENTS.
DESIGN LOAD RATING	STRENGTH I (INV)	HL-93	N/A	1.75	1.25	1.50	2.97	1.51	N/A	A	7.0 FT	3.19	1.21	N/A	B	12.0 FT	
	STRENGTH I (OP)	HL-93	N/A	1.35	1.25	1.50	2.47	2.35	N/A	A	7.0 FT	2.66	1.88	N/A	B	12.0 FT	
PERMIT LOAD RATING	STRENGTH II	FL120	60.0	1.35	1.25	1.50	4.65	1.25	74.93	A	7.0 FT	4.07	1.23	73.86	B	12.0 FT	

GENERAL NOTES:
1. THIS TABLE IS BASED ON THE REQUIREMENTS ESTABLISHED IN THE JANUARY 2024 "STRUCTURES MANUAL"

TABLE 2 NOTES:
1. PERMIT CAPACITY IS DETERMINED BY USING THE PERMIT VEHICLE IN ALL LANES
2. DOES THE DEPTH OF FILL ABOVE THE TOP SLAB EXCEED THE SPAN LENGTH BETWEEN THE INSIDE FACES OF THE END WALLS (BRIDGE CULVERT TOTAL SPAN LENGTH)? ☐ YES ☒ NO
3. LOAD RATING CALCULATED USING FDOT BOX CULVERT V5.3 MATHCAD PROGRAM RELEASED 03/02/2022

ABBREVIATIONS:

DL - DEAD LOAD (LFR)

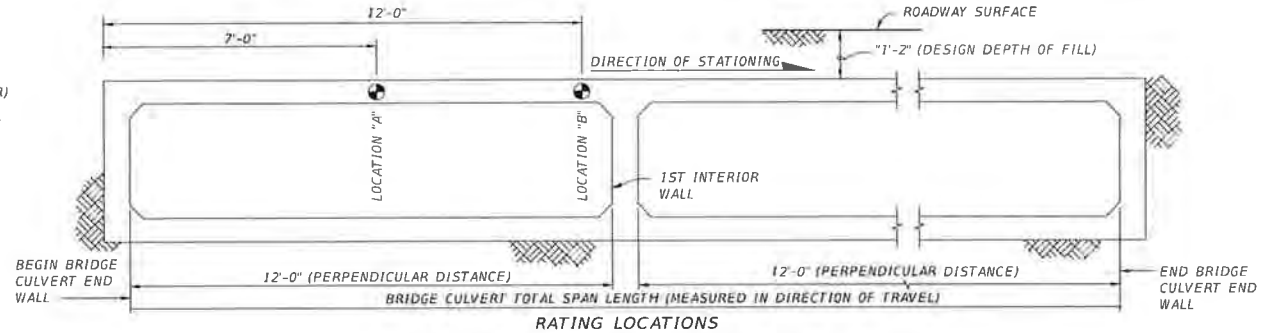
DC - COMPONENT DEAD LOAD (LRFR)

DW - WEARING SURFACE & UTILITY DEAD LOAD (LRFR)

LL - LIVE LOAD

INV - INVENTORY

OP - OPERATING



RATING LOCATIONS

BRIDGE NO. 744321

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kimley»Horn
JOSEPH A. ROBERTS JR.
P.E. LICENSE NUMBER 78547
200 SOUTH ORANGE AVENUE, SUITE 600
ORLANDO, FL 32801
REGISTRY 35106

DRAWN BY	IPG
CHECKED BY	JAR
DESIGNED BY	IPG
CHECKED BY	JAR

CR 121 BOX CULVERT DESIGN

LOAD RATING DATA TABLES

SHT. NO. S-09

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REPORT OF
GEOTECHNICAL INVESTIGATION

CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

Prepared For:

KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST
SUITE 2350
JACKSONVILLE, FLORIDA 32258

Prepared By:

ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
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November 2023
13-54-23-01

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

November 1, 2023

EGS File Number: 13-54-23-01

Kimley-Horn and Associates, Inc.
12740 Gran Bay Parkway West
Suite 2350
Jacksonville, Florida 32256

ATTN: Earl Wills, P.E.
Project Manager

SUBJECT: **Report of Geotechnical Investigation**
CR 121 Pavement Evaluation and Widening
From Duval County Line to CR 119
Nassau County, Florida

Environmental and Geotechnical Specialists, Inc. (**EGS**) has completed the Geotechnical Investigation, as authorized by Kimley-Horn and Associates, Inc. (**KHA**), associated with proposed roadway improvements along a segment of CR 121 extending from the Duval County line to CR 119 in Nassau County, Florida. Based on preliminary discussions, **EGS** understands the proposed roadway improvements generally consist of rehabilitation of the existing distressed roadway pavement present throughout a majority of the project limits and minor roadway widening at the Stokes Road and CR 119 intersections.

This Report includes a summary of the subsurface investigation conducted for this project, evaluation of field and laboratory test data, pavement and soil conditions encountered, groundwater measurements, estimated "normal" seasonal high groundwater values, conclusions concerning the likely cause of the existing pavement distress, geotechnical recommendations, and construction considerations.

SCOPE OF SERVICES

The Scope of Services authorized for this project consisted of the following:

- Performance of 79 pavement cores coupled with hand auger soil borings in the travel lanes to evaluate the existing pavement, base, and subgrade conditions within the project limits;
- Performance of 5 Standard Penetration Test (**SPT**) soil borings to an approximate depth of 20 feet below grade to evaluate the presence of any organic soils or other unsuitable materials which may be attributing to the existing pavement distress;
- Performance of 5 hand auger soil borings to an approximate depth of 5.5 feet below grade to evaluate the subsurface conditions below the proposed roadway widening areas;
- Collection of 5 bulk soil samples and performance of Limerock Bearing Ratio (**LBR**) testing to determine embankment strength properties;

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- Performance of routine laboratory testing of representative soil samples to classify the subsoils;
- Classification of existing pavement layers, base materials, and structural coefficients to estimate the Existing Structural Number (**SN_E**);
- Development of conclusions concerning the likely cause of the pavement distress, geotechnical recommendations, and construction considerations; and,
- Preparation of this Report.

SITE LOCATION AND CONDITIONS

In general, the project site consists of a segment of the existing CR 121 roadway, beginning at the Duval County line and extending approximately 7.5 miles north to the CR 119 intersection. A Project Location Map is provided as **Figure 1**.

Prior to beginning the field investigation, **EGS** personnel performed a preliminary "desktop" review of the available site condition data. To facilitate the preliminary review, a copy of the United States Geological Survey (**USGS**) Topographic Map contours were superimposed on a recent aerial image of the project area which has been included as **Figures 2A** through **2E**. As depicted in the **Figures**, the project site is relatively flat with an elevation of the natural ground ranging from approximate EL 70 feet to EL 85 feet throughout a majority of the project limits. At the crossings with Brandy Branch and an unnamed tributary of the St. Marys River, the elevation of the natural ground dips down to EL 50 feet. Based on a review of nearby water bodies, groundwater was anticipated to likely exist within 5 feet of existing grade throughout most of the project limits.

After completion of the preliminary "desktop" review, **EGS** personnel traveled to the project site to observe the existing field conditions. In general, the existing roadway consists of 1 northbound and 1 southbound asphalt paved travel lane, with paved shoulders extending beyond the outside lane lines in some locations. The existing roadway pavement appeared to be in poor condition, as evidenced by the visibly "severe" surface cracking and wheel path rutting observed throughout most of the project length. The roadway corridor appeared to receive relatively low to moderate levels of vehicular traffic, with a significant percentage of traffic consisting of large trucks. It should be noted that isolated locations of standing water along the roadway shoulders were observed during the field review, which supports the believe that groundwater generally exists at relatively shallow depths following periods of prolonged rainfall. The area surrounding the project corridor was primarily being utilized for silviculture (i.e., tree farms) with some intermittent residential developments present. Photographs of the existing site conditions have been provided as **Figures 3A** through **3F**.

Based on preliminary discussions with **KHA** and Nassau County personnel, **EGS** understands that in 2005 a full depth reclamation program was performed along most of the project length, except for a segment extending from approximately 1,500 feet south to 1,800 feet north of Brandy Branch, in an effort to address pavement distress issues at the time while also limiting temporary traffic control impacts due to construction.

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In general, full depth reclamation consists of performance of deep milling and temporary removal of the existing asphalt and base material, followed by on-site blending of the removed cuttings with a binder agent to increase the strength and bond of the composite material. The blended composite material is then placed back onto the milled surface and compacted to serve as a strengthened base layer below new structural asphalt. It should be noted that this method of stabilization can be extremely sensitive to subsurface variations of the in-situ materials and often requires several mix designs be developed in cases where homogeneous subsurface conditions are not present. An inadequate mix design often may be characterized by the presence of a highly "bonded" composite material that performs excessively stiff, resulting in subsurface fracturing and bottom-up reflective cracking of the overlying asphalt, or by the presence of a weak or "unbonded" composite material that is unable to adequately resist wheel path rutting.

EGS understands that after completion of the full depth reclamation program in 2005, severe pavement delamination, wheel path rutting, and intermittent cracking occurred throughout most of the project area over subsequent years, which resulted in a need for frequent milling and resurfacing to maintain a uniform roadway surface.

SUBSURFACE INVESTIGATION

The subsurface investigation outlined in this Report was conducted in May and June 2023. Katherine Morales, P.E., served as the Geotechnical Project Manager and Matthew Landschoot, P.E., served as the Senior Geotechnical Engineer of Record. Additional project oversight and quality assurance / quality control (**QA/QC**) was provided by Chandra Samakur, P.E., Senior Geotechnical Engineer.

EGS performed a total of 79 pavement cores on approximate 500-foot centers along the roadway alignment within the existing travel lanes using **EGS**' pavement coring rotary drill in accordance with the Florida Department of Transportation (**FDOT**) *Materials Manual Section 3.2 – Flexible Pavement Coring and Evaluation*. After installing each pavement core, **EGS** field personnel recorded the base material type underlying the surficial asphalt pavement, and advanced a hand-auger soil boring coupled with Cone Penetrometer Index (**CPI**) tests to depths ranging from 2.5 to 5.5 feet below existing grade to evaluate the thickness and strength of base, subgrade, and subsoil materials.

Additionally, **EGS** installed 5 **SPT** soil borings to a depth of 20 feet below the existing ground surface in select areas to check for deeper unsuitable materials, and 5 hand auger soil borings to a depth of 5.5 feet below the existing ground surface to evaluate conditions below the proposed roadway widening areas. Soil borings were performed using both manual hand auger techniques and a truck mounted rotary drill rig equipped with an automatic hammer. To avoid impact to mismarked utilities, hand auger sampling coupled with Static Cone Penetrometer (**CPI**) tests was performed continuously to a depth of 5.5 feet below grade. Below 5.5 feet, **SPT**s were conducted continuously to a depth of 12 feet below grade, and then on 2.5-foot intervals thereafter until reaching the boring termination depth.

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To facilitate uniformity of the subsurface data, the **CPI** "**C**" values have been converted to equivalent **SPT** "**N**" values using the correlation "**N**" = "**C**"/4. The pavement coring and soil boring location data is provided in **TABLE 1**, and depicted on the Soil Boring Location Map included as **Figures 4A** through **4G**.

Soil samples were collected and classified in the field by **EGS** personnel, and then sealed and transported to **EGS**' Geotechnical Laboratory for testing. The laboratory testing included water contents, grain-size distributions, Atterberg Limits, organic contents, **LBR** tests, and corrosion series. The soil borings were classified with respect to the American Association of State Highway and Transportation Officials (**AASHTO**) Soil Classification System.

The results of the field and laboratory testing are summarized on the *Roadway Soil Survey* and *Report of Soil Boring* plan sheets provided in **APPENDIX A**, with detailed Soil Classification Data provided in **APPENDIX B**.

GENERAL PAVEMENT CONDITIONS

As previously noted, prior attempts to stabilize the existing pavement by surficial means (i.e., full depth reclamation with asphalt overbuild) have not performed in a manner consistent with normal design expectations. At the time of this study, **EGS** field personnel observed various types of "**severe**" pavement cracking, raveling, spalling, shoving, wheel path rutting, and patching. In general, most of the pavement observed during this study was in "**poor**" condition.

The detailed pavement core measurements, conditions, and locations are summarized in the standard format **FDOT** Pavement Evaluation Coring and Condition Data sheet provided as **APPENDIX C**. In addition to estimated pavement layer data, the corresponding base material type, visual observations, crack depths, rut depths, and measured cross slopes have been included.

For the purposes of this study, the blended composite material resulting from the full depth reclamation program have been identified herein as "Recycled Asphalt Stabilization" (**RAS**) where encountered. The **RAS** layer has been categorized either as "**bonded**" (i.e., material retained bond after core extraction), or as "**unbonded**" (i.e., material comprised of free aggregates separating after extraction).

Photographs of each pavement core and the corresponding field conditions at each core location have been provided in **APPENDIX D** as **Figures D1** through **D158**. A representative photograph of the bonded **RAS** is provided as **Figure D80**. Additionally, representative photographs of the limerock base and unbonded **RAS** base materials are provided as **Figures D159** and **D160**.

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Pavement, Base, and Subgrade – In general, the existing asphalt thickness varies from approximately 2.5 to 5.4 inches. With exception to Soil Boring **PK-42** through **PK-48**, the base layer encountered consists of **RAS**, varying in thickness from 3.5 to 8.8 inches. At Cores **PK-42** through **PK-48**, a limerock base (without **RAS**) exists, varying in thickness from 7.7 to 13.5 inches. The average Existing Layer Thickness of each pavement and base layer have been provided in **TABLE 2**.

The subgrade primarily consists of silty fine sand with less than (<) 20% passing the No. 200 sieve (**A-2-4** / **STRATUM 1**), with pockets of fine sand (**A-3** / **STRATUM 1**) and silty fine sand with greater than or equal to (≥) 20% passing the No. 200 sieve (**A-2-4** / **STRATUM 2**). Additionally, it should be noted that the subgrade material consisted of silty fine sand with slight organics (**A-2-4** / **STRATUM 4**) at Soil Boring **PK-8** and **PK-13**.

To facilitate review of spatial variability, the level of observed pavement distress (i.e., **Good**, **Fair**, and **Poor**), asphalt thickness, and base thickness have been depicted on the Soil Boring Location Map provided as **Figures 4A** through **4G**.

GENERAL SUBSURFACE CONDITIONS

Soils – As depicted in the *Roadway Soil Survey* and the *Report of Soil Borings*, the soils encountered during this investigation consisted primarily of fine to silty fine sand (**A-3**, **A-2-4** / **STRATA 1** and **2**), with isolated layers of clayey fine to clayey sand (**A-2-6**, **A-6** / **STRATUM 3**). Pockets of silty fine sand with organics (**A-2-4** / **STRATUM 4**) were encountered at several boring locations throughout the project limits, ranging from depths of 1.0 to 5.5 feet below existing grade. Additionally, organic silty fine sand (**A-2-4** / **STRATUM 5**) was encountered at Soil Borings **SK-3** and **SK-5**, ranging from the ground surface to a depth of 4.5 feet below existing grade. It should be noted that an obstruction was encountered at Soil Boring **PK-79** at a depth of 2.5 feet below existing grade.

Groundwater – To facilitate use of groundwater data, **TABLE 1** includes a summary of the measured 24-hour groundwater levels and the estimated depth to "normal" seasonal high groundwater. Additionally, the measured and estimated "normal" seasonal high groundwater are shown graphically on the *Report of Soil Borings* provided in **APPENDIX A**. As indicated in the **TABLE** and **APPENDIX**, groundwater was encountered from depths ranging from 2.5 feet to greater than (>) 5.5 feet below existing grade, and "normal" seasonal high groundwater was estimated to exist within 3 feet of the existing base at most soil boring locations.

NRCS Soil Survey – As part of this investigation, **EGS** reviewed the *United States Department of Agriculture* (**USDA**) *Natural Resources Conservation Service's* (**NRCS**) Soil Survey of Nassau County. The soils reported in the **NRCS** Soil Survey are fairly consistent with the soils encountered during the field investigation. It should be noted, however, that the **NRCS** Soil Survey is used as an approximation of likely soils within the project area. Slight variations in soil properties will occur when comparing data from the **NRCS** Soil Survey and data obtained in the field.

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To correlate the properties summarized in the **NRCS** Soil Survey, **EGS** has provided **TABLE 3**, which includes the **NRCS** material number, name, and other pertinent data for each material reported within the project limits. Additionally, **Figures E1** through **E5**, as well as copies of selected **TABLES** from the **NRCS** Soil Survey have been provided in **APPENDIX E**.

Environmental Classification – For this study, 5 soil samples were collected to analyze their aggressiveness with respect to corrosion. The results of the corrosivity tests are summarized in **TABLE 4**. As indicated in the **TABLE**, the recommended environmental classification for the substructure is "**EXTREMELY AGGRESSIVE**" with respect to both the corrosion of steel and concrete.

LBR – For this study, **EGS** collected representative samples of existing "SELECT" soils (**STRATA 1** and **2**) within 2 feet of the existing ground surface for **LBR** testing. All soil samples for the **LBR** tests were collected within 5 feet of the soil boring location corresponding to the **LBR** test number. The **LBR** samples collected were found to be comprised of fine to silty fine sand (**A-3**, **A-2-4** / **STRATA 1** and **2**), which are defined as "SELECT" soils by the **FDOT**. The **LBR** tests were performed in accordance with **FDOT** *Florida Sampling and Testing Method FM 5-515*. The **LBR** test results have been provided in **APPENDIX F**, summarized in **TABLE 5**, and included on the *Roadway Soil Survey* sheet provided in **APPENDIX A**.

GEOTECHNICAL RECOMMENDATIONS - PAVEMENT DESIGN

Likely Causes of Existing Pavement Distress – As previously noted, the existing asphalt was found to be in poor condition throughout the project limits based on the observed presence of severe cracking and rutting within both travel lanes. Based on the pavement core and soil boring data collected for this study, **EGS believes** that the following conditions are contributing factors to the observed asphalt pavement distress:

- Asphalt layer delamination was observed at approximately 18% of the pavement core locations (i.e., Core **PK-6**, **PK-7**, **PK-12**, **PK-13**, **PK-20**, **PK-28**, **PK-35**, **PK-42**, **PK-46**, **PK-56**, **PK-58**, **PK-64**, **PK-69**, **PK-70**, and **PK-83**), which is likely the result of an inadequate or failing "tack" binder between asphalt layers.
- The asphalt pavement at locations where a "bonded" **RAS** base was encountered was generally found to be experiencing a slightly greater frequency of bottom-up reflective cracking in comparison to the locations where "unbonded" **RAS** was encountered (Percentage of Cores with Full Depth Cracking: Bonded = 69% vs. Unbonded = 65%). Additionally, the asphalt pavement at locations where "unbonded" **RAS** was encountered was generally found to be experiencing significantly deeper wheel path rutting in comparison to locations where "bonded" **RAS** was encountered (Average Rut Depth: Bonded = 0.27 inches vs. Unbonded = 0.35 inches).

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- Estimated "Normal" Seasonal High Groundwater generally exists within 3 feet of the existing base through most of the project limits, which will result in temporary reduction of the resilient modulus (**M_R**) following prolonged periods of rainfall and elevated water table.
- The existing fine to silty fine sand (**A-3**, **A-2-4**) subgrade did not include any identifiable stabilization additive. Based on the **LBR** testing performed as part of this investigation, the in-situ **LBR** of the existing subgrade was found to be less than (<) than the standard minimum requirement of 40.
- The existing structural number (see below) may be inadequate to support the current traffic loading.

Existing Structural Number – The estimated Existing Structural Numbers (**SN_E**) are provided in **TABLE 5**, using the average existing layer thickness determinations from **TABLE 2**. *Based on the pavement cores installed for this study, **EGS** believes the following average **SN_E** values are representative of the existing pavement structure:*

- **Pavement Cores with "Bonded" RAS Base:**
  - **SN_E = 1.17**
- **Pavement Cores with "Unbonded" RAS Base:**
  - **SN_E = 1.04**
- **Pavement Cores with Limerock Base:**
  - **SN_E = 1.78**

Summary of Existing Pavement Measurements – Based on the pavement cores installed for this study, the following summarizes general pavement measurements taken:

- Maximum Rut Depth: **1.10-inches**
- Minimum Core Thickness: **2.50-inches**
- Average Friction Course Thickness: **1.20-inches**
- Average Depth of Cracking: **Full Depth**
- Minimum Base Thickness: **3.50-inches**
- Portland Cement Concrete (**PCC**) Encountered: **No**

Cross Slopes – As depicted in the Pavement Core and Condition Survey Table provided in **APPENDIX C**, **EGS** measured cross slopes at the pavement core locations ranging from 0.2 to 8.2 percent (%) with superelevation noted at Soil Borings **PK-37**, **PK-39**, **PK-44**, **PK-46**, **PK-54**, **PK-70**, and **PK-76** due to the existing curves.

*Based on the measured cross slopes at the core locations and the allowable ranges indicated in the **FDOT** Design Manual, Part 1, Section 122.5.8, **EGS** believes that some cross-slope correction may be warranted.*

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Base Considerations – Based on the results of this subsurface investigation, it should be noted that the estimated "normal" seasonal high groundwater level likely exists within 3 feet of the bottom of base within the proposed widening areas. If raising the proposed grade is not a feasible option for the design of the roadway widening, **EGS recommends** consideration of the following design options in areas where base clearance is less than 3 feet above the estimated "normal" seasonal high groundwater:

- Use a moisture resistant Optional Base Group material such as Graded Aggregate Base (**GAB**) or Type B-12.5 (referred to as Black Base); and,
- Reduction of the design Resilient Modulus as outlined in the ***FDOT*** *Design Manual* and the *Flexible Pavement Design Manual*.

Pavement Distress Mitigation Options – Based on the results of the pavement cores and soil borings performed as part of this investigation, **EGS** believes the following options may be considered to mitigate future pavement distress within the study area:

- **Option 1: Full Depth Reconstruction –** This option generally consists of removing the existing asphalt pavement and base materials to an approximate depth of 12-inches below grade, followed by mixing and compacting Type-B stabilization (**LBR** 40 minimum) into the existing subgrade to a depth of 12-inches. After the subgrade is compacted, placement and compaction of a uniform base material would occur, followed by reconstruction of the asphalt pavement to restore the profile and match surrounding conditions.

  EGS believes *full depth reconstruction is likely the most standard and reliable method to reduce future pavement distress within the roadway corridor. The upfront cost for full depth reconstruction is much greater than a standard mill and resurface approach; however, if considering long term performance and maintenance cost savings, this option may be the most economical approach. Due to the depth of cut required to prepare the subgrade, it should be noted that the Temporary Traffic Control (**TTC**) plan will likely require temporary drop off barrier protection and diversion.*

- **Option 2: Stress Absorbing Membrane Interlayer –** This option consists of a targeted milling of the existing asphalt and installation of a Stress Absorbing Membrane Interlayer (**SAMI**) within the proposed pavement overlay layer to stiffen the pavement section and more uniformly distribute the roadway loads over the underlying deteriorating base material.

  A **SAMI** is a prefabricated high-strength geosynthetic layer which, when bonded into the lower lifts of an asphalt pavement section, resists the flexure of the pavement section once a vertical load is applied. A minimum of 4 inches of asphalt cover is required to be placed above the **SAMI** to provide adequate cover and minimize future impacts due to milling equipment.

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The benefits of this option are that the existing base material would remain in-place, resulting in a very minor depth of excavation during construction which would not require temporary drop off barrier protection or temporary diversions, and would reduce reflective cracking manifesting on the roadway surface. The disadvantages to this option are that the **SAMI** may not be an economical option due to the high cost of the material and installation, likely exceeding costs associated with full depth reconstruction noted above.

Additionally, while the **SAMI** layer will help mitigate reflective cracking, the existing base material to remain is not performing as intended and will likely cause the roadway pavement to continue to rut at an accelerated rate.

- **Option 3: Full-Depth Mill and Increased Structural Number –** This option consists of full-depth milling of the existing asphalt and replacing with a pavement section with an increased Design Structural Numbers (**SN_D**) to slow the development of cracking and wheel path rutting. As previously noted, the estimated Existing Structural Numbers (**SN_E**) are provided in **TABLE 3**, using the average existing layer thickness determinations from **TABLE 2**.

  The benefit of this option is that it is the least invasive and likely the lowest up-front cost of the 3 options presented. However, the primary disadvantage of this option is that the existing base material to remain is not performing well and will likely continue to result in future reflective cracking at a similar rate to that already experienced by the County within the corridor. Cracks within any existing pavement or base layers to remain below the proposed pavement will likely reflect upwards over time due to stress concentrations at the cracks, temperature movement, and load deflections. This in turn will cause the overlay to deteriorate faster than would be indicated strictly by structural number calculation. If considering long term costs for the design life period, this option is not likely the most economical option.

Recommended Option – *EGS recommends full depth reconstruction (Option 1) to mitigate the pavement distress within the corridor, designed in accordance with the FDOT Flexible Pavement Design Manual and constructed in accordance with the FDOT Standard Specifications for Road and Bridge Construction. EGS believes this Option will provide the most reliable long-term pavement performance, and will likely result in the least amount of future maintenance for the County.*

GEOTECHNICAL RECOMMENDATIONS – ROADWAY WIDENING

Soils – Based on a review of the soils encountered and the soil definitions included in the ***FDOT*** *Standard Plans Index 120-001*, the following **STRATA** descriptions apply:

- **STRATA 1** and **2** are “SELECT” soils. Due to the high fines content, **STRATUM 2** will retain moisture and may be difficult to compact when wet;
- **STRATUM 3** is a “PLASTIC” soil;

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- **STRATUM 4** is a "SELECT" material with an average organic content greater than 2.5 percent, but no individual value greater than 5.0 percent. This material is not permitted in the subgrade portion of the roadway bed due to its organic content; and,
- **STRATUM 5** is an "ORGANIC" material with an average organic content greater than 5.0 percent, but no individual value greater than 20.0 percent.

EGS recommends *that reuse of any materials excavated shall be in accordance with* ***FDOT*** *Standard Plans Index 120-001. Removal of any unsuitable materials shall be in accordance with* ***FDOT*** *Standard Plans Index 120-002 when appropriate. Placement and compaction of roadway materials should be performed in accordance with* ***FDOT*** *Standard Specifications for Road and Bridge Construction.*

Groundwater Impacts – Based on the results of this subsurface investigation, it should be noted that the estimated "normal" seasonal high groundwater level likely exists within 3 feet of the bottom of base within the proposed widening areas if the proposed grade remains as-is. Due to the presence of shallow groundwater encountered at various soil boring locations, the presence of standing water in the roadway shoulders at various locations, and "normal" seasonal high groundwater within 3 feet of the proposed base, **EGS** believes that groundwater may be encountered during the construction of this project. If construction and excavations are to occur below the water table, dewatering countermeasures in accordance with the ***FDOT*** *Standard Specification for Road and Bridge Construction* should be considered prior to construction.

Subsoil Excavation – As previously noted, "SELECT" soils with an organic content greater than 2.5 percent but no individual value greater than 5.0 percent (**STRATUM 4**) were encountered at various depths within the project limits. As outlined in the **FDOT** *Standard Plans Index 120-001*, "SELECT" soils with an organic content greater than 2.5 percent but no individual value greater than 5.0 percent (**STRATUM 4**) are not permitted for use in the subgrade portion of the roadway bed. **EGS recommends** subsoil excavation be performed within the subgrade portion of the roadbed at Soil Borings **PK-8** and **PK-13** to a depth of 1 foot below the bottom of base at the following locations:

- Station 67+13 to 77+13; and,
- Station 92+12 to 102+13.

The approximate horizontal limits of subsoil excavation have been depicted in **Figures 4A** through **4G**. **EGS recommends** the limits of subsoil excavation be included in the Roadway Plans. **EGS** requests the opportunity to review the Cross Sections once they become available to confirm the limits of subsoil excavation.

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LBR Values – As noted above, the **LBR** test number, corresponding boring location, maximum dry density, optimum moisture content, and **LBR** values have been summarized in **TABLE 5**. The following recommended design **LBR** values are based on the value determined by using the +/- 2% of Optimum Method and the 90% Design Method as described in the **FDOT** *Soils and Foundations Handbook*. **EGS recommends** the following design **LBR** values be used for the pavement design:

- **STRATUM 1** (**A-3**, **A-2-4** with <20% Passing No. 200) – Design **LBR** Value: 21
- **STRATUM 2** (**A-2-4** with ≥20% Passing No. 200) – Design **LBR** Value: 35

It should be noted that the recommended Design **LBR** values for **STRATA 1** and **2** were found to be less than 40. Therefore, **EGS cautions** that "SELECT" soil within the project limits used as subgrade may require additional stabilization to achieve an **LBR** value of 40.

Construction Plans – EGS recommends the following be included in the Roadway Construction Plans:

- Geotechnical Plan Sheets – *Roadway Soil Survey* and *Report of Soil Borings* included in **APPENDIX A** of this Report. Soil borings may also be plotted on the Cross Sections (if applicable) in lieu of the *Report of Soil Borings* sheets.

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CLOSURE

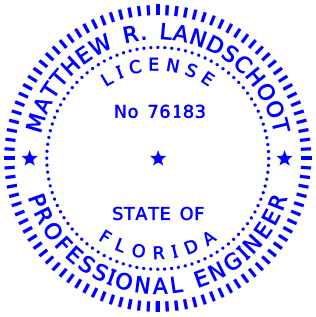
The data and results presented in this Geotechnical Investigation Report are intended for use by Kimley-Horn and Associates, Inc., for evaluation of a segment of CR 121 extending from the Duval County line to CR 119 in Nassau County, Florida as identified herein. This data may not be used without the expressed written consent of Kimley-Horn and Associates, Inc. This Report is not intended for any other use and will likely not be applicable. This Report shall not be reproduced, except in full, without the written approval of Environmental and Geotechnical Specialists, Inc. The data and recommendations presented in this Report are based on the soil borings made at the specific locations and depths noted. Subsurface conditions at other locations may vary significantly from those presented herein. Should data become available which is different from the data presented herein, Environmental and Geotechnical Specialists, Inc. requests the opportunity to review the data and make any modifications to the design recommendations that may be appropriate.

If you have any questions concerning the information contained in this Report, please do not hesitate to call at (904) 329-7180.

Very truly yours,
Environmental and Geotechnical Specialists, Inc.

Matthew R Landschoot 2024.11.26 15:19:31 -05'00'

Matthew Landschoot, P.E.
Geotechnical Project Engineer
Florida PE No. 76183



Environmental and Geotechnical Specialists, Inc.
3772 Kori Drive
Jacksonville, FL 32257

This Report has been digitally signed and sealed by Matthew Landschoot on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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TABLES

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TABLE 1
SOIL BORING LOCATION AND GROUNDWATER DATA
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

BORING NUMBER	BORING DEPTH [1] (FEET)	MEASURED GROUNDWATER DEPTH [1] (FEET)	ESTIMATED "NORMAL" SEASONAL HIGH GROUNDWATER DEPTH [1] (FEET)	STATION [2] (FEET)	OFFSET [2] (FEET)		GLOBAL POSITIONING SYSTEM (GPS) COORDINATES [3]			
							LATITUDE		LONGITUDE	
							DEG	MIN	DEG	MIN
PK-1	5.5	> 5.5	2.0	37+13	8	RIGHT	30	18.609	82	0.502
PK-2	5.5	> 5.5	3.0	42+13	4	LEFT	30	18.691	82	0.505
PK-3	5.5	> 5.5	2.0	47+13	11	RIGHT	30	18.774	82	0.504
PK-4	5.5	> 5.5	1.5	52+13	3	LEFT	30	18.856	82	0.508
SK-1	20.0	5.5	1.0	55+63	33	LEFT	30	18.914	82	0.515
PK-5	5.5	> 5.5	2.0	57+13	10	RIGHT	30	18.939	82	0.507
PK-6	5.5	> 5.5	3.0	62+13	9	LEFT	30	19.021	82	0.512
PK-7	5.5	> 5.5	3.0	67+13	7	RIGHT	30	19.104	82	0.510
PK-8	5.5	> 5.5	3.0	72+13	4	LEFT	30	19.186	82	0.514
PK-9	5.5	> 5.5	3.0	77+13	4	RIGHT	30	19.269	82	0.515
PK-10	5.5	> 5.5	3.0	82+13	9	LEFT	30	19.351	82	0.519
PK-11	5.5	> 5.5	3.0	87+13	7	RIGHT	30	19.434	82	0.518
PK-12	5.5	> 5.5	3.0	92+12	2	LEFT	30	19.516	82	0.521
PK-13	5.5	> 5.5	2.0	97+13	7	RIGHT	30	19.599	82	0.521
PK-14	5.5	> 5.5	3.0	102+13	9	LEFT	30	19.681	82	0.526
PK-15	5.5	> 5.5	3.0	107+13	10	RIGHT	30	19.763	82	0.525
PK-16	5.5	> 5.5	3.0	112+13	9	LEFT	30	19.846	82	0.530
PK-17	5.5	> 5.5	2.0	117+13	4	RIGHT	30	19.928	82	0.530
PK-18	5.5	> 5.5	3.0	122+13	5	LEFT	30	20.011	82	0.534
PK-19	5.5	> 5.5	4.0	127+13	8	RIGHT	30	20.093	82	0.533
PK-20	5.5	> 5.5	3.0	132+12	2	LEFT	30	20.176	82	0.537
PK-21	5.5	4.5	2.0	137+13	8	RIGHT	30	20.258	82	0.537
PK-22	5.5	> 5.5	3.0	142+13	7	LEFT	30	20.341	82	0.543
PK-23	5.5	4.5	2.0	147+13	10	RIGHT	30	20.423	82	0.541
PK-24	5.5	> 5.5	2.0	152+13	2	LEFT	30	20.506	82	0.546
PK-25	3.0	2.5	1.5	157+13	5	RIGHT	30	20.588	82	0.547
PK-26	5.5	> 5.5	2.5	161+77	5	LEFT	30	20.664	82	0.550
PK-27	5.5	> 5.5	3.0	167+13	8	RIGHT	30	20.753	82	0.550
PK-28	5.5	5.0	3.0	172+13	9	LEFT	30	20.835	82	0.556
PK-29	5.5	> 5.5	2.0	177+13	9	RIGHT	30	20.918	82	0.554
PK-30	5.5	> 5.5	4.0	182+13	5	LEFT	30	21.000	82	0.559
SK-2	20.0	6.5	3.0	186+43	34	RIGHT	30	21.071	82	0.553
PK-31	5.5	> 5.5	2.0	187+13	5	RIGHT	30	21.083	82	0.559

NOTES: 1. DEPTH IS MEASURED BELOW EXISTING GROUND SURFACE.
2. CONSTRUCTION CENTERLINE STATIONING AND OFFSETS DETERMINED FROM ELECTRONIC FILES PROVIDED BY **KIMLEY-HORN AND ASSOCIATES, INC**.
3. COORDINATES ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS AND MAPPING SOFTWARE.

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TABLE 1
SOIL BORING LOCATION AND GROUNDWATER DATA
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

BORING NUMBER	BORING DEPTH [1] (FEET)	MEASURED GROUNDWATER DEPTH [1] (FEET)	ESTIMATED "NORMAL" SEASONAL HIGH GROUNDWATER DEPTH [1] (FEET)	STATION [2] (FEET)	OFFSET [2] (FEET)	GLOBAL POSITIONING SYSTEM (GPS) COORDINATES [3]			
						LATITUDE		LONGITUDE	
						DEG	MIN	DEG	MIN
PK-32	5.5	> 5.5	3.0	192+13	9 LEFT	30	21.165	82	0.564
PK-33	5.5	> 5.5	2.0	197+13	4 RIGHT	30	21.248	82	0.563
PK-34	5.5	> 5.5	3.0	202+13	3 LEFT	30	21.330	82	0.566
PK-35	5.5	> 5.5	2.0	207+13	8 RIGHT	30	21.413	82	0.565
PK-36	5.5	> 5.5	1.5	212+13	8 LEFT	30	21.495	82	0.570
PK-37	5.5	> 5.5	1.0	217+13	8 RIGHT	30	21.578	82	0.569
PK-38	5.5	> 5.5	2.0	222+13	4 LEFT	30	21.659	82	0.580
PK-39	5.5	> 5.5	2.0	227+12	5 RIGHT	30	21.737	82	0.612
PK-40	5.5	> 5.5	2.0	232+13	9 LEFT	30	21.804	82	0.667
PK-41	5.5	> 5.5	2.0	237+12	9 RIGHT	30	21.873	82	0.720
PK-42	5.5	> 5.5	3.0	242+13	4 LEFT	30	21.938	82	0.778
PK-43	5.5	> 5.5	3.0	247+13	10 RIGHT	30	22.008	82	0.829
PK-44	5.5	> 5.5	2.0	252+13	7 LEFT	30	22.075	82	0.885
PK-45	5.5	> 5.5	3.0	257+13	4 RIGHT	30	22.147	82	0.931
PK-46	5.5	4.0	2.0	262+13	9 LEFT	30	22.222	82	0.969
PK-47	5.5	> 5.5	3.0	267+12	8 RIGHT	30	22.303	82	0.989
PK-48	5.5	> 5.5	4.0	272+11	11 LEFT	30	22.384	82	1.004
PK-49	5.5	> 5.5	3.0	277+12	8 RIGHT	30	22.467	82	1.008
PK-50	5.5	> 5.5	3.0	282+12	2 LEFT	30	22.549	82	1.019
PK-51	5.5	> 5.5	3.0	287+12	5 RIGHT	30	22.631	82	1.025
PK-52	5.5	> 5.5	3.0	292+12	7 LEFT	30	22.713	82	1.036
PK-53	5.5	5.0	2.0	297+13	10 RIGHT	30	22.796	82	1.041
PK-54	5.5	> 5.5	2.0	302+12	4 LEFT	30	22.876	82	1.060
PK-55	5.5	4.0	3.0	307+13	4 RIGHT	30	22.949	82	1.104
PK-56	5.5	> 5.5	3.0	312+14	8 LEFT	30	23.007	82	1.172
PK-57	5.5	> 5.5	3.0	317+13	1 RIGHT	30	23.066	82	1.238
PK-58	5.5	> 5.5	3.0	322+13	1 LEFT	30	23.123	82	1.306
PK-59	5.5	> 5.5	2.0	327+13	2 RIGHT	30	23.182	82	1.373
SK-3	20.0	6.0	2.0	329+81	45 RIGHT	30	23.218	82	1.404
PK-60	5.5	> 5.5	2.0	332+13	6 LEFT	30	23.239	82	1.442
PK-61	5.5	> 5.5	3.0	334+10	22 LEFT	30	23.260	82	1.471
PK-62	5.5	> 5.5	3.0	335+10	22 LEFT	30	23.271	82	1.484
PK-63	5.5	> 5.5	3.0	336+10	22 LEFT	30	23.283	82	1.498

NOTES: 1. DEPTH IS MEASURED BELOW EXISTING GROUND SURFACE.
2. CONSTRUCTION CENTERLINE STATIONING AND OFFSETS DETERMINED FROM ELECTRONIC FILES PROVIDED BY **KIMLEY-HORN AND ASSOCIATES, INC**.
3. COORDINATES ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS AND MAPPING SOFTWARE.

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TABLE 1
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CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

BORING NUMBER	BORING DEPTH [1] (FEET)	MEASURED GROUNDWATER DEPTH [1] (FEET)	ESTIMATED "NORMAL" SEASONAL HIGH GROUNDWATER DEPTH [1] (FEET)	STATION [2] (FEET)	OFFSET [2] (FEET)	GLOBAL POSITIONING SYSTEM (GPS) COORDINATES [3]			
						LATITUDE		LONGITUDE	
						DEG	MIN	DEG	MIN
PK-64	5.5	> 5.5	2.0	337+13	9 RIGHT	30	23.299	82	1.507
PK-65	5.5	> 5.5	2.0	337+60	33 LEFT	30	23.299	82	1.519
PK-66	5.5	> 5.5	3.0	342+13	2 LEFT	30	23.355	82	1.577
PK-67	5.5	> 5.5	4.0	347+13	5 RIGHT	30	23.414	82	1.643
PK-68	5.5	> 5.5	3.0	352+13	10 LEFT	30	23.471	82	1.713
PK-69	5.5	> 5.5	4.0	357+13	9 RIGHT	30	23.532	82	1.777
PK-70	5.5	> 5.5	4.0	362+14	1 LEFT	30	23.600	82	1.829
PK-71	5.5	> 5.5	3.0	367+14	6 RIGHT	30	23.679	82	1.855
SK-4	20.0	6.0	3.0	371+47	32 RIGHT	30	23.751	82	1.862
PK-72	5.5	> 5.5	4.0	372+14	8 LEFT	30	23.761	82	1.871
PK-73	5.5	5.0	3.0	377+14	10 RIGHT	30	23.843	82	1.881
PK-74	5.5	> 5.5	4.0	382+14	6 LEFT	30	23.924	82	1.897
PK-75	5.5	> 5.5	3.0	387+14	9 RIGHT	30	24.006	82	1.907
PK-76	5.5	> 5.5	2.0	392+15	3 LEFT	30	24.088	82	1.916
PK-77	5.5	> 5.5	1.0	397+14	8 RIGHT	30	24.171	82	1.913
PK-78	5.5	> 5.5	1.0	402+14	5 LEFT	30	24.253	82	1.906
SK-5	20.0	6.5	1.0	405+67	32 RIGHT	30	24.310	82	1.891
PK-79	2.5	> 2.5	1.0	407+15	13 RIGHT	30	24.334	82	1.890
PK-80	5.5	> 5.5	2.0	412+15	3 LEFT	30	24.414	82	1.867
PK-81	5.5	> 5.5	3.0	417+15	9 RIGHT	30	24.491	82	1.832
PK-82	5.5	> 5.5	2.0	422+15	10 LEFT	30	24.569	82	1.802
PK-83	5.5	> 5.5	3.0	427+15	4 RIGHT	30	24.645	82	1.767
PK-84	5.5	5.0	2.0	430+48	33 RIGHT	30	24.695	82	1.739

NOTES: 1. DEPTH IS MEASURED BELOW EXISTING GROUND SURFACE.
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TABLE 2
EXISTING LAYER THICKNESS
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

PAVEMENT CORE NUMBER	PAVEMENT CONDITION	PAVEMENT LAYERS THICKNESS (INCHES)			
		FC-3 [1]	SP [2]	RAS [3]	LR [4]
PAVEMENT CORES WITH BONDED RECYCLED ASPHALT STABILIZATION					
PK-3	*POOR*	1.0	2.9	8.1	
PK-7	*POOR*	1.0	3.3	3.5	
PK-10	*POOR*	1.1	3.6	6.1	
PK-15	*POOR*	1.3	2.0	4.0	
PK-24	*POOR*	1.1	2.2	4.7	
PK-26	*POOR*	1.2	3.5	7.3	
PK-28	*POOR*	1.5	3.9	5.5	
PK-32	*POOR*	1.0	3.1	5.9	
PK-36	*POOR*	1.3	2.8	6.1	
PK-37	*FAIR*	1.5	2.2	5.7	
PK-38	*POOR*	1.2	1.8	8.0	
PK-40	*FAIR*	1.4	2.6	6.0	
PK-50	*POOR*	1.5	1.5	6.0	
PK-52	*POOR*	1.4	2.1	6.0	
PK-54	*POOR*	1.3	1.9	8.8	
PK-55	*FAIR*	1.4	1.7	6.7	
PK-57	*POOR*	1.5	1.3	6.2	
PK-66	*POOR*	1.4	1.6	5.0	
PK-67	*POOR*	1.1	1.6	5.0	
PK-68	*FAIR*	1.2	2.0	6.0	
PK-69	*POOR*	1.1	2.1	4.5	
PK-71	*POOR*	1.3	1.8	6.4	

NOTES: 1. FRICTION COURSE FC-3
2. STRUCTURAL COURSE TYPE SP
3. RECYCLED ASPHALT STABILIZATION BASE
4. LIMEROCK BASE

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 2
EXISTING LAYER THICKNESS
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

PAVEMENT CORE NUMBER	PAVEMENT CONDITION	PAVEMENT LAYERS THICKNESS (INCHES)			
		FC-3 [1]	SP [2]	RAS [3]	LR [4]
PAVEMENT CORES WITH BONDED RECYCLED ASPHALT STABILIZATION					
PK-73	***POOR***	1.1	2.7	6.3	
PK-77	***POOR***	1.0	2.1	5.5	
PK-78	***POOR***	1.4	1.1	6.0	
PK-82	***POOR***	1.0	2.9	5.3	
AVERAGE	***POOR***	***1.2***	***2.3***	***5.9***	
PAVEMENT CORES WITH UNBONDED RECYCLED ASPHALT STABILIZATION					
PK-1	***POOR***	1.5	3.4	7.1	
PK-2	***POOR***	1.2	2.3	6.1	
PK-4	***POOR***	1.5	1.7	6.4	
PK-5	***POOR***	1.2	2.2	4.6	
PK-6	***POOR***	1.3	3.3	4.9	
PK-8	***POOR***	1.2	3.0	5.3	
PK-9	***GOOD***	1.1	2.5	5.9	
PK-11	***FAIR***	1.1	2.9	8.3	
PK-12	***POOR***	1.0	3.3	5.4	
PK-13	***GOOD***	1.4	2.6	8.5	
PK-14	***POOR***	1.2	2.6	6.5	
PK-16	***POOR***	1.2	3.1	7.9	
PK-17	***POOR***	1.2	2.2	7.6	
PK-18	***POOR***	1.1	2.3	6.8	
PK-19	***GOOD***	1.1	3.2	5.7	
PK-20	***POOR***	1.1	1.9	5.5	

NOTES: 1. FRICTION COURSE FC-3
2. STRUCTURAL COURSE TYPE SP
3. RECYCLED ASPHALT STABILIZATION BASE
4. LIMEROCK BASE

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TABLE 2
EXISTING LAYER THICKNESS
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

PAVEMENT CORE NUMBER	PAVEMENT CONDITION	PAVEMENT LAYERS THICKNESS (INCHES)			
		FC-3 [1]	SP [2]	RAS [3]	LR [4]
PAVEMENT CORES WITH UNBONDED RECYCLED ASPHALT STABILIZATION					
PK-21	*POOR*	1.0	2.5	5.5	
PK-22	*POOR*	1.1	2.9	5.8	
PK-23	*POOR*	1.5	3.4	3.6	
PK-25	*POOR*	1.0	2.0	8.0	
PK-27	*POOR*	1.4	1.9	8.7	
PK-29	*POOR*	1.1	1.9	8.0	
PK-30	*POOR*	1.1	2.3	8.1	
PK-31	*POOR*	1.5	1.8	5.8	
PK-33	*FAIR*	1.1	1.6	5.5	
PK-34	*POOR*	1.1	2.9	6.5	
PK-35	*POOR*	1.3	1.9	5.8	
PK-39	*POOR*	1.4	1.1	6.5	
PK-41	*POOR*	1.2	1.6	4.2	
PK-49	*POOR*	1.2	2.2	6.3	
PK-51	*POOR*	1.4	2.2	7.3	
PK-53	*POOR*	1.5	3.3	5.1	
PK-56	*POOR*	1.1	2.4	6.5	
PK-58	*POOR*	1.0	2.0	8.4	
PK-59	*POOR*	1.1	1.6	5.3	
PK-60	*POOR*	1.3	2.1	6.2	
PK-64	*POOR*	1.3	1.4	5.1	
PK-70	*POOR*	0.9	2.7	6.0	

NOTES: 1. FRICTION COURSE FC-3
2. STRUCTURAL COURSE TYPE SP
3. RECYCLED ASPHALT STABILIZATION BASE
4. LIMEROCK BASE

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 2
EXISTING LAYER THICKNESS
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

PAVEMENT CORE NUMBER	PAVEMENT CONDITION	PAVEMENT LAYERS THICKNESS (INCHES)			
		FC-3 [1]	SP [2]	RAS [3]	LR [4]
PAVEMENT CORES WITH UNBONDED RECYCLED ASPHALT STABILIZATION					
PK-72	***POOR***	1.0	2.0	7.5	
PK-74	***POOR***	1.3	1.4	7.3	
PK-75	***POOR***	1.0	2.8	5.6	
PK-76	***POOR***	1.0	1.5	6.0	
PK-79	***POOR***	0.9	3.1	4.0	
PK-80	***POOR***	0.9	2.1	5.0	
PK-81	***POOR***	1.1	2.4	4.7	
PK-83	***POOR***	1.0	2.8	4.7	
AVERAGE	***POOR***	***1.2***	***2.4***	***6.2***	
PAVEMENT CORES WITH LIMEROCK BASE					
PK-42	***FAIR***	0.9	3.7		8.6
PK-43	***POOR***	1.1	2.2		7.7
PK-44	***POOR***	0.9	2.4		9.2
PK-45	***POOR***	0.9	3.1		13.5
PK-46	***POOR***	0.9	2.9		8.3
PK-47	***POOR***	1.7	2.5		8.3
PK-48	***POOR***	1.1	3.2		12.7
AVERAGE	***POOR***	***1.1***	***2.9***		***9.8***

NOTES: 1. FRICTION COURSE FC-3
2. STRUCTURAL COURSE TYPE SP
3. RECYCLED ASPHALT STABILIZATION BASE
4. LIMEROCK BASE

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 3
NRCS SOIL SURVEY DATA
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

MATERIAL REFERENCE NUMBER	BORING NAMES	MATERIAL NAME	DEPTH (INCHES)	MATERIAL DESCRIPTION	MATERIAL CLASSIFICATION		REACTION	CORROSION POTENTIAL		DEPTH TO SEASONAL HIGH GROUNDWATER
					UNIFIED	AASHTO	(pH)	UNCOATED STEEL	CONCRETE	(FEET)
9	PK-41	LEON FINE SAND, 0 TO 2 PERCENT SLOPES	0 - 8	FINE SAND	SP-SM	A-2-4, A-3	3.5 - 4.7	HIGH	HIGH	0.5 - 1.5
			8 - 18	FINE SAND	SP-SM, SP	A-2-4, A-3	3.2 - 5.4			
			18 - 37	FINE SAND, LOAMY FINE SAND	SP-SM, SM	A-2-4, A-3	3.1 - 5.2			
			37 - 45	FINE SAND, LOAMY FINE SAND	SP-SM	A-2-4, A-3	4.3 - 5.2			
			45 - 80	FINE SAND, LOAMY FINE SAND	SP-SM	A-2-4, A-3	4.5 - 5.6			
11	PK-15, PK-16, PK-18 TO PK-21, PK-24, PK-29, PK-33, PK-40, PK-46 TO PK-48, PK-50, PK-60 TO PK-65, PK-77, PK-83, PK-84	CHAIRES FINE SAND	0 - 7	FINE SAND	SP-SM, SP	A-2-4, A-3	3.5 - 5.5	HIGH	HIGH	0.5 - 1.5
			7 - 18	FINE SAND	SP-SM, SP	A-2-4, A-3	3.5 - 5.5			
			18 - 27	SAND, FINE SAND, LOAMY FIND SAND	SP-SM, SM	A-2-4, A-3	3.5 - 5.5			
			27 - 31	SAND, FINE SAND	SP-SM, SP	A-2-4, A-3	3.5 - 5.5			
			31 - 80	SANDY CLAY LOAM, SANDY CLAY	SC	A-2-6, A-2-7, A-6	4.5 - 7.3			

NOTES: 1. STATION LIMITS REFERENCE BASELINE SURVEY SR 51.
2. BASED ON THE NRCS SOIL SURVEY REPORT FOR NASSAU COUNTY, FLORIDA.
3. SEE **APPENDIX E** FOR DETAILED NRCS SOIL SURVEY INFORMATION.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 3
NRCS SOIL SURVEY DATA
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

MATERIAL REFERENCE NUMBER	BORING NAMES	MATERIAL NAME	DEPTH (INCHES)	MATERIAL DESCRIPTION	MATERIAL CLASSIFICATION		REACTION	CORROSION POTENTIAL		DEPTH TO SEASONAL HIGH GROUNDWATER
					UNIFIED	AASHTO	(pH)	UNCOATED STEEL	CONCRETE	(FEET)
13	PK-2 TO PK-12, SK-1, PK-14, PK-23, PK-25, PK-26, PK-28, PK-31, PK-32, PK-34 TO PK-39, PK-42, PK-43, PK-49, PK-72	GOLDHEAD FINE SAND (HYDRIC)	0 - 8	FINE SAND	SP-SM, SP	A-3	4.5 - 7.8	HIGH	HIGH	0.0 - 0.5
			8 - 33	SAND, FINE SAND	SP-SM, SP	A-3	4.5 - 7.8			
			33 - 69	SANDY LOAM, CLAY LOAM, SANDY CLAY LOAM	SC-SM, SC, SM	A-2-4, A-2-6, A-6	4.5 - 8.4			
			69 - 80	FINE SAND, SAND, LOAMY FINE SAND	SP-SM, SM, SP	A-2-4, A-3	3.5 - 5.5			
16	PK-44, PK-45, SK-5, PK-79	ELLABELLE MUCKY FINE SAND, FREQUENTLY FLOODED	0 - 4	MUCKY FINE SAND	SP-SM, SM	A-1, A-2	4.5 - 5.5	HIGH	MODERATE	0.0 - 0.5
			4 - 12	FINE SAND	SP-SM, SM	A-1, A-2	4.5 - 5.5			
			12 - 36	FINE SAND	SP-SM, SM	A-1, A-2	4.5 - 5.5			
			36 - 80	SANDY CLAY LOAM, SANDY CLAY, FINE SANDY LOAM	CL, SC	A-6, A-7	4.5 - 5.5			

NOTES: 1. STATION LIMITS REFERENCE BASELINE SURVEY SR 51.
2. BASED ON THE NRCS SOIL SURVEY REPORT FOR NASSAU COUNTY, FLORIDA.
3. SEE **APPENDIX E** FOR DETAILED NRCS SOIL SURVEY INFORMATION.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 3
NRCS SOIL SURVEY DATA
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

MATERIAL REFERENCE NUMBER	BORING NAMES	MATERIAL NAME	DEPTH (INCHES)	MATERIAL DESCRIPTION	MATERIAL CLASSIFICATION		REACTION	CORROSION POTENTIAL		DEPTH TO SEASONAL HIGH GROUNDWATER
					UNIFIED	AASHTO	(pH)	UNCOATED STEEL	CONCRETE	(FEET)
22	PK-81, PK-82	SAPELO-LEON FINE SAND (SAPELO, HYDRIC)	0 - 6	FINE SAND	SP-SM, SM, SP	A-2, A-3	3.5 - 5.5	HIGH	HIGH	0.0 - 0.5
			6 - 21	FINE SAND	SP-SM, SM, SP	A-2, A-3	3.5 - 5.5			
			21 - 27	FINE SAND, SAND, LOAMY FINE SAND	SP-SM, SM	A-2, A-3	3.5 - 5.5			
			27 - 43	LOAMY FINE SAND, FINE SAND, SAND	SP-SM, SM, SP	A-2, A-3	3.5 - 5.5			
			43 - 70	FINE SANDY LOAM, SANDY CLAY LOAM, SANDY LOAM	SC-SM, SC, SM	A-2, A-4, A-6	3.5 - 5.5			
			70 - 80	LOAMY FINE SAND, FINE SAND	SP-SM, SM, SP	A-2, A-3	3.5 - 5.5			
23	- -	OCILLA FINE SAND, 0 TO 5 PERCENT SLOPES	0 - 7	FINE SAND	SP-SM, SM	A-2, A-3	4.5 - 5.5	HIGH	HIGH	1.0 - 2.5
			7 - 34	FINE SAND	SP-SM, SM	A-2, A-3	4.5 - 5.5			
			34 - 80	SANDY LOAM, SANDY CLAY LOAM, FINE SANDY LOAM	CL, ML, SC, SM	A-2, A-4, A-6	4.5 - 5.5			

NOTES: 1. STATION LIMITS REFERENCE BASELINE SURVEY SR 51.
2. BASED ON THE NRCS SOIL SURVEY REPORT FOR NASSAU COUNTY, FLORIDA.
3. SEE **APPENDIX E** FOR DETAILED NRCS SOIL SURVEY INFORMATION.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 3
NRCS SOIL SURVEY DATA
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

MATERIAL REFERENCE NUMBER	BORING NAMES	MATERIAL NAME	DEPTH (INCHES)	MATERIAL DESCRIPTION	MATERIAL CLASSIFICATION		REACTION	CORROSION POTENTIAL		DEPTH TO SEASONAL HIGH GROUNDWATER (FEET)
					UNIFIED	AASHTO	(pH)	UNCOATED STEEL	CONCRETE	
33	PK-13, PK-17, PK-22, PK-27, PK-30, SK-2, SK-3, SK-4	GOLDHEAD-MEADOWBROOK FINE SANDS, DEPRESSIONAL (MEADOWBROOK)	0 - 6	FINE SAND	SP-SM, SP	A-3	3.5 - 7.3	HIGH	MODERATE	0.0
			6 - 55	SAND, FINE SAND	SP-SM, SP	A-3	3.5 - 8.4			
			55 - 80	SANDY LOAM, FINE SANDY LOAM, SANDY CLAY LOAM	SC-SM, SC, SM	A-2-4, A-2-6	4.5 - 8.4			
51 (DUVAL)	PK-1	PELHAM FINE SAND, 0 TO 2 PERCENT SLOPES	0 - 6	LOAMY FINE SAND, FINE SAND	SM	A-2-4	3.5 - 5.5	HIGH	HIGH	0.5 - 1.0
			6 - 26	FINE SAND, LOAMY FINE SAND	SM	A-2-4	3.5 - 5.5			
			26 - 42	SANDY CLAY LOAM, FINE SANDY LOAM	SC	A-2, A-6	3.5 - 5.5			
			42 - 83	FINE SANDY LOAM, SANDY CLAY LOAM	SC	A-2, A-6	3.5 - 5.5			
51 (NASSAU)	PK-80	ALBANY FINE SAND, 0 TO 5 PERCENT SLOPES	0 - 2	FINE SAND	SP-SM, SM	A-2	3.5 - 6.5	HIGH	HIGH	1.0 - 2.5
			2 - 50	FINE SAND	SP-SM, SM	A-2	3.5 - 6.5			
			50 - 80	SANDY CLAY LOAM, SAND LOAM, FINE SANDY LOAM	SC-SM, SC, SM	A-2, A-4, A-6	4.5 - 6.0			

NOTES: 1. STATION LIMITS REFERENCE BASELINE SURVEY SR 51.
2. BASED ON THE NRCS SOIL SURVEY REPORT FOR NASSAU COUNTY, FLORIDA.
3. SEE **APPENDIX E** FOR DETAILED NRCS SOIL SURVEY INFORMATION.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 3
NRCS SOIL SURVEY DATA
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

MATERIAL REFERENCE NUMBER	BORING NAMES	MATERIAL NAME	DEPTH (INCHES)	MATERIAL DESCRIPTION	MATERIAL CLASSIFICATION		REACTION	CORROSION POTENTIAL		DEPTH TO SEASONAL HIGH GROUNDWATER
					UNIFIED	AASHTO	(pH)	UNCOATED STEEL	CONCRETE	(FEET)
53	PK-51 TO PK-54	MEADOWBROOK FINE SAND (HYDRIC)	0 - 8	FINE SAND	SP-SM, SP	A-3	3.5 - 7.3	HIGH	MODERATE	0.0 - 0.5
			8 - 44	SAND, FINE SAND	SP-SM, SP	A-3	3.5 - 8.4			
			44 - 80	SANDY LOAM, FINE SANDY LOAM, SANDY CLAY LOAM	SC-SM, SC, SM	A-2-4, A-2-6	4.5 - 8.4			
54	PK-55 TO PK-59, PK-66 TO PK-71, PK-73 TO PK-76	SAPELO FINE SAND (HYDRIC)	0 - 6	FINE SAND	SP-SM, SM, SP	A-2, A-3	3.5 - 5.5	HIGH	HIGH	0.0 - 0.5
			6 - 21	FINE SAND	SP-SM, SM, SP	A-2, A-3	3.5 - 5.5			
			21 - 27	FINE SAND, SAND, LOAMY FINE SAND	SP-SM, SM	A-2, A-3	3.5 - 5.5			
			27 - 43	LOAMY FINE SAND, FINE SAND, SAND	SP-SM, SM, SP	A-2, A-3	3.5 - 5.5			
			43 - 70	FINE SANDY LOAM, SANDY CLAY LOAM, SANDY LOAM	SC-SM, SC, SM	A-2, A-4, A-6	3.5 - 5.5			
			70 - 80	FINE SAND, LOAMY FINE SAND	SP-SM, SM, SP	A-2, A-3	3.5 - 5.5			

NOTES: 1. STATION LIMITS REFERENCE BASELINE SURVEY SR 51.
2. BASED ON THE NRCS SOIL SURVEY REPORT FOR NASSAU COUNTY, FLORIDA.
3. SEE **APPENDIX E** FOR DETAILED NRCS SOIL SURVEY INFORMATION.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 3
NRCS SOIL SURVEY DATA
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

MATERIAL REFERENCE NUMBER	BORING NAMES	MATERIAL NAME	DEPTH (INCHES)	MATERIAL DESCRIPTION	MATERIAL CLASSIFICATION		REACTION	CORROSION POTENTIAL		DEPTH TO SEASONAL HIGH GROUNDWATER (FEET)
					UNIFIED	AASHTO	(pH)	UNCOATED STEEL	CONCRETE	
55	PK-78	MEADOWBROOK-GOLDHEAD-MEGGET COMPLEX, 2 TO 5 PERCENT SLOPES (MEGGETT)	0 - 8	FINE SANDY LOAM	ML, SM	A-2, A-4	4.5 - 6.5	HIGH	MODERATE	0.0 - 0.5
			8 - 40	CLAY, SANDY CLAY, CLAY LOAM	CH, CL, MH	A-6, A-7	5.1 - 8.4			
			40 - 80	SANDY CLAY, SANDY CLAY LOAM, CLAY	MH, ML, SC, SM	A-4, A-6, A-7	6.1 - 8.4			

NOTES: 1. STATION LIMITS REFERENCE BASELINE SURVEY SR 51.
2. BASED ON THE NRCS SOIL SURVEY REPORT FOR NASSAU COUNTY, FLORIDA.
3. SEE **APPENDIX E** FOR DETAILED NRCS SOIL SURVEY INFORMATION.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 4
ENVIRONMENTAL CLASSIFICATION DATA
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

BORING NUMBER	DEPTH (FEET)	RESISTIVITY (OHM-CM)	pH	SULFATES (PPM)	CHLORIDES (PPM)	ENVIRONMENTAL CLASSIFICATION	
						STEEL	CONCRETE
FINE TO SILTY FINE SAND (<20% PASSING NO. 200 SIEVE) (A-3, A-2-4 / STRATUM 1)							
PK-59	2.0 - 3.5	14,000	4.4	36	15	**EXTREMELY AGGRESSIVE**	**EXTREMELY AGGRESSIVE**
SILTY FINE SAND (≥20% PASSING NO. 200 SIEVE) (A-2-4 / STRATUM 2)							
PK-2	1.0 - 2.5	4,100	5.9	63	15	**EXTREMELY AGGRESSIVE**	**MODERATELY AGGRESSIVE**
PK-34	4.0 - 5.5	19,000	4.1	9	30	**EXTREMELY AGGRESSIVE**	**EXTREMELY AGGRESSIVE**
CLAYEY FINE TO CLAYEY SAND (A-2-6, A-6 / STRATUM 3)							
PK-1	4.0 - 5.5	7,500	4.4	57	15	**EXTREMELY AGGRESSIVE**	**EXTREMELY AGGRESSIVE**
PK-11	3.0 - 4.5	11,000	4.7	72	30	**EXTREMELY AGGRESSIVE**	**EXTREMELY AGGRESSIVE**

NOTE: ENVIRONMENTAL CLASSIFICATION AS IDENTIFIED IN THE FDOT STRUCTURES DESIGN GUIDELINES TABLE 1.3.2-1.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 5
LBR SUMMARY
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

STRATUM [1] NUMBER	AASHTO	LBR TEST NUMBER	DISTANCE [2] (mi)	LBR TEST DEPTH	MAXIMUM [3] DRY DENSITY (lb/ft^3)	OPTIMUM WATER CONTENT (%)	MAXIMUM [4] LBR VALUE	LBR VALUE			
								± 2% METHOD MOISTURE CONTENT		AVERAGE ± 2% LBR VALUE	90% METHOD
								- 2%	+ 2%		
1	A-3, A-2-4	PK-5	0.39	1.0 - 2.0	108.4	12.4	25	23	19	**21**	**21**
		PK-27	2.473	1.0 - 2.0	103.5	11.9	17	15	- -		
		PK-38	3.515	1.0 - 2.0	100.4	15.5	33	30	23		
		PK-49	4.557	1.0 - 2.0	101.5	14.8	32	17	12		
		PK-62	5.655	1.0 - 2.0	111.9	10.7	28	22	24		
2	A-2-4	PK-16	1.432	1.0 - 2.0	116.6	9.5	58	25	45	**35**	**- -**

NOTES: 1. SEE **APPENDIX A** FOR STRATUM NUMBERS AND DESCRIPTIONS.
2. DISTANCE IS MEASURED ALONG APPROXIMATE CENTERLINE OF EXISTING CR 121 FROM DUVAL COUNTY LINE.
3. DETERMINED FROM THE FDOT FLORIDA TEST METHOD FM1-T180.
4. DETERMINED FROM THE FDOT FLORIDA TEST METHOD FM 5-515.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 6
ESTIMATED AVERAGE EXISTING STRUCTURAL NUMBER
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

LAYER [1]	THICKNESS [2] (in.)	STRUCTURAL [3] COEFFICIENT	STRUCTURAL [4] NUMBER (SN_E)
PAVEMENT CORES WITH BONDED RECYCLED ASPHALT STABILIZATION			
FRICTION COURSE FC-3	1.20	0.15	0.18
STRUCTURAL COURSE SP-12.5	2.30	0.15	0.35
BONDED RECYCLED ASPHALT STABILIZATION	5.90	0.11	0.65
TOTAL SN_E [4]			**1.17**
PAVEMENT CORES WITH UNBONDED RECYCLED ASPHALT STABILIZATION			
FRICTION COURSE FC-3	1.20	0.15	0.18
STRUCTURAL COURSE SP-12.5	2.40	0.15	0.36
UNBONDED RECYCLED ASPHALT STABILIZATION	6.20	0.08	0.50
TOTAL SN_E [4]			**1.04**
PAVEMENT CORES WITH LIMEROCK BASE			
FRICTION COURSE FC-3	1.10	0.15	0.17
STRUCTURAL COURSE SP-12.5	2.90	0.15	0.44
LIMEROCK BASE	9.80	0.12	1.18
TOTAL SN_E [4]			**1.78**

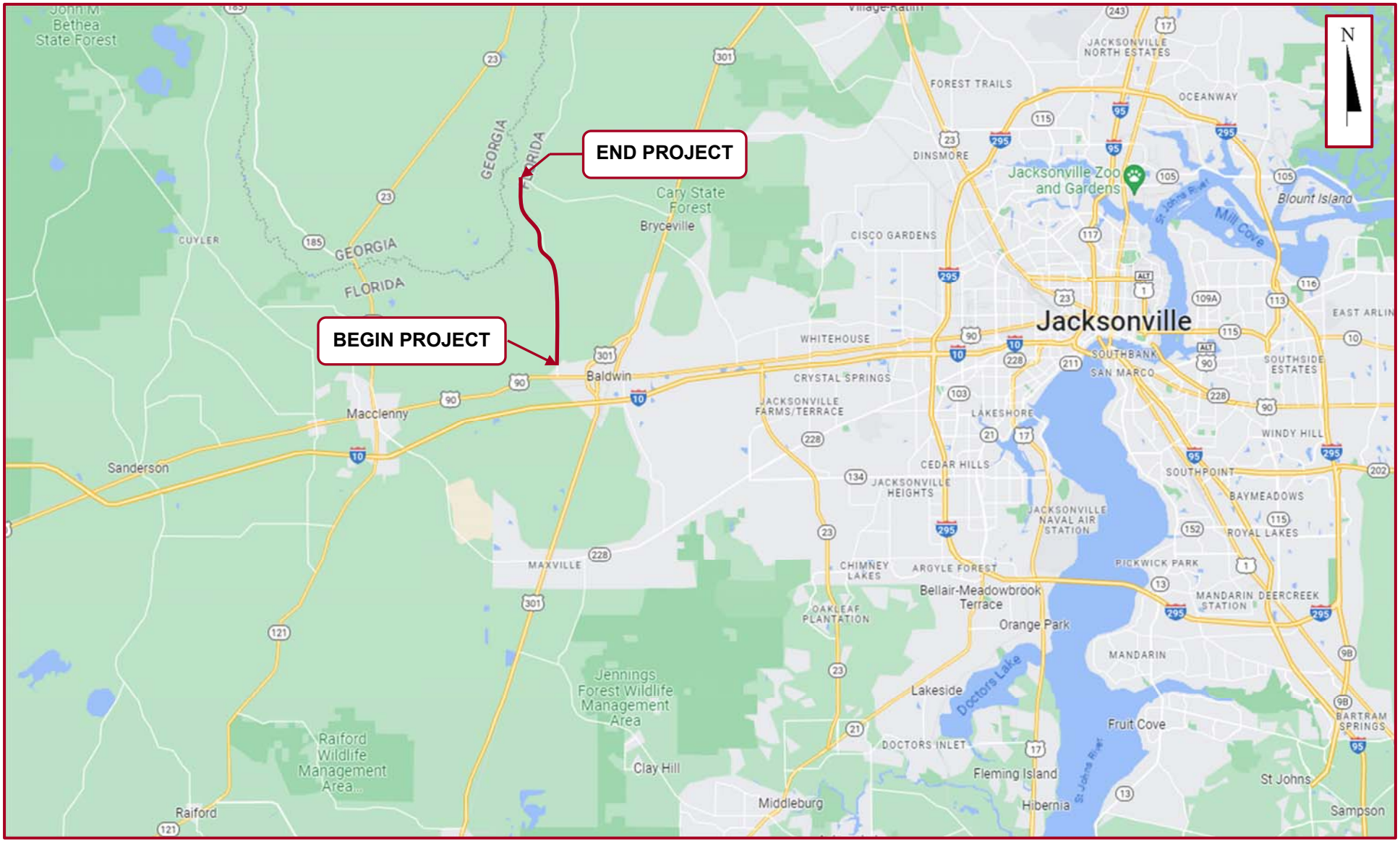
NOTES: 1. SEE APPENDIX C FOR DETAILED PAVEMENT CORE AND CONDITION INFORMATION.

2. SEE **TABLE 2** FOR PAVEMENT CONDITION AND LAYER THICKNESSES AT EACH CORE LOCATION, AND AVERAGE VALUES FOR EXISTING LAYER THICKNESS CALCULATIONS.
3. BASED ON STRUCTURAL COEFFICIENTS PROVIDED IN TABLES 5.4 & 7.1 OF THE **FDOT** *FLEXIBLE PAVEMENT DESIGN MANUAL*.
4. BASED ON THE SN_E CALCULATION PROVIDED IN SECTION 7.4.4 OF THE **FDOT** *FLEXIBLE PAVEMENT DESIGN MANUAL*.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

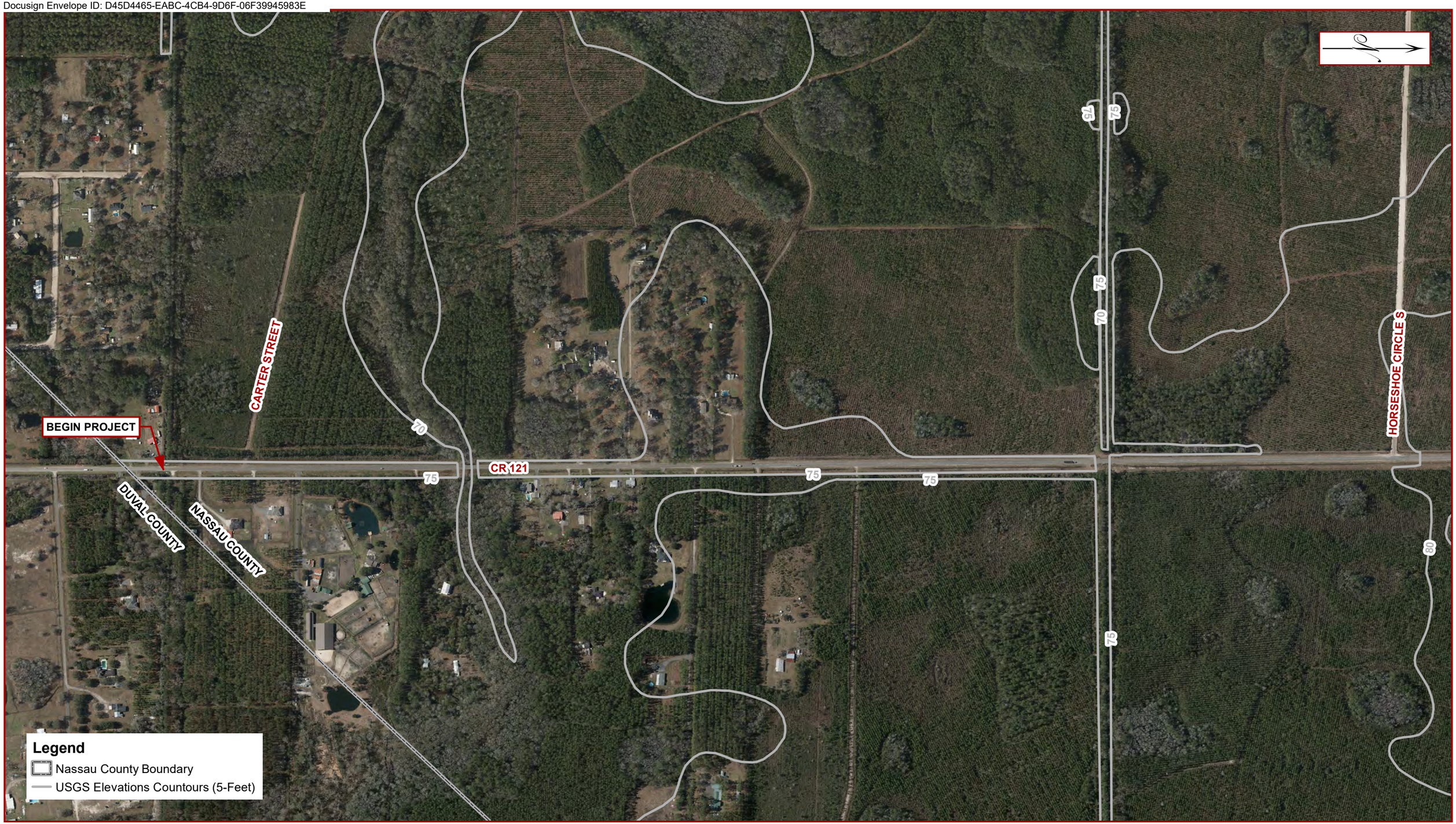
FIGURES

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



DRAWN: A. JETT	CHECKED: K. MORALES, P.E.	Environmental and Geotechnical Specialists, Inc. 3772 Kori Road Jacksonville, Florida 32257 Office: (904) 329-7180	TITLE: PROJECT LOCATION MAP CR 121 PAVEMENT EVALUATION AND WIDENING FROM DUVAL COUNTY LINE TO CR 119 NASSAU COUNTY, FLORIDA
ENGINEER: M. LANDSCHOOT, P.E.			
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC.			
PROJ. NO.: 13-54-23-01			DATE: MAY 2023 / FIGURE NO.: 1

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



0 250 500
Feet

DRAWN: A. JETT	CHECKED: K. MORALES, P.E.	Environmental and Geotechnical Specialists, Inc. 3772 Kori Road Jacksonville, Florida 32257 Office: (904) 329-7180	TITLE: USGS TOPOGRAPHIC MAP CR 121 PAVEMENT EVALUATION AND WIDENING FROM DUVAL COUNTY LINE TO CR 119 NASSAU COUNTY, FLORIDA
ENGINEER: M. LANDSCHOOT, P.E.			
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC.			
PROJ. NO.: 13-54-23-01	SCALE: AS SHOWN		DATE: JULY 2023 / FIGURE NO.: 2A

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



0 250 500
Feet

DRAWN: A. JETT	CHECKED: K. MORALES, P.E.	Environmental and Geotechnical Specialists, Inc. 3772 Kori Road Jacksonville, Florida 32257 Office: (904) 329-7180	TITLE: USGS TOPOGRAPHIC MAP CR 121 PAVEMENT EVALUATION AND WIDENING FROM DUVAL COUNTY LINE TO CR 119 NASSAU COUNTY, FLORIDA
ENGINEER: M. LANDSCHOOT, P.E.			
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC.			
PROJ. NO.: 13-54-23-01	SCALE: AS SHOWN		DATE: JULY 2023 / FIGURE NO.: 2B

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



0 250 500
Feet

DRAWN: A. JETT	CHECKED: K. MORALES, P.E.	Environmental and Geotechnical Specialists, Inc. 3772 Kori Road Jacksonville, Florida 32257 Office: (904) 329-7180	TITLE: USGS TOPOGRAPHIC MAP CR 121 PAVEMENT EVALUATION AND WIDENING FROM DUVAL COUNTY LINE TO CR 119 NASSAU COUNTY, FLORIDA
ENGINEER: M. LANDSCHOOT, P.E.			
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC.			
PROJ. NO.: 13-54-23-01	SCALE: AS SHOWN		DATE: JULY 2023 / FIGURE NO.: 2C

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



0 250 500
Feet

DRAWN: A. JETT	CHECKED: K. MORALES, P.E.	Environmental and Geotechnical Specialists, Inc. 3772 Kori Road Jacksonville, Florida 32257 Office: (904) 329-7180	TITLE: USGS TOPOGRAPHIC MAP CR 121 PAVEMENT EVALUATION AND WIDENING FROM DUVAL COUNTY LINE TO CR 119 NASSAU COUNTY, FLORIDA
ENGINEER: M. LANDSCHOOT, P.E.			
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC.			
PROJ. NO.: 13-54-23-01	SCALE: AS SHOWN		DATE: JULY 2023 / FIGURE NO.: 2D

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



0 250 500
Feet

DRAWN: A. JETT	CHECKED: K. MORALES, P.E.	Environmental and Geotechnical Specialists, Inc. 3772 Kori Road Jacksonville, Florida 32257 Office: (904) 329-7180	TITLE: USGS TOPOGRAPHIC MAP CR 121 PAVEMENT EVALUATION AND WIDENING FROM DUVAL COUNTY LINE TO CR 119 NASSAU COUNTY, FLORIDA
ENGINEER: M. LANDSCHOOT, P.E.			
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC.			
PROJ. NO.: 13-54-23-01	SCALE: AS SHOWN		DATE: JULY 2023 / FIGURE NO.: 2E

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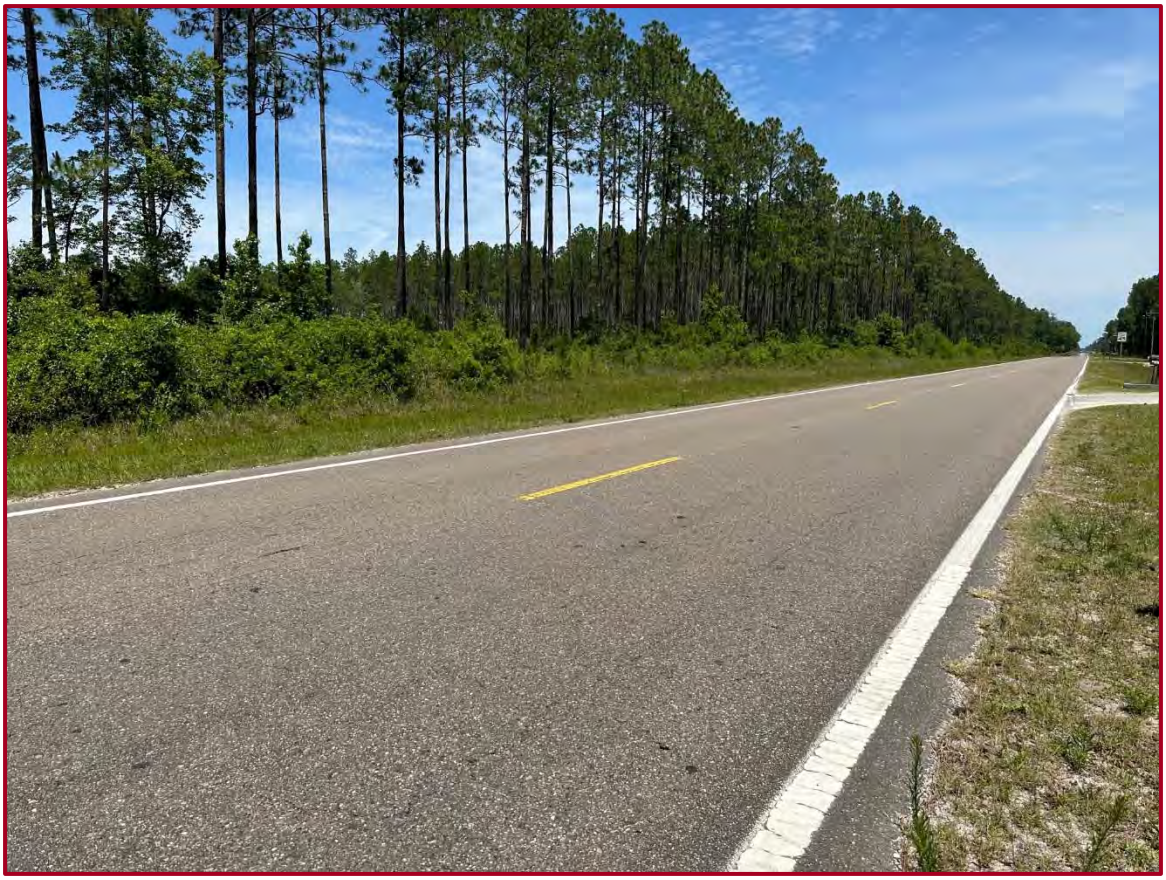


FIGURE 3A: PHOTOGRAPH OF EXISTING SITE CONDITIONS NEAR SOIL BORING **PK-1** (FACING NORTH)

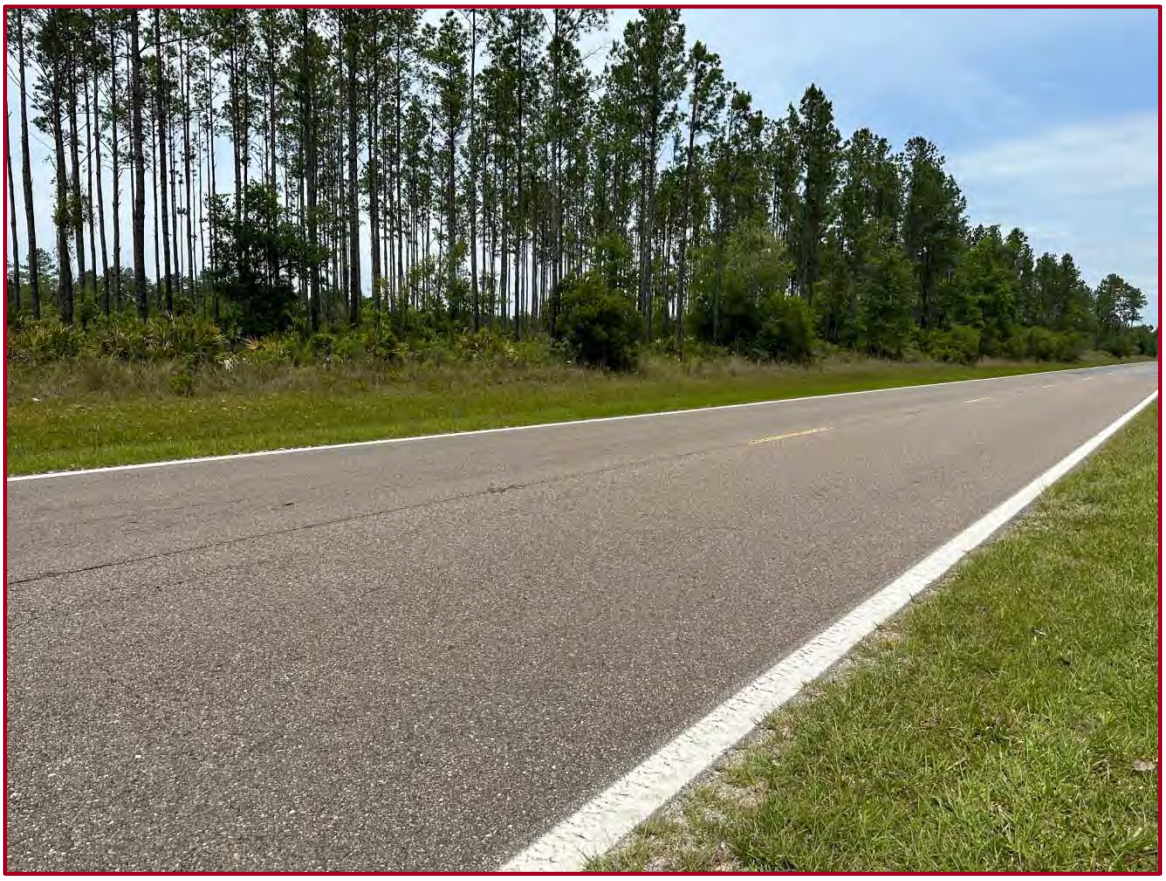


FIGURE 3B: PHOTOGRAPH OF EXISTING SITE CONDITIONS NEAR SOIL BORING **PK-33** (FACING NORTHWEST)

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE 3C: PHOTOGRAPH OF EXISTING SITE CONDITIONS NEAR SOIL BORING **PK-58** (FACING NORTH)



FIGURE 3D: PHOTOGRAPH OF EXISTING SITE CONDITIONS NEAR SOIL BORING **PK-60** (FACING NORTHWEST)

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE 3E: PHOTOGRAPH OF EXISTING SITE CONDITIONS NEAR SOIL BORING **PK-82** (FACING NORTHEAST)



FIGURE 3F: PHOTOGRAPH OF EXISTING SITE CONDITIONS NEAR SOIL BORING **PK-84** (FACING NORTH)

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E





LEGEND

- HAND AUGER SOIL BORING LOCATION
- SPT SOIL BORING LOCATION
- POOR PAVEMENT CONDITION
- GOOD PAVEMENT CONDITION
- FAIR PAVEMENT CONDITION
- APPROXIMATE LIMITS OF SUBSOIL EXCAVATION

PREPARED:	K. MORALES, P.E.
CHECKED:	M. LANDSCHOOT, P.E.
REVISED:	K. MORALES, P.E.
ENGINEER:	M. LANDSCHOOT, P.E.

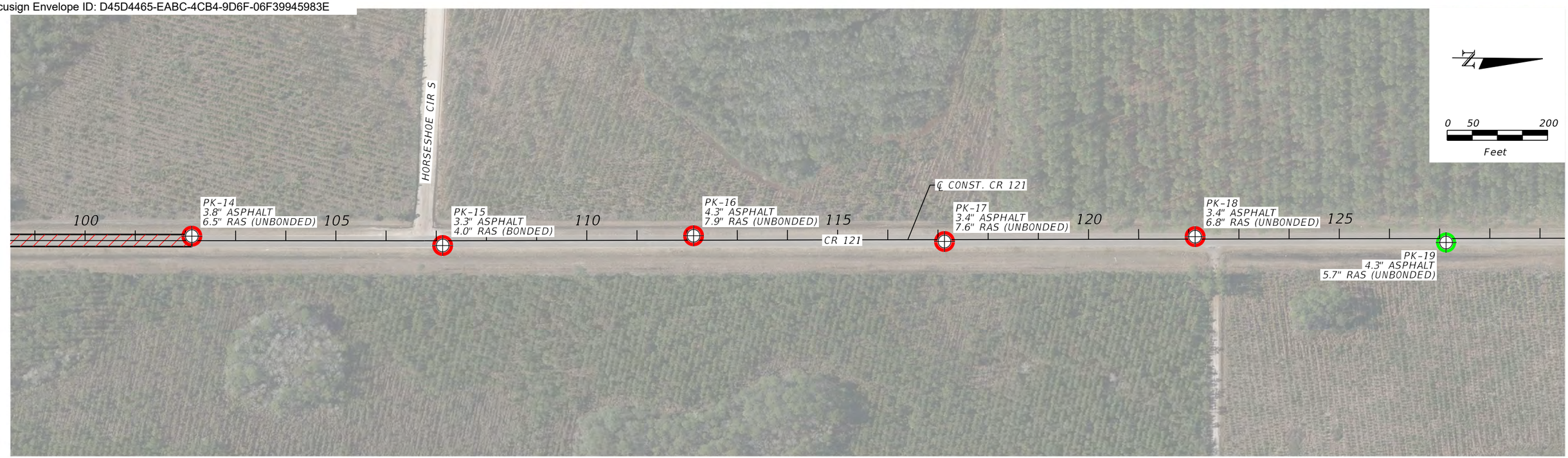
Environmental & Geotechnical Specialists, Inc.

3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

SOIL BORING LOCATION MAP
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

SCALE:	AS SHOWN	DATE:	OCTOBER 2023
PROJ. NO.:	13-54-23-01	FIGURE NO.:	4A

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E





LEGEND

- HAND AUGER SOIL BORING LOCATION
- SPT SOIL BORING LOCATION
- POOR PAVEMENT CONDITION
- GOOD PAVEMENT CONDITION
- FAIR PAVEMENT CONDITION
- APPROXIMATE LIMITS OF SUBSOIL EXCAVATION

PREPARED:	K. MORALES, P.E.
CHECKED:	M. LANDSCHOOT, P.E.
REVISED:	K. MORALES, P.E.
ENGINEER:	M. LANDSCHOOT, P.E.

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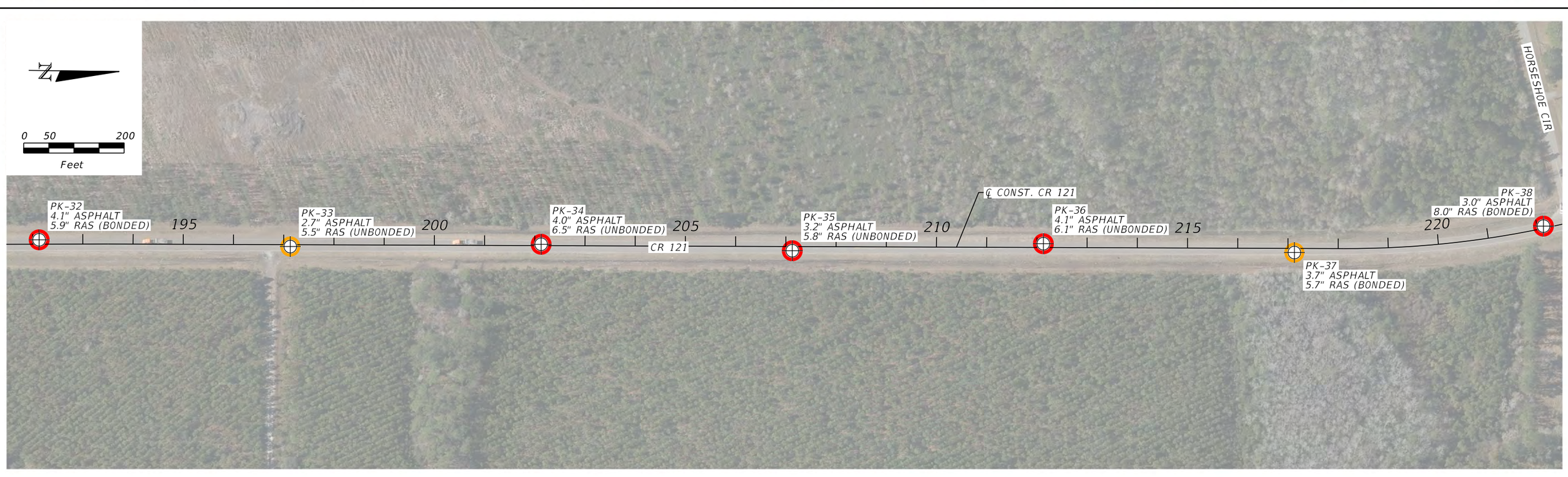
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Jacksonville, Florida 32257
Office: (904) 329-7180

SOIL BORING LOCATION MAP
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

SCALE:	AS SHOWN	DATE:	OCTOBER 2023
PROJ. NO.:	13-54-23-01	FIGURE NO.:	4B

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E





LEGEND

- HAND AUGER SOIL BORING LOCATION
- SPT SOIL BORING LOCATION
- POOR PAVEMENT CONDITION
- GOOD PAVEMENT CONDITION
- FAIR PAVEMENT CONDITION
- APPROXIMATE LIMITS OF SUBSOIL EXCAVATION

PREPARED:	K. MORALES, P.E.
CHECKED:	M. LANDSCHOOT, P.E.
REVISED:	K. MORALES, P.E.
ENGINEER:	M. LANDSCHOOT, P.E.

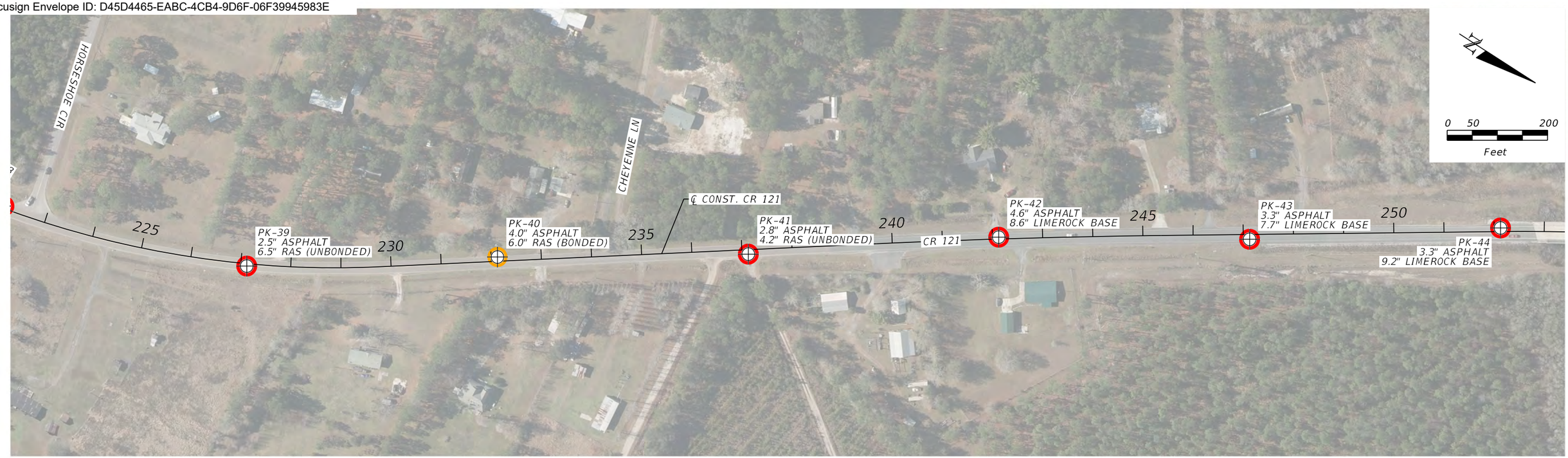
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Jacksonville, Florida 32257
Office: (904) 329-7180

SOIL BORING LOCATION MAP
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

SCALE:	AS SHOWN	DATE:	OCTOBER 2023
PROJ. NO.:	13-54-23-01	FIGURE NO.:	4C

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E





LEGEND

- HAND AUGER SOIL BORING LOCATION
- SPT SOIL BORING LOCATION
- POOR PAVEMENT CONDITION
- GOOD PAVEMENT CONDITION
- FAIR PAVEMENT CONDITION
- APPROXIMATE LIMITS OF SUBSOIL EXCAVATION

PREPARED:	K. MORALES, P.E.
CHECKED:	M. LANDSCHOOT, P.E.
REVISED:	K. MORALES, P.E.
ENGINEER:	M. LANDSCHOOT, P.E.

Environmental & Geotechnical Specialists, Inc.

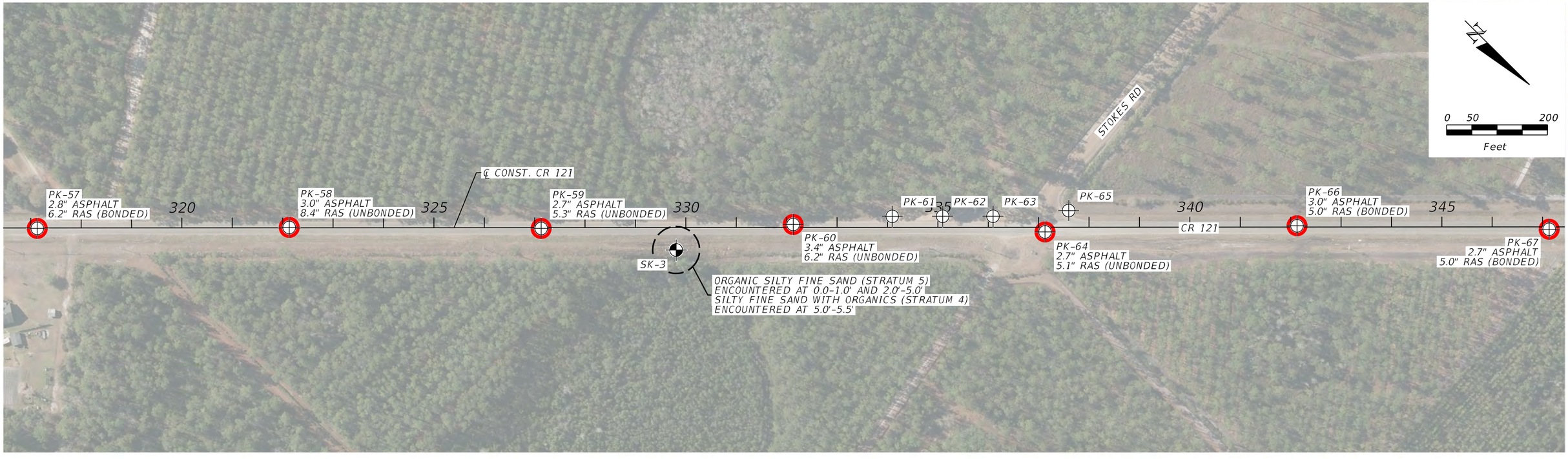
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Jacksonville, Florida 32257
Office: (904) 329-7180

SOIL BORING LOCATION MAP
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

SCALE:	AS SHOWN	DATE:	OCTOBER 2023
PROJ. NO.:	13-54-23-01	FIGURE NO.:	4D

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E





LEGEND

- HAND AUGER SOIL BORING LOCATION
- SPT SOIL BORING LOCATION
- POOR PAVEMENT CONDITION
- GOOD PAVEMENT CONDITION
- FAIR PAVEMENT CONDITION
- APPROXIMATE LIMITS OF SUBSOIL EXCAVATION

PREPARED:	K. MORALES, P.E.
CHECKED:	M. LANDSCHOOT, P.E.
REVISED:	K. MORALES, P.E.
ENGINEER:	M. LANDSCHOOT, P.E.

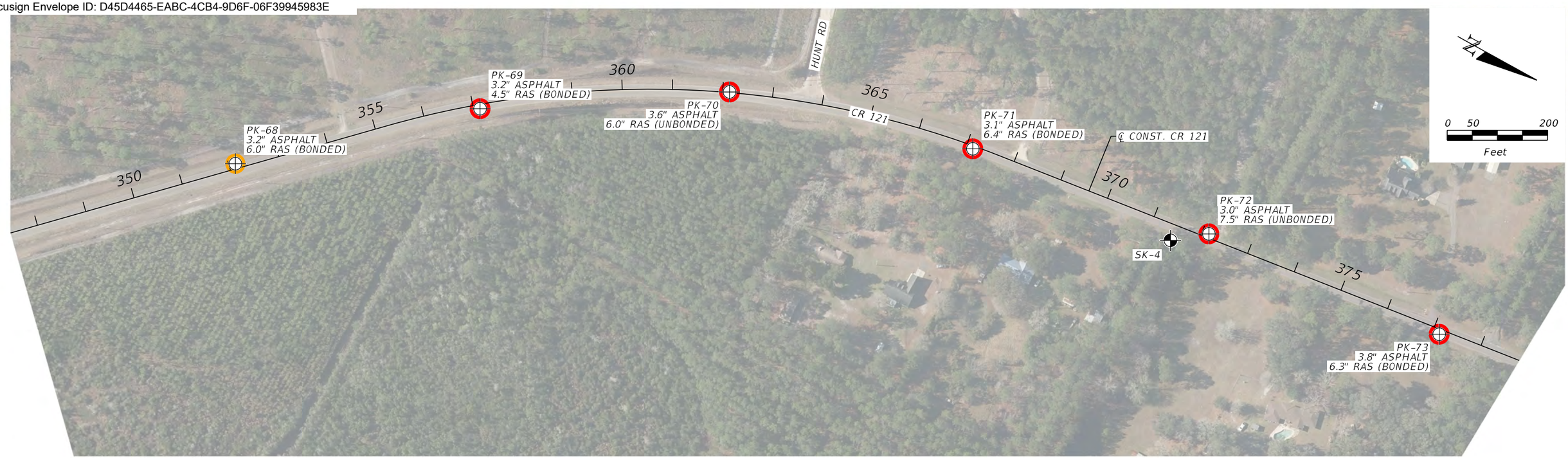
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SOIL BORING LOCATION MAP
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

SCALE:	AS SHOWN	DATE:	OCTOBER 2023
PROJ. NO.:	13-54-23-01	FIGURE NO.:	4E

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E





LEGEND

- HAND AUGER SOIL BORING LOCATION
- SPT SOIL BORING LOCATION
- POOR PAVEMENT CONDITION
- GOOD PAVEMENT CONDITION
- FAIR PAVEMENT CONDITION
- APPROXIMATE LIMITS OF SUBSOIL EXCAVATION

PREPARED:	K. MORALES, P.E.
CHECKED:	M. LANDSCHOOT, P.E.
REVISED:	K. MORALES, P.E.
ENGINEER:	M. LANDSCHOOT, P.E.

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Jacksonville, Florida 32257
Office: (904) 329-7180

SOIL BORING LOCATION MAP
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

SCALE:	AS SHOWN	DATE:	OCTOBER 2023
PROJ. NO.:	13-54-23-01	FIGURE NO.:	4F

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



LEGEND

- HAND AUGER SOIL BORING LOCATION
- POOR PAVEMENT CONDITION
- FAIR PAVEMENT CONDITION
- SPT SOIL BORING LOCATION
- GOOD PAVEMENT CONDITION
- APPROXIMATE LIMITS OF SUBSOIL EXCAVATION

PREPARED:	K. MORALES, P.E.
CHECKED:	M. LANDSCHOOT, P.E.
REVISED:	K. MORALES, P.E.
ENGINEER:	M. LANDSCHOOT, P.E.

Environmental & Geotechnical Specialists, Inc.

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Jacksonville, Florida 32257
Office: (904) 329-7180

SOIL BORING LOCATION MAP
CR 121 PAVEMENT EVALUATION AND WIDENING
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

SCALE:	AS SHOWN	DATE:	OCTOBER 2023
PROJ. NO.:	13-54-23-01	FIGURE NO.:	4G

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

APPENDIX A

GEOTECHNICAL PLAN SHEETS

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

DATE OF SURVEY: MAY - JUNE 2023

SURVEY MADE BY: ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.

SUBMITTED BY: MATTHEW R. LANDSCHOOT, P.E.

CR 121 PAVEMENT EVALUATION
FROM DUVAL COUNTY LINE TO CR 119
ROADWAY SOIL SURVEY

ROAD NO.: CR 121

COUNTY: NASSAU

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

REFERENCE: N/A SURVEY BEGINS STA. : N/A SURVEY ENDS STA. : N/A

	LBR		ORGANIC CONTENT			SIEVE ANALYSIS RESULTS PERCENT PASS (%)						ATTERBERG LIMITS (%)					CORROSION TEST RESULTS				
STRATUM NO.	MAX LBR VALUE	MOISTURE CONTENT	NO. OF TESTS	% ORGANIC	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	DESCRIPTION		NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDES ppm	SULFATES ppm	pH
1	17-33	10.7-15.5	92	0.1-2.4	4-30	76	78-100	72-100	67-100	34-100	4-19	--	--	--	A-3, A-2-4	BROWN, GRAY, ORANGE	FINE SAND, SILTY FINE SAND (<20% PASSING NO. 200)	1	14,000	15	36	4.4
2	58	9.5	18	0.2-2.1	5-22	12	91-100	80-100	76-99	57-86	21-33	--	--	--	A-2-4	GRAY, ORANGE	SILTY FINE SAND (≥20% PASSING NO. 200)	2	4,100-19,000	15-30	9-63	4.1-5.9
3	--	--	4	2.1-2.8	21-27	26	96-100	96-100	95-100	59-91	19-45	25	21-40	11-26	A-2-6, A-6	BROWN, DARK BROWN, GRAY, DARK GRAY, ORANGE, TAN	CLAYEY FINE SAND, CLAYEY SAND, CLAYEY SAND WITH ORGANICS	2	7,500-11,000	15-30	57-72	4.4-4.7
4	--	--	14	2.5-4.4	7-38	4	100	99-100	98-99	55-78	11-31	--	--	--	A-2-4	DARK BROWN, DARK GRAY	SILTY FINE SAND WITH ORGANICS	--	--	--	--	--
5	--	--	5	5.1-10.3	19-35	--	--	--	--	--	--	--	--	--	A-2-4	DARK BROWN, DARK GRAY	ORGANIC SILTY FINE SAND	--	--	--	--	--

STRATA NOTES

1. STRATA 1 AND 2 ARE "SELECT" SOILS. DUE TO THE HIGH FINES CONTENT, STRATUM 2 WILL RETAIN MOISTURE AND MAY BE DIFFICULT TO COMPACT WHEN WET.
2. STRATUM 3 IS A "PLASTIC" SOIL.
3. STRATUM 4 IS A "SELECT" MATERIAL WITH AN AVERAGE ORGANIC CONTENT GREATER THAN 2.5 PERCENT, BUT NO INDIVIDUAL VALUE GREATER THAN 5.0 PERCENT. THIS MATERIAL IS NOT PERMITTED IN THE SUBGRADE PORTION OF THE ROADWAY BED DUE TO ITS ORGANIC CONTENT.
4. STRATUM 5 IS AN "ORGANIC" MATERIAL WITH AN AVERAGE ORGANIC CONTENT GREATER THAN 5.0 PERCENT, BUT NO INDIVIDUAL VALUE GREATER THAN 20.0 PERCENT.
5. REUSE OF THESE STRATA SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001.
6. REMOVAL OF THESE STRATA SHALL BE ACCOMPLISHED IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-002.

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE. MAKE FINAL CHECK AFTER GRADING

▼ MEASURED GROUNDWATER

▽ ESTIMATED "NORMAL" SEASONAL HIGH GROUNDWATER

GNE GROUNDWATER NOT ENCOUNTERED

NO.	REVISIONS	DATE	BY

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
DATE: ----

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY KJM
DRAWN BY KJM
CHECKED BY MRL

FL

ROADWAY SOIL SURVEY

CR 121
NASSAU COUNTY

SHEET NUMBER

Plotted By:EGSStudent Sheet Set:Kha Layout:Layout1 ########################## U:\1 - Active Projects\13 - Kimley-Horn\54 - CR 121 Phase I Resurfacing Project\01 - Pavement Eval\Report\Appendices\Apx A - Geotechnical Plan Sheets\SSUVRD01.dwg
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NOTES

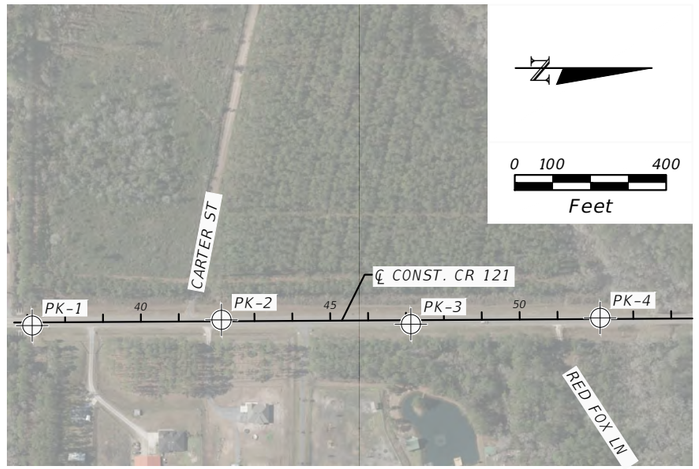
1. NUMBERS LEFT OF BORINGS INDICATE STANDARD PENETRATION TEST (SPT) N-VALUES OR EQUIVALENT FOR 12-INCH PENETRATION.
2. NUMBERS IN THE CENTER OF BORINGS INDICATE THE STRATUM.
3. SOIL DESCRIPTIONS, TEST DATA, AND STANDARD PENETRATION VALUES SHOWN ARE FOR THE SOIL BORING ONLY AND MAY NOT APPLY TO ANY OTHER LOCATIONS EXCEPT AT THE LOCATION OF THE SOIL BORING. EXTRAPOLATION OF THE SOIL BORING DATA TO OTHER LOCATIONS IS THE SOLE RESPONSIBILITY OF THE PERSON PERFORMING THE EXTRAPOLATION.
4. ASTERISK (*) INDICATES EQUIVALENT SPT N-VALUES CONVERTED FROM CONE PENETROMETER INDEX (CPI) VALUES.

SAFETY HAMMER / CPI		AUTOMATIC HAMMER	
GRANULAR MATERIALS RELATIVE DENSITY	SPT (BLOWS/12 IN.)	GRANULAR MATERIALS RELATIVE DENSITY	SPT (BLOWS/12 IN.)
VERY LOOSE	LESS THAN 4	VERY LOOSE	LESS THAN 3
LOOSE	4 - 10	LOOSE	3 - 8
MEDIUM DENSE	10 - 30	MEDIUM DENSE	8 - 24
DENSE	30 - 50	DENSE	24 - 40
VERY DENSE	GREATER THAN 50	VERY DENSE	GREATER THAN 40

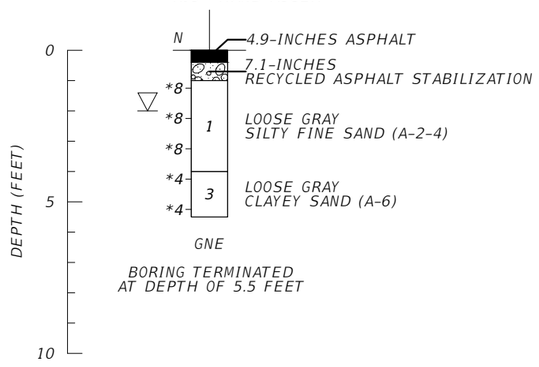
SPLIT-SPOON: INSIDE DIAMETER: 1.375 IN
OUTSIDE DIAMETER: 2.0 IN
AVG. HAMMER DROP: 30.0 IN
HAMMER WEIGHT: 140 LBS

LEGEND

- SPT SOIL BORING
- HAND AUGER SOIL BORING
- MEASURED GROUNDWATER
- ESTIMATED "NORMAL" SEASONAL HIGH GROUNDWATER
- GROUNDWATER NOT ENCOUNTERED — GNE
- AASHTO CLASSIFICATION GROUP SYMBOL — (A-3)
- ASPHALT
- LIMEROCK BASE

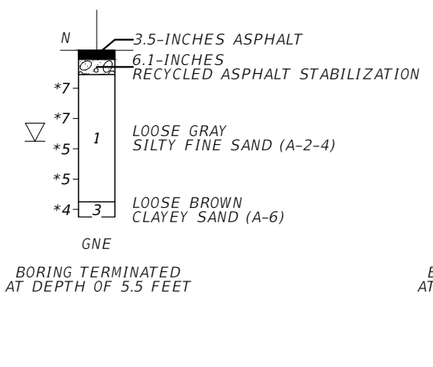


BOR # PK-1
STA. 37+13
OFF. 8 FEET RIGHT
DATE 5/30/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



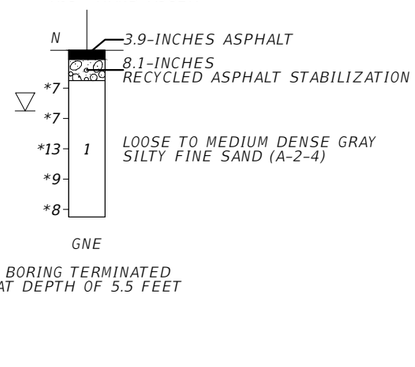
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-2
STA. 42+13
OFF. 4 FEET LEFT
DATE 6/2/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



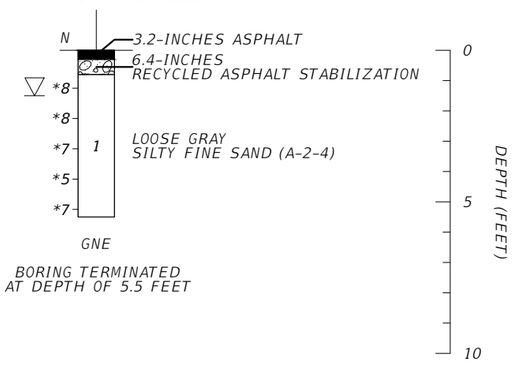
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-3
STA. 47+13
OFF. 11 FEET RIGHT
DATE 5/30/2023
DRILLER W.CHOMAT
HAMMER CPI
RIG HAND AUGER



BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-4
STA. 52+13
OFF. 3 FEET LEFT
DATE 6/2/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



BORING TERMINATED AT DEPTH OF 5.5 FEET

REVISIONS | No. | DATE | BY

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
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EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY K.JM
DRAWN BY K.JM
CHECKED BY MRL

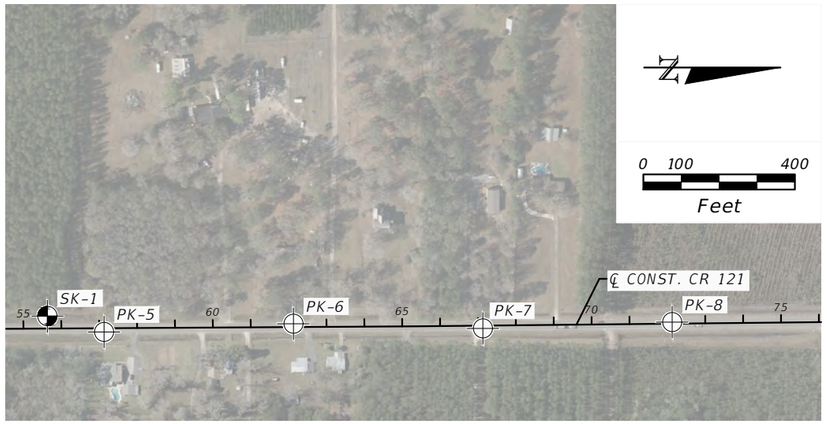
REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY
FL

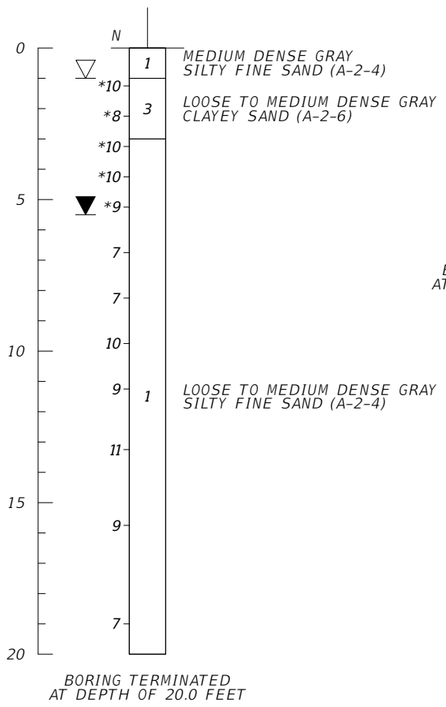
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Plotted By:EGSStudent Sheet Set:Kha Layout:Layout1 ########################## U:\1 - Active Projects\13) - Kimley-Horn\54) - CR 121 Phase I Resurfacing Project\01) - Pavement Eval\Report\Appendices\Apx A - Geotechnical Plan Sheets\ABORR01.dwg
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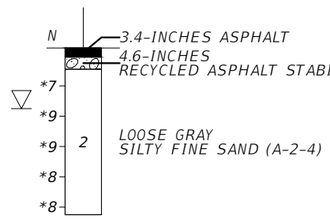


BOR # SK-1
STA. 55+63
OFF. 33 FEET LEFT
DATE 6/8/2023
DRILLER W. JOCHIM
HAMMER AUTOMATIC
RIG D-50



BORING TERMINATED
AT DEPTH OF 20.0 FEET

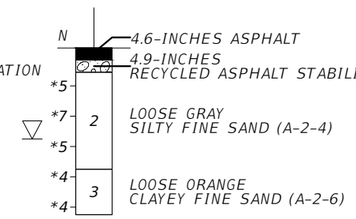
BOR # PK-5
STA. 57+13
OFF. 10 FEET RIGHT
DATE 5/30/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



GNE

BORING TERMINATED
AT DEPTH OF 5.5 FEET

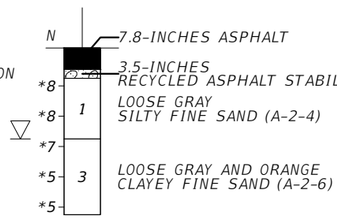
BOR # PK-6
STA. 62+13
OFF. 9 FEET LEFT
DATE 6/2/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



GNE

BORING TERMINATED
AT DEPTH OF 5.5 FEET

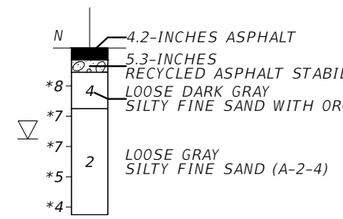
BOR # PK-7
STA. 67+13
OFF. 7 FEET RIGHT
DATE 5/30/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



GNE

BORING TERMINATED
AT DEPTH OF 5.5 FEET

BOR # PK-8
STA. 72+13
OFF. 4 FEET LEFT
DATE 6/2/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



GNE

BORING TERMINATED
AT DEPTH OF 5.5 FEET

Plotted By:EGSStudent Sheet Set:Kha Layout:Layout1 (2) ########################## U:\1 - Active Projects\13 - Kimley-Horn\54 - CR 121 Phase I Resurfacing Project\01 - Pavement Eval\Report\Appendices\Apx A - Geotechnical Plan Sheets\ABORR001.dwg
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No.	REVISIONS	DATE	BY

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
DATE: ———

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY KJM
DRAWN BY KJM
CHECKED BY MRL

FL

REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



BOR # PK-9
STA. 77+13
OFF. 4 FEET RIGHT
DATE 5/30/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.6-INCHES ASPHALT
5.9-INCHES RECYCLED ASPHALT STABILIZATION
*8 *8 *5 *4 *3
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
2 LOOSE GRAY AND ORANGE SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-10
STA. 82+13
OFF. 9 FEET LEFT
DATE 6/2/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.7-INCHES ASPHALT
6.1-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *4 *4 *3
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-11
STA. 87+13
OFF. 7 FEET RIGHT
DATE 5/30/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.0-INCHES ASPHALT
8.3-INCHES RECYCLED ASPHALT STABILIZATION
*7 *4 *5 *4 *3
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 VERY LOOSE OT LOOSE BROWN CLAYEY SAND (A-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-12
STA. 92+12
OFF. 2 FEET LEFT
DATE 6/2/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.3-INCHES ASPHALT
5.4-INCHES RECYCLED ASPHALT STABILIZATION
*8 *7 *7 *7
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-13
STA. 97+13
OFF. 7 FEET RIGHT
DATE 5/30/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.0-INCHES ASPHALT
8.5-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *7 *5 *4
4 LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS (A-2-4)
3 LOOSE DARK GRAY CLAYEY SAND WITH ORGANICS (A-6)
3 LOOSE GRAY CLAYEY SAND (A-6)
3 LOOSE DARK BROWN CLAYEY SAND WITH ORGANICS (A-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10

BOR # PK-14
STA. 102+13
OFF. 9 FEET LEFT
DATE 6/2/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.8-INCHES ASPHALT
6.5-INCHES RECYCLED ASPHALT STABILIZATION
*7 *8 *8 *5 *7
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-15
STA. 107+13
OFF. 10 FEET RIGHT
DATE 5/30/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGUER

N
3.3-INCHES ASPHALT
4.0-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *8 *8 *8
1 LOOSE GRAY TO GRAY AND ORANGE SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-16
STA. 112+13
OFF. 9 FEET LEFT
DATE 6/2/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.3-INCHES ASPHALT
7.9-INCHES RECYCLED ASPHALT STABILIZATION
*5 *7 *4 *4 *4
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY AND ORANGE CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-17
STA. 117+13
OFF. 4 FEET RIGHT
DATE 5/30/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.4-INCHES ASPHALT
7.6-INCHES RECYCLED ASPHALT STABILIZATION
*5 *8 *9 *7 *9
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-18
STA. 122+13
OFF. 5 FEET LEFT
DATE 6/2/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.4-INCHES ASPHALT
6.8-INCHES RECYCLED ASPHALT STABILIZATION
*8 *7 *5 *4 *4
1 LOOSE GRAY SILTY FINE SAND A-2-4)
4 LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS (A-2-4)
3 LOOSE DARK GRAY CLAYEY SAND WITH ORGANICS (A-6)
3 LOOSE ORANGE AND TAN CLAYEY SAND (A-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10

REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER

No.	REVISIONS	DATE	BY

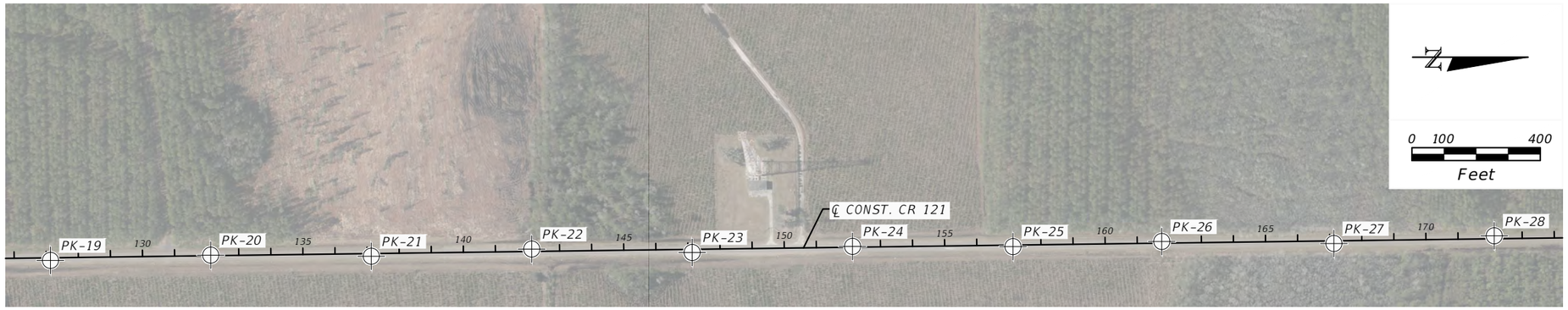
EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
DATE: ---

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY K.JM
DRAWN BY K.JM
CHECKED BY MRL
FL

Plotted By:EGSStudent Sheet Set:Kha Layout:Layout1 (3) ########## U:\1 - Active Projects\13) - Kimley-Horn\54) - CR 121 Phase I Resurfacing Project\01) - Pavement Eval\Report\Appendices\Apx A - Geotechnical Plan Sheets\ABORR001.dwg
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BOR # PK-19
STA. 127+13
OFF. 8 FEET RIGHT
DATE 5/30/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.3-INCHES ASPHALT
5.7-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *7 *8 *8
1 LOOSE GRAY FINE SAND (A-3)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-20
STA. 132+12
OFF. 2 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.0-INCHES ASPHALT
5.5-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *7 *4 *3 *4
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
4 VERY LOOSE TO LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-21
STA. 137+13
OFF. 8 FEET RIGHT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.5-INCHES ASPHALT
5.5-INCHES RECYCLED ASPHALT STABILIZATION
*8 *8 *7 *7 *5
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-22
STA. 142+13
OFF. 7 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.0-INCHES ASPHALT
5.8-INCHES RECYCLED ASPHALT STABILIZATION
*8 *8 *7 *7 *4
1 LOOSE GRAY TO ORANGE SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-23
STA. 147+13
OFF. 10 FEET RIGHT
DATE 5/30/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.9-INCHES ASPHALT
3.6-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *7 *7 *7
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10

BOR # PK-24
STA. 152+13
OFF. 2 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.3-INCHES ASPHALT
4.7-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *4 *4 *5
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-25
STA. 157+13
OFF. 5 FEET RIGHT
DATE 5/31/2023
DRILLER W.CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.0-INCHES ASPHALT
8.0-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
BORING TERMINATED AT DEPTH OF 3 FEET

BOR # PK-26
STA. 161+77
OFF. 5 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.7-INCHES ASPHALT
7.3-INCHES RECYCLED ASPHALT STABILIZATION
*8 *7 *7 *5 *4
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-27
STA. 167+13
OFF. 8 FEET RIGHT
DATE 5/31/2023
DRILLER E. SCHMIDT
HAMMER CPI
RIG HAND AUGER

N
3.3-INCHES ASPHALT
8.7-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *8 *7 *5
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-28
STA. 172+13
OFF. 9 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
5.4-INCHES ASPHALT
5.5-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *7 *4 *4
1 LOOSE GRAY TO ORANGE SILTY FINE SAND (A-2-4)
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10

No.	REVISIONS	DATE	BY

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
DATE: ____

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY KJM
DRAWN BY KJM
CHECKED BY MRL
FL

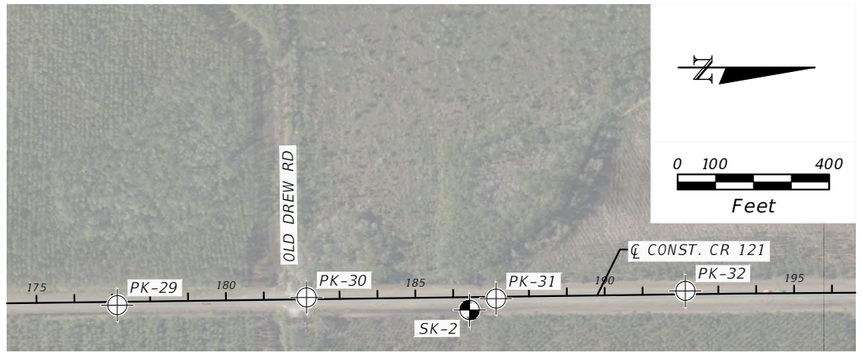
REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER

Plotted By:EGSStudent Sheet Set:Kha Layout:Layout1 (4) U:\1 - Active Projects\(13) - Kimley-Horn\(54) - CR 121 Phase I Resurfacing Project\(01) - Pavement Eval\Report\Appendices\Apx A - Geotechnical Plan Sheets\ABORRD01.dwg
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BOR # PK-29
STA. 177+13
OFF. 9 FEET RIGHT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.0-INCHES ASPHALT
8.0-INCHES RECYCLED ASPHALT STABILIZATION
*7 *8 *8 *7 *5
1 LOOSE GRAY SILTY FINE SAND (A-2-4_
3 LOOSE GRAY CLAYEY SAND (A-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-30
STA. 182+13
OFF. 5 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.4-INCHES ASPHALT
8.1-INCHES RECYCLED ASPHALT STABILIZATION
*8 *7 *7 *7 *4
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
1 LOOSE GRAY FINE SAND (A-3)
1 LOOSE GRAY TO ORANGE SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # SK-2
STA. 186+43
OFF. 34 FEET RIGHT
DATE 6/8/2023
DRILLER W. JOCHIM
HAMMER AUTOMATIC
RIG D-50

N
*10 *10 *9 *10 *10 8 16 16 14 9 7 8
2 MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
3 MEDIUM DENSE GRAY CLAYEY FINE SAND (A-2-6)
2 MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE TO MEDIUM DENSE GRAY CLAYEY SAND (A-6)
2 LOOSE TO MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
BORING TERMINATED AT DEPTH OF 20.0 FEET

BOR # PK-31
STA. 187+13
OFF. 5 FEET RIGHT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.3-INCHES ASPHALT
5.8-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *8 *8 *8
2 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-32
STA. 192+13
OFF. 9 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.1-INCHES ASPHALT
5.9-INCHES RECYCLED ASPHALT STABILIZATION
*7 *5 *4 *4 *4
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY AND ORANGE CLAYEY SAND (A-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

0 5 10 15 20
DEPTH (FEET)

No.	REVISIONS	DATE	BY

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
DATE:

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY KJM
DRAWN BY KJM
CHECKED BY MRL
FL

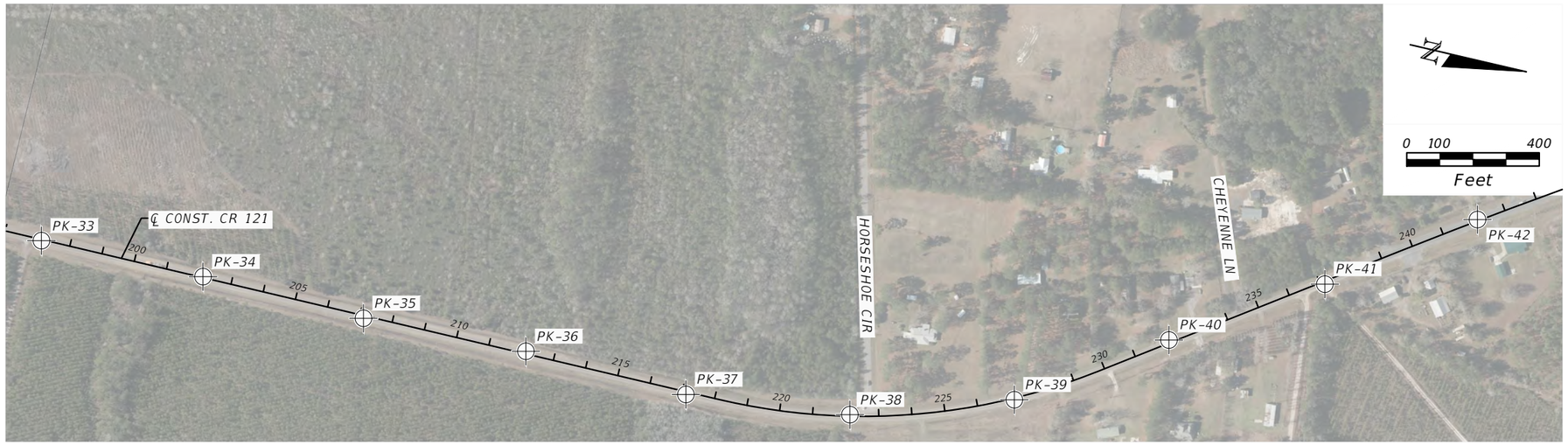
REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER

Plotted By:EGSStudent Sheet Set:Kha Layout:Layout1 (5) ########## U:\1 - Active Projects\13 - Kimley-Horn\54 - CR 121 Phase I Resurfacing Project\01 - Pavement Eval\Report\Appendices\Apx A - Geotechnical Plan Sheets\ABORR001.dwg
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BOR # PK-33
STA. 197+13
OFF. 4 FEET RIGHT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
2.7-INCHES ASPHALT
5.5-INCHES
RECYCLED ASPHALT STABILIZATION
8* 7* 8* 8* 8*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-34
STA. 202+13
OFF. 3 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.0-INCHES ASPHALT
6.5-INCHES
RECYCLED ASPHALT STABILIZATION
7* 7* 5* 5* 5*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE ORANGE CLAYEY FINE SAND (A-2-6)
2 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-35
STA. 207+13
OFF. 8 FEET RIGHT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.2-INCHES ASPHALT
5.8-INCHES
RECYCLED ASPHALT STABILIZATION
7* 5* 4* 4* 4*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-36
STA. 212+13
OFF. 8 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGUER

N
4.1-INCHES ASPHALT
6.1-INCHES
RECYCLED ASPHALT STABILIZATION
7* 7* 8* 8* 4*
1 LOOSE GRAY FINE SAND (A-3)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-37
STA. 217+13
OFF. 8 FEET RIGHT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.7-INCHES ASPHALT
5.7-INCHES
RECYCLED ASPHALT STABILIZATION
7* 7* 7* 7* 7*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10

BOR # PK-38
STA. 222+13
OFF. 4 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.0-INCHES ASPHALT
8.0-INCHES
RECYCLED ASPHALT STABILIZATION
5* 7* 7* 7* 4*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
4 LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS (A-2-4)
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-39
STA. 227+12
OFF. 5 FEET RIGHT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
2.5-INCHES ASPHALT
6.5-INCHES
RECYCLED ASPHALT STABILIZATION
7* 7* 7* 4* 4*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
4 LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS (A-2-4)
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY AND ORANGE CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-40
STA. 232+13
OFF. 9 FEET LEFT
DATE 5/31/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.0-INCHES ASPHALT
6.0-INCHES
RECYCLED ASPHALT STABILIZATION
7* 8* 8* 5* 4*
1 LOOSE BROWN TO GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-41
STA. 237+12
OFF. 9 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
2.8-INCHES ASPHAT
4.2-INCHES
RECYCLED ASPHALT STABILIZATION
7* 7* 5* 5* 5*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-42
STA. 242+13
OFF. 4 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.6-INCHES ASPHALT
8.6-INCHES
LIMEROCK BASE
7* 4* 4* 4* 4*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY AND ORANGE CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10

REVISIONS

No.	DATE	BY

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
DATE: ——

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY KJM
DRAWN BY KJM
CHECKED BY MRL
FL

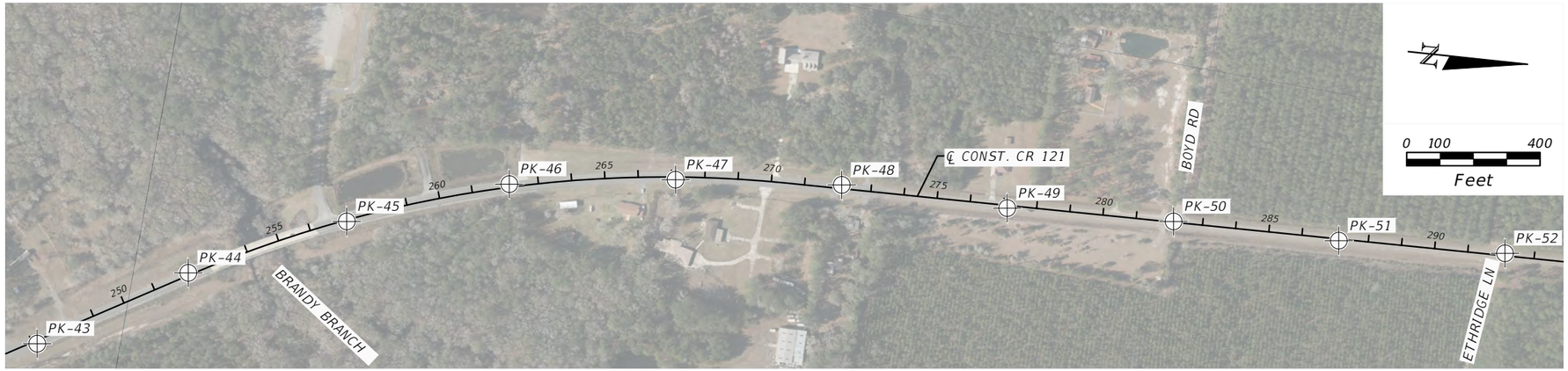
REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER

Plotted By:EGSStudent Sheet Set:Kha Layout:Layout1 (6) U:\1 - Active Projects\(13) - Kimley-Horn\(54) - CR 121 Phase I Resurfacing Project\(01) - Pavement Eval\Report\Appendices\Apx A - Geotechnical Plan Sheets\ABORR001.dwg
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Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



BOR # PK-43
STA. 247+13
OFF. 10 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.3-INCHES ASPHALT
7.7-INCHES LIMEROCK BASE
*8 *8 *7 *7 *8
1 LOOSE GRAY SILTY FINE SAND
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-44
STA. 252+13
OFF. 7 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.3-INCHES ASPHALT
9.2-INCHES LIMEROCK BASE
*7 *7 *8 *7 *7
2 LOOSE GRAY SILTY FINE SAND (A-2-4)
4 LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-45
STA. 257+13
OFF. 4 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.0-INCHES ASPHALT
13.5-INCHES LIMEROCK BASE
*7 *7 *7 *5 *7
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-46
STA. 262+13
OFF. 9 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.8-INCHES ASPHALT
8.3-INCHES LIMEROCK BASE
*9 *8 *5 *7 *7
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-47
STA. 267+12
OFF. 8 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.2-INCHES ASPHALT
8.3-INCHES LIMEROCK BASE
*10 *7 *7 *4 *4
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10

BOR # PK-48
STA. 272+11
OFF. 11 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
4.3-INCHES ASPHALT
12.7-INCHES LIMEROCK BASE
*8 *7 *5 *5
2 LOOSE GRAY SILTY FINE SAND
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-49
STA. 277+12
OFF. 8 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.4-INCHES ASPHALT
6.3-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *5 *4 *4
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-50
STA. 282+12
OFF. 2 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.0-INCHES ASPHALT
6.0-INCHES RECYCLED ASPHALT STABILIZATION
*5 *5 *7 *5 *4
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-51
STA. 287+12
OFF. 5 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.6-INCHES ASPHALT
7.3-INCHES RECYCLED ASPHALT STABILIZATION
*8 *8 *4 *4 *4
1 LOOSE GRAY FINE SAND (A-3)
3 LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-52
STA. 292+12
OFF. 7 FEET LEFT
DATE 6/1/2023
DRILLER W.CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.5-INCHES ASPHALT
6.0-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *4 *4 *4
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY CLAYEY FINE SAND (A-2-6)
GNE
BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10

Plotted By:EGSStudent Sheet Set:Kha Layout:Layout1 (7) ########################## U:\1 - Active Projects\13) - Kimley-Horn\54) - CR 121 Phase I Resurfacing Project\01) - Pavement Eval\Report\Appendices\Apx A - Geotechnical Plan Sheets\ABORR001.dwg
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3772 Kori Road
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Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
DATE: ——

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY K.JM
DRAWN BY K.JM
CHECKED BY MRL

FL

REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

BOR # PK-53
STA. 297+13
OFF. 10 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-54
STA. 302+12
OFF. 4 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-55
STA. 307+13
OFF. 4 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOAMT
HAMMER CPI
RIG HAND AUGER

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-56
STA. 312+14
OFF. 8 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-57
STA. 317+13
OFF. 1 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-58
STA. 322+13
OFF. 1 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

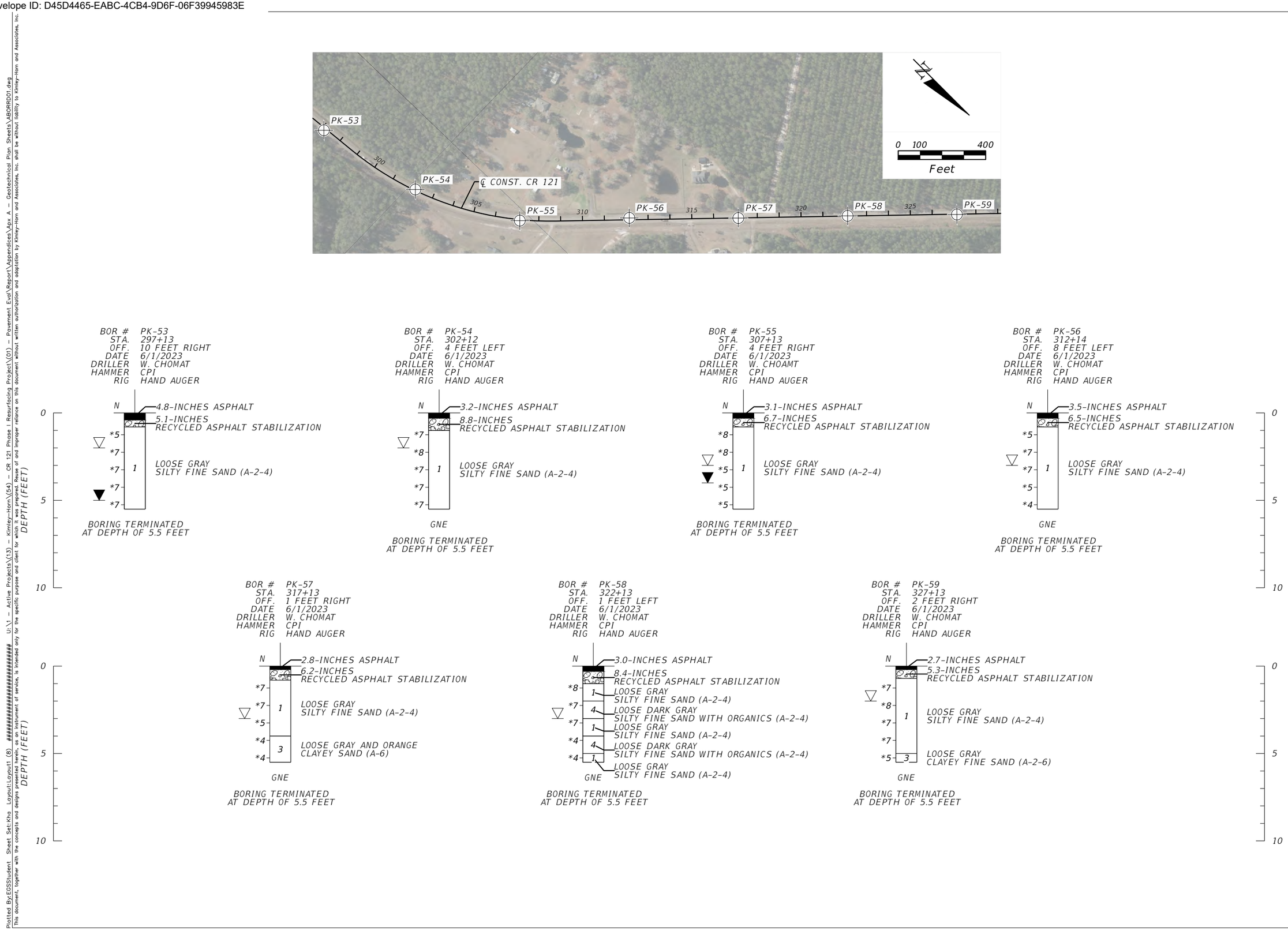
GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-59
STA. 327+13
OFF. 2 FEET RIGHT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET



Plotted By:EGSStudent Sheet Set:Kha Layout:Layout1 (8) ########################## U:\1 - Active Projects\(13) - Kimley-Horn\(54) - CR 121 Phase I Resurfacing Project\(01) - Pavement Eval\Report\Appendices\Apx A - Geotechnical Plan Sheets\ABORRD01.dwg
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LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
DATE: ———

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY KJM
DRAWN BY KJM
CHECKED BY MRL

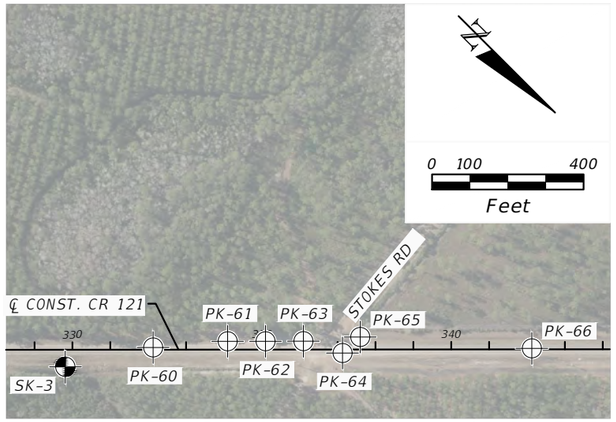
FL

REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



BOR # SK-3
STA. 329+81
OFF. 45 FEET RIGHT
DATE 6/7/2023
DRILLER W. JOCHIM
HAMMER AUTOMATIC
RIG D-50

N		
5		MEDIUM DENSE DARK GRAY ORGANIC SILTY FINE SAND (A-2-4)
*12	1	MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
*10		
*10	5	MEDIUM DENSE DARK BROWN ORGANIC SILTY FINE SAND (A-2-4)
*10		
*13	4	MEDIUM DENSE DARK BROWN SILTY FINE SAND WITH ORGANICS (A-2-4)
17		
12		
8		
8		
8	1	LOOSE TO MEDIUM DENSE BROWN SILTY FINE SAND (A-2-4)
15		
13		
10		

DEPTH (FEET) 0, 5, 10, 15, 20

BORING TERMINATED AT DEPTH OF 20.0 FEET

BOR # PK-60
STA. 332+13
OFF. 6 FEET LEFT
DATE 6/1/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
		3.4-INCHES ASPHALT
		6.2-INCHES RECYCLED ASPHALT STABILIZATION
*7	1	LOOSE GRAY SILTY FINE SAND (A-2-4)
*4		
*8	4	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS (A-2-4)
*7		
*7	1	LOOSE GRAY SILTY FINE SAND (A-2-4)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-61
STA. 334+10
OFF. 22 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
*8		
*8	1	LOOSE GRAY FINE SAND (A-3)
*7		
*5		
*5		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-62
STA. 335+10
OFF. 22 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
*8		
*8	1	LOOSE GRAY SILTY FINE SAND (A-2-4)
*7		
*5		
*4		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-63
STA. 336+10
OFF. 22 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
*8		
*7	1	LOOSE GRAY FINE SAND (A-3)
*7		
*7		
*5		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-64
STA. 337+13
OFF. 9 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
		2.7-INCHES ASPHALT
		5.1-INCHES RECYCLED ASPHALT STABILIZATION
*8		
*8	1	LOOSE GRAY SILTY FINE SAND (A-2-4)
*7		
*7		
*4		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-65
STA. 337+60
OFF. 33 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
*7		
*7	1	LOOSE GRAY FINE SAND (A-3)
*5		
*4		
*4		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-66
STA. 342+13
OFF. 2 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N		
		3.0-INCHES ASPHALT
		5.0-INCHES RECYCLED ASPHALT STABILIZATION
*8		
*8	1	LOOSE GRAY SILTY FINE SAND (A-2-4)
*8		
*8		
*5		

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0, 5, 10

No.	REVISIONS	DATE	BY

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
DATE: ----

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY KJM
DRAWN BY KJM
CHECKED BY MRL
FL

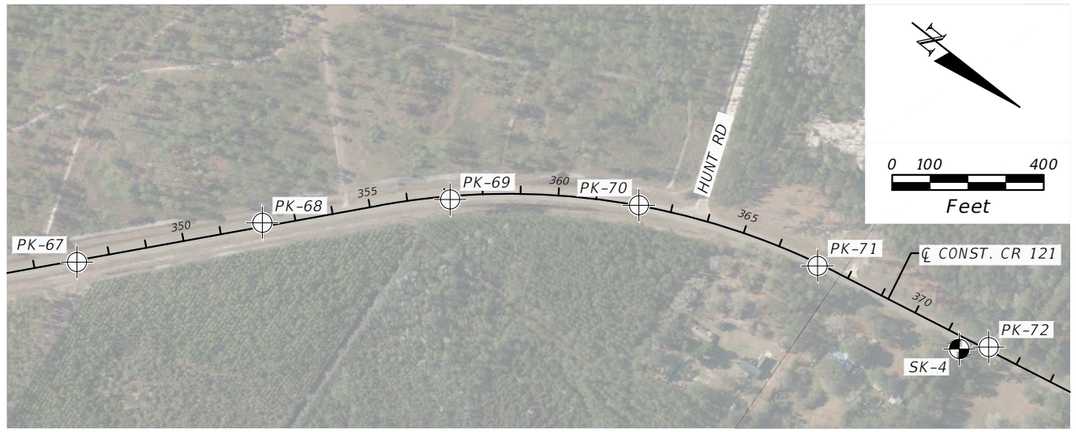
REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER

Plotted By:EGSStudent Sheet Set:Kha Layout:Layout1 (9) U:\1 - Active Projects\(13) - Kimley-Horn\(54) - CR 121 Phase I Resurfacing Project\(01) - Pavement Eval\Report\Appendices\Apx A - Geotechnical Plan Sheets\ABORR001.dwg
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BOR # PK-67
STA. 347+13
OFF. 5 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
2.7-INCHES ASPHALT
5.0-INCHES RECYCLED ASPHALT STABILIZATION
7* 8* 5* 5* 4*
1 LOOSE GRAY TO GRAY AND ORANGE SILTY FINE SAND (A-2-4)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-68
STA. 352+13
OFF. 10 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.2-INCHES ASPHALT
6.0-INCHES RECYCLED ASPHALT STABILIZATION
8* 8* 7* 7* 7*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10

BOR # PK-69
STA. 357+13
OFF. 9 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.2-INCHES ASPHALT
4.5-INCHES RECYCLED ASPHALT STABILIZATION
8* 7* 5* 5* 5*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY AND ORANGE CLAYEY SAND (A-6)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-70
STA. 362+14
OFF. 1 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.6-INCHES ASPHALT
6.0-INCHES RECYCLED ASPHALT STABILIZATION
7* 7* 5* 4* 4*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY CLAYEY SAND (A-6)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-71
STA. 367+14
OFF. 6 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.1-INCHES ASPHALT
6.4-INCHES RECYCLED ASPHALT STABILIZATION
7* 7* 7* 5* 4*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # SK-4
STA. 371+47
OFF. 32 FEET RIGHT
DATE 6/7/2023
DRILLER W. JOCHIM
HAMMER AUTOMATIC
RIG D-50

N
10* 8* 10* 10* 9* 15 12 13 13 9 12 11
2 LOOSE TO MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
3 MEDIUM DENSE GRAY CLAYEY SAND (A-6)
1 MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
1 MEDIUM DENSE GRAY FINE SAND (A-3)
1 MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)

BORING TERMINATED AT DEPTH OF 20.0 FEET

BOR # PK-72
STA. 372+14
OFF. 8 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.0-INCHES ASPHALT
7.5-INCHES RECYCLED ASPHALT STABILIZATION
7* 8* 8* 7* 7*
1 LOOSE GRAY SILTY FINE SAND (A-2-4)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10 15 20

Plotted By:EGSStudent Sheet Set:Kha Layout:Layout1 (10) ########################## U:\1 - Active Projects\13) - Kimley-Horn\54) - CR 121 Phase I Resurfacing Project\01) - Pavement Eval\Report\Appendices\Apx A - Geotechnical Plan Sheets\ABORRD01.dwg
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FL LICENSE NUMBER 76183
DATE: ----

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY KJM
DRAWN BY KJM
CHECKED BY MRL

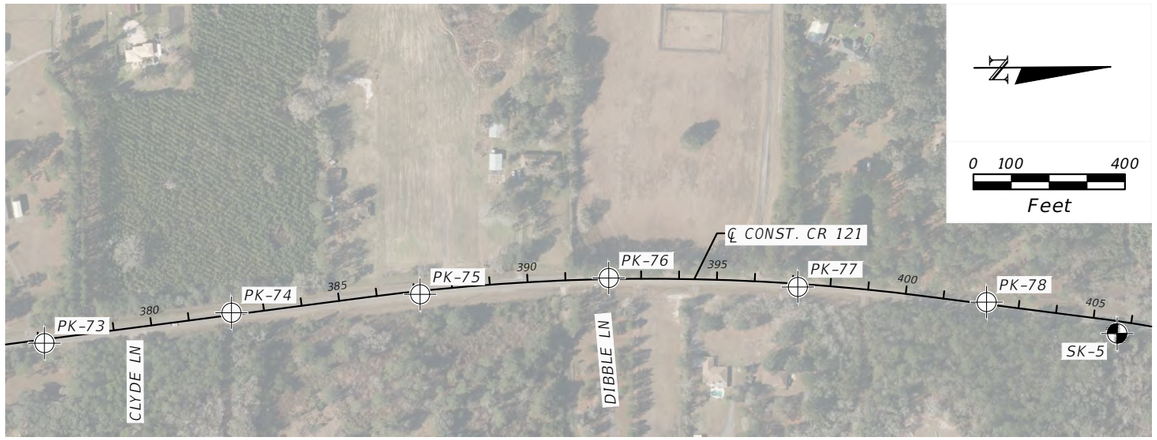
FL

REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



BOR # PK-73
STA. 377+14
OFF. 10 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.8-INCHES ASPHALT
6.4-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *7 *5 *5
2 LOOSE GRAY SILTY FINE SAND (A-2-4)

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-74
STA. 382+14
OFF. 6 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
2.7-INCHES ASPHALT
7.3-INCHES RECYCLED ASPHALT STABILIZATION
*8 *8 *8 *5 *5
2 LOOSE GRAY SILTY FINE SAND (A-2-4)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

DEPTH (FEET) 0 5 10

BOR # PK-75
STA. 387+14
OFF. 9 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.8-INCHES ASPHALT
5.6-INCHES RECYCLED ASPHALT STABILIZATION
*8 *8 *7 *5 *5
1 LOOSE GRAY TO BROWN AND GRAY SILTY FINE SAND (A-2-4)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-76
STA. 392+15
OFF. 3 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
2.5-INCHES ASPHALT
6.0-INCHES RECYCLED ASPHALT STABILIZATION
*7 *7 *5 *5 *5
1 LOOSE GRAY SILTY FINE SAND (A-2-4)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-77
STA. 397+14
OFF. 8 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
3.1-INCHES ASPHALT
5.5-INCHES RECYCLED ASPHALT STABILIZATION
*5 *4 *4 *4 *4
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY AND ORANGE CLAYEY FINE SAND (A-2-6)

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # PK-78
STA. 402+14
OFF. 5 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER

N
2.5-INCHES ASPHALT
6.0-INCHES RECYCLED ASPHALT STABILIZATION
*7 *4 *5 *5 *4
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
3 LOOSE GRAY TO GRAY AND ORANGE CLAYEY SAND

GNE

BORING TERMINATED AT DEPTH OF 5.5 FEET

BOR # SK-5
STA. 405+67
OFF. 32 FEET RIGHT
DATE 6/7/2023
DRILLER W. JOCHIM
HAMMER AUTOMATIC
RIG D-50

N
1 LOOSE GRAY SILTY FINE SAND (A-2-4)
5 LOOSE DARK GRAY ORGANIC SILTY FINE SAND (A-2-4)
*8 *9 *9 *10 *10
1 LOOSE TO MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
15 21 13 11 11 6 8

BORING TERMINATED AT DEPTH OF 20.0 FEET

DEPTH (FEET) 0 5 10 15 20

REVISIONS | NO. | DATE | BY

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
DATE: ———

EGS PROJECT 13-54-23-01
DATE OCTOBER 2023
SCALE AS SHOWN
DESIGNED BY KJM
DRAWN BY KJM
CHECKED BY MRL

FL

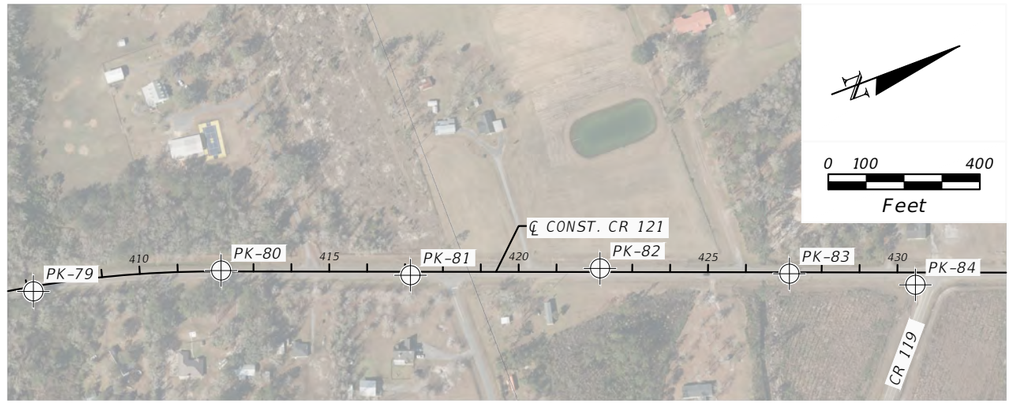
REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

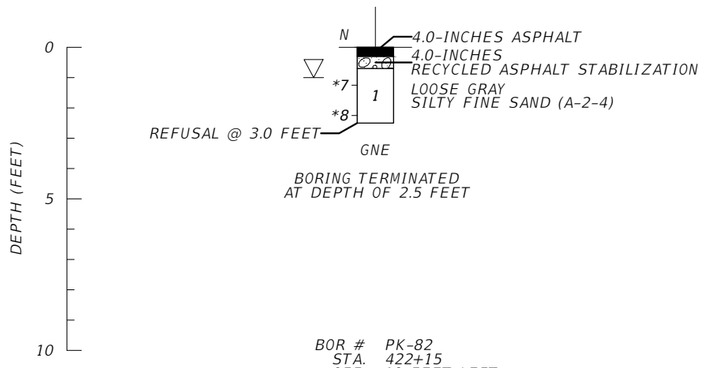
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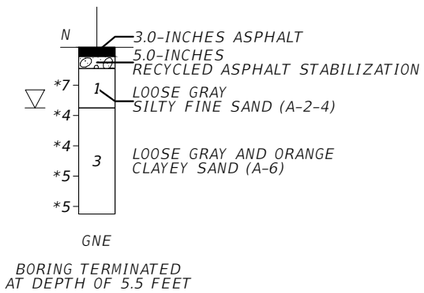
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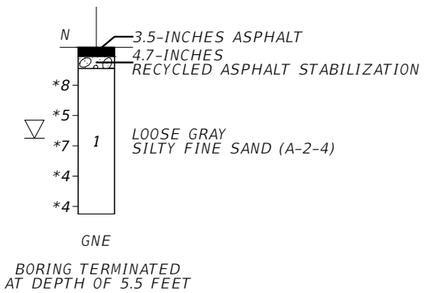
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OFF. 13 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



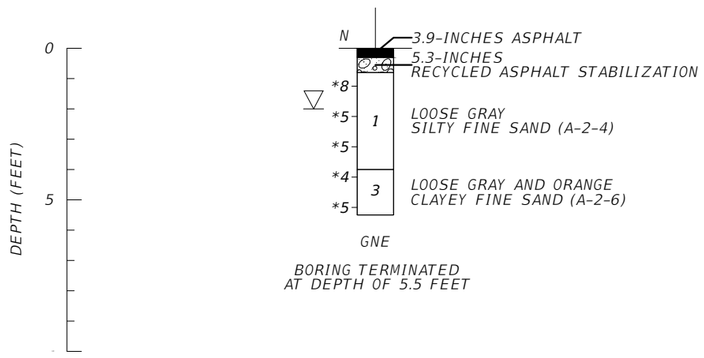
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DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



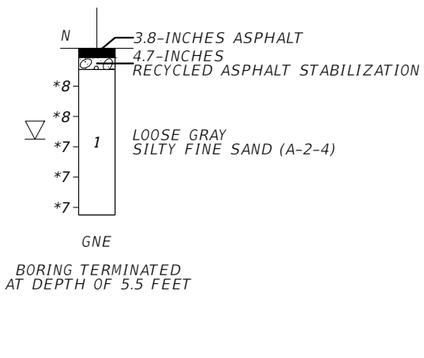
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DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



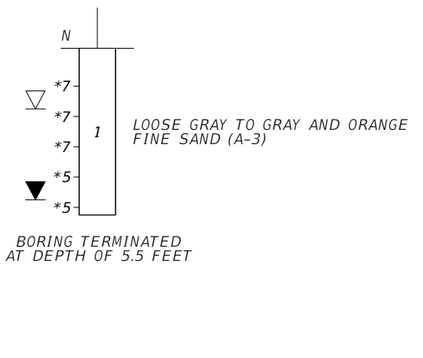
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OFF. 10 FEET LEFT
DATE 6/6/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



BOR # PK-83
STA. 427+15
OFF. 4 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



BOR # PK-84
STA. 430+48
OFF. 33 FEET RIGHT
DATE 6/5/2023
DRILLER W. CHOMAT
HAMMER CPI
RIG HAND AUGER



No.	REVISIONS	DATE	BY

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
DATE: ——

EGS PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
13-54-23-01	OCTOBER 2023	AS SHOWN	K.M	K.M	MRL

FL

REPORT OF SOIL BORINGS

CR 121
NASSAU COUNTY

SHEET NUMBER

Plotted By:EGSStudent Sheet Set:Kha Layout:Layout1 (12) ########################## U:\1 - Active Projects\(13) - Kimley-Horn\(54) - CR 121 Phase I Resurfacing Project\(01) - Pavement Eval\Report\Appendices\Apx A - Geotechnical Plan Sheets\ABORRD01.dwg
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APPENDIX B

SOIL CLASSIFICATION DATA

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-1 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.4	--											--	--	--	4.9-INCHES ASPHALT
0.4-1.0	--											--	--	--	7.1-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	21	96	94	92	91	89	73	14				8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	19											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	20											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	26	100	100	100	100	98	84	36	28	14		4	A-6	3	LOOSE GRAY CLAYEY SAND
5.0-5.5	25											4	A-6	3	LOOSE GRAY CLAYEY SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-2 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.5-INCHES ASPHALT
0.3-0.8	--											--	--	--	6.1-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	18	100	99	99	98	96	65	13				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	11											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	19											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	19											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	27											4	A-6	3	LOOSE BROWN CLAYEY SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-3 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.9-INCHES ASPHALT
0.3-1.0	--											--	--	--	8.1-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	19										1.0	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	19	100	100	100	100	98	63	13			0.7	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	10										0.7	13	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
4.0-4.5	15										1.0	9	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	20										2.2	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-4 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.2-INCHES ASPHALT
0.3-0.8	--											--	--	--	6.4-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	23	100	100	99	99	97	61	15			1.1	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	11										0.9	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	12										1.5	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	9											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	11											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: SK-1 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.5	18											--	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
1.0-1.5	22	100	100	100	100	98	73	34	28	16		10	A-2-6	3	MEDIUM DENSE GRAY CLAYEY FINE SAND
2.0-2.5	21											8	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND
3.0-3.5	16											10	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
4.0-4.5	20	100	100	100	100	98	54	13				10	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
5.0-5.5	26											9	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
6.0-7.5	22											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
7.5-9.0	24											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
9.0-10.5	23	100	100	100	100	100	38	12				10	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
10.5-12.0	22											9	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
12.5-14.0	22											11	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
15.0-16.5	22											9	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
18.0-20.0	25	100	100	100	100	99	54	18				7	A-2-4	1	LOOSE GRAY

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: SK-1 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
															SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-5 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.4-INCHES ASPHALT
0.3-0.7	--											--	--	--	4.6-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	22										1.2	7	A-2-4	2	LOOSE GRAY SILTY FINE SAND
2.0-2.5	12	100	100	100	100	99	82	27			1.0	9	A-2-4	2	LOOSE GRAY SILTY FINE SAND
3.0-3.5	11										0.2	9	A-2-4	2	LOOSE GRAY SILTY FINE SAND
4.0-4.5	13										0.4	8	A-2-4	2	LOOSE GRAY SILTY FINE SAND
5.0-5.5	17										1.7	8	A-2-4	2	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-6 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.4	--											--	--	--	4.6-INCHES ASPHALT
0.4-0.8	--											--	--	--	4.9-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	12	100	99	99	98	97	79	31				5	A-2-4	2	LOOSE GRAY SILTY FINE SAND
2.0-2.5	15											7	A-2-4	2	LOOSE GRAY SILTY FINE SAND
3.0-3.5	21											5	A-2-4	2	LOOSE GRAY SILTY FINE SAND
4.0-4.5	26	100	100	100	100	98	75	19	36	11		4	A-2-6	3	LOOSE ORANGE CLAYEY FINE SAND
5.0-5.5	26											4	A-2-6	3	LOOSE ORANGE CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-7 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.7	--											--	--	--	7.8-INCHES ASPHALT
0.7-1.0	--											--	--	--	3.5-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	20	100	100	99	99	97	56	15				8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	15											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	24	100	100	100	100	98	80	32	34	19		7	A-2-6	3	LOOSE GRAY AND ORANGE CLAYEY FINE SAND
4.0-4.5	23											5	A-2-6	3	LOOSE GRAY AND ORANGE CLAYEY FINE SAND
5.0-5.5	28											5	A-2-6	3	LOOSE GRAY AND ORANGE CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-8 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.4	--											--	--	--	4.2-INCHES ASPHALT
0.0-0.8	--											--	--	--	5.3-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	18										3.9	8	A-2-4	4	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS
2.0-2.5	18										1.0	7	A-2-4	2	LOOSE GRAY SILTY FINE SAND
3.0-3.5	26	100	100	100	100	99	69	25	NP	NP		7	A-2-4	2	LOOSE GRAY SILTY FINE SAND
4.0-4.5	25											5	A-2-4	2	LOOSE GRAY SILTY FINE SAND
5.0-5.5	22											4	A-2-4	2	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-9 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.6-INCHES ASPHALT
0.3-0.8	--											--	--	--	5.9-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	18	100	100	100	99	98	67	15			1.0	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	18										1.6	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	37											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	26	100	100	100	100	99	86	33	NP	NP		4	A-2-4	2	LOOSE GRAY AND ORANGE SILTY FINE SAND
5.0-5.5	23											3	A-2-4	2	VERY LOOSE GRAY AND ORANGE SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-10 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.4	--											--	--	--	4.7-INCHES ASPHALT
0.4-0.9	--											--	--	--	6.1-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	24										1.9	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	16	100	100	100	100	99	64	9			0.2	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	19											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	22											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	36											4	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-11 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	4.0-INCHES ASPHALT
0.3-1.0	--											--	--	--	8.3-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	12											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	14											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	20	100	100	100	99	98	83	36	39	26		5	A-6	3	LOOSE BROWN CLAYEY SAND
4.0-4.5	22											4	A-6	3	LOOSE BROWN CLAYEY SAND
5.0-5.5	18											3	A-6	3	VERY LOOSE BROWN CLAYEY SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-12 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.4	--											--	--	--	4.3-INCHES ASPHALT
0.4-0.8	--											--	--	--	5.4-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	21	99	98	97	97	95	78	18			1.1	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	15										1.4	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	19											7	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND
4.0-4.5	19	100	100	100	100	99	88	30	27	14		7	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND
5.0-5.5	18											7	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-13 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	4.0-INCHES ASPHALT
0.3-1.0	--											--	--	--	8.5-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	24										2.5	7	A-2-4	4	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS
2.0-2.5	20										4.2	7	A-2-4	4	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS
3.0-3.5	27	100	100	100	100	99	85	45	25	11	2.8	7	A-6	3	LOOSE DARK GRAY CLAYEY SAND WITH ORGANICS
4.0-4.5	21										2.1	5	A-6	3	LOOSE GRAY CLAYEY SAND
5.0-5.5	23										2.7	4	A-6	3	LOOSE DARK BROWN CLAYEY SAND WITH ORGANICS

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-14 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.8-INCHES ASPHALT
0.3-0.9	--											--	--	--	6.5-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	20	100	100	100	100	98	74	16				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	13											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	20											8	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND
4.0-4.5	20											5	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND
5.0-5.5	23											7	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-15 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.3-INCHES ASPHALT
0.3-0.6	--											--	--	--	4.0-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	8	100	100	100	100	98	60	12				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	13											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	17											8	A-2-4	1	LOOSE GRAY AND ORANGE SILTY FINE SAND
4.0-4.5	20											8	A-2-4	1	LOOSE GRAY AND ORANGE SILTY FINE SAND
5.0-5.5	19											8	A-2-4	1	LOOSE GRAY AND ORANGE SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-16 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.4	--											--	--	--	4.3-INCHES ASPHALT
0.4-1.0	--											--	--	--	7.9-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	20	100	93	91	90	88	64	12			1.4	5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	15										1.1	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	18										2.3	4	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	24	100	100	100	100	99	76	29	32	20		4	A-2-6	3	LOOSE GRAY AND ORANGE CLAYEY FINE SAND
5.0-5.5	24											4	A-2-6	3	LOOSE GRAY AND ORANGE CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-17 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.4-INCHES ASPHALT
0.3-0.9	--											--	--	--	7.6-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	19	100	92	91	90	89	59	12			1.1	5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	22										2.4	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	18										1.1	9	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	19										0.9	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	23											9	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-18 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.4-INCHES ASPHALT
0.3-0.9	--											--	--	--	6.8-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	20										0.3	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	13	100	100	100	100	99	70	13			0.4	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	20										2.9	5	A-2-4	4	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS
4.0-4.5	23										2.5	4	A-6	3	LOOSE DARK GRAY CLAYEY SAND WITH ORGANICS
5.0-5.5	22											4	A-6	3	LOOSE ORANGE AND TAN CLAYEY SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-19 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.4	--											--	--	--	4.3-INCHES ASPHALT
0.4-0.8	--											--	--	--	5.7-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	3	100	100	100	99	98	60	6				7	A-3	1	LOOSE GRAY FINE SAND
2.0-2.5	10											7	A-3	1	LOOSE GRAY FINE SAND
3.0-3.5	11											7	A-3	1	LOOSE GRAY FINE SAND
4.0-4.5	17											8	A-3	1	LOOSE GRAY FINE SAND
5.0-5.5	17											8	A-3	1	LOOSE GRAY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-20 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.0-INCHES ASPHALT
0.3-0.7	--											--	--	--	5.5-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	22											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	15	100	100	100	100	99	62	12			1.1	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	29										2.6	4	A-2-4	4	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS
4.0-4.5	38										4.0	3	A-2-4	4	VERY LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS
5.0-5.5	27	100	100	100	100	99	78	31	NP	NP	4.4	4	A-2-4	4	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-21 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.5-INCHES ASPHALT
0.3-0.8	--											--	--	--	5.5-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	21										0.1	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	21	100	100	100	100	98	64	16			0.1	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	22											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	25										1.3	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	30										1.7	5	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-22 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	4.0-INCHES ASPHALT
0.3-0.8	--											--	--	--	5.8-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	10											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	11											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	16	100	100	100	100	99	78	13				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	16											7	A-2-4	1	LOOSE ORANGE SILTY FINE SAND
5.0-5.5	13											4	A-2-4	1	LOOSE ORANGE SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-23 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.4	--											--	--	--	4.9-INCHES ASPHALT
0.4-0.7	--											--	--	--	3.6-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	9											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	16	100	100	100	99	98	56	12				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	19											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	26											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	24											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-24 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.3-INCHES ASPHALT
0.3-0.7	--											--	--	--	4.7-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	7	100	100	100	100	98	62	12				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	13											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	18											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	18											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	22											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-25 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.0-INCHES ASPHALT
0.3-0.9	--											--	--	--	8.0-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	18	100	100	100	99	99	55	12				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	15											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-26 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.4	--											--	--	--	4.7-INCHES ASPHALT
0.4-1.0	--											--	--	--	7.3-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	19										2.0	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	12	100	100	99	99	98	65	17			1.9	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	17										0.6	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	20											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	21											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-27 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.3-INCHES ASPHALT
0.3-1.0	--											--	--	--	8.7-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	22										2.1	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	13	100	99	99	98	97	56	12			1.0	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	22											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	14											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	17											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-28 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.5	--											--	--	--	5.4-INCHES ASPHALT
0.5-0.9	--											--	--	--	5.5-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	18										0.5	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	15	100	100	100	100	99	66	14			0.6	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	15											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	19											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	25											4	A-2-4	1	LOOSE ORANGE SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-29 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.0-INCHES ASPHALT
0.3-0.9	--											--	--	--	8.0-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	24	100	93	92	91	89	52	12			0.8	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	20										1.3	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	20											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	19											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	18											5	A-6	3	LOOSE GRAY CLAYEY SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-30 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.4-INCHES ASPHALT
0.3-1.0	--											--	--	--	8.1-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	20											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	14											7	A-3	1	LOOSE GRAY FINE SAND
3.0-3.5	14	100	99	99	99	98	49	4				7	A-3	1	LOOSE GRAY FINE SAND
4.0-4.5	22											7	A-2-4	1	LOOSE ORANGE SILTY FINE SAND
5.0-5.5	21											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: SK-2 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.5	23											--	A-2-4	2	MEDIUM DENSE GRAY SILTY FINE SAND
1.0-1.5	15	100	100	100	100	99	66	23				10	A-2-4	2	MEDIUM DENSE GRAY SILTY FINE SAND
2.0-2.5	18	100	100	100	100	99	73	31	28	15		10	A-2-6	3	MEDIUM DENSE GRAY CLAYEY FINE SAND
3.0-3.5	29											9	A-2-6	3	MEDIUM DENSE GRAY CLAYEY FINE SAND
4.0-4.5	22											10	A-2-4	2	MEDIUM DENSE GRAY SILTY FINE SAND
5.0-5.5	27											10	A-2-4	2	MEDIUM DENSE GRAY SILTY FINE SAND
6.0-7.5	22	100	100	100	100	98	79	36	35	23		8	A-6	3	LOOSE GRAY CLAYEY SAND
7.5-9.0	20											16	A-6	3	MEDIUM DENSE GRAY CLAYEY SAND
9.0-10.5	20											16	A-6	3	MEDIUM DENSE GRAY CLAYEY SAND
10.5-12.0	21	100	100	100	100	99	57	21				14	A-2-4	2	MEDIUM DENSE GRAY SILTY FINE SAND
12.5-14.0	23											9	A-2-4	2	MEDIUM DENSE GRAY SILTY FINE SAND
15.0-16.5	28											7	A-2-4	2	LOOSE GRAY SILTY FINE SAND
18.0-20.0	27											8	A-2-4	2	LOOSE GRAY

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: SK-2 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
															SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-31 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.3-INCHES ASPHALT
0.3-0.8	--											--	--	--	5.8-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	19	100	100	100	99	99	78	31				7	A-2-4	2	LOOSE GRAY SILTY FINE SAND
2.0-2.5	31											7	A-2-4	2	LOOSE GRAY SILTY FINE SAND
3.0-3.5	24											8	A-2-4	2	LOOSE GRAY SILTY FINE SAND
4.0-4.5	25											8	A-2-4	2	LOOSE GRAY SILTY FINE SAND
5.0-5.5	19											8	A-2-4	2	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-32 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	4.1-INCHES ASPHALT
0.3-0.8	--											--	--	--	5.9-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	20	99	97	96	96	94	63	13				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	16											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	24	100	100	100	100	99	75	36	21	11		4	A-6	3	LOOSE GRAY AND ORANGE CLAYEY SAND
4.0-4.5	26											4	A-6	3	LOOSE GRAY AND ORANGE CLAYEY SAND
5.0-5.5	24											4	A-6	3	LOOSE GRAY AND ORANGE CLAYEY SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-33 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.2	--											--	--	--	2.7-INCHES ASPHALT
0.2-0.7	--											--	--	--	5.5-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	20	100	100	99	99	98	64	15			0.9	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	20										0.3	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	18											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	19											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	19											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-34 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	4.0-INCHES ASPHALT
0.3-0.9	--											--	--	--	6.5-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	20	100	91	89	88	87	81	13			1.7	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	11										1.4	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	26	100	100	100	100	100	78	27	25	11		5	A-2-6	3	LOOSE ORANGE CLAYEY FINE SAND
4.0-4.5	19											5	A-2-4	2	LOOSE GRAY SILTY FINE SAND
5.0-5.5	20											5	A-2-4	2	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-35 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.2-INCHES ASPHALT
0.3-0.8	--											--	--	--	5.8-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	21	100	97	97	96	95	70	14			0.1	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	28										0.4	5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	24											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	26	100	100	100	100	100	88	32	28	16		4	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND
5.0-5.5	37											4	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-36 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	4.1-INCHES ASPHALT
0.3-0.9	--											--	--	--	6.1-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	21										0.7	7	A-3	1	LOOSE GRAY FINE SAND
2.0-2.5	4	100	100	100	99	97	53	8			0.3	7	A-3	1	LOOSE GRAY FINE SAND
3.0-3.5	12											8	A-3	1	LOOSE GRAY FINE SAND
4.0-4.5	16											8	A-3	1	LOOSE GRAY FINE SAND
5.0-5.5	17											4	A-3	1	LOOSE GRAY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-37 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.7-INCHES ASPHALT
0.3-0.8	--											--	--	--	5.7-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	16	100	100	100	100	99	59	12				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	10											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	9											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	9											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	12											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-38 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.0-INCHES ASPHALT
0.3-0.9	--											--	--	--	8.0-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	22										1.0	5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	17	100	100	100	99	98	55	11			3.0	7	A-2-4	4	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS
3.0-3.5	18										1.1	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	22											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	20											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-39 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.2	--											--	--	--	2.5-INCHES ASPHALT
0.2-0.8	--											--	--	--	6.5-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	23										1.0	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	20	100	100	100	100	99	63	15			2.6	7	A-2-4	4	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS
3.0-3.5	12										0.2	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	16											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	21	100	100	100	100	100	84	34	23	11		4	A-2-6	3	LOOSE GRAY AND ORANGE CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-40 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	4.0-INCHES ASPHALT
0.3-0.8	--											--	--	--	6.0-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	15	100	100	100	100	99	59	12				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	15											8	A-2-4	1	LOOSE BROWN SILTY FINE SAND
3.0-3.5	17											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	17											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	21											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-41 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.2	--											--	--	--	2.8-INCHES ASPHALT
0.2-0.6	--											--	--	--	4.2-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	19										1.5	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	23	100	100	99	99	98	58	12			0.6	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	20											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	23											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	24											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-42 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.4	--											--	--	--	4.6-INCHES ASPHALT
0.4-1.1	--											--	--	--	8.6-INCHES LIMEROCK BASE
1.1-1.5	12											--	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	13											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	21	100	96	96	96	95	68	31	22	11		4	A-2-6	3	LOOSE GRAY AND ORANGE CLAYEY FINE SAND
4.0-4.5	27											4	A-2-6	3	LOOSE GRAY AND ORANGE CLAYEY FINE SAND
5.0-5.5	22											4	A-2-6	3	LOOSE GRAY AND ORANGE CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-43 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.3-INCHES ASPHALT
0.3-0.9	--											--	--	--	7.7-INCHES LIMEROCK BASE
1.0-1.5	19	100	100	100	96	82	55	19			0.9	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	12										1.4	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	16										1.5	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	13										1.9	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	13										1.8	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-44 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.3-INCHES ASPHALT
0.3-1.0	--											--	--	--	9.2-INCHES LIMEROCK BASE
1.0-1.5	17										1.1	7	A-2-4	2	LOOSE GRAY SILTY FINE SAND
2.0-2.5	19	100	97	96	93	82	58	22			0.2	7	A-2-4	2	LOOSE GRAY SILTY FINE SAND
3.0-3.5	9										2.1	8	A-2-4	2	LOOSE GRAY SILTY FINE SAND
4.0-4.5	8										0.2	7	A-2-4	2	LOOSE GRAY SILTY FINE SAND
5.0-5.5	7										2.5	7	A-2-4	4	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-45 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	4.0-INCHES ASPHALT
0.3-1.5	--											--	--	--	13.5-INCHES LIMEROCK BASE
2.0-2.5	7	100	100	100	97	82	60	17			0.6	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	11											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	7											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	7											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-46 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.8-INCHES ASPHALT
0.3-1.0	--											--	--	--	8.3-INCHES LIMEROCK BASE
1.0-1.5	15	100	94	90	86	75	53	16			0.9	9	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	15										0.9	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	15										0.9	5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	16										0.8	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	13										0.9	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-47 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.4	--											--	--	--	4.2-INCHES ASPHALT
0.4-1.0	--											--	--	--	8.3-INCHES LIMEROCK BASE
1.0-1.5	19	91	85	77	72	67	54	17				10	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	10										1.4	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	18											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	19	100	100	100	100	99	86	31	28	13		4	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND
5.0-5.5	18											4	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-48 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.4	--											--	--	--	4.3-INCHES ASPHALT
0.4-1.4	--											--	--	--	12.7-INCHES LIMEROCK BASE
1.4-1.5	16	100	91	84	80	76	58	21				--	A-2-4	2	LOOSE GRAY SILTY FINE SAND
2.0-2.5	11											8	A-2-4	2	LOOSE GRAY SILTY FINE SAND
3.0-3.5	13											7	A-2-4	2	LOOSE GRAY SILTY FINE SAND
4.0-4.5	18											5	A-2-4	2	LOOSE GRAY SILTY FINE SAND
5.0-5.5	16											5	A-2-4	2	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-49 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.4-INCHES ASPHALT
0.3-0.8	--											--	--	--	6.3-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	21											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	11	100	100	100	99	98	73	12				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	18											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	19	100	100	100	100	100	75	28	27	11		4	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND
5.0-5.5	19											4	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-50 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.0-INCHES ASPHALT
0.3-0.8	--											--	--	--	6.0-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	11	100	100	100	99	99	67	17				5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	16											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	19											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	15											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	16											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-51 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.6-INCHES ASPHALT
0.3-0.9	--											--	--	--	7.3-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	10											8	A-3	1	LOOSE GRAY FINE SAND
2.0-2.5	14	100	100	100	99	99	75	7				8	A-3	1	LOOSE GRAY FINE SAND
3.0-3.5	21											4	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND
4.0-4.5	28	100	100	100	100	99	72	26	32	13		4	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND
5.0-5.5	23											4	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-52 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.5-INCHES ASPHALT
0.3-0.8	--											--	--	--	6.0-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	9											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	14											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	24	100	100	99	99	98	59	23	25	16		4	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND
4.0-4.5	24											4	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND
5.0-5.5	23											4	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-53 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.4	--											--	--	--	4.8-INCHES ASPHALT
0.4-0.8	--											--	--	--	5.1-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	25	100	97	97	97	96	47	12				5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	17											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	16											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	18											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	26											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-54 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.2-INCHES ASPHALT
0.3-1.0	--											--	--	--	8.8-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	11	100	100	100	99	99	53	13				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	19											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	21											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	16											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	16											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-55 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.1-INCHES ASPHALT
0.3-0.8	--											--	--	--	6.7-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	11										1.1	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	13	100	94	94	94	93	68	12			1.1	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	21											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	22											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	26											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-56 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.5-INCHES ASPHALT
0.3-0.8	--											--	--	--	6.5-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	12										0.9	5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	13	100	100	100	100	99	77	18			1.2	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	23											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	14											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	19											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-57 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.2	--											--	--	--	2.8-INCHES ASPHALT
0.2-0.8	--											--	--	--	6.2-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	22										0.9	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	13										0.1	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	21											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	21	100	100	100	100	99	88	36	28	15		4	A-6	3	LOOSE GRAY AND ORANGE CLAYEY SAND
5.0-5.5	24											4	A-6	3	LOOSE GRAY AND ORANGE CLAYEY SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-58 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.0-INCHES ASPHALT
0.3-1.0	--											--	--	--	8.4-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	21										2.3	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	11										2.5	7	A-2-4	4	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS
3.0-3.5	18	100	100	100	100	99	69	12			1.2	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	21										2.6	4	A-2-4	4	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS
5.0-5.5	17											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-59 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.2	--											--	--	--	2.7-INCHES ASPHALT
0.2-0.7	--											--	--	--	5.3-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	25										1.0	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	22	100	100	100	100	98	56	12			0.5	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	18										0.8	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	15										1.8	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	22											5	A-2-6	3	LOOSE GRAY CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: SK-3 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.5	35										9.6	--	A-2-4	5	MEDIUM DENSE DARK GRAY ORGANIC SILTY FINE SAND
1.0-1.5	19	100	100	100	99	98	59	12			1.0	12	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
2.0-2.5	33										6.2	10	A-2-4	5	MEDIUM DENSE DARK BROWN ORGANIC SILTY FINE SAND
3.0-3.5	20										5.2	10	A-2-4	5	MEDIUM DENSE DARK BROWN ORGANIC SILTY FINE SAND
4.0-4.5	19										5.1	10	A-2-4	5	MEDIUM DENSE DARK BROWN ORGANIC SILTY FINE SAND
5.0-5.5	18										4.1	13	A-2-4	4	MEDIUM DENSE DARK BROWN SILTY FINE SAND WITH ORGANICS
6.0-7.5	23	100	100	100	100	99	50	14			2.4	17	A-2-4	1	MEDIUM DENSE BROWN SILTY FINE SAND
7.5-9.0	21										2.3	12	A-2-4	1	MEDIUM DENSE BROWN SILTY FINE SAND
9.0-10.5	20											8	A-2-4	1	LOOSE BROWN SILTY FINE SAND
10.5-12.0	25											8	A-2-4	1	LOOSE BROWN SILTY FINE SAND
12.5-14.0	17											8	A-2-4	1	LOOSE BROWN SILTY FINE SAND
15.0-16.5	18											13	A-2-4	1	MEDIUM DENSE BROWN SILTY FINE SAND
18.0-20.0	15	100	100	100	100	99	39	12				10	A-2-4	1	MEDIUM DENSE BROWN

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: SK-3 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
															SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-60 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.4-INCHES ASPHALT
0.3-0.8	--											--	--	--	6.2-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	20										1.3	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	15	100	100	100	100	98	78	13			4.0	4	A-2-4	4	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS
3.0-3.5	12										1.5	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	17											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	15											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-61 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.5	5											--	A-3	1	LOOSE GRAY FINE SAND
1.0-1.5	5	100	100	99	98	97	49	8				8	A-3	1	LOOSE GRAY FINE SAND
2.0-2.5	8											8	A-3	1	LOOSE GRAY FINE SAND
3.0-3.5	11											7	A-3	1	LOOSE GRAY FINE SAND
4.0-4.5	19											5	A-3	1	LOOSE GRAY FINE SAND
5.0-5.5	21											5	A-3	1	LOOSE GRAY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-62 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.5	6											--	A-2-4	1	LOOSE GRAY SILTY FINE SAND
1.0-1.5	7	100	100	100	100	99	49	12				8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	11											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	22											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	22											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	24											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-63 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.5	10											--	A-3	1	LOOSE GRAY FINE SAND
1.0-1.5	7	100	100	99	98	93	49	9				8	A-3	1	LOOSE GRAY FINE SAND
2.0-2.5	9											7	A-3	1	LOOSE GRAY FINE SAND
3.0-3.5	14											7	A-3	1	LOOSE GRAY FINE SAND
4.0-4.5	21											7	A-3	1	LOOSE GRAY FINE SAND
5.0-5.5	14											5	A-3	1	LOOSE GRAY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-64 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.2	--											--	--	--	2.7-INCHES ASPHALT
0.2-0.7	--											--	--	--	5.1-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	22										0.5	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	21	100	100	100	100	99	61	18			2.0	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	21										1.1	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	19										1.7	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	20											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-65 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.5	13											--	A-3	1	LOOSE GRAY FINE SAND
1.0-1.5	11	100	78	75	73	70	44	6				7	A-3	1	LOOSE GRAY FINE SAND
2.0-2.5	16											7	A-3	1	LOOSE GRAY FINE SAND
3.0-3.5	15											5	A-3	1	LOOSE GRAY FINE SAND
4.0-4.5	20											4	A-3	1	LOOSE GRAY FINE SAND
5.0-5.5	23											4	A-3	1	LOOSE GRAY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-66 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.0-INCHES ASPHALT
0.3-0.7	--											--	--	--	5.0-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	13	100	100	100	99	98	59	12			2.4	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	11										0.6	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	23										1.7	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	11											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	15											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-67 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.2	--											--	--	--	2.7-INCHES ASPHALT
0.2-0.6	--											--	--	--	5.0-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	10											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	10	100	100	100	100	99	59	12				8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	8											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	14											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	20											4	A-2-4	1	LOOSE GRAY AND ORANGE SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-68 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.2-INCHES ASPHALT
0.3-0.8	--											--	--	--	6.0-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	10	100	100	100	100	99	57	13				8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	8											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	16											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	25											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	19											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-69 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.2-INCHES ASPHALT
0.3-0.6	--											--	--	--	4.5-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	13										1.9	8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	14	100	100	100	100	99	51	19			0.4	7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	18											5	A-6	3	LOOSE GRAY AND ORANGE CLAYEY SAND
4.0-4.5	24											5	A-6	3	LOOSE GRAY AND ORANGE CLAYEY SAND
5.0-5.5	24											5	A-6	3	LOOSE GRAY AND ORANGE CLAYEY SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-70 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.6-INCHES ASPHALT
0.3-0.8	--											--	--	--	6.0-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	7											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	8	100	100	100	100	99	64	15				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	12											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	18											4	A-6	3	LOOSE GRAY CLAYEY SAND
5.0-5.5	20	100	100	100	100	99	83	36	30	15		4	A-6	3	LOOSE GRAY CLAYEY SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-71 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.1-INCHES ASPHALT
0.3-0.8	--											--	--	--	6.4-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	9	100	100	100	99	99	59	16				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	15											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	17											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	17											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	18											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: SK-4 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.5	46											--	A-2-4	2	MEDIUM DENSE GRAY SILTY FINE SAND
1.0-1.5	22	100	100	100	100	99	77	21				10	A-2-4	2	MEDIUM DENSE GRAY SILTY FINE SAND
2.0-2.5	53											8	A-2-4	2	LOOSE GRAY SILTY FINE SAND
3.0-3.5	22											10	A-2-4	2	MEDIUM DENSE GRAY SILTY FINE SAND
4.0-4.5	23	100	100	100	100	100	73	36	31	15		10	A-6	3	MEDIUM DENSE GRAY CLAYEY SAND
5.0-5.5	20											9	A-6	3	MEDIUM DENSE GRAY CLAYEY SAND
6.0-7.5	24											15	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
7.5-9.0	20											12	A-3	1	MEDIUM DENSE GRAY FINE SAND
9.0-10.5	20	100	100	100	100	100	34	6				13	A-3	1	MEDIUM DENSE GRAY FINE SAND
10.5-12.0	25											13	A-3	1	MEDIUM DENSE GRAY FINE SAND
12.5-14.0	20											9	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
15.0-16.5	19											12	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
18.0-20.0	18	100	100	100	100	100	100	19				11	A-2-4	1	MEDIUM DENSE GRAY

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: SK-4 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
															SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-72 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.0-INCHES ASPHALT
0.3-0.9	--											--	--	--	7.5-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	17	100	98	98	97	96	58	15				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	14											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	11											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	19											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	19											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-73 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3												--	--	--	3.8-INCHES ASPHALT
0.3-0.8	--											--	--	--	6.3-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	7	100	100	100	100	99	71	26			1.0	7	A-2-4	2	LOOSE GRAY SILTY FINE SAND
2.0-2.5	5										0.2	7	A-2-4	2	LOOSE GRAY SILTY FINE SAND
3.0-3.5	16										1.6	7	A-2-4	2	LOOSE GRAY SILTY FINE SAND
4.0-4.5	18										1.5	5	A-2-4	2	LOOSE GRAY SILTY FINE SAND
5.0-5.5	17										1.5	5	A-2-4	2	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-74 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.2	--											--	--	--	2.7-INCHES ASPHALT
0.2-0.8	--											--	--	--	7.3-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	9										1.1	8	A-2-4	2	LOOSE GRAY SILTY FINE SAND
2.0-2.5	9	100	100	100	100	99	72	27			0.6	8	A-2-4	2	LOOSE GRAY SILTY FINE SAND
3.0-3.5	12										0.7	8	A-2-4	2	LOOSE GRAY SILTY FINE SAND
4.0-4.5	18											5	A-2-4	2	LOOSE GRAY SILTY FINE SAND
5.0-5.5	15											5	A-2-4	2	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-75 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.8-INCHES ASPHALT
0.3-0.8	--											--	--	--	5.6-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	7											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	7	100	100	100	100	98	57	13				8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	20											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	18											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	16											5	A-2-4	1	LOOSE BROWN AND GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-76 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.2	--											--	--	--	2.5-INCHES ASPHALT
0.0-0.7	--											--	--	--	6.0-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	14											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	16	100	99	99	98	97	62	15				7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	9											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	17											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	16											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-77 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.1-INCHES ASPHALT
0.3-0.7	--											--	--	--	5.5-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	22											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	17											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	18	100	100	100	100	100	67	33	38	19		4	A-2-6	3	LOOSE GRAY AND ORANGE CLAYEY FINE SAND
4.0-4.5	18											4	A-2-6	3	LOOSE GRAY AND ORANGE CLAYEY FINE SAND
5.0-5.5	19											4	A-2-6	3	LOOSE GRAY AND ORANGE CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-78 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.2	--											--	--	--	2.5-INCHES ASPHALT
0.2-0.7	--											--	--	--	6.0-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	18											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	25	100	100	100	100	100	91	42				4	A-6	3	LOOSE GRAY CLAYEY SAND
3.0-3.5	22											5	A-6	3	LOOSE GRAY CLAYEY SAND
4.0-4.5	21											5	A-6	3	LOOSE GRAY AND ORANGE CLAYEY SAND
5.0-5.5	24											4	A-6	3	LOOSE GRAY AND ORANGE CLAYEY SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: SK-5 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.5	11										1.5	--	A-2-4	1	LOOSE GRAY SILTY FINE SAND
1.0-1.5	31										10.3	8	A-2-4	5	LOOSE DARK GRAY ORGANIC SILTY FINE SAND
2.0-2.5	20	100	100	100	100	100	61	19			0.9	9	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
3.0-3.5	21										1.7	9	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
4.0-4.5	17											10	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
5.0-5.5	21											10	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
6.0-7.5	22											15	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
7.5-9.0	26	100	100	100	100	100	49	12				21	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
9.0-10.5	26											13	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
10.5-12.0	23											11	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
12.5-14.0	23											11	A-2-4	1	MEDIUM DENSE GRAY SILTY FINE SAND
15.0-16.5	24											6	A-2-4	1	LOOSE GRAY SILTY FINE SAND
18.0-20.0	27	100	100	100	100	98	42	13				8	A-2-4	1	LOOSE GRAY

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: SK-5 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
															SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-79 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	4.0-INCHES ASPHALT
0.3-0.7	--											--	--	--	4.0-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	18											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	14	100	100	100	99	99	66	17				8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.5															REFUSAL

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-80 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.0-INCHES ASPHALT
0.3-0.7	--											--	--	--	5.0-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	14											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	24	100	100	100	100	100	82	36	40	25		4	A-6	3	LOOSE GRAY AND ORANGE CLAYEY SAND
3.0-3.5	26											4	A-6	3	LOOSE GRAY AND ORANGE CLAYEY SAND
4.0-4.5	11											5	A-6	3	LOOSE GRAY AND ORANGE CLAYEY SAND
5.0-5.5	16											5	A-6	3	LOOSE GRAY AND ORANGE CLAYEY SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-81 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.5-INCHES ASPHALT
0.3-0.7	--											--	--	--	4.7-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	19											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	15	100	100	100	100	99	58	13				5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	15											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	14											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	17											4	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-82 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.9-INCHES ASPHALT
0.3-0.8	--											--	--	--	5.3-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	18	100	100	99	99	98	55	12				8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	19											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	18											5	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	20	100	100	100	100	99	65	31	28	13		4	A-2-6	3	LOOSE GRAY AND ORANGE CLAYEY FINE SAND
5.0-5.5	23											5	A-2-6	3	LOOSE GRAY AND ORANGE CLAYEY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-83 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.3	--											--	--	--	3.8-INCHES ASPHALT
0.3-0.7	--											--	--	--	4.7-INCHES RECYCLED ASPHALT STABILIZATION
1.0-1.5	20	100	100	100	100	99	44	12				8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
2.0-2.5	14											8	A-2-4	1	LOOSE GRAY SILTY FINE SAND
3.0-3.5	23											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
4.0-4.5	20											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND
5.0-5.5	20											7	A-2-4	1	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 PAVEMENT EVALUATION FROM DUVAL COUNTY LINE TO CR 119

Client: KIMLEY-HORN ANS ASSOCIATES, INC. **Project No.: 13-54-23-01**

Boring: PK-84 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	AASHTO	Mat. No.	Description
0.0-0.5	9											--	A-3	1	LOOSE GRAY FINE SAND
1.0-1.5	15	100	100	100	99	98	50	5				7	A-3	1	LOOSE GRAY FINE SAND
2.0-2.5	21											7	A-3	1	LOOSE GRAY FINE SAND
3.0-3.5	24											7	A-3	1	LOOSE GRAY FINE SAND
4.0-4.5	21											5	A-3	1	LOOSE GRAY AND ORANGE FINE SAND
5.0-5.5	19											5	A-3	1	LOOSE GRAY AND ORANGE FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

APPENDIX C

PAVEMENT EVALUATION CORING AND CONDITION DATA

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 1

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PAVEMENT EVALUATION CORING AND CONDITION DATA

675-030-09
Materials
3/13

Cored by: E. PUCKETT, ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. (EGS) Date: 06-05-23 Page: 1 of 6 Typical Section No.: 1

Roadway Section:			Name: CR 121 PAVEMENT EVALUATION			Lanes: 2
Fin. Proj. ID:			From: DUVAL COUNTY LINE			Shoulder Type and Condition:
F. A. Proj. No.:			To: CR 119			Inside: NONE
County: NASSAU	SR No.:	Beg MP:	End MP:	Lgth:		Outside: GRASS
Median Curbed (Y / N): N	Paved:	Lawn:	Other:			Curb & Gutter (Y / N): N

Core No.	Distance [1] (mi.)	Lane	Wheel Path	Pavement Layer (in.)			Base (in.)			Crack				Pavement Condition	Rut Depth (in.)	Cross Slope (%)	Cross Slope Direct.	PROJECT COMMENTS
				Top FC3	SP12.5	Core Lgth. (in.)	Un-bonded RAS [2]	Bonded RAS [2]	LR	Depth (in.)	Type	Class	Extent					
PK-1	0.011	R1	Y	1.5	3.4	4.9	7.1			4.90	C	II	M	POOR	0.30	2.00	O	SPALLING
PK-2	0.106	L1	N	1.2	2.3	3.5	6.1			2.00	C	III	M	POOR	0.50	1.00	O	LIGHT RAVELING, SPALLING, SHOVING
PK-3	0.201	R1	Y	1.0	2.9	3.9		8.1		3.90	B	II	M	POOR	0.30	2.10	O	LIGHT RAVELING, TRANSVERSE CRACK
PK-4	0.295	L1	Y	1.5	1.7	3.2	6.4			3.20	C	II	M	POOR	0.40	1.50	O	LIGHT RAVELING, SPALLING, SHOVING
PK-5	0.390	R1	Y	1.2	2.2	3.4	4.6			3.40	C	II	M	POOR	0.40	2.70	O	LIGHT RAVELING
PK-6	0.485	L1	Y	1.3	3.3	4.6	4.9			1.50	C	II	M	POOR	0.40	1.30	O	SEPARATION AT 1.4-INCHES, TRANSVERSE CRACK, LIGHT RAVELING, SPALLING
PK-7	0.580	R1	Y	1.0	3.3	4.3		3.5		- -	A	- -	- -	POOR	0.30	1.20	O	PATCH IN OWP AND IWP
PK-8	0.674	L1	Y	1.2	3.0	4.2	5.3			- -	A	- -	- -	POOR	0.10	1.1 / 1.5	O / I	MODERATE RAVELING, SPALLING
PK-9	0.769	R1	Y	1.1	2.5	3.6	5.9			- -	A	- -	- -	GOOD	0.10	3.00	O	PATCH
PK-10	0.864	L1	Y	1.1	3.6	4.7		6.1		- -	A	- -	- -	POOR	0.10	1.00	O	PATCH, LIGHT RAVELING, SPALLING
PK-11	0.958	R1	N	1.1	2.9	4.0	8.3			4.00	A	II	L	FAIR	0.10	3.20	O	TRANSVERSE CRACKING, LIGHT RAVELING, SPALLING
PK-12	1.053	L1	Y	1.0	3.3	4.1	5.4			- -	A	- -	- -	POOR	0.20	0.80	O	SEPARATION AT 2.1-INCHES, PATCH, 2.0-INCHES BOTTOM UP CRACK, MODERATE RAVELING
PK-13	1.148	R1	N	1.4	2.6	4.0	8.5			- -	A	IB	L	GOOD	0.10	4.30	O	TRANSVERSE CRACKING
PK-14	1.148	L1	Y	1.2	2.6	3.8	6.5			3.80	D	III	S	POOR	0.50	0.60	O	2.0-INCHES SPALLING TO STRUCTURAL COURSE, LIGHT RAVELING, SHOVING

NOTES: 1. DISTANCE IS MEASURED ALONG APPROXIMATE CENTERLINE OF EXISTING CR 121 FROM DUVAL COUNTY LINE.

2. RAS REFERS TO RECYCLED ASPHALT STABILIZATION BASE FROM FULL DEPTH RELCAMATION OPERATIONS.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 1

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PAVEMENT EVALUATION CORING AND CONDITION DATA

675-030-09
Materials
3/13

Cored by: E. PUCKETT, ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. (EGS) Date: 06-05-23 Page: 2 of 6 Typical Section No.: 1

Roadway Section:			Name: CR 121 PAVEMENT EVALUATION			Lanes: 2	
Fin. Proj. ID:			From: DUVAL COUNTY LINE			Shoulder Type and Condition:	
F. A. Proj. No.:			To: CR 119			Inside: NONE	
County: NASSAU	SR No.:	Beg MP:	End MP:	Lgth:		Outside: GRASS	
Median Curbed (Y / N): N	Paved:	Lawn:	Other:			Curb & Gutter (Y / N): N	

Core No.	Distance [1] (mi.)	Lane	Wheel Path	Pavement Layer (in.)			Base (in.)			Crack				Pavement Condition	Rut Depth (in.)	Cross Slope (%)	Cross Slope Direct.	PROJECT COMMENTS
				Top FC3	SP12.5	Core Lgth. (in.)	Un-bonded RAS [2]	Bonded RAS [2]	LR	Depth (in.)	Type	Class	Extent					
PK-15	1.337	R1	Y	1.3	2.0	3.3		4.0		- -	A	- -	- -	POOR	0.20	2.00	O	PATCH, LIGHT RAVELING
PK-16	1.432	L1	Y	1.2	3.1	4.3	7.9			2.50	C	II	M	POOR	0.30	0.30	O	LIGHT RAVELING, SPALLING, SHOVING, POSSIBLE ALLIGATOR CRACKING IN IWP
PK-17	1.527	R1	Y	1.2	2.2	3.4	7.6			3.40	B	IB	L	POOR	0.30	3.40	O	
PK-18	1.621	L1	Y	1.1	2.3	3.4	6.8			3.40	C	II	M	POOR	0.40	1.60	O	ALLIGATOR CRACKING, LIGHT RAVELING, SPALLING
PK-19	1.716	R1	Y	1.1	3.2	4.3	5.7			- -	A	- -	- -	GOOD	0.10	1.50	O	2.9-INCHES BOTTOM UP CRACK, SPALLING, LIGHT RAVELING
PK-20	1.811	L1	Y	1.1	1.9	3.0	5.5			- -	A	- -	- -	POOR	0.60	1.40	O	MODERATE PATCH, PATCH ON PATCH, LIGHT RAVELING, SPALLING
PK-21	1.905	R1	N	1.0	2.5	3.5	5.5			9.00	C	II	M	POOR	0.30	2.70	O	9.0-INCHES CRACK THROUGH BASE, TRANSVERSE CRACKING, SPALLING, LIGHT RAVELING
PK-22	2.000	L1	N	1.1	2.9	4.0	5.8			2.00	C	II	M	POOR	0.60	1.00	O	LIGHT RAVELING, SPALLING, SHOVING
PK-23	2.095	R1	Y	1.5	3.4	4.9	3.6			- -	A	- -	- -	POOR	0.40	2.40	O	PATCH IN R1, LIGHT RAVELING, SPALLING
PK-24	2.189	L1	Y	1.1	2.2	3.3		4.7		3.30	B	III	M	POOR	0.30	1.00	O	8.0-INCHES CRACK THROUGH BASE, LIGHT RAVELING
PK-25	2.284	R1	N	1.0	2.0	3.0	8.0			3.00	C	II	M	POOR	0.60	4.90	O	LIGHT RAVELING, SPALLING, SHOVING
PK-26	2.372	L1	N	1.2	3.5	4.7		7.3		4.70	B	IB	L	POOR	0.20	2.10	O	12.0-INCHES CRACK THROUGH BASE, PATCH
PK-27	2.473	R1	N	1.4	1.9	3.3	8.7			3.30	D	IB	M	POOR	0.60	2.40	O	LIGHT RAVELING, SPALLING, SHOVING
PK-28	2.568	L1	Y	1.5	3.9	5.4		5.5		3.00	C	III	S	POOR	0.30	0.20	O	LIGHT RAVELING, SPALLING

NOTES: 1. DISTANCE IS MEASURED ALONG APPROXIMATE CENTERLINE OF EXISTING CR 121 FROM DUVAL COUNTY LINE.

2. RAS REFERS TO RECYCLED ASPHALT STABILIZATION BASE FROM FULL DEPTH RELCAMATION OPERATIONS.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 1

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PAVEMENT EVALUATION CORING AND CONDITION DATA

675-030-09
Materials
3/13

Cored by: E. PUCKETT, ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. (EGS) Date: 06-05-23 Page: 3 of 6 Typical Section No.: 1

Roadway Section:		Name: CR 121 PAVEMENT EVALUATION			Lanes: 2
Fin. Proj. ID:		From: DUVAL COUNTY LINE			Shoulder Type and Condition:
F. A. Proj. No.:		To: CR 119			Inside: NONE
County: NASSAU	SR No.:	Beg MP:	End MP:	Lgth:	Outside: GRASS
Median Curbed (Y / N): N	Paved:	Lawn:	Other:		Curb & Gutter (Y / N): N

Core No.	Distance[1] (mi.)	Lane	Wheel Path	Pavement Layer (in.)			Base (in.)			Crack				Pavement Condition	Rut Depth (in.)	Cross Slope (%)	Cross Slope Direct.	PROJECT COMMENTS
				Top FC3	SP12.5	Core Lgth. (in.)	Un-bonded RAS[2]	Bonded RAS[2]	LR	Depth (in.)	Type	Class	Extent					
PK-29	2.663	R1	Y	1.1	1.9	3.0	8.0			3.00	C	II	M	POOR	0.90	2.90	O	LIGHT RAVELING, SPALLING, SHOVING
PK-30	2.758	L1	Y	1.1	2.3	3.4	8.1			3.40	B	II	S	POOR	0.60	0.60	I	ALLIGATOR CRACKING, LIGHT RAVELING, SPALLING
PK-31	2.852	R1	Y	1.5	1.8	3.3	5.8			3.30	C	II	M	POOR	0.30	3.10	O	TRANSVERSE CRACKING, LIGHT RAVELING, SPALLING
PK-32	2.947	L1	Y	1.0	3.1	4.1		5.9		4.10	C	III	S	POOR	0.20	0.80	O	10.0-INCH CRACK THROUGH BASE, TRANSVERSE CRACKING, LIGHT RAVELING, SPALLING
PK-33	3.042	R1	Y	1.1	1.6	2.7	5.5			2.70	D	IB	M	FAIR	0.20	2.80	O	LIGHT RAVELING
PK-34	3.136	L1	Y	1.1	2.9	4.0	6.5			9.80	A	- -	- -	POOR	0.20	1.70	O	9.8-INCHES BOTTOM UP CRACK, PATCH
PK-35	3.231	R1	N	1.3	1.9	3.2	5.8			3.20	C	II	M	POOR	0.50	3.20	O	TRANSVERSE CRACKING, LIGHT RAVELING, SHOVING
PK-36	3.326	L1	Y	1.3	2.8	4.1		6.1		4.10	B	III	S	POOR	0.30	0.80	O	10.2-INCHES CRACK THROUGH BASE, LIGHT RAVELING, SPALLING, SHOVING, TRANSVERSE CRACKING
PK-37	3.420	R1	N	1.5	2.2	3.7		5.7		2.00	C	II	M	FAIR	0.20	1.90	I	SUPERELEVATED CURVE, LIGHT RAVELING, SPALLING, GRINDING
PK-38	3.515	L1	Y	1.2	1.8	3.0		8.0		3.00	D	IB	M	POOR	0.60	5.80	O	8.0-INCHES CRACK THROUGH BASE, ALLIGATOR CRACKING, LIGHT RAVELING, SPALLING
PK-39	3.610	R1	N	1.4	1.1	2.5	6.5			2.50	C	IB	M	POOR	0.40	4.50	I	SUPERELEVATED CURVE, LIGHT RAVELING, SPALLING
PK-40	3.705	L1	N	1.4	2.6	4.0		6.0		1.30	B	IB	L	FAIR	0.10	1.10	O	LIGHT RAVELING, SPALLING
PK-41	3.799	R1	Y	1.2	1.6	2.8	4.2			2.80	D	IB	S	POOR	1.00	2.00	O	SEVERE RAVELING, RAVELING TO STRUCTURAL COURSE, SPALLING TO STRUCTRAL COURSE, ALLIGATOR CRACKING
PK-42	3.894	L1	Y	0.9	3.7	4.6			8.6	- -	A	- -	- -	POOR	0.50	1.20	O	LIGHT RAVELING, SPALLING, PATCH IN OWP

NOTES: 1. DISTANCE IS MEASURED ALONG APPROXIMATE CENTERLINE OF EXISTING CR 121 FROM DUVAL COUNTY LINE.

2. RAS REFERS TO RECYCLED ASPHALT STABILIZATION BASE FROM FULL DEPTH RELCAMATION OPERATIONS.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 1

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PAVEMENT EVALUATION CORING AND CONDITION DATA

675-030-09
Materials
3/13

Cored by: E. PUCKETT, ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. (EGS) Date: 06-05-23 Page: 4 of 6 Typical Section No.: 1

Roadway Section:			Name: CR 121 PAVEMENT EVALUATION			Lanes: 2
Fin. Proj. ID:			From: DUVAL COUNTY LINE			Shoulder Type and Condition:
F. A. Proj. No.:			To: CR 119			Inside: NONE
County: NASSAU	SR No.:	Beg MP:	End MP:	Lgth:		Outside: GRASS
Median Curbed (Y / N): N	Paved:	Lawn:	Other:			Curb & Gutter (Y / N): N

Core No.	Distance [1] (mi.)	Lane	Wheel Path	Pavement Layer (in.)			Base (in.)			Crack				Pavement Condition	Rut Depth (in.)	Cross Slope (%)	Cross Slope Direct.	PROJECT COMMENTS
				Top FC3	SP12.5	Core Lgth. (in.)	Un-bonded RAS [2]	Bonded RAS [2]	LR	Depth (in.)	Type	Class	Extent					
PK-43	3.989	R1	Y	1.1	2.2	3.3			7.7	- -	A	- -	- -	POOR	0.50	1.20	O	LIGHT RAVELING, SPALLING, PATCHING IN OWP
PK-44	4.083	L1	Y	0.9	2.4	3.3			9.2	1.50	D	IB	L	POOR	0.40	4.20	I	LIGHT RAVELING, SUPERELEVATED CURVE
PK-45	4.178	R1	N	0.9	3.1	4.0			13.5	4.00	D	III	S	POOR	0.40	6.40	O	LIGHT RAVELING, SPALLING, TRANSVERSE CRACKING
PK-46	4.273	L1	Y	0.9	2.9	3.8			8.3	3.80	D	II	M	POOR	0.30	5.30	I	LIGHT RAVELING, SPALLING, SUPERELEVATED CURVE
PK-47	4.367	R1	Y	1.7	2.5	4.2			8.3	4.20	B	II	M	POOR	0.60	5.30	O	LIGHT RAVELING, SPALLING, SHOVING
PK-48	4.462	L1	Y	1.1	3.2	4.3			12.7	4.30	D	II	M	POOR	0.40	1.30	O	LIGHT RAVELING, SPALLING
PK-49	4.557	R1	N	1.2	2.2	3.4	6.3			3.40	B	IB	L	POOR	0.50	2.50	O	LIGHT RAVELING, SPALLING, SHOVING
PK-50	4.652	L1	Y	1.5	1.5	3.0		6.0		3.00	C	II	M	POOR	0.30	1.30	O	LIGHT RAVELING, SPALLING
PK-51	4.746	R1	N	1.4	2.2	3.6	7.3			3.60	B	III	M	POOR	0.30	2.20	O	TRANSVERSE CRACKING, LIGHT RAVELING, SHOVING
PK-52	4.841	L1	Y	1.4	2.1	3.5		6.0		3.50	C	III	M	POOR	0.20	1.50	O	
PK-53	4.936	R1	Y	1.5	3.3	4.8	5.1			- -	A	- -	- -	POOR	0.30	3.90	O	1.5-INCHES DIP IN OUTSIDE SHOULDER, LIGHT RAVELING
PK-54	5.030	L1	Y	1.3	1.9	3.2		8.8		3.20	C	III	S	POOR	0.40	8.20	O	12.0-INCHES CRACK TRHOUGH BASE, LIGHT RAVELING, SUPERELEVATED CURVE
PK-55	5.125	R1	N	1.4	1.7	3.1		6.7		3.10	C	III	M	FAIR	0.20	5.10	O	TRANSVERSE CRACKING, LIGHT RAVELING, SPALLING
PK-56	5.220	L1	Y	1.1	2.4	3.5	6.5			3.50	C	II	M	POOR	0.20	1.30	O	LIGHT RAVELING, SPALLING

NOTES: 1. DISTANCE IS MEASURED ALONG APPROXIMATE CENTERLINE OF EXISTING CR 121 FROM DUVAL COUNTY LINE.

2. RAS REFERS TO RECYCLED ASPHALT STABILIZATION BASE FROM FULL DEPTH RELCAMATION OPERATIONS.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 1

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PAVEMENT EVALUATION CORING AND CONDITION DATA

675-030-09
Materials
3/13

Cored by: E. PUCKETT, ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. (EGS) Date: 06-05-23 Page: 5 of 6 Typical Section No.: 1

Roadway Section:		Name: CR 121 PAVEMENT EVALUATION			Lanes: 2
Fin. Proj. ID:		From: DUVAL COUNTY LINE			Shoulder Type and Condition:
F. A. Proj. No.:		To: CR 119			Inside: NONE
County: NASSAU	SR No.:	Beg MP:	End MP:	Lgth:	Outside: GRASS
Median Curbed (Y / N): N	Paved:	Lawn:	Other:		Curb & Gutter (Y / N): N

Core No.	Distance [1] (mi.)	Lane	Wheel Path	Pavement Layer (in.)			Base (in.)			Crack				Pavement Condition	Rut Depth (in.)	Cross Slope (%)	Cross Slope Direct.	PROJECT COMMENTS
				Top FC3	SP12.5	Core Lgth. (in.)	Un-bonded RAS [2]	Bonded RAS [2]	LR	Depth (in.)	Type	Class	Extent					
PK-57	5.314	R1	N	1.5	1.3	2.8		6.2		2.80	C	III	M	POOR	0.60	1.70	O	9.0-INCHES CRACK THROUGH BASE, TRANSVERSE CRACKING, LIGHT RAVELING, GRINDING
PK-58	5.409	L1	Y	1.0	2.0	3.0	8.4			3.00	C	II	M	POOR	0.50	2.10	O	MODERATE RAVELING, SPALLING, GRINDING
PK-59	5.504	R1	Y	1.1	1.6	2.7	5.3			2.70	C	IB	S	POOR	1.10	2.90	O	LIGHT RAVELING, SHOVING, ALLIGATOR CRACKING
PK-60	5.598	L1	Y	1.3	2.1	3.4	6.2			1.70	C	II	M	POOR	0.30	1.60	O	LIGHT RAVELING, SPALLING
PK-64	5.693	R1	Y	1.3	1.4	2.7	5.1			2.70	D	II	S	POOR	0.70	2.00	O	MODERATE RAVELING, ALLIGATOR CRACKING
PK-66	5.788	L1	Y	1.4	1.6	3.0		5.0		3.00	B	III	M	POOR	0.30	1.50	O	LIGHT RAVELING, SPALLING
PK-67	5.883	R1	Y	1.1	1.6	2.7		5.0		2.70	B	II	M	POOR	0.40	2.40	O	MODERATE RAVELING, SPALLING
PK-68	5.977	L1	Y	1.2	2.0	3.2		6.0		1.30	B	II	L	FAIR	0.20	1.80	O	LIGHT RAVELING, SPALLING
PK-69	6.072	R1	Y	1.1	2.1	3.2		4.5		3.20	C	III	S	POOR	0.40	6.10	O	MODERATE RAVELING, SPALLING
PK-70	6.167	L1	Y	0.9	2.7	3.6	6.0			1.60	B	III	S	POOR	0.10	5.20	I	SEPARATION AT 1.6-INCHES, LIGHT RAVELING, SPALLING, SUPERELEVATED CURVE, TRANSVERSE CRACKING
PK-71	6.261	R1	N	1.3	1.8	3.1		6.4		3.10	C	III	S	POOR	0.30	4.50	O	9.5-INCHES THROUGH BASE, LIGHT RAVELING, SPALLING
PK-72	6.356	L1	N	1.0	2.0	3.0	7.5			3.00	C	III	S	POOR	0.20	1.10	O	LIGHT RAVELING, SPALLING
PK-73	6.451	R1	N	1.1	2.7	3.8		6.3		2.10	B	II	M	POOR	0.10	2.80	O	LIGHT RAVELING, SPALLING
PK-74	6.545	L1	N	1.3	1.4	2.7	7.3			2.70	B	III	S	POOR	0.30	2.00	O	LIGHT RAVELING, SPALLING, SHOVING

NOTES: 1. DISTANCE IS MEASURED ALONG APPROXIMATE CENTERLINE OF EXISTING CR 121 FROM DUVAL COUNTY LINE.

2. RAS REFERS TO RECYCLED ASPHALT STABILIZATION BASE FROM FULL DEPTH RELCAMATION OPERATIONS.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 1

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PAVEMENT EVALUATION CORING AND CONDITION DATA

675-030-09
Materials
3/13

Cored by: E. PUCKETT, ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC. (EGS) Date: 06-05-23 Page: 6 of 6 Typical Section No.: 1

Roadway Section:		Name: CR 121 PAVEMENT EVALUATION			Lanes: 2
Fin. Proj. ID:		From: DUVAL COUNTY LINE			Shoulder Type and Condition:
F. A. Proj. No.:		To: CR 119			Inside: NONE
County: NASSAU	SR No.:	Beg MP:	End MP:	Lgth:	Outside: GRASS
Median Curbed (Y / N): N	Paved:	Lawn:	Other:		Curb & Gutter (Y / N): N

Core No.	Distance [1] (mi.)	Lane	Wheel Path	Pavement Layer (in.)			Base (in.)			Crack				Pavement Condition	Rut Depth (in.)	Cross Slope (%)	Cross Slope Direct.	PROJECT COMMENTS
				Top FC3	SP12.5	Core Lgth. (in.)	Un-bonded RAS [2]	Bonded RAS [2]	LR	Depth (in.)	Type	Class	Extent					
PK-75	6.640	R1	N	1.0	2.8	3.8	5.6			0.90	B	II	M	POOR	0.50	6.90	O	MODERATE RAVELING, SPALLING, SHOVING
PK-76	6.735	L1	Y	1.0	1.5	2.5	6.0			2.50	B	II	M	POOR	0.10	3.10	I	LIGHT RAVELING, SPALLING, SUPERELEVATED CURVE
PK-77	6.830	R1	N	1.0	2.1	3.1		5.5		3.10	C	III	S	POOR	0.30	4.90	O	LIGHT RAVELING, SPALLING, SHOVING
PK-78	6.924	L1	N	1.4	1.1	2.5		6.0		2.50	B	II	M	POOR	0.20	0.90	I	8.5-INCHES CRACK THROUGH BASE, LIGHT RAVELING, TRANSVERSE CRACKING, SPALLING
PK-79	7.019	R1	Y	0.9	3.1	4.0	4.0			- -	A	- -	- -	POOR	0.20	7.30	O	2.5-INCHES BOTTOM UP CRACK, SEVERE RAVELING, PATCH, UNKNOWN OBSTRUCTION AT 2.5 FEET
PK-80	7.114	L1	Y	0.9	2.1	3.0	5.0			3.00	C	II	M	POOR	0.20	1.00	I	LIGHT RAVELING, SPALLING
PK-81	7.208	R1	Y	1.1	2.4	3.5	4.7			3.50	D	III	S	POOR	0.50	2.80	O	MODERATE RAVELING, SPALLING, TRANSVERSE CRACKING
PK-82	7.303	L1	Y	1.0	2.9	3.9		5.3		3.90	C	III	S	POOR	0.10	1.80	O	LIGHT RAVELING, SPALLING, TRANSVERSE CRACKING
PK-83	7.398	R1	Y	1.0	2.8	3.8	4.7			3.80	B	II	M	POOR	0.20	2.50	O	LIGHT RAVELING, SPALLING, SHOVING

NOTES: 1. DISTANCE IS MEASURED IN MILES ALONG APPROXIMATE CENTERLINE OF EXISTING CR 121 FROM DUVAL COUNTY LINE.

2. RAS REFERS TO RECYCLED ASPHALT STABILIZATION BASE FROM FULL DEPTH RELCAMATION OPERATIONS.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

APPENDIX D

PAVEMENT PHOTOGRAPHS

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D1: EXISTING CONDITIONS AT PAVEMENT CORE **PK-1**
(FACING WEST)



FIGURE D2: PHOTOGRAPH OF PAVEMENT CORE **PK-1**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D3: EXISTING CONDITIONS AT PAVEMENT CORE **PK-2**
(FACING EAST)



FIGURE D4: PHOTOGRAPH OF PAVEMENT CORE **PK-2**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D5: EXISTING CONDITIONS AT PAVEMENT CORE **PK-3**
(FACING WEST)



FIGURE D6: PHOTOGRAPH OF PAVEMENT CORE **PK-3**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D7: EXISTING CONDITIONS AT PAVEMENT CORE **PK-4**
(FACING EAST)

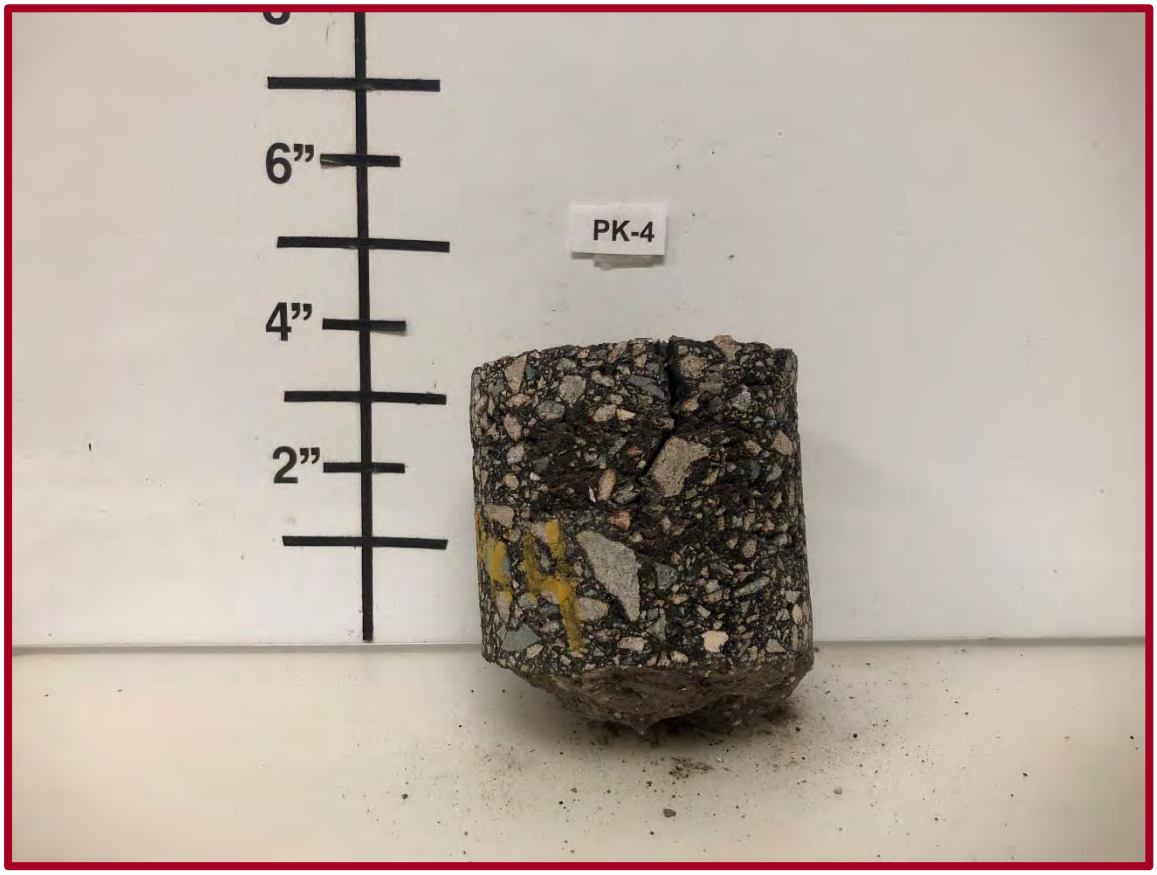


FIGURE D8: PHOTOGRAPH OF PAVEMENT CORE **PK-4**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D9: EXISTING CONDITIONS AT PAVEMENT CORE **PK-5**
(FACING WEST)



FIGURE D10: PHOTOGRAPH OF PAVEMENT CORE **PK-5**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D11: EXISTING CONDITIONS AT PAVEMENT CORE **PK-6**
(FACING EAST)



FIGURE D12: PHOTOGRAPH OF PAVEMENT CORE **PK-6**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D13: EXISTING CONDITIONS AT PAVEMENT CORE **PK-7**
(FACING WEST)



FIGURE D14: PHOTOGRAPH OF PAVEMENT CORE **PK-7**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D15: EXISTING CONDITIONS AT PAVEMENT CORE **PK-8**
(FACING EAST)



FIGURE D16: PHOTOGRAPH OF PAVEMENT CORE **PK-8**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D17: EXISTING CONDITIONS AT PAVEMENT CORE **PK-9**
(FACING WEST)



FIGURE D18: PHOTOGRAPH OF PAVEMENT CORE **PK-9**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D19: EXISTING CONDITIONS AT PAVEMENT CORE **PK-10**
(FACING EAST)



FIGURE D20: PHOTOGRAPH OF PAVEMENT CORE **PK-10**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D21: EXISTING CONDITIONS AT PAVEMENT CORE **PK-11**
(FACING WEST)

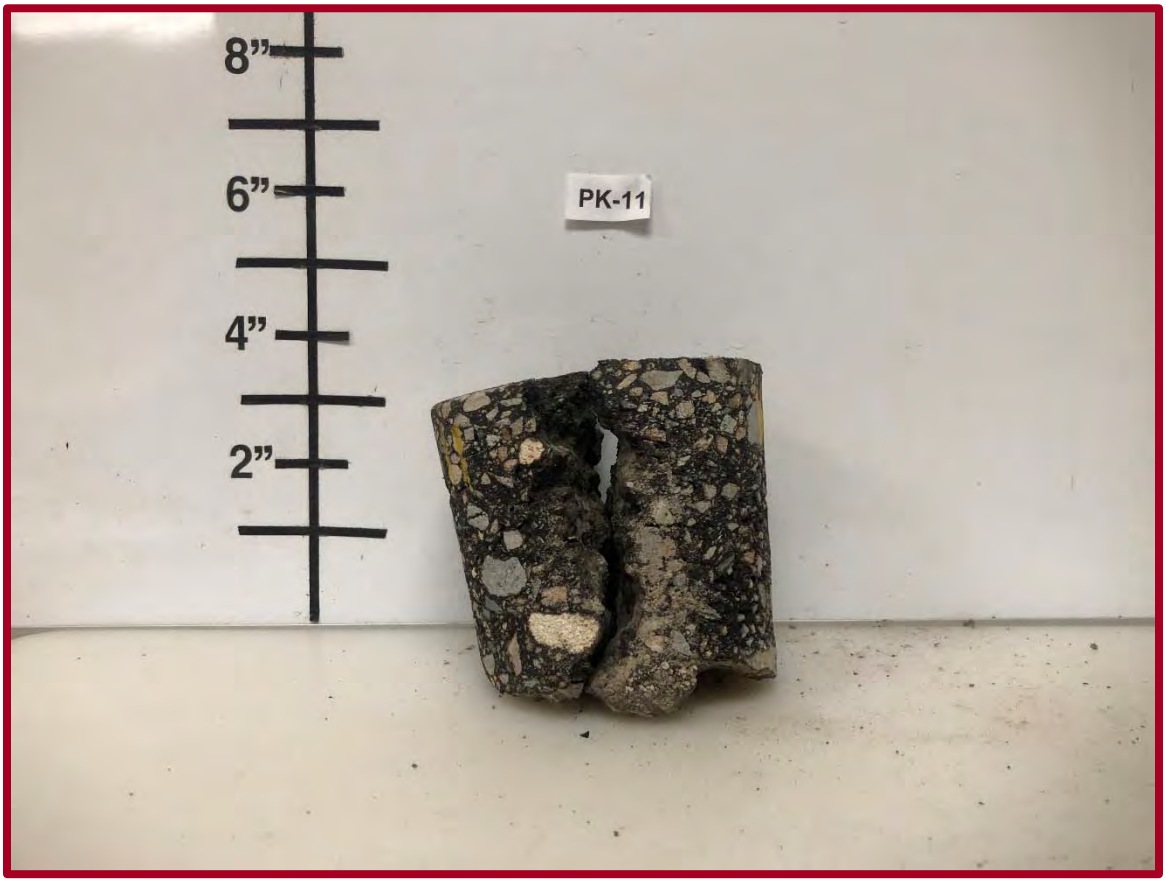


FIGURE D22: PHOTOGRAPH OF PAVEMENT CORE **PK-11**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D23: EXISTING CONDITIONS AT PAVEMENT CORE **PK-12**
(FACING EAST)



FIGURE D24: PHOTOGRAPH OF PAVEMENT CORE **PK-12**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D25: EXISTING CONDITIONS AT PAVEMENT CORE **PK-13**
(FACING WEST)

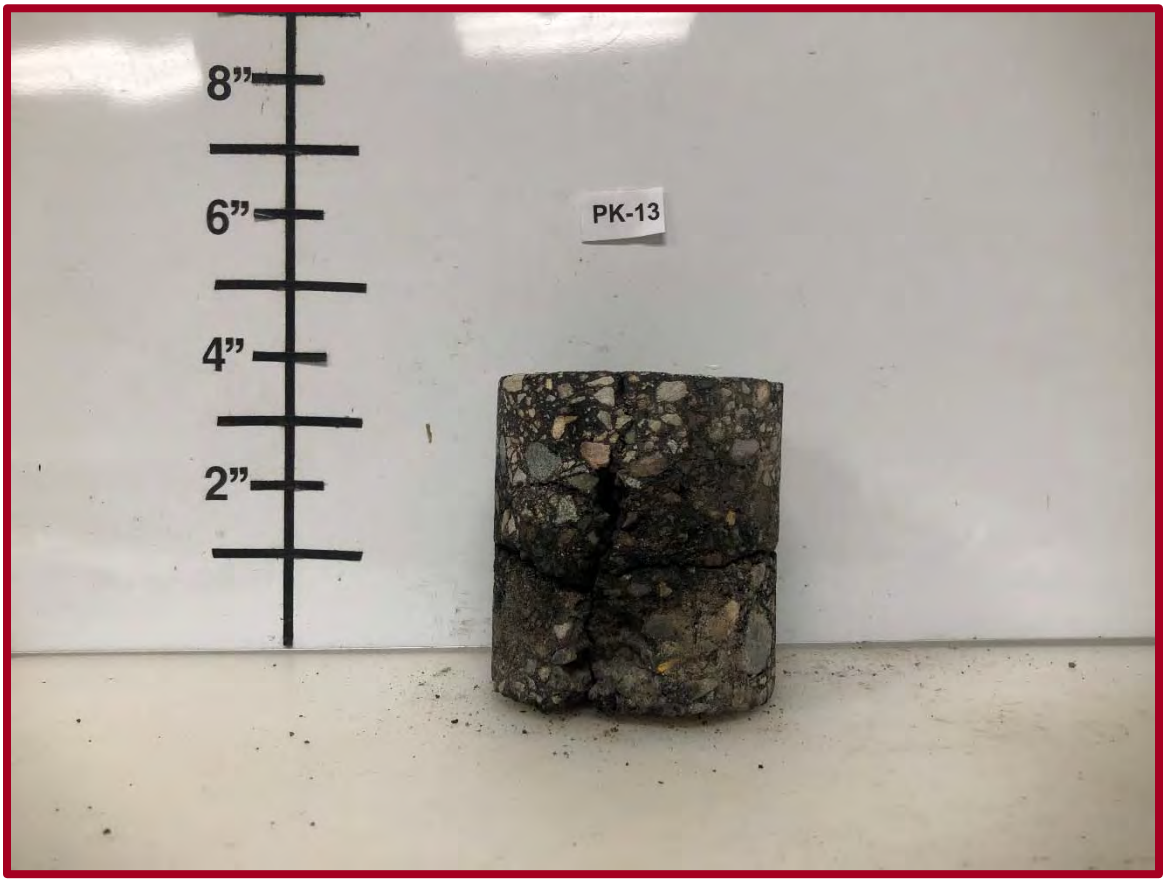


FIGURE D26: PHOTOGRAPH OF PAVEMENT CORE **PK-13**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D27: EXISTING CONDITIONS AT PAVEMENT CORE **PK-14**
(FACING EAST)



FIGURE D28: PHOTOGRAPH OF PAVEMENT CORE **PK-14**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D29: EXISTING CONDITIONS AT PAVEMENT CORE **PK-15**
(FACING WEST)



FIGURE D30: PHOTOGRAPH OF PAVEMENT CORE **PK-15**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D31: EXISTING CONDITIONS AT PAVEMENT CORE **PK-16**
(FACING EAST)



FIGURE D32: PHOTOGRAPH OF PAVEMENT CORE **PK-16**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D33: EXISTING CONDITIONS AT PAVEMENT CORE **PK-17**
(FACING WEST)

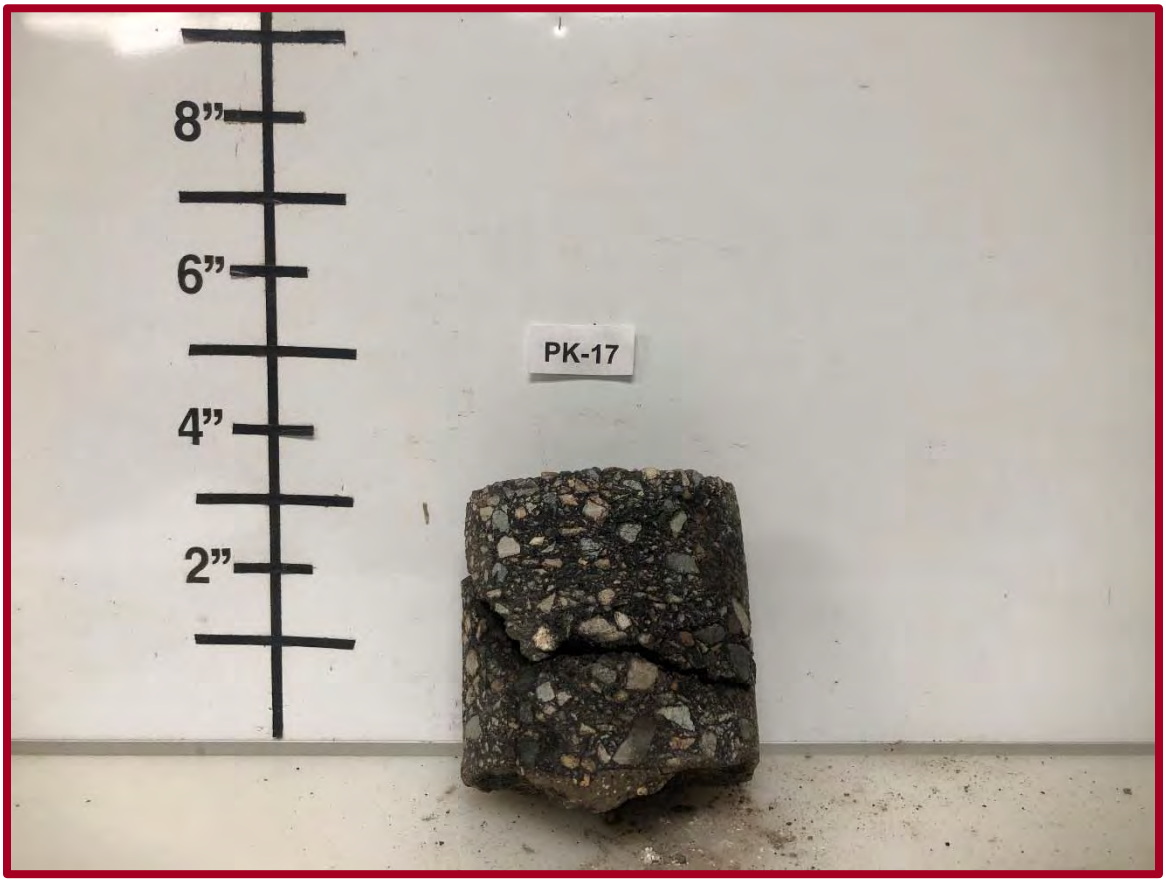


FIGURE D34: PHOTOGRAPH OF PAVEMENT CORE **PK-17**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D35: EXISTING CONDITIONS AT PAVEMENT CORE **PK-18**
(FACING EAST)



FIGURE D36: PHOTOGRAPH OF PAVEMENT CORE **PK-18**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D37: EXISTING CONDITIONS AT PAVEMENT CORE **PK-19**
(FACING WEST)



FIGURE D38: PHOTOGRAPH OF PAVEMENT CORE **PK-19**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D39: EXISTING CONDITIONS AT PAVEMENT CORE **PK-20**
(FACING EAST)

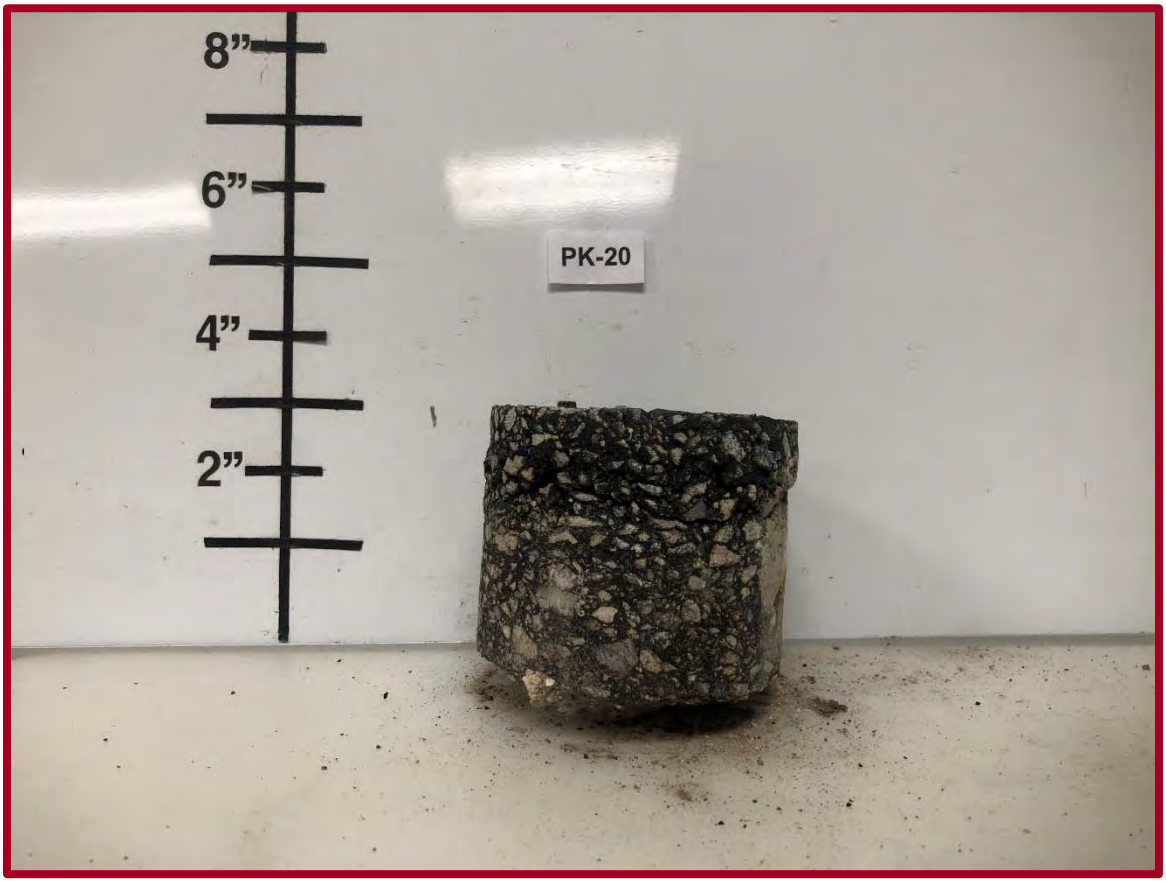


FIGURE D40: PHOTOGRAPH OF PAVEMENT CORE **PK-20**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D41: EXISTING CONDITIONS AT PAVEMENT CORE **PK-21**
(FACING WEST)

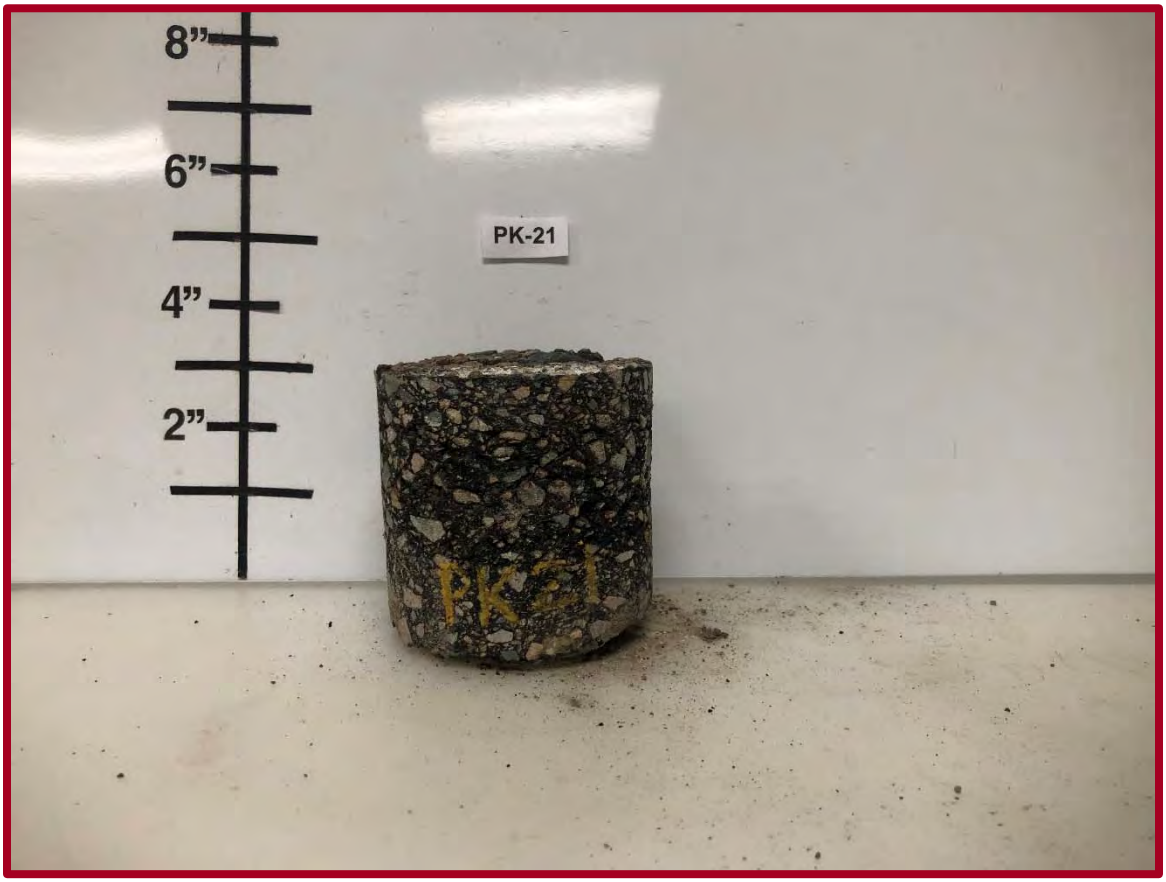


FIGURE D42: PHOTOGRAPH OF PAVEMENT CORE **PK-21**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D43: EXISTING CONDITIONS AT PAVEMENT CORE **PK-22**
(FACING EAST)



FIGURE D44: PHOTOGRAPH OF PAVEMENT CORE **PK-22**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D45: EXISTING CONDITIONS AT PAVEMENT CORE **PK-23**
(FACING WEST)



FIGURE D46: PHOTOGRAPH OF PAVEMENT CORE **PK-23**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D47: EXISTING CONDITIONS AT PAVEMENT CORE **PK-24**
(FACING EAST)



FIGURE D48: PHOTOGRAPH OF PAVEMENT CORE **PK-24**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D49: EXISTING CONDITIONS AT PAVEMENT CORE **PK-25**
(FACING WEST)

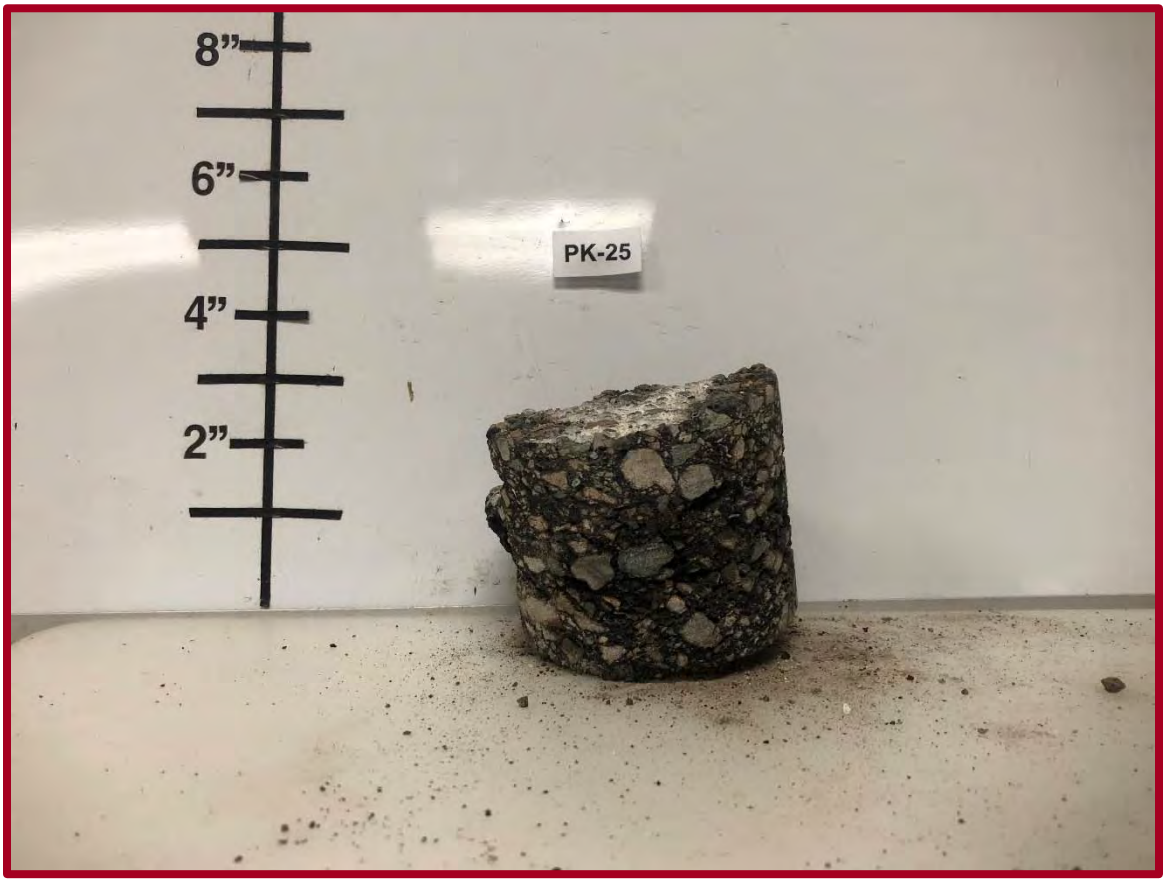


FIGURE D50: PHOTOGRAPH OF PAVEMENT CORE **PK-25**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D51: EXISTING CONDITIONS AT PAVEMENT CORE **PK-26**
(FACING EAST)

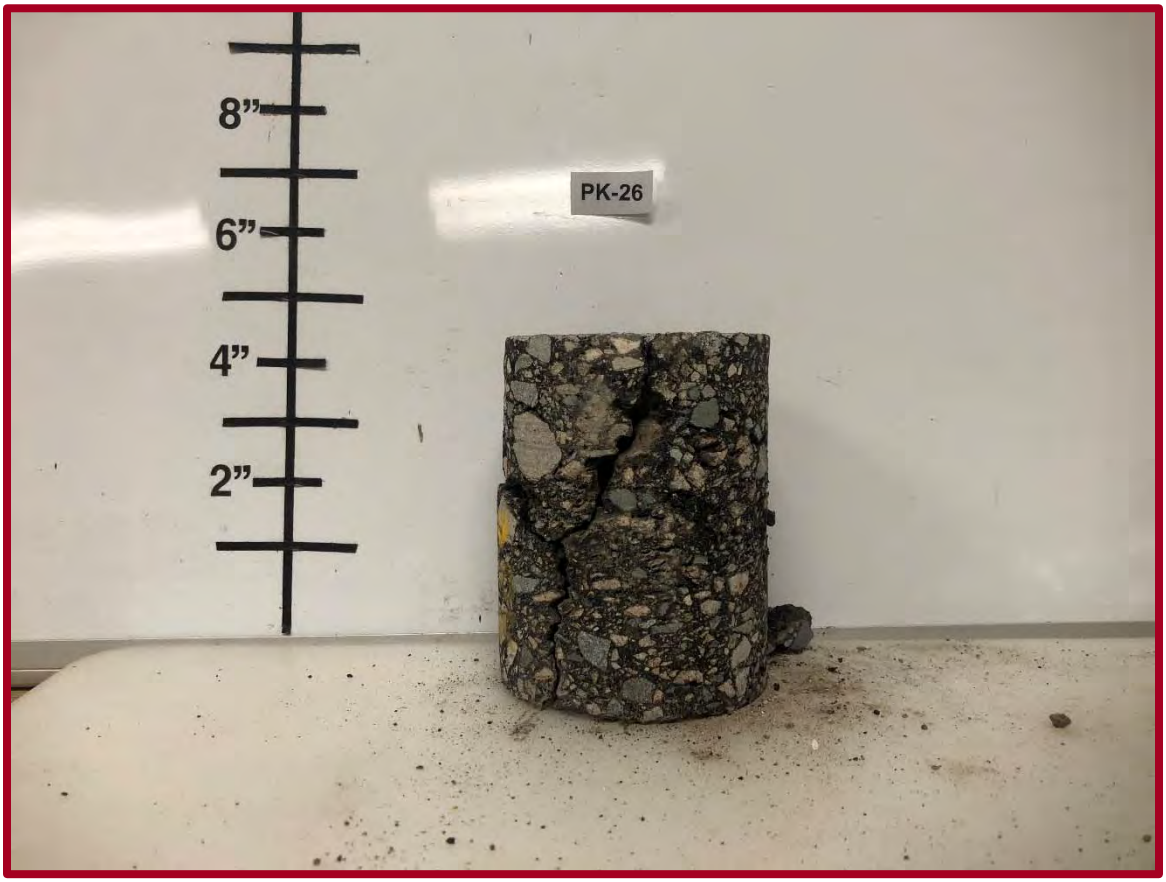


FIGURE D52: PHOTOGRAPH OF PAVEMENT CORE **PK-26**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D53: EXISTING CONDITIONS AT PAVEMENT CORE **PK-27**
(FACING WEST)

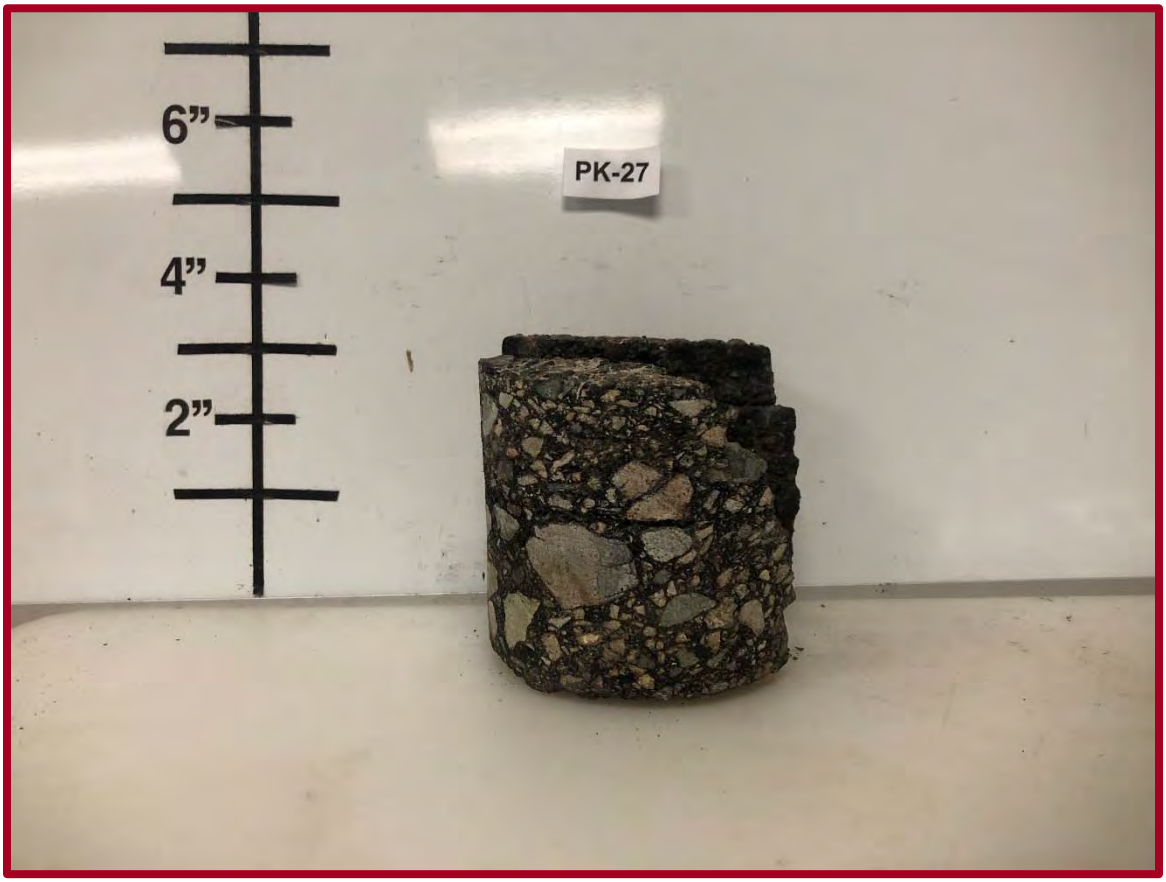


FIGURE D54: PHOTOGRAPH OF PAVEMENT CORE **PK-27**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D55: EXISTING CONDITIONS AT PAVEMENT CORE **PK-28**
(FACING EAST)



FIGURE D56: PHOTOGRAPH OF PAVEMENT CORE **PK-28**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D57: EXISTING CONDITIONS AT PAVEMENT CORE **PK-29**
(FACING WEST)

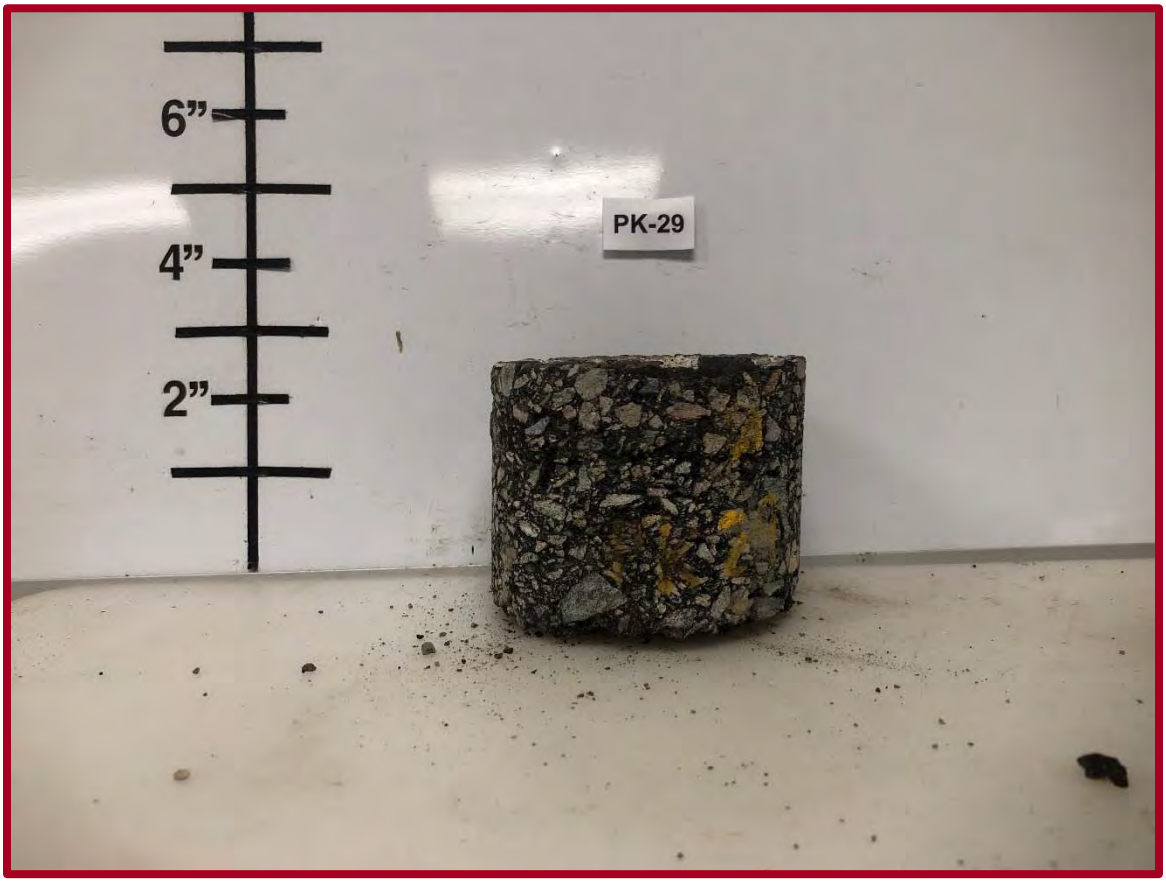


FIGURE D58: PHOTOGRAPH OF PAVEMENT CORE **PK-29**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D59: EXISTING CONDITIONS AT PAVEMENT CORE **PK-30**
(FACING EAST)

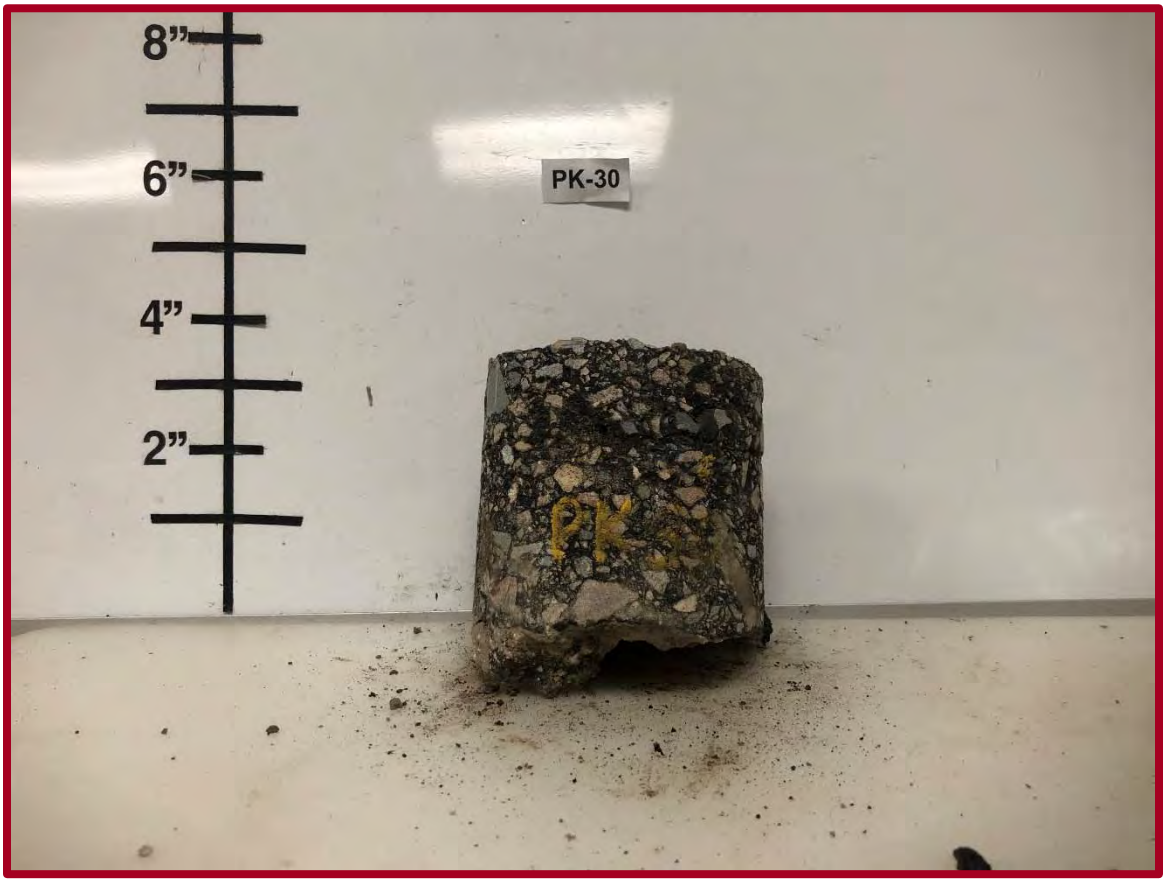


FIGURE D60: PHOTOGRAPH OF PAVEMENT CORE **PK-30**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D61: EXISTING CONDITIONS AT PAVEMENT CORE **PK-31**
(FACING WEST)



FIGURE D62: PHOTOGRAPH OF PAVEMENT CORE **PK-31**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D63: EXISTING CONDITIONS AT PAVEMENT CORE **PK-32**
(FACING EAST)



FIGURE D64: PHOTOGRAPH OF PAVEMENT CORE **PK-32**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D65: EXISTING CONDITIONS AT PAVEMENT CORE **PK-33**
(FACING WEST)



FIGURE D66: PHOTOGRAPH OF PAVEMENT CORE **PK-33**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D67: EXISTING CONDITIONS AT PAVEMENT CORE **PK-34**
(FACING EAST)



FIGURE D68: PHOTOGRAPH OF PAVEMENT CORE **PK-34**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D69: EXISTING CONDITIONS AT PAVEMENT CORE **PK-35**
(FACING WEST)



FIGURE D70: PHOTOGRAPH OF PAVEMENT CORE **PK-35**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D71: EXISTING CONDITIONS AT PAVEMENT CORE **PK-36**
(FACING EAST)



FIGURE D72: PHOTOGRAPH OF PAVEMENT CORE **PK-36**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D73: EXISTING CONDITIONS AT PAVEMENT CORE **PK-37**
(FACING WEST)

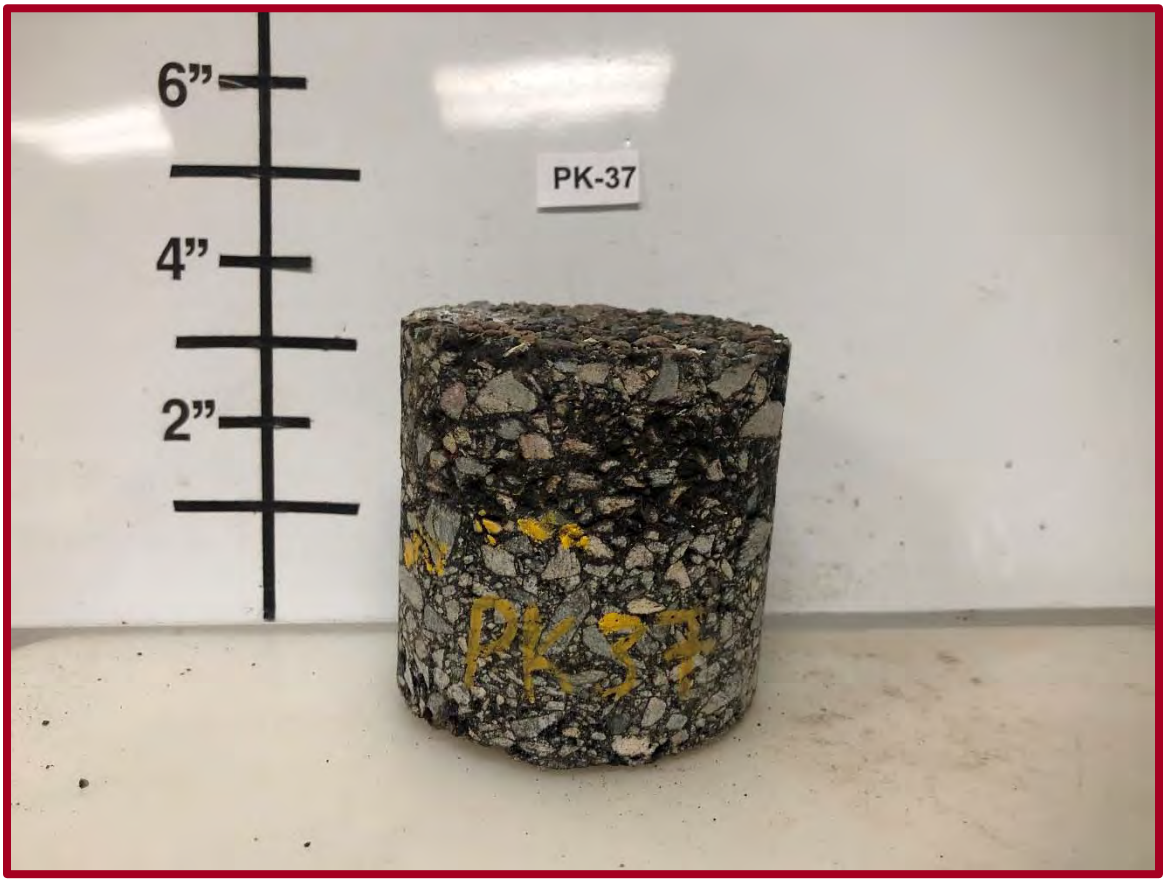


FIGURE D74: PHOTOGRAPH OF PAVEMENT CORE **PK-37**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D75: EXISTING CONDITIONS AT PAVEMENT CORE **PK-38**
(FACING EAST)

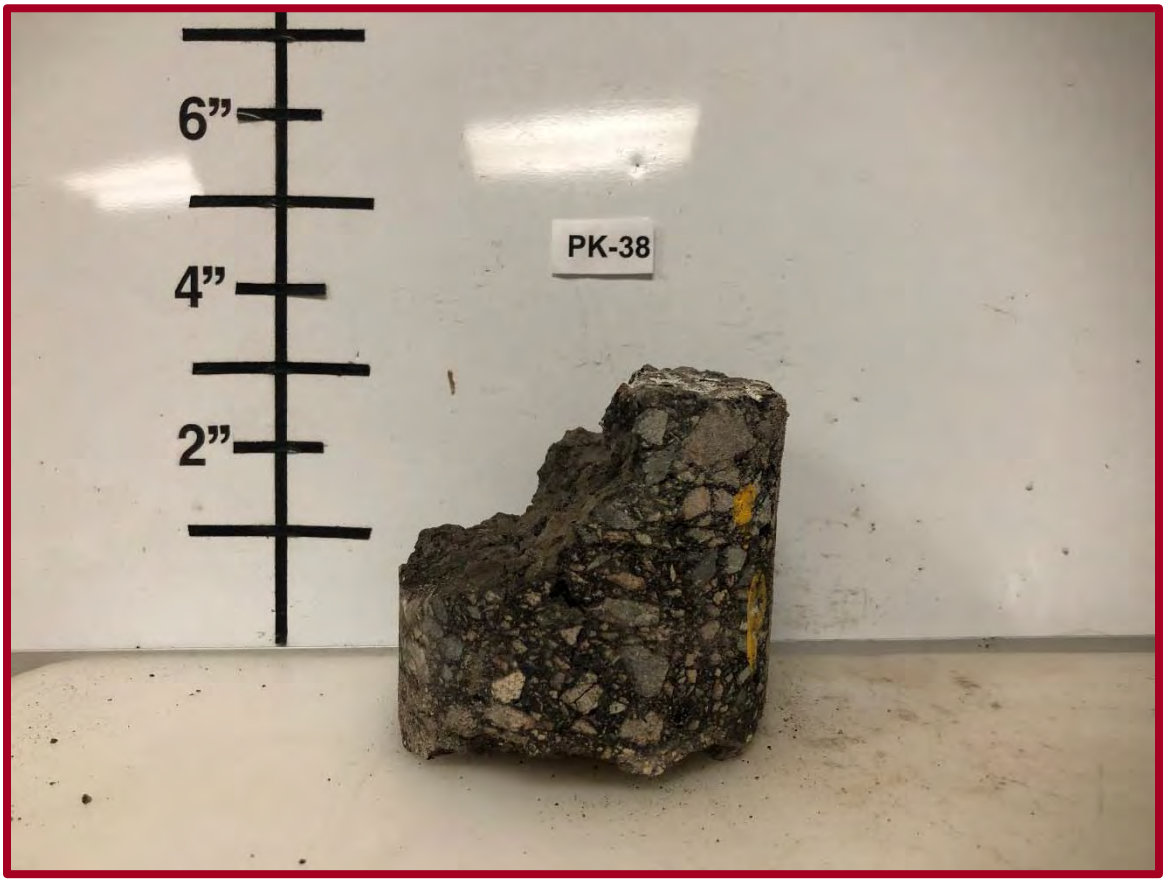


FIGURE D76: PHOTOGRAPH OF PAVEMENT CORE **PK-38**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D77: EXISTING CONDITIONS AT PAVEMENT CORE **PK-39**
(FACING WEST)

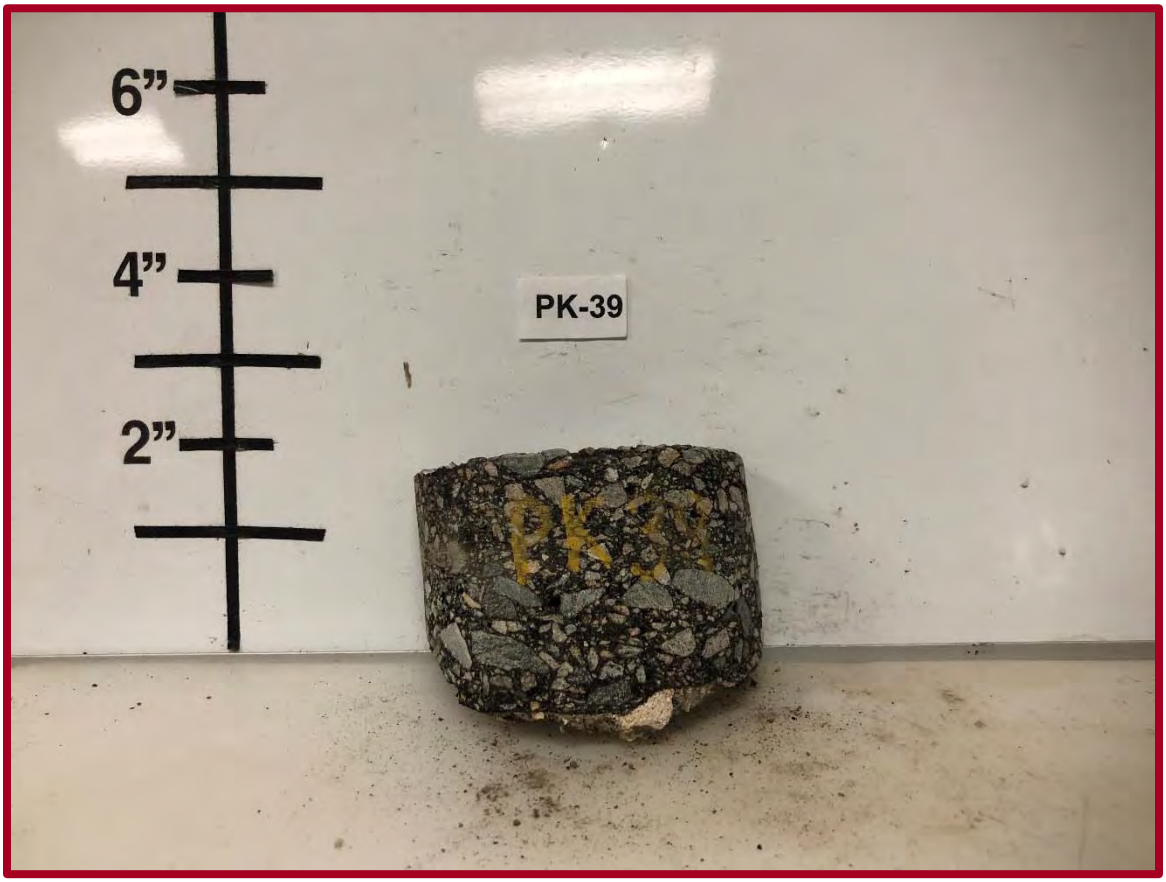


FIGURE D78: PHOTOGRAPH OF PAVEMENT CORE **PK-39**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D79: EXISTING CONDITIONS AT PAVEMENT CORE **PK-40**
(FACING NORTHEAST)



FIGURE D80: PHOTOGRAPH OF PAVEMENT CORE **PK-40**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D81: EXISTING CONDITIONS AT PAVEMENT CORE **PK-41**
(FACING SOUTHWEST)



FIGURE D82: PHOTOGRAPH OF PAVEMENT CORE **PK-41**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D83: EXISTING CONDITIONS AT PAVEMENT CORE **PK-42**
(FACING NORTHEAST)



FIGURE D84: PHOTOGRAPH OF PAVEMENT CORE **PK-42**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D85: EXISTING CONDITIONS AT PAVEMENT CORE **PK-43**
(FACING SOUTHWEST)



FIGURE D86: PHOTOGRAPH OF PAVEMENT CORE **PK-43**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D87: EXISTING CONDITIONS AT PAVEMENT CORE **PK-44**
(FACING NORTHEAST)

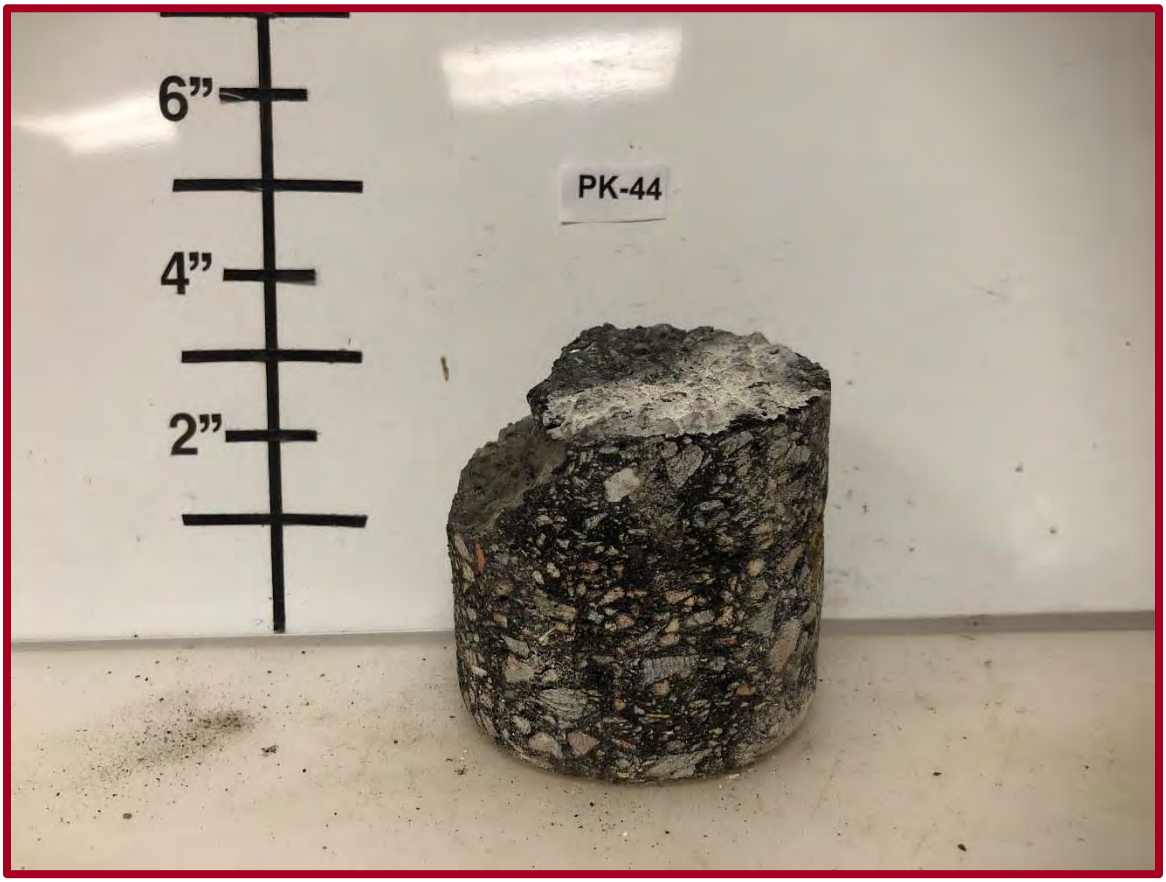


FIGURE D88: PHOTOGRAPH OF PAVEMENT CORE **PK-44**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D89: EXISTING CONDITIONS AT PAVEMENT CORE **PK-45**
(FACING SOUTHWEST)

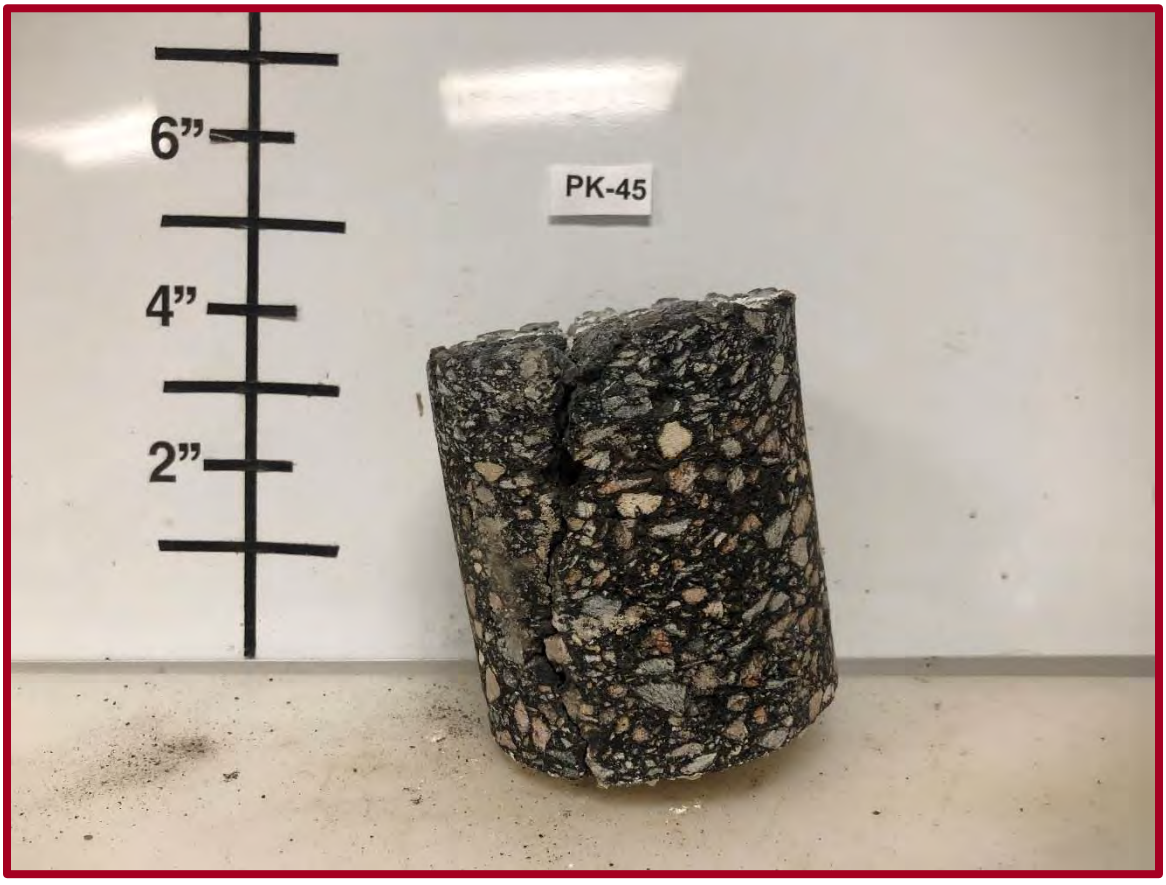


FIGURE D90: PHOTOGRAPH OF PAVEMENT CORE **PK-45**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D91: EXISTING CONDITIONS AT PAVEMENT CORE **PK-46**
(FACING NORTHEAST)

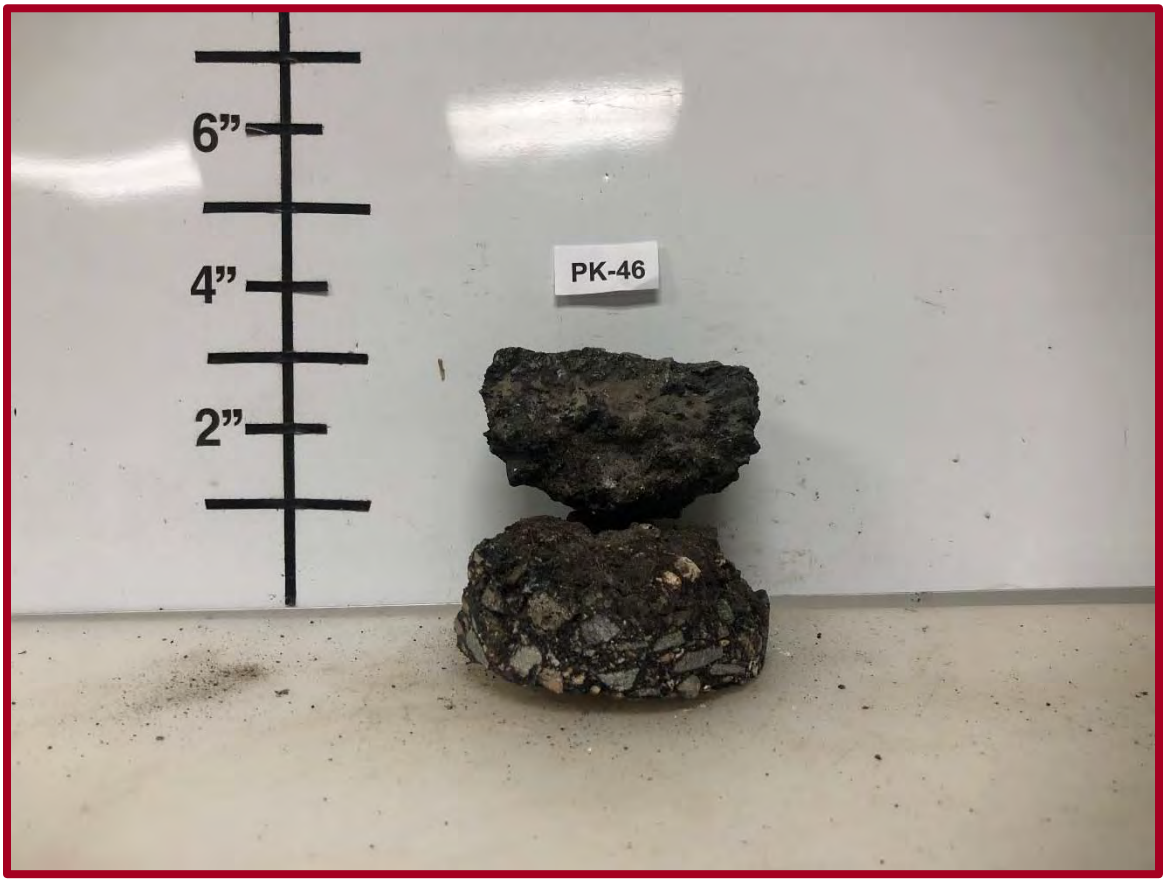


FIGURE D92: PHOTOGRAPH OF PAVEMENT CORE **PK-46**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D93: EXISTING CONDITIONS AT PAVEMENT CORE **PK-47**
(FACING SOUTHWEST)

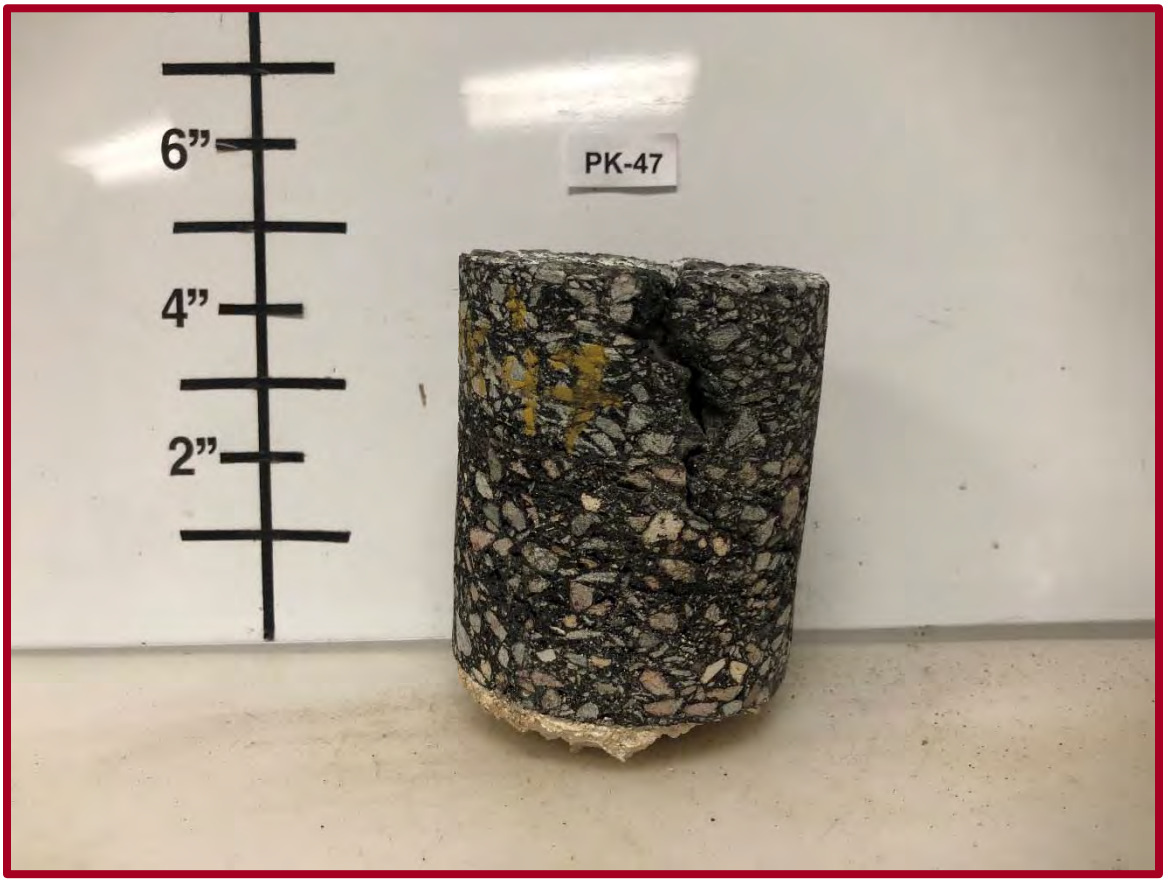


FIGURE D94: PHOTOGRAPH OF PAVEMENT CORE **PK-47**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

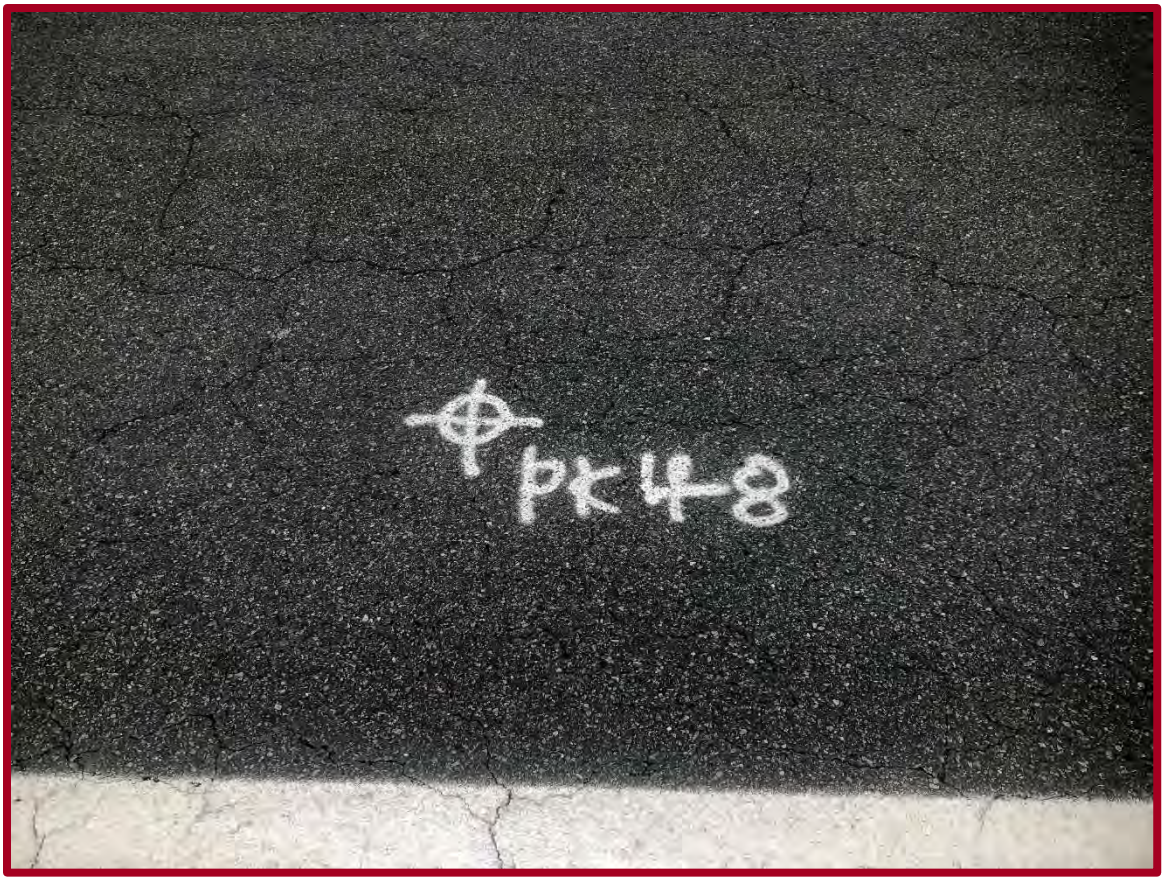


FIGURE D95: EXISTING CONDITIONS AT PAVEMENT CORE **PK-48**
(FACING EAST)



FIGURE D96: PHOTOGRAPH OF PAVEMENT CORE **PK-48**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D97: EXISTING CONDITIONS AT PAVEMENT CORE **PK-49**
(FACING WEST)



FIGURE D98: PHOTOGRAPH OF PAVEMENT CORE **PK-49**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D99: EXISTING CONDITIONS AT PAVEMENT CORE **PK-50**
(FACING EAST)

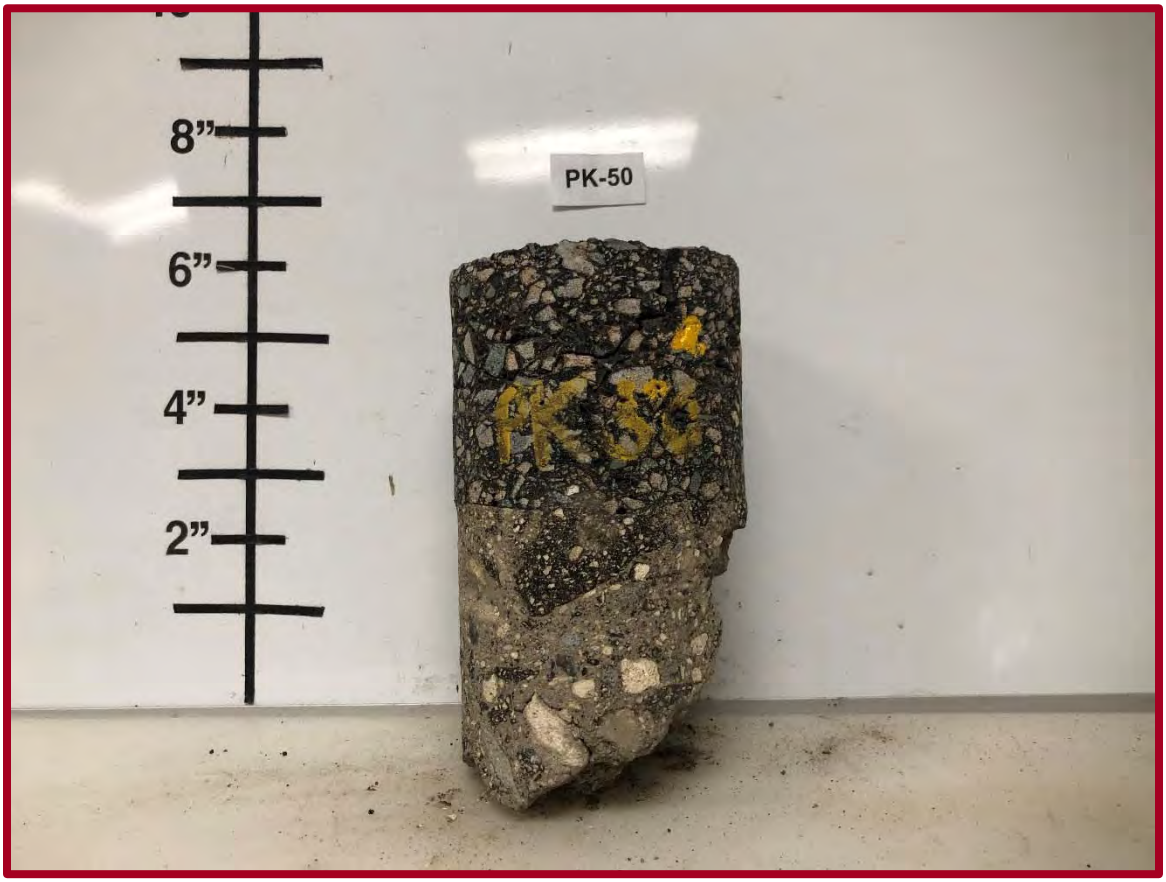


FIGURE D100: PHOTOGRAPH OF PAVEMENT CORE **PK-50**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D101: EXISTING CONDITIONS AT PAVEMENT CORE **PK-51**
(FACING WEST)

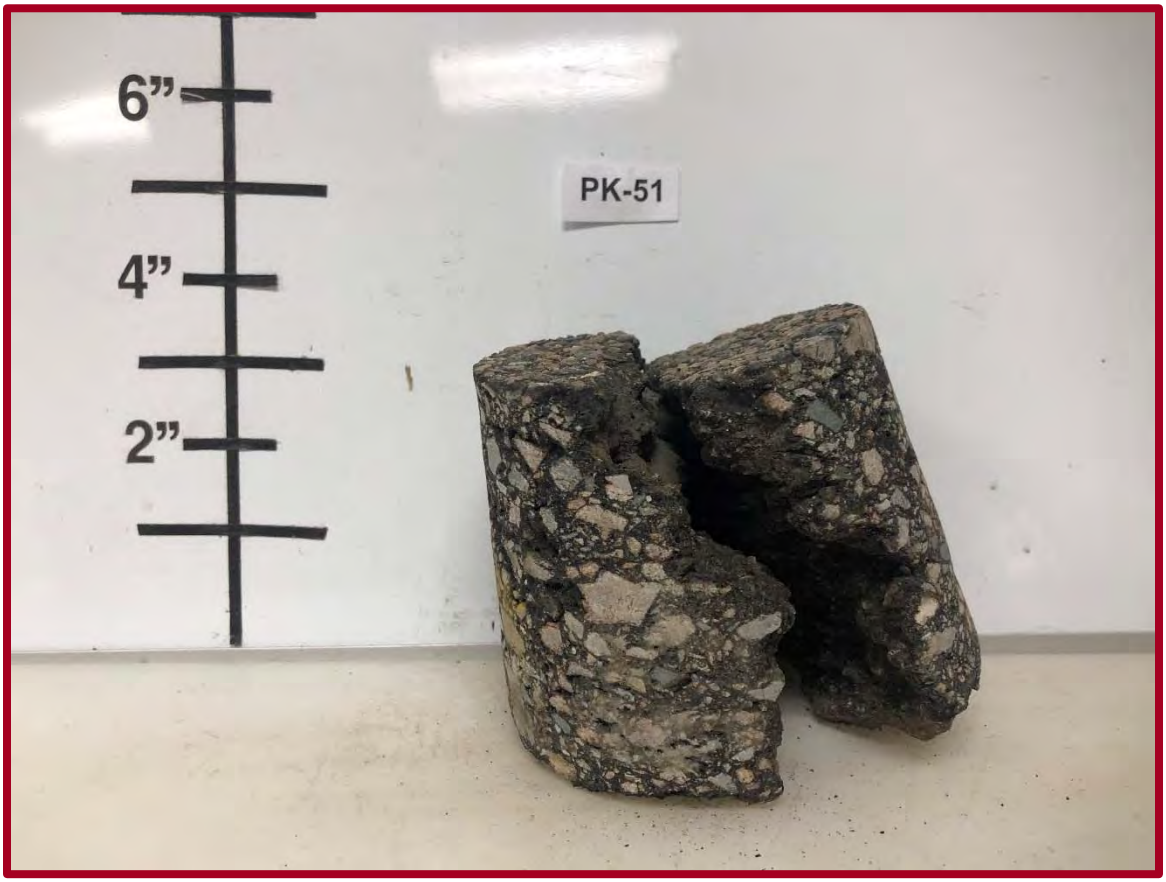


FIGURE D102: PHOTOGRAPH OF PAVEMENT CORE **PK-51**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D103: EXISTING CONDITIONS AT PAVEMENT CORE **PK-52**
(FACING EAST)

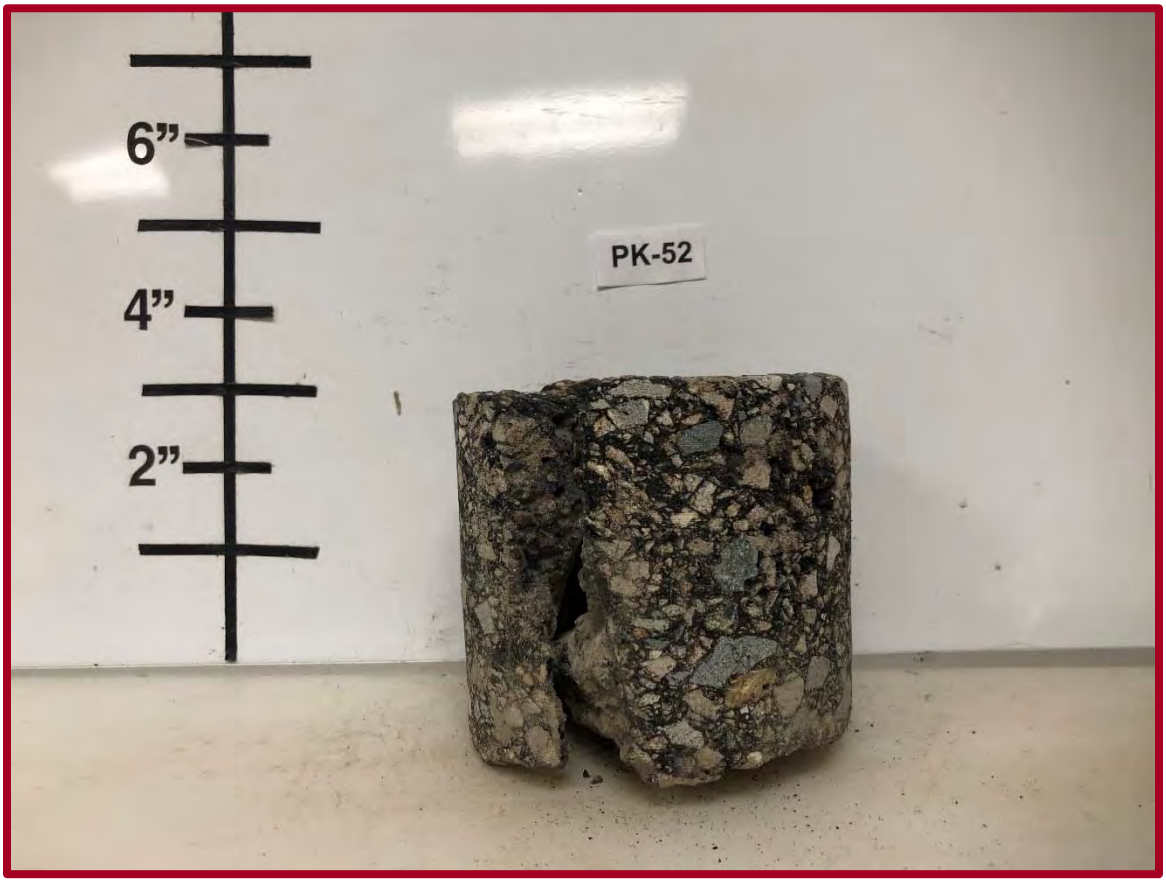


FIGURE D104: PHOTOGRAPH OF PAVEMENT CORE **PK-52**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D105: EXISTING CONDITIONS AT PAVEMENT CORE **PK-53**
(FACING WEST)



FIGURE D106: PHOTOGRAPH OF PAVEMENT CORE **PK-53**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D107: EXISTING CONDITIONS AT PAVEMENT CORE **PK-54**
(FACING SOUTHWEST)

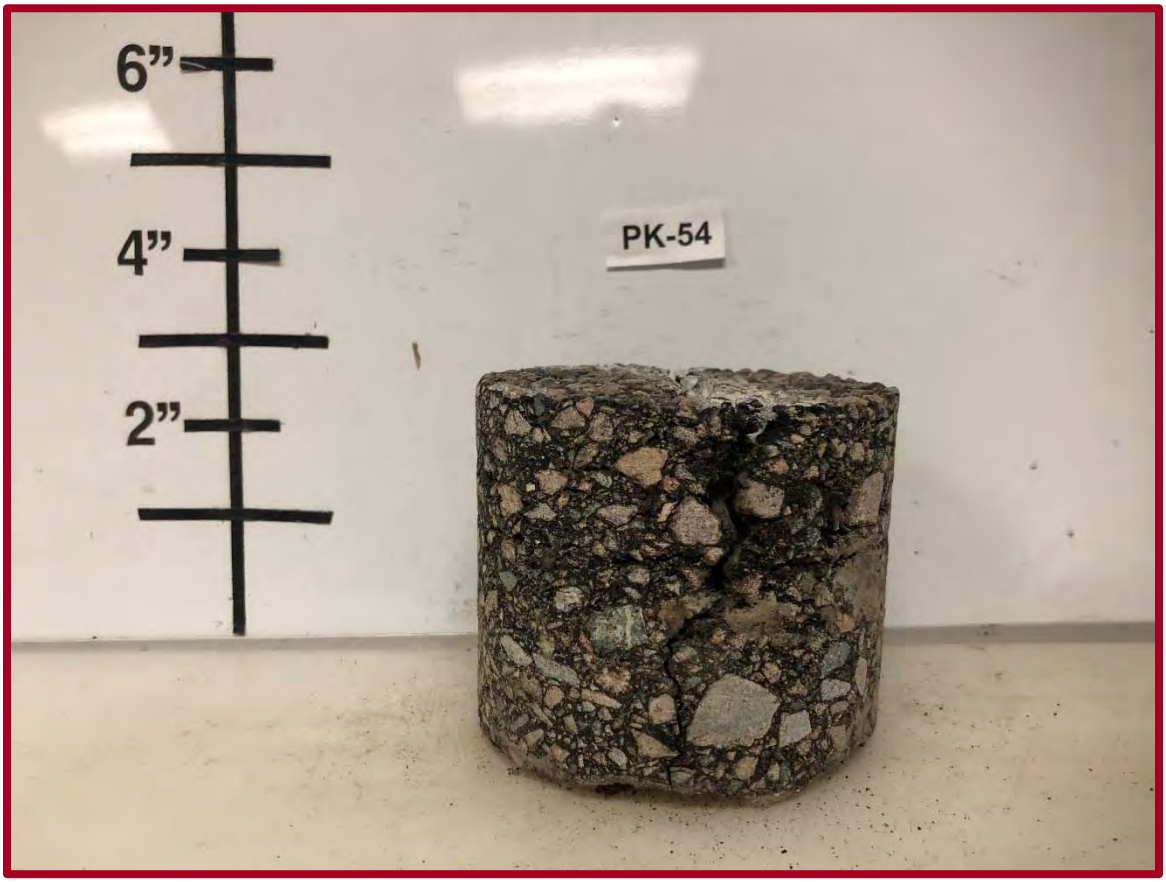


FIGURE D108: PHOTOGRAPH OF PAVEMENT CORE **PK-54**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D109: EXISTING CONDITIONS AT PAVEMENT CORE **PK-55**
(FACING SOUTHWEST)

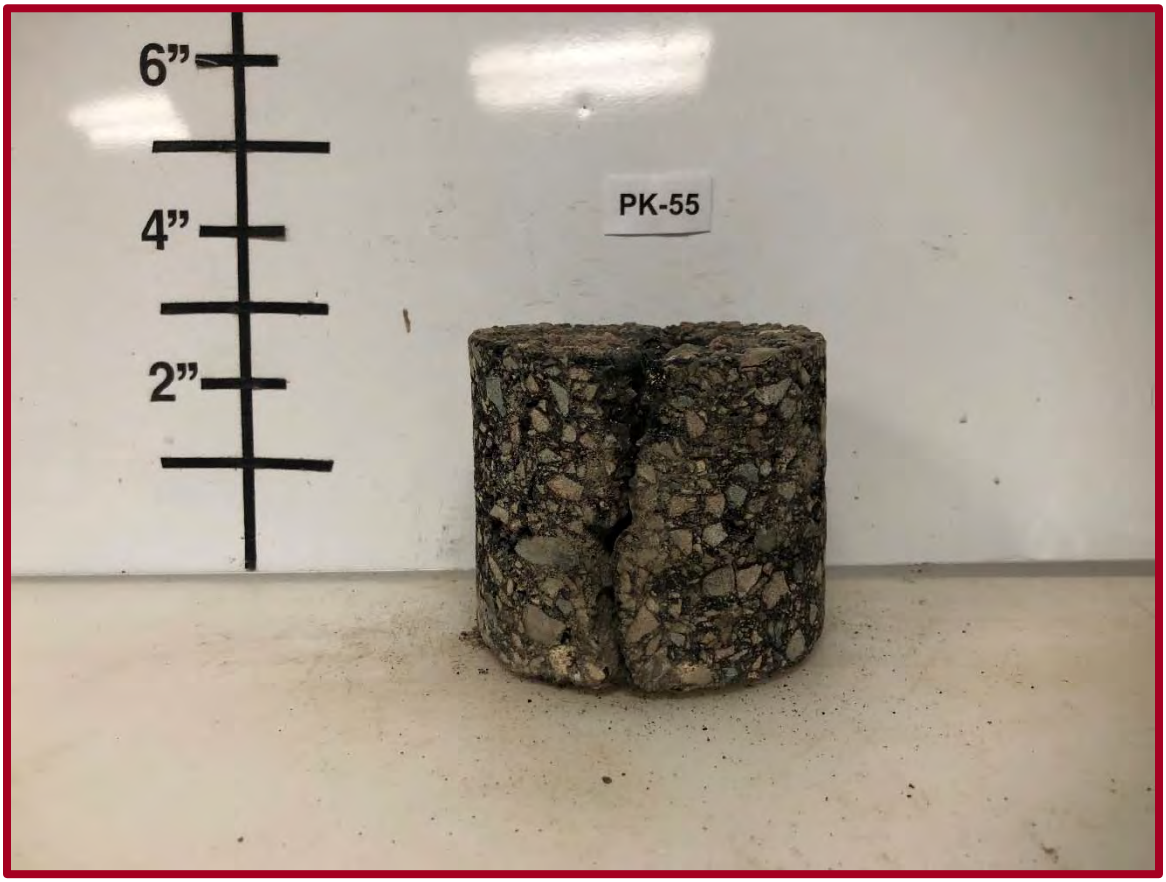


FIGURE D110: PHOTOGRAPH OF PAVEMENT CORE **PK-55**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D111: EXISTING CONDITIONS AT PAVEMENT CORE **PK-56**
(FACING NORTHEAST)

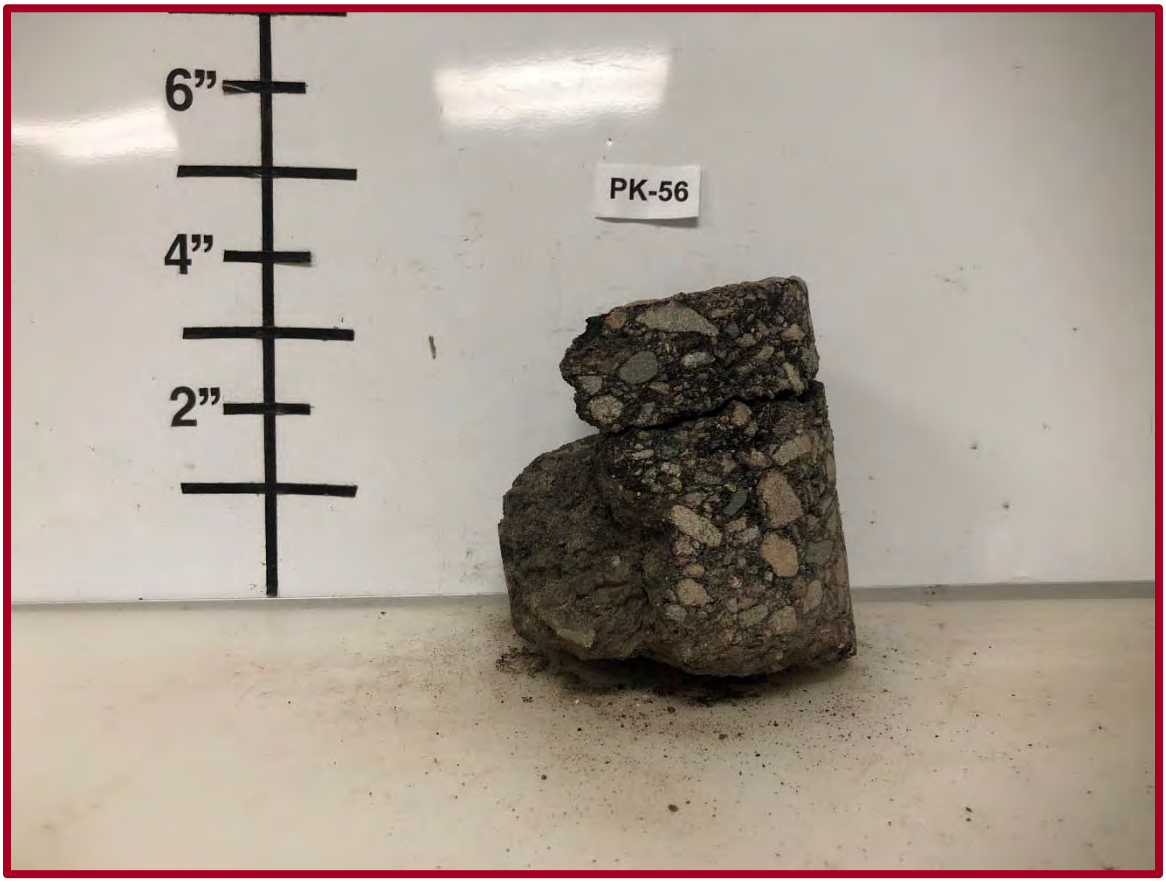


FIGURE D112: PHOTOGRAPH OF PAVEMENT CORE **PK-56**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D113: EXISTING CONDITIONS AT PAVEMENT CORE **PK-57**
(FACING SOUTHWEST)

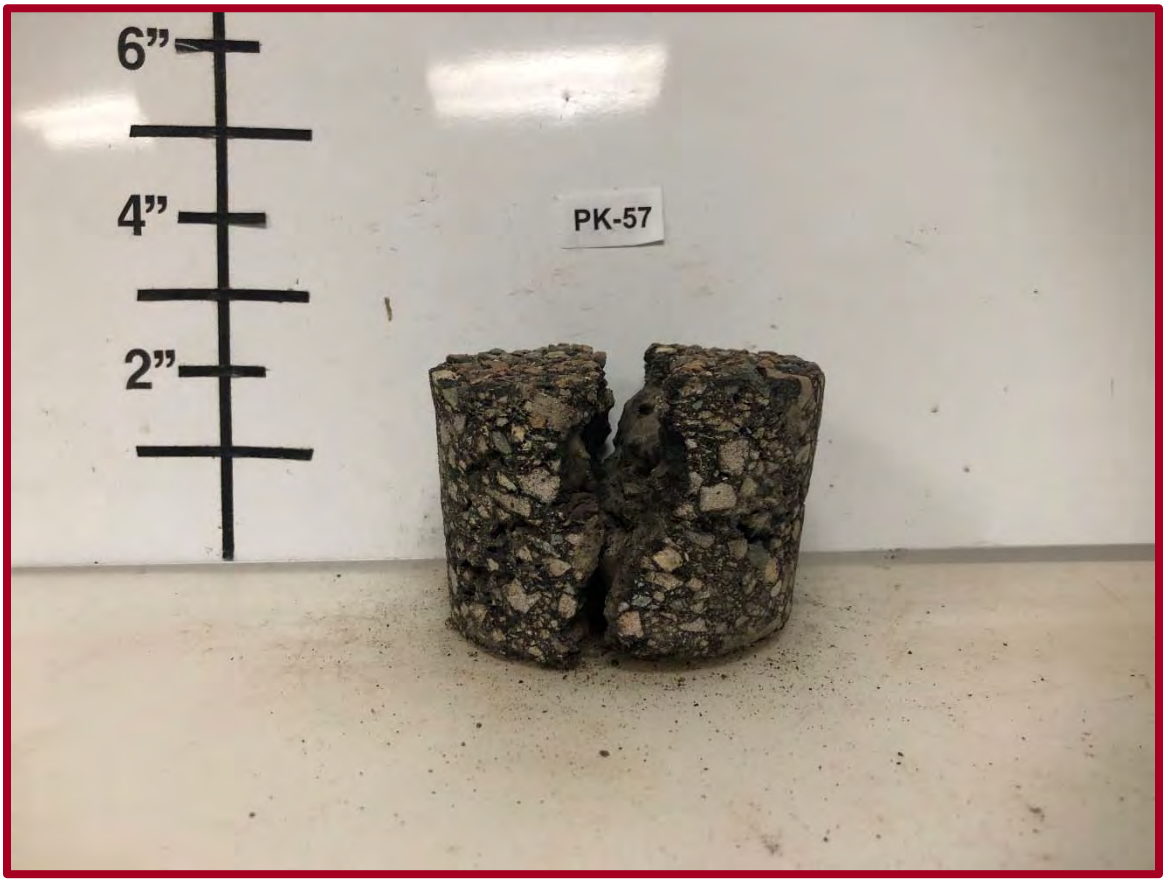


FIGURE D114: PHOTOGRAPH OF PAVEMENT CORE **PK-57**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D115: EXISTING CONDITIONS AT PAVEMENT CORE **PK-58**
(FACING NORTHEAST)



FIGURE D116: PHOTOGRAPH OF PAVEMENT CORE **PK-58**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D117: EXISTING CONDITIONS AT PAVEMENT CORE **PK-59**
(FACING SOUTHWEST)

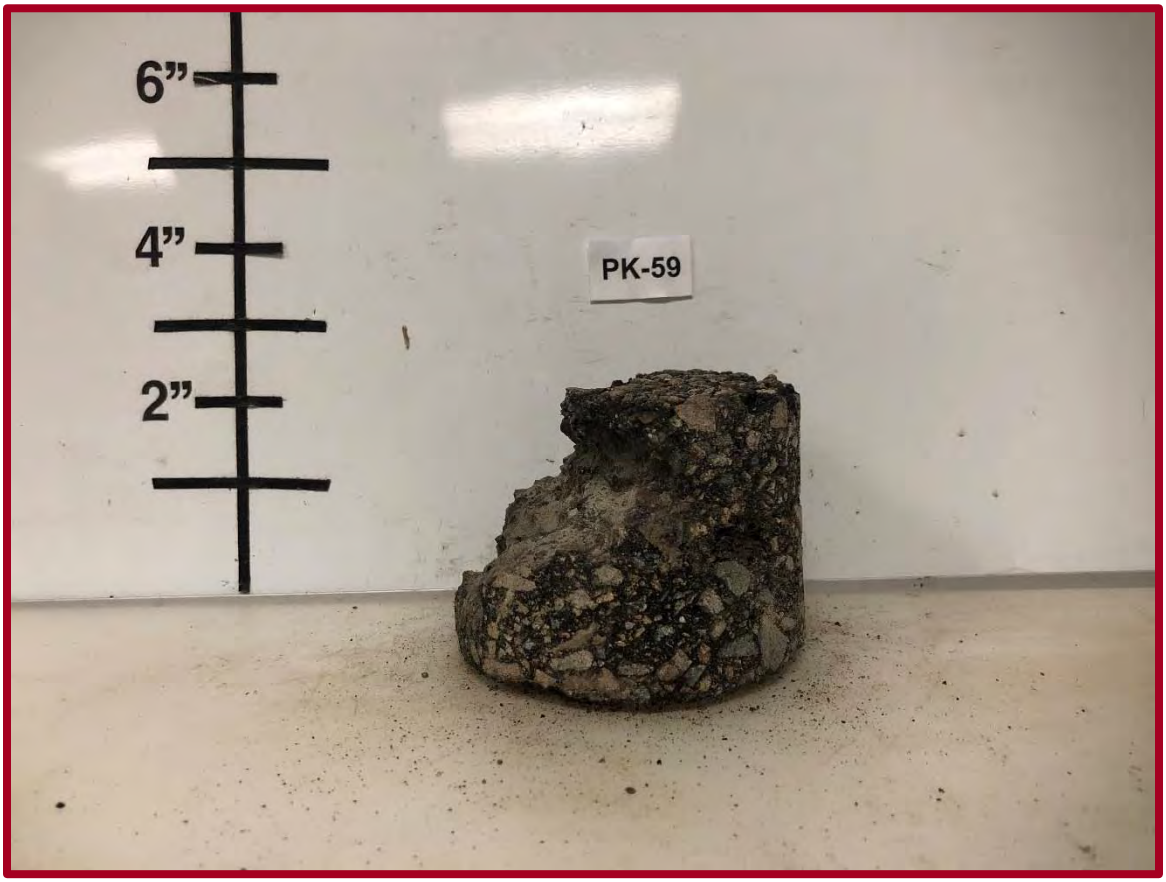


FIGURE D118: PHOTOGRAPH OF PAVEMENT CORE **PK-59**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D119: EXISTING CONDITIONS AT PAVEMENT CORE **PK-60**
(FACING NORTHEAST)



FIGURE D120: PHOTOGRAPH OF PAVEMENT CORE **PK-60**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D121: EXISTING CONDITIONS AT PAVEMENT CORE **PK-64**
(FACING SOUTHWEST)

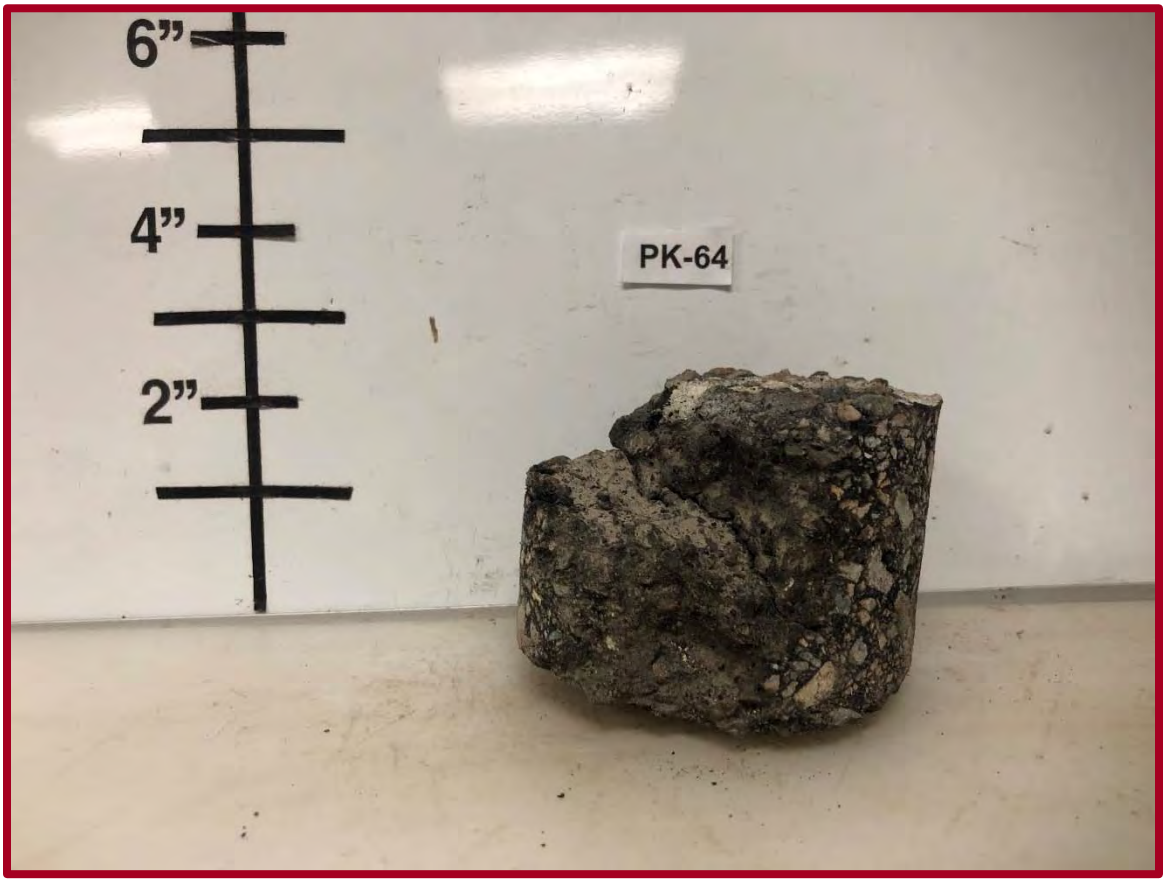


FIGURE D122: PHOTOGRAPH OF PAVEMENT CORE **PK-64**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D123: EXISTING CONDITIONS AT PAVEMENT CORE **PK-66**
(FACING NORTHEAST)



FIGURE D124: PHOTOGRAPH OF PAVEMENT CORE **PK-66**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D125: EXISTING CONDITIONS AT PAVEMENT CORE **PK-67**
(FACING SOUTHWEST)



FIGURE D126: PHOTOGRAPH OF PAVEMENT CORE **PK-67**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D127: EXISTING CONDITIONS AT PAVEMENT CORE **PK-68**
(FACING NORTHEAST)



FIGURE D128: PHOTOGRAPH OF PAVEMENT CORE **PK-68**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D129: EXISTING CONDITIONS AT PAVEMENT CORE **PK-69**
(FACING SOUTHWEST)



FIGURE D130: PHOTOGRAPH OF PAVEMENT CORE **PK-69**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D131: EXISTING CONDITIONS AT PAVEMENT CORE **PK-70**
(FACING NORTHEAST)



FIGURE D132: PHOTOGRAPH OF PAVEMENT CORE **PK-70**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D133: EXISTING CONDITIONS AT PAVEMENT CORE **PK-71**
(FACING WEST)



FIGURE D134: PHOTOGRAPH OF PAVEMENT CORE **PK-71**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D135: EXISTING CONDITIONS AT PAVEMENT CORE **PK-72**
(FACING EAST)



FIGURE D136: PHOTOGRAPH OF PAVEMENT CORE **PK-72**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D137: EXISTING CONDITIONS AT PAVEMENT CORE **PK-73**
(FACING WEST)



FIGURE D138: PHOTOGRAPH OF PAVEMENT CORE **PK-73**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D139: EXISTING CONDITIONS AT PAVEMENT CORE **PK-74**
(FACING EAST)



FIGURE D140: PHOTOGRAPH OF PAVEMENT CORE **PK-74**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D141: EXISTING CONDITIONS AT PAVEMENT CORE **PK-75**
(FACING WEST)



FIGURE D142: PHOTOGRAPH OF PAVEMENT CORE **PK-75**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D143: EXISTING CONDITIONS AT PAVEMENT CORE **PK-76**
(FACING EAST)



FIGURE D144: PHOTOGRAPH OF PAVEMENT CORE **PK-76**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D145: EXISTING CONDITIONS AT PAVEMENT CORE **PK-77**
(FACING WEST)

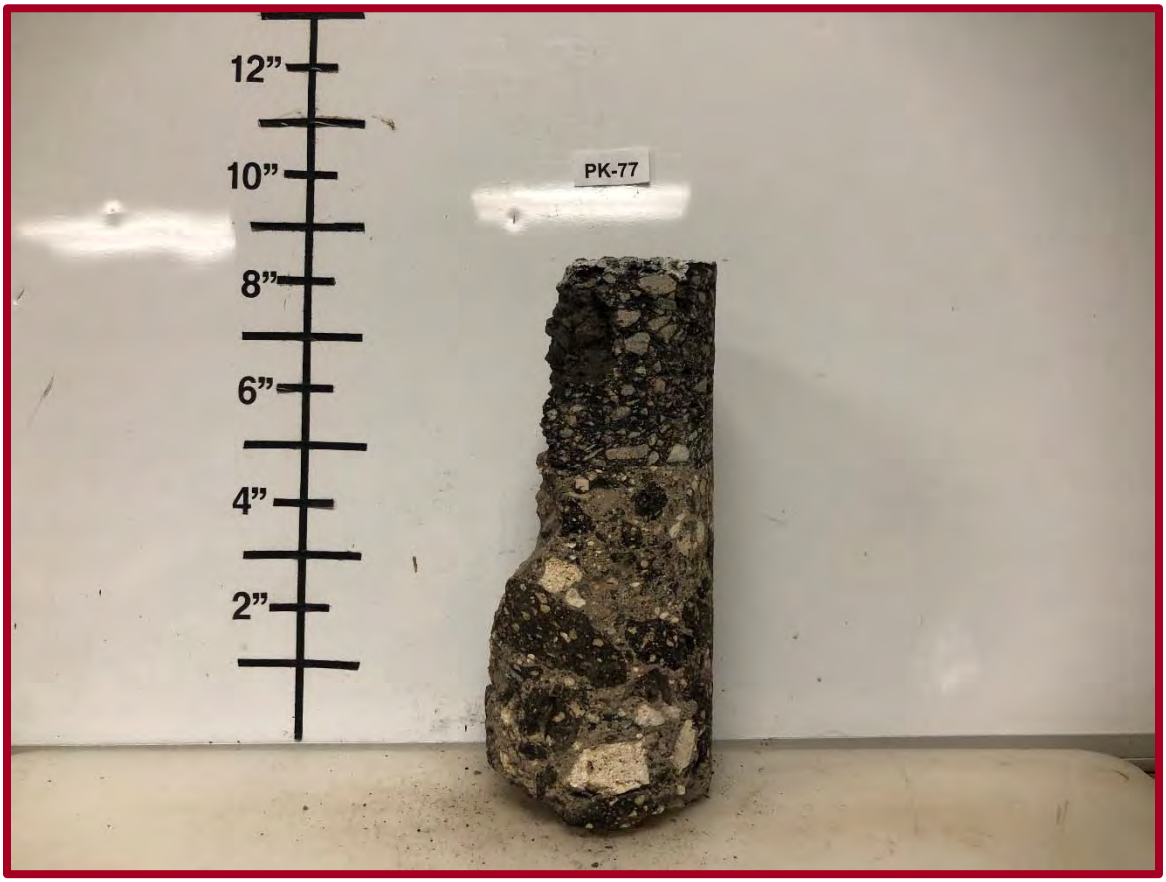


FIGURE D146: PHOTOGRAPH OF PAVEMENT CORE **PK-77**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D147: EXISTING CONDITIONS AT PAVEMENT CORE **PK-78**
(FACING EAST)



FIGURE D148: PHOTOGRAPH OF PAVEMENT CORE **PK-78**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D149: EXISTING CONDITIONS AT PAVEMENT CORE **PK-79**
(FACING NORTHWEST)



FIGURE D150: PHOTOGRAPH OF PAVEMENT CORE **PK-79**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D151: EXISTING CONDITIONS AT PAVEMENT CORE **PK-80**
(FACING SOUTHEAST)



FIGURE D152: PHOTOGRAPH OF PAVEMENT CORE **PK-80**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D153: EXISTING CONDITIONS AT PAVEMENT CORE **PK-81**
(FACING NORTHWEST)

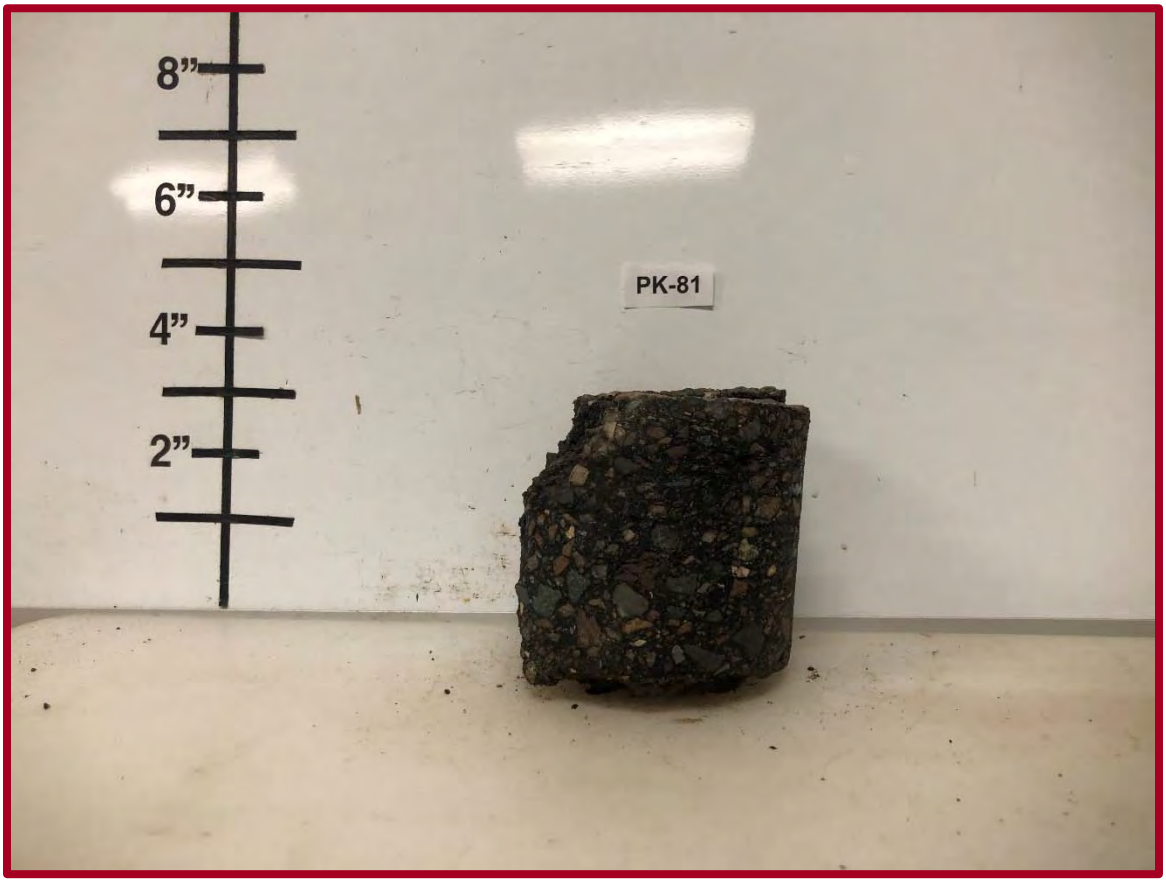


FIGURE D154: PHOTOGRAPH OF PAVEMENT CORE **PK-81**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D155: EXISTING CONDITIONS AT PAVEMENT CORE **PK-82**
(FACING SOUTHEAST)

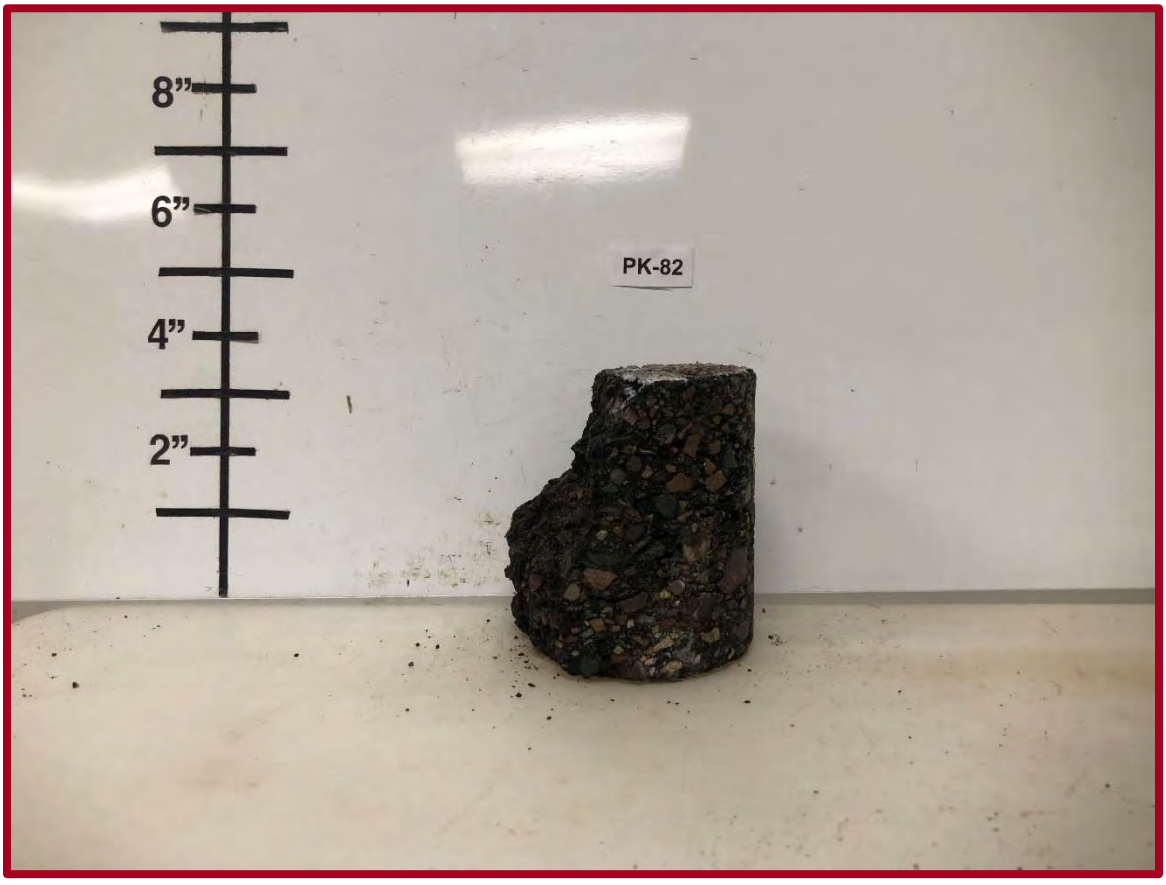


FIGURE D156: PHOTOGRAPH OF PAVEMENT CORE **PK-82**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE D157: EXISTING CONDITIONS AT PAVEMENT CORE **PK-83**
(FACING NORTHWEST)



FIGURE D158: PHOTOGRAPH OF PAVEMENT CORE **PK-83**

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

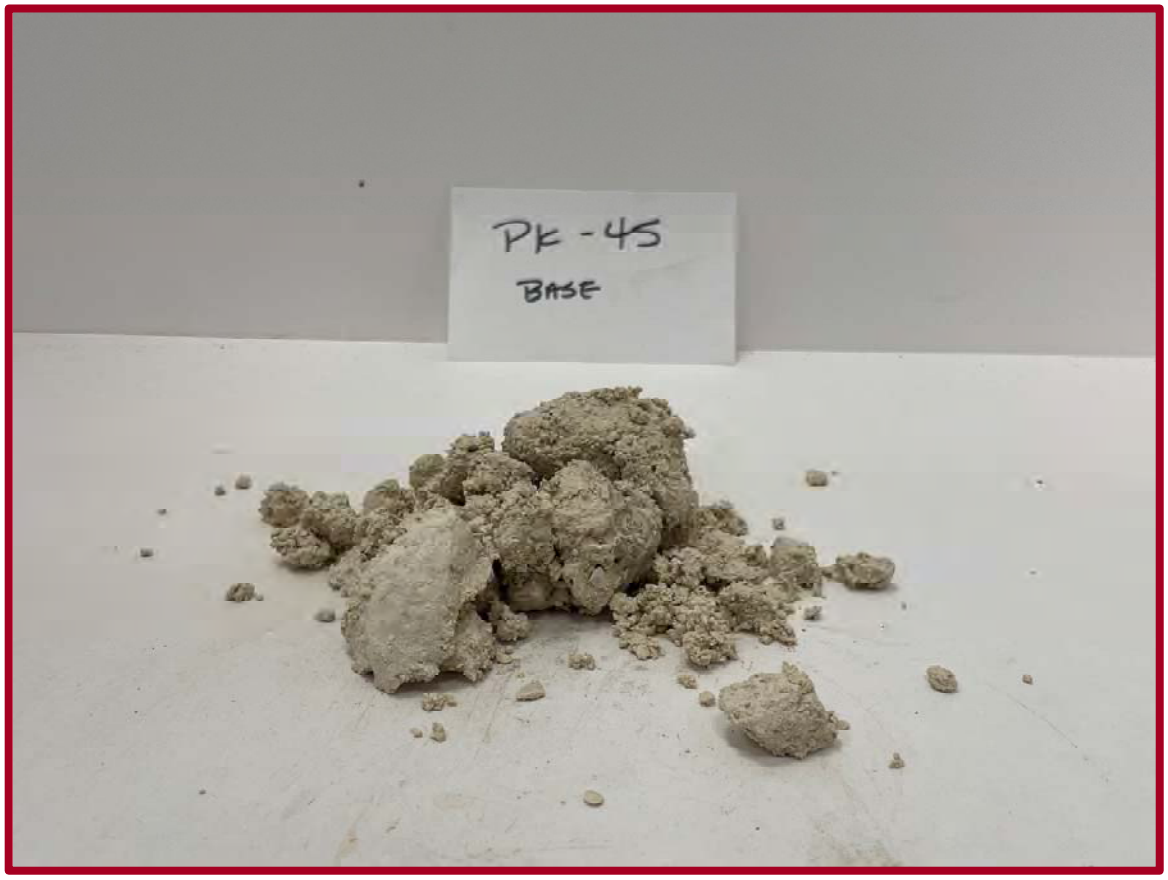


FIGURE D159: PHOTOGRAPH OF BASE MATERIAL
(LIMEROCK BASE)

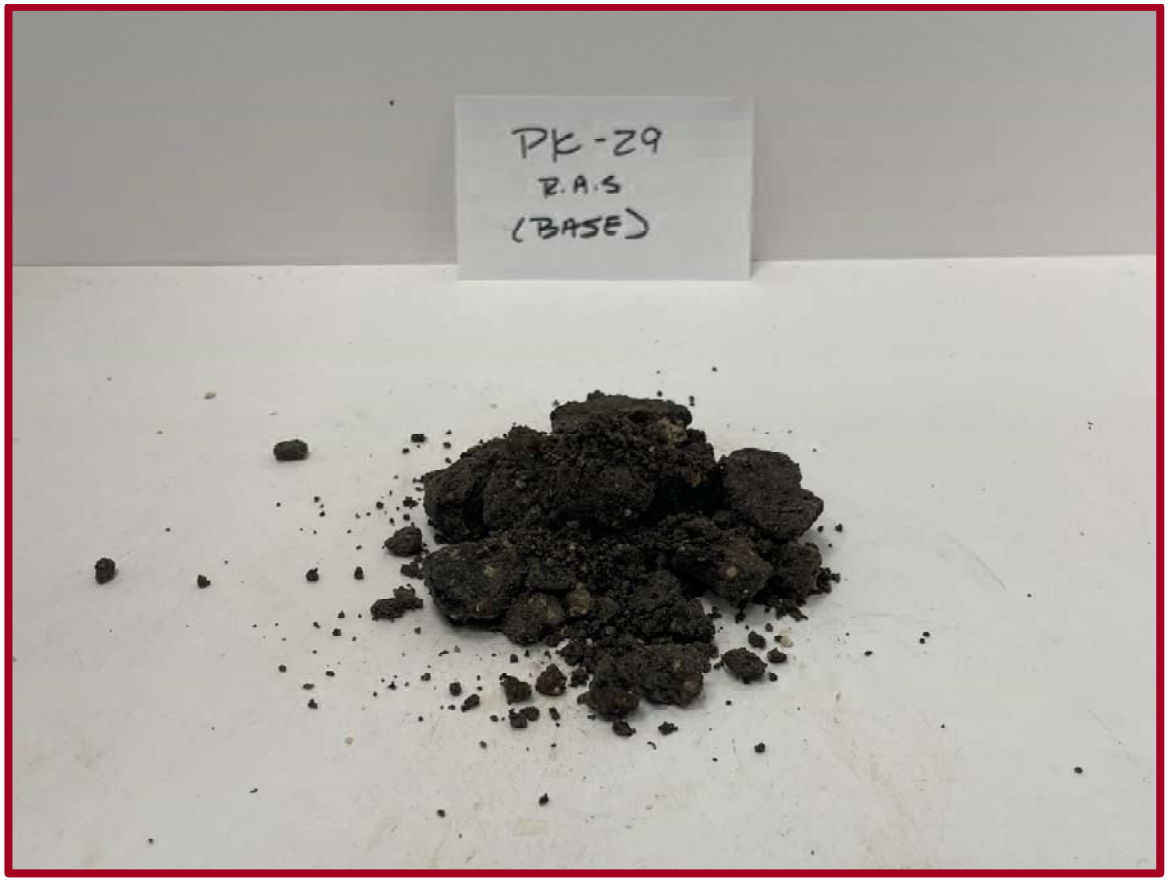


FIGURE D160: PHOTOGRAPH OF BASE MATERIAL
(UNBONDED RECYCLED ASPHALT STABILIZATION)

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

APPENDIX E

NRCS SOIL DATA

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



0 250 500
Feet

DRAWN: A. JETT	CHECKED: K. MORALES, P.E.	Environmental and Geotechnical Specialists, Inc. 3772 Kori Road Jacksonville, Florida 32257 Office: (904) 329-7180	TITLE: NRCS SOIL SURVEY CR 121 PAVEMENT EVALUATION AND WIDENING FROM DUVAL COUNTY LINE TO CR 119 NASSAU COUNTY, FLORIDA
ENGINEER: M. LANDSCHOOT, P.E.			
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC.			
PROJ. NO.: 13-54-23-01	SCALE: AS SHOWN		DATE: JULY 2023 / FIGURE NO.: E1

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



0 250 500
Feet

DRAWN: A. JETT	CHECKED: K. MORALES, P.E.	Environmental and Geotechnical Specialists, Inc. 3772 Kori Road Jacksonville, Florida 32257 Office: (904) 329-7180	TITLE: NRCS SOIL SURVEY CR 121 PAVEMENT EVALUATION AND WIDENING FROM DUVAL COUNTY LINE TO CR 119 NASSAU COUNTY, FLORIDA
ENGINEER: M. LANDSCHOOT, P.E.			
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC.			
PROJ. NO.: 13-54-23-01	SCALE: AS SHOWN		DATE: JULY 2023 / FIGURE NO.: E2

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



Legend

- Nassau County Boundary

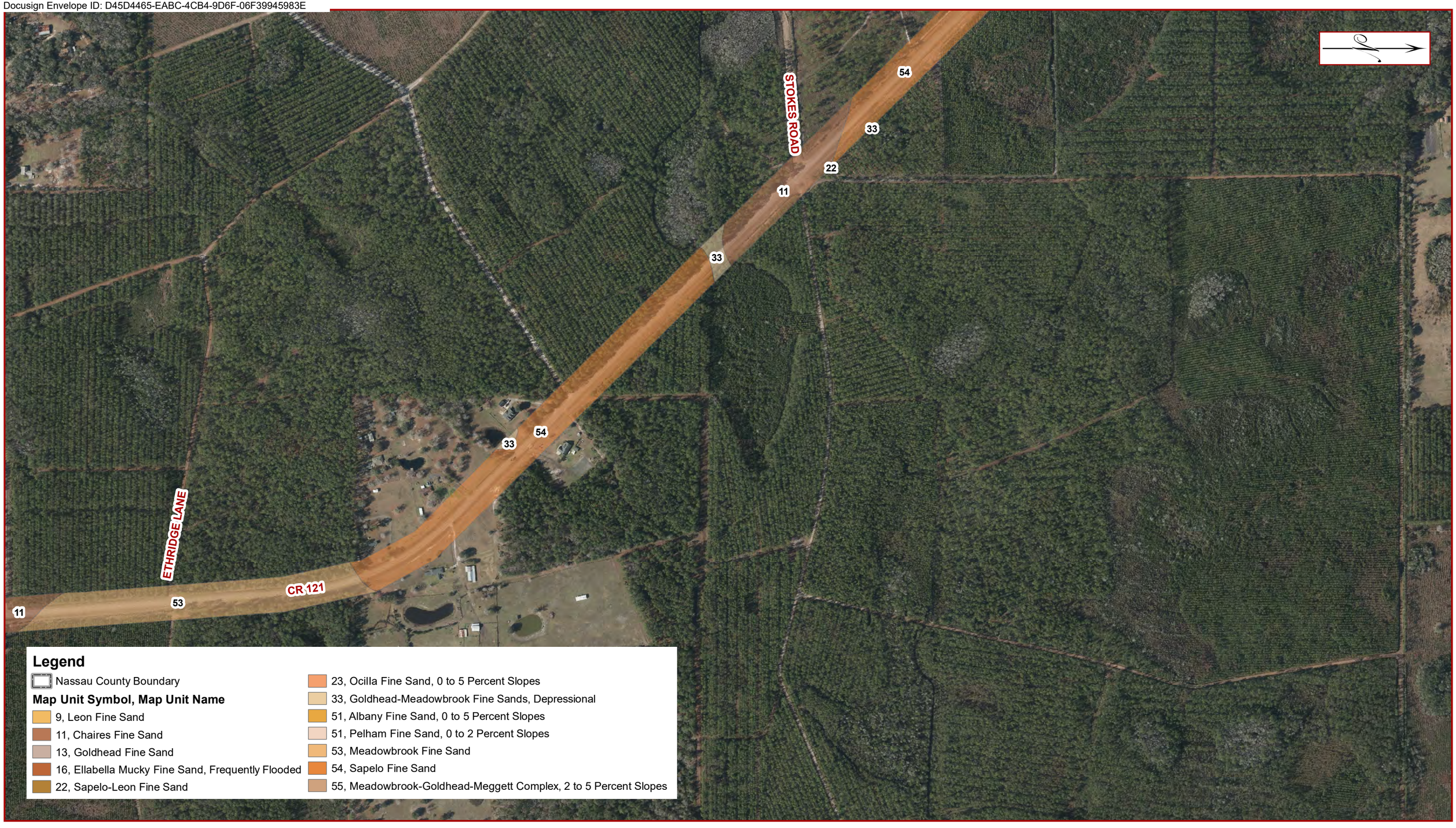
Map Unit Symbol, Map Unit Name

- 9, Leon Fine Sand
- 11, Chaires Fine Sand
- 13, Goldhead Fine Sand
- 16, Ellabella Mucky Fine Sand, Frequently Flooded
- 22, Sapelo-Leon Fine Sand
- 23, Ocilla Fine Sand, 0 to 5 Percent Slopes
- 33, Goldhead-Meadowbrook Fine Sands, Depressional
- 51, Albany Fine Sand, 0 to 5 Percent Slopes
- 51, Pelham Fine Sand, 0 to 2 Percent Slopes
- 53, Meadowbrook Fine Sand
- 54, Sapelo Fine Sand
- 55, Meadowbrook-Goldhead-Meggett Complex, 2 to 5 Percent Slopes

0 250 500
Feet

DRAWN: A. JETT	CHECKED: K. MORALES, P.E.	Environmental and Geotechnical Specialists, Inc. 3772 Kori Road Jacksonville, Florida 32257 Office: (904) 329-7180	TITLE: NRCS SOIL SURVEY CR 121 PAVEMENT EVALUATION AND WIDENING FROM DUVAL COUNTY LINE TO CR 119 NASSAU COUNTY, FLORIDA
ENGINEER: M. LANDSCHOOT, P.E.			
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC.			
PROJ. NO.: 13-54-23-01	SCALE: AS SHOWN		DATE: JULY 2023 / FIGURE NO.: E3

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



Legend

- Nassau County Boundary

Map Unit Symbol, Map Unit Name

- 9, Leon Fine Sand
- 11, Chaires Fine Sand
- 13, Goldhead Fine Sand
- 16, Ellabella Mucky Fine Sand, Frequently Flooded
- 22, Sapelo-Leon Fine Sand
- 23, Ocilla Fine Sand, 0 to 5 Percent Slopes
- 33, Goldhead-Meadowbrook Fine Sands, Depressional
- 51, Albany Fine Sand, 0 to 5 Percent Slopes
- 51, Pelham Fine Sand, 0 to 2 Percent Slopes
- 53, Meadowbrook Fine Sand
- 54, Sapelo Fine Sand
- 55, Meadowbrook-Goldhead-Meggett Complex, 2 to 5 Percent Slopes

0 250 500
Feet

DRAWN: A. JETT	CHECKED: K. MORALES, P.E.	Environmental and Geotechnical Specialists, Inc. 3772 Kori Road Jacksonville, Florida 32257 Office: (904) 329-7180	TITLE: NRCS SOIL SURVEY CR 121 PAVEMENT EVALUATION AND WIDENING FROM DUVAL COUNTY LINE TO CR 119 NASSAU COUNTY, FLORIDA
ENGINEER: M. LANDSCHOOT, P.E.			
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC.			
PROJ. NO.: 13-54-23-01	SCALE: AS SHOWN		DATE: JULY 2023 / FIGURE NO.: E4

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



Legend

- Nassau County Boundary

Map Unit Symbol, Map Unit Name

- 9, Leon Fine Sand
- 11, Chaires Fine Sand
- 13, Goldhead Fine Sand
- 16, Ellabella Mucky Fine Sand, Frequently Flooded
- 22, Sapelo-Leon Fine Sand
- 23, Ocilla Fine Sand, 0 to 5 Percent Slopes
- 33, Goldhead-Meadowbrook Fine Sands, Depressional
- 51, Albany Fine Sand, 0 to 5 Percent Slopes
- 51, Pelham Fine Sand, 0 to 2 Percent Slopes
- 53, Meadowbrook Fine Sand
- 54, Sapelo Fine Sand
- 55, Meadowbrook-Goldhead-Meggett Complex, 2 to 5 Percent Slopes

0 250 500
Feet

DRAWN: A. JETT	CHECKED: K. MORALES, P.E.	Environmental and Geotechnical Specialists, Inc. 3772 Kori Road Jacksonville, Florida 32257 Office: (904) 329-7180	TITLE: NRCS SOIL SURVEY CR 121 PAVEMENT EVALUATION AND WIDENING FROM DUVAL COUNTY LINE TO CR 119 NASSAU COUNTY, FLORIDA
ENGINEER: M. LANDSCHOOT, P.E.			
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC.			
PROJ. NO.: 13-54-23-01	SCALE: AS SHOWN		DATE: JULY 2023 / FIGURE NO.: E5

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Chemical Soil Properties–Duval County, Florida								
Map symbol and soil name	**Depth**	**Cation-exchange capacity**	**Effective cation-exchange capacity**	**Soil reaction**	**Calcium carbonate**	**Gypsum**	**Salinity**	**Sodium adsorption ratio**
	In	*meq/100g*	*meq/100g*	*pH*	*Pct*	*Pct*	*mmhos/cm*	
51—Pelham fine sand, 0 to 2 percent slopes								
Pelham	0-6	—	0.3-0.9	3.5-5.5	0	0	0.0-2.0	0-4
	6-26	—	0.3-2.9	3.5-5.5	0	0	0.0-2.0	0-4
	26-42	—	1.1-3.8	3.5-5.5	0	0	0.0-2.0	0-4
	42-83	—	1.3-3.8	3.5-5.5	0	0	0.0-2.0	0-4

Chemical Soil Properties–Nassau County, Florida								
Map symbol and soil name	**Depth**	**Cation-exchange capacity**	**Effective cation-exchange capacity**	**Soil reaction**	**Calcium carbonate**	**Gypsum**	**Salinity**	**Sodium adsorption ratio**
	In	*meq/100g*	*meq/100g*	*pH*	*Pct*	*Pct*	*mmhos/cm*	
9—Leon fine sand, 0 to 2 percent slopes								
Leon, non-hydric	0-8	—	0.1-5.6	3.5-4.7	0	0	0.0-2.0	0-4
	8-18	—	0.0-5.4	3.2-5.4	0	0	0.0-2.0	0-4
	18-37	—	0.1-5.7	3.1-5.2	0	0	0.0-2.0	0-4
	37-45	—	0.0-5.6	4.3-5.2	0	0	0.0-2.0	0-4
	45-80	—	0.1-5.3	4.5-5.6	0	0	0.0-2.0	0-4
11—Chaires fine sand								
Chaires	0-7	—	0.3-3.0	3.5-5.5	0	0	0.0-2.0	0-4
	7-18	—	0.0-2.1	3.5-5.5	0	0	0.0-2.0	0-4
	18-27	—	0.4-5.3	3.5-5.5	0	0	0.0-2.0	0-4
	27-31	—	0.0-1.7	3.5-5.5	0	0	0.0-2.0	0-4
	31-80	9.1-19	—	4.5-7.3	0	0	0.0-2.0	0-4

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Chemical Soil Properties–Nassau County, Florida								
Map symbol and soil name	**Depth**	**Cation-exchange capacity**	**Effective cation-exchange capacity**	**Soil reaction**	**Calcium carbonate**	**Gypsum**	**Salinity**	**Sodium adsorption ratio**
	In	*meq/100g*	*meq/100g*	*pH*	*Pct*	*Pct*	*mmhos/cm*	
13—Goldhead fine sand								
Goldhead, non-hydric	0-8	0.6-2.8	—	4.5-7.8	0	0	0.0-2.0	0-4
	8-33	0.5-2.7	—	4.5-7.8	0	0	0.0-2.0	0-4
	33-69	6.6-18	—	4.5-8.4	0	0	0.0-2.0	0-4
	69-80	—	0.0-4.3	3.5-5.5	0	0	0.0-2.0	0-4
Goldhead, hydric	0-8	0.6-2.8	—	4.5-7.8	0	0	0.0-2.0	0-4
	8-33	0.5-2.7	—	4.5-7.8	0	0	0.0-2.0	0-4
	33-69	6.6-18	—	4.5-8.4	0	0	0.0-2.0	0-4
	69-80	—	0.0-4.3	3.5-5.5	0	0	0.0-2.0	0-4
16—Ellabelle mucky fine sand, frequently flooded								
Ellabelle	0-4	—	11-28	4.5-5.5	0	0	0.0-2.0	0-4
	4-12	—	0.0-1.2	4.5-5.5	0	0	0.0-2.0	0-4
	12-36	—	0.0-3.0	4.5-5.5	0	0	0.0-2.0	0-4
	36-80	—	4.0-7.0	4.5-5.5	0	0	0.0-2.0	0-4

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Chemical Soil Properties–Nassau County, Florida								
Map symbol and soil name	**Depth**	**Cation-exchange capacity**	**Effective cation-exchange capacity**	**Soil reaction**	**Calcium carbonate**	**Gypsum**	**Salinity**	**Sodium adsorption ratio**
	In	*meq/100g*	*meq/100g*	*pH*	*Pct*	*Pct*	*mmhos/cm*	
22—Sapelo-Leon fine sand								
Sapelo, non-hydric	0-6	—	0.2-3.2	3.5-5.5	0	0	0.0-2.0	0-4
	6-21	—	0.1-4.6	3.5-5.5	0	0	0.0-2.0	0-4
	21-27	—	0.3-3.8	3.5-5.5	0	0	0.0-2.0	0-4
	27-43	—	0.1-10	3.5-5.5	0	0	0.0-2.0	0-4
	43-70	0.2-5.0	0.1-5.0	3.5-5.5	0	0	0.0-2.0	0-4
	70-80	—	0.3-5.5	3.5-5.5	0	0	0.0-2.0	0-4
Leon, non-hydric	0-7	—	0.2-3.5	3.5-6.5	0	0	0.0-2.0	0-4
	7-20	—	0.0-1.9	3.5-6.5	0	0	0.0-2.0	0-4
	20-24	—	0.5-4.5	3.5-6.5	0	0	0.0-2.0	0-4
	24-37	—	0.0-2.3	3.5-6.5	0	0	0.0-2.0	0-4
	37-80	—	0.5-4.5	3.5-6.5	0	0	0.0-2.0	0-4
Leon, hydric	0-7	—	0.2-3.5	3.5-6.5	0	0	0.0-2.0	0-4
	7-20	—	0.0-1.9	3.5-6.5	0	0	0.0-2.0	0-4
	20-24	—	0.5-4.5	3.5-6.5	0	0	0.0-2.0	0-4
	24-37	—	0.0-2.3	3.5-6.5	0	0	0.0-2.0	0-4
	37-80	—	0.5-4.5	3.5-6.5	0	0	0.0-2.0	0-4
Sapelo, hydric	0-6	—	0.2-3.2	3.5-5.5	0	0	0.0-2.0	0-4
	6-21	—	0.1-4.6	3.5-5.5	0	0	0.0-2.0	0-4
	21-27	—	0.3-3.8	3.5-5.5	0	0	0.0-2.0	0-4
	27-43	—	0.1-10	3.5-5.5	0	0	0.0-2.0	0-4
	43-70	0.2-5.0	0.1-5.0	3.5-5.5	0	0	0.0-2.0	0-4
	70-80	—	0.3-5.5	3.5-5.5	0	0	0.0-2.0	0-4

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Chemical Soil Properties–Nassau County, Florida								
Map symbol and soil name	**Depth**	**Cation-exchange capacity**	**Effective cation-exchange capacity**	**Soil reaction**	**Calcium carbonate**	**Gypsum**	**Salinity**	**Sodium adsorption ratio**
	In	*meq/100g*	*meq/100g*	*pH*	*Pct*	*Pct*	*mmhos/cm*	
23—Ocilla fine sand, 0 to 5 percent slopes								
Ocilla	0-7	—	0.5-1.8	4.5-5.5	0	0	0.0-2.0	0-4
	7-34	—	0.1-3.9	4.5-5.5	0	0	0.0-2.0	0-4
	34-80	—	3.0-6.0	4.5-5.5	0	0	0.0-2.0	0-4
33—Goldhead-Meadowbrook fine sands, depressional								
Goldhead, depressional	0-8	0.6-2.8	—	4.5-7.8	0	0	0.0-2.0	0-4
	8-19	0.5-2.7	—	4.5-7.8	0	0	0.0-2.0	0-4
	19-80	6.6-18	—	4.5-8.4	0	0	0.0-2.0	0-4
Meadowbrook, depressional	0-6	0.0-0.6	—	3.5-7.3	0	0	0.0-2.0	0-4
	6-55	0.2-1.2	—	3.5-8.4	0	0	0.0-2.0	0-4
	55-80	15-25	—	4.5-8.4	0-5	0	0.0-2.0	0-4
51—Albany fine sand, 0 to 5 percent slopes								
Albany	0-2	—	0.1-1.8	3.5-6.5	0	0	0.0-2.0	0-4
	2-50	—	0.0-7.5	3.5-6.5	0	0	0.0-2.0	0-4
	50-80	—	0.4-4.7	4.5-6.0	0	0	0.0-2.0	0-4
53—Meadowbrook fine sand								
Meadowbrook, non-hydric	0-8	0.0-0.6	—	3.5-7.3	0	0	0.0-2.0	0-4
	8-44	0.2-1.2	—	3.5-8.4	0	0	0.0-2.0	0-4
	44-80	2.1-4.3	—	4.5-8.4	0-5	0	0.0-2.0	0-4
Meadowbrook, hydric	0-8	0.0-0.6	—	3.5-7.3	0	0	0.0-2.0	0-4
	8-44	0.2-1.2	—	3.5-8.4	0	0	0.0-2.0	0-4
	44-80	2.1-4.3	—	4.5-8.4	0-5	0	0.0-2.0	0-4

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Chemical Soil Properties–Nassau County, Florida								
Map symbol and soil name	**Depth**	**Cation-exchange capacity**	**Effective cation-exchange capacity**	**Soil reaction**	**Calcium carbonate**	**Gypsum**	**Salinity**	**Sodium adsorption ratio**
	In	*meq/100g*	*meq/100g*	*pH*	*Pct*	*Pct*	*mmhos/cm*	
54—Sapelo fine sand								
Sapelo, non-hydric	0-6	—	0.2-3.2	3.5-5.5	0	0	0.0-2.0	0-4
	6-21	—	0.1-3.6	3.5-5.5	0	0	0.0-2.0	0-4
	21-27	—	0.3-3.8	3.5-5.5	0	0	0.0-2.0	0-4
	27-43	—	0.3-3.9	3.5-5.5	0	0	0.0-2.0	0-4
	43-70	—	0.6-8.9	3.5-5.5	0	0	0.0-2.0	0-4
	70-80	—	0.1-3.1	3.5-5.5	0	0	0.0-2.0	0-4
Sapelo, hydric	0-6	—	0.2-3.2	3.5-5.5	0	0	0.0-2.0	0-4
	6-21	—	0.1-4.6	3.5-5.5	0	0	0.0-2.0	0-4
	21-27	—	0.3-3.8	3.5-5.5	0	0	0.0-2.0	0-4
	27-43	—	0.1-10	3.5-5.5	0	0	0.0-2.0	0-4
	43-70	0.2-5.0	0.1-5.0	3.5-5.5	0	0	0.0-2.0	0-4
	70-80	—	0.3-5.5	3.5-5.5	0	0	0.0-2.0	0-4
55—Meadowbrook-Goldhead-Meggett complex, 2 to 5 percent slopes								
Meadowbrook	0-8	0.0-1.2	—	3.5-7.3	0	0	0.0-2.0	0-4
	8-65	0.4-2.2	—	3.5-8.4	0	0	0.0-2.0	0-4
	65-80	3.7-7.7	—	4.5-8.4	0-5	0	0.0-2.0	0-4
Goldhead	0-2	0.6-2.8	—	4.5-7.8	0	0	0.0-2.0	0-4
	2-32	0.5-2.7	—	4.5-7.8	0	0	0.0-2.0	0-4
	32-80	6.6-18	—	4.5-8.4	0	0	0.0-2.0	0-4
Meggett	0-8	2.8-11	—	4.5-6.5	0	0	0.0-2.0	0-4
	8-40	16-32	—	5.1-8.4	0	0	0.0-2.0	0-4
	40-80	13-26	—	6.1-8.4	0-15	0	0.0-2.0	0-4

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Absence of an entry indicates that the data were not estimated. The asterisk '*' denotes the representative texture; other possible textures follow the dash. The criteria for determining the hydrologic soil group for individual soil components is found in the National Engineering Handbook, Chapter 7 issued May 2007(http://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=17757.wba). Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Engineering Properties–Duval County, Florida														
Map unit symbol and soil name	**Pct. of map unit**	**Hydrologic group**	**Depth**	**USDA texture**	**Classification**		**Pct Fragments**		**Percentage passing sieve number—**				**Liquid limit**	**Plasticity index**
					Unified	**AASHTO**	**>10 inches**	**3-10 inches**	**4**	**10**	**40**	**200**		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
51—Pelham fine sand, 0 to 2 percent slopes														
Pelham	75	B/D	0-6	Loamy fine sand, fine sand	SM	A-2-4	0- 0- 0	0- 0- 0	100-100-100	94-100-100	87-99-100	21-27-36	0-0 -19	NP-0 -1
			6-26	Fine sand, loamy fine sand	SM	A-2-4	0- 0- 0	0- 0- 0	100-100-100	94-100-100	85-99-100	18-26-37	0-0 -19	NP-0 -3
			26-42	Sandy clay loam, fine sandy loam	SC	A-2, A-6	0- 0- 0	0- 0- 0	100-100-100	95-100-100	84-99-100	32-42-54	23-30-37	8-14-19
			42-83	Fine sandy loam, sandy clay loam	SC	A-2, A-6	0- 0- 0	0- 0- 0	100-100-100	95-100-100	86-100-100	34-43-54	27-32-38	12-15-20

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Engineering Properties–Nassau County, Florida														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
9—Leon fine sand, 0 to 2 percent slopes														
Leon, non-hydric	89	A/D	0-8	Fine sand	SP-SM	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	92-98-100	6- 9- 16	0-0 -34	NP-0 -6
			8-18	Fine sand	SP-SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	93-97-100	4- 6- 14	0-0 -23	NP-0 -6
			18-37	Fine sand, loamy fine sand	SP-SM, SM	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	92-97-100	6- 9- 18	0-0 -32	NP-0 -9
			37-45	Fine sand, loamy fine sand	SP-SM	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	93-97-100	5- 7- 15	0-0 -24	NP-0 -6
			45-80	Fine sand, loamy fine sand	SP-SM	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	92-97-100	6- 9- 18	0-0 -30	NP-0 -9
11—Chaires fine sand														
Chaires	91	C/D	0-7	Fine sand	SP-SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	85-93-100	2- 7- 12	0-7 -14	NP
			7-18	Fine sand	SP-SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	85-93-100	2- 7- 12	0-7 -14	NP
			18-27	Sand, fine sand, loamy fine sand	SP-SM, SM	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	85-93-100	5-13- 20	0-7 -14	NP
			27-31	Sand, fine sand	SP-SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	80-90-100	2- 7- 12	0-7 -14	NP
			31-80	Sandy clay loam, sandy clay	SC	A-2-6, A-2-7, A-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	85-93-100	25-38-50	25-38 -50	10-20-30

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Engineering Properties–Nassau County, Florida														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
13—Goldhead fine sand														
Goldhead, non-hydric	50	B/D	0-8	Fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	90-95- 99	2- 4- 6	0-7 -14	NP
			8-33	Sand, fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	95-98-1 00	90-95-1 00	90-95- 99	2- 4- 6	0-7 -14	NP
			33-69	Sandy loam, clay loam, sandy clay loam	SC-SM, SC, SM	A-2-4, A-2-6, A-6	0- 0- 0	0- 1- 3	75-88-1 00	65-83-1 00	60-80-1 00	15-28- 40	20-30 -40	NP-13-2 5
			69-80	Fine sand, sand, loamy fine sand	SP-SM, SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	90-95-1 00	1-11- 20	0-7 -14	NP
Goldhead, hydric	43	B/D	0-8	Fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	90-95- 99	2- 4- 6	0-7 -14	NP
			8-33	Sand, fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	95-98-1 00	90-95-1 00	90-95- 99	2- 4- 6	0-7 -14	NP
			33-69	Sandy loam, clay loam, sandy clay loam	SC-SM, SC, SM	A-2-4, A-2-6, A-6	0- 0- 0	0- 1- 3	75-88-1 00	65-83-1 00	60-80-1 00	15-28- 40	20-30 -40	NP-13-2 5
			69-80	Fine sand, sand, loamy fine sand	SP-SM, SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	90-95-1 00	1-11- 20	0-7 -14	NP

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Engineering Properties–Nassau County, Florida														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
16—Ellabelle mucky fine sand, frequently flooded														
Ellabelle	91	B/D	0-4	Mucky fine sand	SP-SM, SM	A-1, A-2	0- 0- 0	0- 0- 0	100-100 -100	95-98-1 00	48-62-75	11-19-26	0-7 -14	NP
			4-12	Fine sand	SP-SM, SM	A-1, A-2	0- 0- 0	0- 0- 0	100-100 -100	95-98-1 00	48-62-75	11-19-26	0-7 -14	NP
			12-36	Fine sand	SP-SM, SM	A-1, A-2	0- 0- 0	0- 0- 0	100-100 -100	95-98-1 00	48-62-75	11-19-26	0-7 -14	NP
			36-80	Sandy clay loam, sandy clay, fine sandy loam	CL, SC	A-6, A-7	0- 0- 0	0- 0- 0	100-100 -100	95-98-1 00	65-78-90	36-44-52	32-39 -46	15-20-25

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Engineering Properties–Nassau County, Florida														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
22—Sapelo-Leon fine sand														
Sapelo, non-hydric	49	B/D	0-6	Fine sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	85-93-100	4-11- 20	0-7 -14	NP
			6-21	Fine sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	85-93-100	4-11- 20	0-7 -14	NP
			21-27	Fine sand, sand, loamy fine sand	SP-SM, SM	A-2, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	80-90-100	8-14- 20	0-7 -14	NP
			27-43	Loamy fine sand, fine sand, sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	75-88-100	4-11- 20	0-7 -14	NP
			43-70	Fine sandy loam, sandy clay loam, sandy loam	SC-SM, SC, SM	A-2, A-4, A-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	80-90-100	20-35- 50	0-20 -40	NP-10-20
			70-80	Fine sand, loamy fine sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	85-93-100	4-12- 20	0-7 -14	NP
Leon, non-hydric	24	A/D	0-7	Fine sand	SP-SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	80-90-100	2- 7- 12	0-7 -14	NP
			7-20	Fine sand, sand	SP-SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	80-90-100	2- 7- 12	0-7 -14	NP
			20-24	Sand, fine sand, loamy sand	SP-SM, SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	80-90-100	3-12- 20	0-7 -14	NP
			24-37	Sand, fine sand	SP-SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	80-90-100	2- 7- 12	0-7 -14	NP
			37-80	Sand, fine sand, loamy sand	SP-SM, SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	80-90-100	3-12- 20	0-7 -14	NP
Leon, hydric	10	A/D	0-7	Fine sand	SP-SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	80-90-100	2- 7- 12	0-7 -14	NP
			7-20	Sand, fine sand	SP-SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	80-90-100	2- 7- 12	0-7 -14	NP
			20-24	Sand, fine sand, loamy sand	SP-SM, SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	80-90-100	3-12- 20	0-7 -14	NP

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Engineering Properties–Nassau County, Florida														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
			24-37	Sand, fine sand	SP-SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100-100	100-100-100	80-90-100	2- 7- 12	0-7 -14	NP
			37-80	Sand, fine sand, loamy sand	SP-SM, SM, SP	A-2-4, A-3	0- 0- 0	0- 0- 0	100-100-100	100-100-100	80-90-100	3-12- 20	0-7 -14	NP
Sapelo, hydric	10	B/D	0-6	Fine sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100-100	100-100-100	85-93-100	4-11- 20	0-7 -14	NP
			6-21	Fine sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100-100	100-100-100	85-93-100	4-11- 20	0-7 -14	NP
			21-27	Fine sand, sand, loamy fine sand	SP-SM, SM	A-2, A-3	0- 0- 0	0- 0- 0	100-100-100	100-100-100	80-90-100	8-14- 20	0-7 -14	NP
			27-43	Loamy fine sand, fine sand, sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100-100	100-100-100	75-88-100	4-11- 20	0-7 -14	NP
			43-70	Fine sandy loam, sandy clay loam, sandy loam	SC-SM, SC, SM	A-2, A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	80-90-100	20-35-50	0-20 -40	NP-10-20
			70-80	Loamy fine sand, fine sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100-100	100-100-100	85-93-100	4-12- 20	0-7 -14	NP
23—Ocilla fine sand, 0 to 5 percent slopes														
Ocilla	94	B/D	0-7	Fine sand	SP-SM, SM	A-2, A-3	0- 0- 0	0- 0- 0	100-100-100	95-98-100	70-85-100	8-22- 35	0-7 -14	NP
			7-34	Fine sand	SP-SM, SM	A-2, A-3	0- 0- 0	0- 0- 0	100-100-100	95-98-100	70-85-100	8-22- 35	0-7 -14	NP
			34-80	Sandy loam, sandy clay loam, fine sandy loam	CL, ML, SC, SM	A-2, A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	95-98-100	80-90-100	20-38-55	20-30 -40	NP-9 -18

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Engineering Properties–Nassau County, Florida														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
33—Goldhead-Meadowbrook fine sands, depressional														
Goldhead, depressional	64	B/D	0-8	Fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-95-99	2- 4- 6	0-7 -14	NP
			8-19	Fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-95-99	2- 4- 6	0-7 -14	NP
			19-80	Sandy loam, fine sandy loam, sandy clay loam	SC-SM, SC, SM	A-2-4, A-2-6	0- 0- 0	0- 2- 3	75-88-100	65-82-98	60-78-95	15-25-35	20-30 -40	NP-13-25
Meadowbrook, depressional	27	A/D	0-6	Fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	100-100-100	95-98-100	70-83-95	2- 6- 10	0-7 -14	NP
			6-55	Sand, fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	100-100-100	95-98-100	70-83-95	2- 6- 10	0-7 -14	NP
			55-80	Sandy loam, fine sandy loam, sandy clay loam	SC-SM, SC, SM	A-2-4, A-2-6	0- 0- 0	0- 0- 0	100-100-100	95-98-100	70-85-99	13-25-35	0-18 -35	NP-5 -12
51—Albany fine sand, 0 to 5 percent slopes														
Albany	86	A/D	0-2	Fine sand	SP-SM, SM	A-2	0- 0- 0	0- 0- 0	100-100-100	100-100-100	75-83-90	10-15-20	0-7 -14	NP
			2-50	Fine sand	SP-SM, SM	A-2	0- 0- 0	0- 0- 0	100-100-100	100-100-100	75-83-90	10-15-20	0-7 -14	NP
			50-80	Sandy clay loam, sandy loam, fine sandy loam	SC-SM, SC, SM	A-2, A-4, A-6	0- 0- 0	0- 0- 0	97-99-100	95-98-100	70-85-100	20-35-50	0-20 -40	NP-9 -17

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Engineering Properties–Nassau County, Florida														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
53—Meadowbrook fine sand														
Meadowbrook, non-hydric	55	A/D	0-8	Fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	100-100 -100	95-98-100	70-83-95	2- 6- 10	0-7 -14	NP
			8-44	Sand, fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	100-100 -100	95-98-100	70-83-95	2- 6- 10	0-7 -14	NP
			44-80	Sandy loam, fine sandy loam, sandy clay loam	SC-SM, SC, SM	A-2-4, A-2-6	0- 0- 0	0- 0- 0	100-100 -100	95-98-100	70-85-99	13-30-35	0-18 -35	NP-10-20
Meadowbrook, hydric	35	A/D	0-8	Fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	100-100 -100	95-98-100	70-83-95	2- 6- 10	0-7 -14	NP
			8-44	Sand, fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	100-100 -100	95-98-100	70-83-95	2- 6- 10	0-7 -14	NP
			44-80	Sandy loam, fine sandy loam, sandy clay loam	SC-SM, SC, SM	A-2-4, A-2-6	0- 0- 0	0- 0- 0	100-100 -100	95-98-100	70-85-99	13-30-35	0-18 -35	NP-10-20

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Engineering Properties–Nassau County, Florida														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
54—Sapelo fine sand														
Sapelo, non-hydric	80	B/D	0-6	Fine sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	85-93-100	4-12- 20	0-7 -14	NP
			6-21	Fine sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	85-93-100	4-12- 20	0-7 -14	NP
			21-27	Fine sand, sand, loamy fine sand	SP-SM, SM	A-2, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	80-90-100	8-14- 20	0-7 -14	NP
			27-43	Fine sand, sand, loamy fine sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	75-88-100	4-12- 20	0-7 -14	NP
			43-70	Fine sandy loam, sandy clay loam, sandy loam	SC-SM, SC, SM	A-2, A-4, A-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	80-90-100	20-35- 50	0-20 -40	NP-10-20
			70-80	Fine sand, loamy fine sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	85-93-100	4-12- 20	0-7 -14	NP
Sapelo, hydric	10	B/D	0-6	Fine sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	85-93-100	4-11- 20	0-7 -14	NP
			6-21	Fine sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	85-93-100	4-11- 20	0-7 -14	NP
			21-27	Fine sand, sand, loamy fine sand	SP-SM, SM	A-2, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	80-90-100	8-14- 20	0-7 -14	NP
			27-43	Loamy fine sand, fine sand, sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	75-88-100	4-11- 20	0-7 -14	NP
			43-70	Fine sandy loam, sandy clay loam, sandy loam	SC-SM, SC, SM	A-2, A-4, A-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	80-90-100	20-35- 50	0-20 -40	NP-10-20
			70-80	Fine sand, loamy fine sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	85-93-100	4-12- 20	0-7 -14	NP

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Engineering Properties–Nassau County, Florida														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
55—Meadowbrook-Goldhead-Meggett complex, 2 to 5 percent slopes														
Meadowbrook	41	A/D	0-8	Fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	100-100-100	95-98-100	70-83-95	2- 6- 10	0-7 -14	NP
			8-65	Sand, fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	100-100-100	95-98-100	70-83-95	2- 6- 10	0-7 -14	NP
			65-80	Sandy loam, fine sandy loam, sandy clay loam	SC-SM, SC, SM	A-2-4, A-2-6	0- 0- 0	0- 0- 0	100-100-100	95-98-100	70-85-99	13-24-35	0-18 -35	NP-10-20
Goldhead	31	B/D	0-2	Fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-95-99	2- 4- 6	0-7 -14	NP
			2-32	Sand, fine sand	SP-SM, SP	A-3	0- 0- 0	0- 0- 0	95-98-100	90-95-100	90-95-99	2- 4- 6	0-7 -14	NP
			32-80	Sandy loam, gravelly sandy loam, sandy clay loam	SC-SM, SC, SM	A-2-4, A-2-6	—	0- 2- 3	75-88-100	65-83-100	60-78-95	15-25-35	20-30 -40	NP-13-25
Meggett	22	C/D	0-8	Fine sandy loam	ML, SM	A-2, A-4	0- 0- 0	0- 0- 0	100-100-100	95-98-100	50-68-85	15-35-55	0-7 -14	NP
			8-40	Clay, sandy clay, clay loam	CH, CL, MH	A-6, A-7	0- 0- 0	0- 0- 0	100-100-100	90-95-100	75-88-100	51-71-90	30-45 -60	11-21-30
			40-80	Sandy clay, sandy clay loam, clay	MH, ML, SC, SM	A-4, A-6, A-7	0- 0- 0	0- 0- 0	90-95-100	65-83-100	50-75-100	36-63-90	30-45 -60	7-16-25

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Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Physical Soil Properties–Duval County, Florida														
Map symbol and soil name	**Depth**	**Sand**	**Silt**	**Clay**	**Moist bulk density**	**Saturated hydraulic conductivity**	**Available water capacity**	**Linear extensibility**	**Organic matter**	**Erosion factors**			**Wind erodibility group**	**Wind erodibility index**
										Kw	**Kf**	**T**		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
51—Pelham fine sand, 0 to 2 percent slopes														
Pelham	0-6	82-87- 89	7-10- 16	2- 3- 4	1.10-1.20-1.56	42.00-92.00-141.00	0.06-0.07-0.11	0.1- 0.2- 0.3	0.8- 1.2-1.5	.20	.20	5	1	250
	6-26	82-88- 92	6- 9- 16	2- 3- 7	1.10-1.20-1.62	42.00-92.00-141.00	0.05-0.06-0.10	0.1- 0.2- 0.6	0.1- 0.2-0.4	.17	.17			
	26-42	66-71- 79	5- 8- 12	13-21- 28	1.55-1.62-1.64	1.40-9.00-42.00	0.14-0.16-0.17	0.4- 0.8- 1.1	0.0- 0.1-0.2	.24	.24			
	42-83	66-70- 75	3- 7- 11	18-23- 29	1.45-1.59-1.68	1.40-9.00-42.00	0.11-0.16-0.18	0.5- 0.8- 1.1	0.0- 0.1-0.5	.24	.24			

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Physical Soil Properties–Nassau County, Florida														
Map symbol and soil name	**Depth**	**Sand**	**Silt**	**Clay**	**Moist bulk density**	**Saturated hydraulic conductivity**	**Available water capacity**	**Linear extensibility**	**Organic matter**	**Erosion factors**			**Wind erodibility group**	**Wind erodibility index**
										Kw	**Kf**	**T**		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
9—Leon fine sand, 0 to 2 percent slopes														
Leon, non-hydric	0-8	85-94-100	0- 4- 15	0- 2- 10	1.54-1.55-1.56	42.35-92.00-141.18	0.05-0.06-0.08	0.0- 0.2- 1.0	0.5- 2.0-5.8	.02	.02	5	1	250
	8-18	85-97-100	0- 2- 15	0- 1- 10	1.55-1.58-1.61	42.35-92.00-141.18	0.05-0.06-0.08	0.0- 0.1- 0.9	0.0- 0.4-1.2	.02	.02			
	18-37	85-94-100	0- 3- 15	0- 3- 15	1.47-1.51-1.55	4.24-23.00-42.35	0.05-0.07-0.10	0.0- 0.3- 1.1	1.4- 2.3-3.0	.10	.10			
	37-45	85-95-100	0- 3- 15	0- 2- 10	1.53-1.57-1.61	14.12-78.00-141.18	0.05-0.07-0.10	0.0- 0.2- 1.0	0.0- 0.6-1.4	.02	.02			
	45-80	85-93-100	0- 4- 15	0- 3- 15	1.51-1.53-1.55	0.42-8.00-14.12	0.05-0.07-0.10	0.0- 0.3- 1.1	1.0- 1.5-2.4	.10	.10			
11—Chaires fine sand														
Chaires	0-7	-95-	0- 1- 15	1- 2- 3	1.10-1.28-1.45	42.00-92.00-141.00	0.05-0.10-0.15	0.0- 1.5- 2.9	2.0- 4.0-6.0	.05	.05	5	1	250
	7-18	-95-	0- 1- 15	1- 2- 3	1.10-1.28-1.45	42.00-92.00-141.00	0.05-0.10-0.15	0.0- 1.5- 2.9	0.0- 0.5-1.0	.05	.05			
	18-27	-95-	0- 1- 15	2- 8- 13	1.45-1.53-1.60	4.00-9.00-14.00	0.15-0.18-0.20	0.0- 1.5- 2.9	1.0- 2.0-3.0	.17	.17			
	27-31	-95-	0- 1- 15	0- 2- 3	1.45-1.50-1.55	42.00-92.00-141.00	0.02-0.04-0.05	0.0- 1.5- 2.9	0.0- 0.5-1.0	.20	.20			
	31-80	-56-	0-15- 28	20-30- 40	1.25-1.48-1.70	0.42-1.00-1.40	0.12-0.16-0.20	3.0- 4.5- 5.9	0.0- 0.3-0.5	.24	.24			

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Physical Soil Properties–Nassau County, Florida														
Map symbol and soil name	**Depth**	**Sand**	**Silt**	**Clay**	**Moist bulk density**	**Saturated hydraulic conductivity**	**Available water capacity**	**Linear extensibility**	**Organic matter**	**Erosion factors**			**Wind erodibility group**	**Wind erodibility index**
										Kw	**Kf**	**T**		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
13—Goldhead fine sand														
Goldhead, non-hydric	0-8	-95-	0- 9- 15	1- 3- 5	1.30-1.40-1.50	42.00-92.00-141.00	0.05-0.10-0.15	0.0- 1.5- 2.9	1.0- 2.5- 4.0	.05	.05	5	1	250
	8-33	-95-	0- 8- 15	1- 1- 5	1.35-1.43-1.50	42.00-92.00-141.00	0.02-0.04-0.05	0.0- 1.5- 2.9	0.1- 0.3- 0.5	.05	.05			
	33-69	-43-	14-24- 53	13-33- 34	1.45-1.55-1.65	4.00-9.00-14.00	0.10-0.15-0.20	0.0- 1.5- 2.9	0.0- 0.2- 0.3	.24	.24			
	69-80	-85-	0- 5- 30	0- 9- 10	1.30-1.45-1.60	42.00-92.00-141.00	0.05-0.07-0.08	0.0- 1.5- 2.9	0.0- 0.1- 0.2	.05	.05			
Goldhead, hydric	0-8	-95-	0- 9- 15	1- 3- 5	1.30-1.40-1.50	42.00-92.00-141.00	0.05-0.10-0.15	0.0- 1.5- 2.9	1.0- 2.5- 4.0	.05	.05	5	1	250
	8-33	-95-	0- 8- 15	1- 1- 5	1.35-1.43-1.50	42.00-92.00-141.00	0.02-0.04-0.05	0.0- 1.5- 2.9	0.1- 0.3- 0.5	.05	.05			
	33-69	-43-	14-24- 53	13-33- 34	1.45-1.55-1.65	4.00-9.00-14.00	0.10-0.15-0.20	0.0- 1.5- 2.9	0.0- 0.2- 0.3	.24	.24			
	69-80	-85-	0- 5- 30	0- 9- 10	1.30-1.45-1.60	42.00-92.00-141.00	0.05-0.07-0.08	0.0- 1.5- 2.9	0.0- 0.1- 0.2	.05	.05			
16—Ellabelle mucky fine sand, frequently flooded														
Ellabelle	0-4	-96-	0- 1- 15	0- 4- 7	1.40-1.55-1.70	14.00-28.00-42.00	0.05-0.07-0.08	0.0- 1.5- 2.9	10.0-15.0-20.0	.05	.05	5	1	250
	4-12	-95-	0- 1- 15	0- 4- 7	1.40-1.55-1.70	14.00-28.00-42.00	0.05-0.07-0.08	0.0- 1.5- 2.9	1.0- 3.0- 5.0	.02	.02			
	12-36	-95-	0- 1- 15	0- 4- 7	1.40-1.55-1.70	14.00-28.00-42.00	0.05-0.07-0.08	0.0- 1.5- 2.9	0.0- 0.3- 0.5	.02	.02			
	36-80	-51-	0- 8- 20	18-41- 45	1.30-1.40-1.50	4.00-9.00-14.00	0.12-0.15-0.18	0.0- 1.5- 2.9	0.0- 0.3- 0.5	.15	.15			

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Physical Soil Properties–Nassau County, Florida														
Map symbol and soil name	**Depth**	**Sand**	**Silt**	**Clay**	**Moist bulk density**	**Saturated hydraulic conductivity**	**Available water capacity**	**Linear extensibility**	**Organic matter**	**Erosion factors**			**Wind erodibility group**	**Wind erodibility index**
										Kw	**Kf**	**T**		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
22—Sapelo-Leon fine sand														
Sapelo, non-hydric	0-6	-95-	0- 2- 15	2- 3- 5	1.40-1.53-1.65	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.2- 1.0- 3.0	.02	.02	5	1	250
	6-21	-95-	0- 2- 15	2- 3- 5	1.40-1.53-1.65	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.2- 0.5- 3.0	.05	.05			
	21-27	-95-	0- 2- 15	3- 3- 7	1.35-1.48-1.60	4.23-9.17-14.11	0.10-0.13-0.15	0.0- 1.5- 2.9	0.2- 0.8- 3.0	.15	.15			
	27-43	-85-	0-16- 30	3- 7- 10	1.50-1.60-1.70	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.2- 0.5- 3.0	.17	.17			
	43-70	-61-	0-19- 28	10-21- 30	1.55-1.65-1.75	1.41-7.76-14.11	0.12-0.15-0.17	0.0- 1.5- 2.9	0.2- 0.8- 3.0	.24	.24			
	70-80	-85-	0-16- 30	3- 7- 10	1.40-1.53-1.65	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.2- 0.5- 3.0	.15	.15			
Leon, non-hydric	0-7	-95-	0- 1- 15	1- 3- 5	1.30-1.38-1.45	42.00-92.00-141.00	0.05-0.10-0.15	0.0- 1.5- 2.9	0.5- 2.3- 4.0	.02	.02	5	1	250
	7-20	-95-	0- 1- 15	0- 2- 3	1.40-1.50-1.60	42.00-92.00-141.00	0.02-0.04-0.05	0.0- 1.5- 2.9	0.0- 0.3- 0.5	.02	.02			
	20-24	-95-	0- 1- 15	2- 5- 8	1.25-1.45-1.65	4.00-23.00-42.00	0.15-0.23-0.30	0.0- 1.5- 2.9	2.0- 3.0- 4.0	.10	.10			
	24-37	-95-	0- 1- 15	1- 3- 4	1.50-1.58-1.65	14.00-78.00-141.00	0.05-0.08-0.10	0.0- 1.5- 2.9	0.0- 0.3- 0.5	.02	.02			
	37-80	-95-	0- 1- 15	2- 5- 8	1.25-1.45-1.65	4.00-23.00-42.00	0.15-0.23-0.30	0.0- 1.5- 2.9	2.0- 3.0- 4.0	.10	.10			
Leon, hydric	0-7	-95-	0- 1- 15	1- 3- 5	1.30-1.38-1.45	42.00-92.00-141.00	0.05-0.10-0.15	0.0- 1.5- 2.9	0.5- 2.3- 4.0	.02	.02	5	1	250
	7-20	-95-	0- 1- 15	0- 2- 3	1.40-1.50-1.60	42.00-92.00-141.00	0.02-0.04-0.05	0.0- 1.5- 2.9	0.0- 0.3- 0.5	.02	.02			
	20-24	-95-	0- 1- 15	2- 5- 8	1.25-1.45-1.65	4.00-23.00-42.00	0.15-0.23-0.30	0.0- 1.5- 2.9	2.0- 3.0- 4.0	.10	.10			

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Physical Soil Properties–Nassau County, Florida														
Map symbol and soil name	**Depth**	**Sand**	**Silt**	**Clay**	**Moist bulk density**	**Saturated hydraulic conductivity**	**Available water capacity**	**Linear extensibility**	**Organic matter**	**Erosion factors**			**Wind erodibility group**	**Wind erodibility index**
										Kw	**Kf**	**T**		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
	24-37	-95-	0- 1- 15	1- 3- 4	1.50-1.58-1.65	14.00-78.00-141.00	0.05-0.08-0.10	0.0- 1.5- 2.9	0.0- 0.3-0.5	.02	.02			
	37-80	-95-	0- 1- 15	2- 5- 8	1.25-1.45-1.65	4.00-23.00-42.00	0.15-0.23-0.30	0.0- 1.5- 2.9	2.0- 3.0-4.0	.10	.10			
Sapelo, hydric	0-6	-95-	0- 2- 15	2- 3- 5	1.40-1.53-1.65	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.2- 1.0-3.0	.02	.02	5	1	250
	6-21	-95-	0- 2- 15	2- 3- 5	1.40-1.53-1.65	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.2- 0.5-3.0	.05	.05			
	21-27	-95-	0- 2- 15	3- 3- 7	1.35-1.48-1.60	4.23-9.17-14.11	0.10-0.13-0.15	0.0- 1.5- 2.9	0.2- 0.8-3.0	.15	.15			
	27-43	-85-	0-16- 30	3- 7- 10	1.50-1.60-1.70	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.2- 0.5-3.0	.17	.17			
	43-70	-61-	0-19- 28	10-21- 30	1.55-1.65-1.75	1.41-7.76-14.11	0.12-0.15-0.17	0.0- 1.5- 2.9	0.2- 0.8-3.0	.24	.24			
	70-80	-85-	0-16- 30	3- 7- 10	1.40-1.53-1.65	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.2- 0.5-3.0	.15	.15			
23—Ocilla fine sand, 0 to 5 percent slopes														
Ocilla	0-7	-95-	0- 4- 15	3- 4- 10	1.45-1.55-1.65	14.00-78.00-141.00	0.05-0.06-0.07	0.0- 1.5- 2.9	1.0- 1.5-2.0	.05	.05	5	1	250
	7-34	-95-	0- 2- 15	3- 3- 10	1.45-1.55-1.65	14.00-78.00-141.00	0.05-0.06-0.07	0.0- 1.5- 2.9	0.1- 0.3-0.5	.02	.02			
	34-80	-73-	0- 5- 28	15-23- 35	1.55-1.63-1.70	4.00-9.00-14.00	0.09-0.11-0.12	0.0- 1.5- 2.9	0.0- 0.2-0.3	.17	.17			

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Physical Soil Properties–Nassau County, Florida														
Map symbol and soil name	**Depth**	**Sand**	**Silt**	**Clay**	**Moist bulk density**	**Saturated hydraulic conductivity**	**Available water capacity**	**Linear extensibility**	**Organic matter**	**Erosion factors**			**Wind erodibility group**	**Wind erodibility index**
										Kw	**Kf**	**T**		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
33—Goldhead-Meadowbrook fine sands, depressional														
Goldhead, depressional	0-8	-95-	0- 9- 15	1- 3- 5	1.30-1.40-1.50	42.00-92.00-141.00	0.05-0.10-0.15	0.0- 1.5- 2.9	2.0- 2.4-4.0	.10	.10	5	1	250
	8-19	-95-	0- 8- 15	1- 1- 5	1.30-1.40-1.50	42.00-92.00-141.00	0.05-0.10-0.15	0.0- 1.5- 2.9	0.1- 0.3-0.5	.10	.10			
	19-80	-64-	0- 8- 28	13-27- 34	1.45-1.55-1.65	1.40-8.00-14.00	0.10-0.15-0.20	0.0- 1.5- 2.9	0.0- 0.2-0.3	.17	.17			
Meadowbrook, depressional	0-6	-95-	0- 1- 15	0- 2- 3	1.15-1.28-1.40	42.00-92.00-141.00	0.05-0.08-0.10	0.0- 1.5- 2.9	2.0- 3.0-4.0	.02	.02	5	1	250
	6-55	-95-	0- 1- 15	1- 4- 6	1.35-1.50-1.65	42.00-92.00-141.00	0.03-0.06-0.08	0.0- 1.5- 2.9	0.0- 0.3-0.5	.02	.02			
	55-80	-60-	0-18- 28	11-22- 32	1.50-1.58-1.65	1.40-8.00-14.00	0.10-0.13-0.15	0.0- 1.5- 2.9	0.0- 0.3-0.5	.24	.24			
51—Albany fine sand, 0 to 5 percent slopes														
Albany	0-2	-95-	0- 6- 15	1- 2- 10	1.40-1.48-1.55	42.34-91.74-141.14	0.02-0.03-0.04	0.0- 1.5- 2.9	1.0- 1.5-2.0	.05	.05	5	1	250
	2-50	-95-	0- 6- 15	1- 2- 10	1.40-1.48-1.55	42.34-91.74-141.14	0.02-0.03-0.04	0.0- 1.5- 2.9	0.0- 0.3-2.0	.02	.02			
	50-80	-67-	0-14- 50	13-20- 35	1.55-1.60-1.65	1.40-8.00-14.00	0.10-0.13-0.16	0.0- 1.5- 2.9	0.0- 0.3-0.5	.24	.24			

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Physical Soil Properties–Nassau County, Florida														
Map symbol and soil name	**Depth**	**Sand**	**Silt**	**Clay**	**Moist bulk density**	**Saturated hydraulic conductivity**	**Available water capacity**	**Linear extensibility**	**Organic matter**	**Erosion factors**			**Wind erodibility group**	**Wind erodibility index**
										Kw	**Kf**	**T**		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
53—Meadowbrook fine sand														
Meadowbrook, non-hydric	0-8	-95-	0- 7- 15	0- 3- 3	1.35-1.50-1.65	42.00-92.00-141.00	0.05-0.08-0.10	0.0- 1.5- 2.9	1.0- 2.5- 3.0	.05	.05	5	1	250
	8-44	-95-	0- 8- 15	1- 2- 6	1.35-1.50-1.65	42.00-92.00-141.00	0.03-0.06-0.08	0.0- 1.5- 2.9	0.3- 0.5- 0.8	.05	.05			
	44-80	-70-	0- 9- 28	11-21- 22	1.50-1.65-1.80	1.40-8.00-14.00	0.10-0.13-0.15	0.0- 1.5- 2.9	0.1- 0.2- 0.3	.20	.20			
Meadowbrook, hydric	0-8	-95-	0- 7- 15	0- 3- 3	1.35-1.50-1.65	42.00-92.00-141.00	0.05-0.08-0.10	0.0- 1.5- 2.9	1.0- 2.5- 3.0	.05	.05	5	1	250
	8-44	-95-	0- 8- 15	1- 2- 6	1.35-1.50-1.65	42.00-92.00-141.00	0.03-0.06-0.08	0.0- 1.5- 2.9	0.3- 0.5- 0.8	.05	.05			
	44-80	-70-	0- 9- 28	11-21- 22	1.50-1.65-1.80	1.40-8.00-14.00	0.10-0.13-0.15	0.0- 1.5- 2.9	0.1- 0.2- 0.3	.20	.20			

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Physical Soil Properties–Nassau County, Florida														
Map symbol and soil name	**Depth**	**Sand**	**Silt**	**Clay**	**Moist bulk density**	**Saturated hydraulic conductivity**	**Available water capacity**	**Linear extensibility**	**Organic matter**	**Erosion factors**			**Wind erodibility group**	**Wind erodibility index**
										Kw	**Kf**	**T**		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
54—Sapelo fine sand														
Sapelo, non-hydric	0-6	-95-	0- 2- 15	2- 3- 5	1.40-1.53-1.65	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.2- 1.0-3.0	.02	.02	5	1	250
	6-21	-95-	0- 2- 15	2- 3- 5	1.40-1.53-1.65	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.2- 1.0-1.5	.05	.05			
	21-27	-95-	0- 2- 15	3- 3- 7	1.35-1.48-1.60	4.23-9.17-14.11	0.10-0.13-0.15	0.0- 1.5- 2.9	0.2- 0.8-3.0	.15	.15			
	27-43	-85-	0-16- 30	3- 7- 10	1.50-1.60-1.70	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.2- 0.5-1.0	.17	.17			
	43-70	-75-	0- 8- 50	10-17- 30	1.55-1.65-1.75	1.41-7.76-14.11	0.12-0.15-0.17	0.0- 1.5- 2.9	0.2- 1.0-1.5	.20	.20			
	70-80	-85-	0-16- 30	3- 7- 10	1.40-1.53-1.65	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.0- 0.3-0.5	.15	.15			
Sapelo, hydric	0-6	-95-	0- 2- 15	2- 3- 5	1.40-1.53-1.65	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.2- 1.0-3.0	.02	.02	5	1	250
	6-21	-95-	0- 2- 15	2- 3- 5	1.40-1.53-1.65	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.2- 0.5-3.0	.05	.05			
	21-27	-95-	0- 2- 15	3- 3- 7	1.35-1.48-1.60	4.23-9.17-14.11	0.10-0.13-0.15	0.0- 1.5- 2.9	0.2- 0.8-3.0	.15	.15			
	27-43	-85-	0-16- 30	3- 7- 10	1.50-1.60-1.70	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.2- 0.5-3.0	.17	.17			
	43-70	-61-	0-19- 28	10-21- 30	1.55-1.65-1.75	1.41-7.76-14.11	0.12-0.15-0.17	0.0- 1.5- 2.9	0.2- 0.8-3.0	.24	.24			
	70-80	-85-	0-16- 30	3- 7- 10	1.40-1.53-1.65	42.34-91.74-141.14	0.03-0.05-0.07	0.0- 1.5- 2.9	0.2- 0.5-3.0	.15	.15			

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Physical Soil Properties–Nassau County, Florida														
Map symbol and soil name	**Depth**	**Sand**	**Silt**	**Clay**	**Moist bulk density**	**Saturated hydraulic conductivity**	**Available water capacity**	**Linear extensibility**	**Organic matter**	**Erosion factors**			**Wind erodibility group**	**Wind erodibility index**
										Kw	**Kf**	**T**		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
55—Meadowbrook-Goldhead-Meggett complex, 2 to 5 percent slopes														
Meadowbrook	0-8	-95-	0- 3- 15	0- 2- 3	1.35-1.50-1.65	42.00-92.00-141.00	0.05-0.08-0.10	0.0- 1.5- 2.9	1.0- 2.0- 3.0	.02	.02	5	1	250
	8-65	-95-	0- 3- 15	1- 2- 6	1.35-1.50-1.65	42.00-92.00-141.00	0.03-0.06-0.08	0.0- 1.5- 2.9	0.1- 0.3- 0.5	.02	.02			
	65-80	-75-	0- 9- 50	11-17- 22	1.50-1.65-1.80	1.40-8.00-14.00	0.10-0.13-0.15	0.0- 1.5- 2.9	0.0- 0.1- 0.3	.24	.24			
Goldhead	0-2	-95-	0- 6- 15	1- 3- 5	1.30-1.40-1.50	42.00-92.00-141.00	0.05-0.10-0.15	0.0- 1.5- 2.9	1.0- 2.5- 4.0	.05	.05	5	1	250
	2-32	-95-	0- 8- 15	1- 2- 5	1.35-1.43-1.50	42.00-92.00-141.00	0.02-0.04-0.05	0.0- 1.5- 2.9	0.1- 0.3- 0.5	.05	.05			
	32-80	-68-	0- 9- 28	13-24- 34	1.45-1.55-1.65	4.00-9.00-14.00	0.10-0.15-0.20	0.0- 1.5- 2.9	0.0- 0.1- 0.3	.20	.20			
Meggett	0-8	-71-	0-17- 50	5-13- 20	1.20-1.30-1.40	14.00-28.00-42.00	0.10-0.13-0.15	0.0- 1.5- 2.9	2.0- 5.0- 8.0	.20	.20	5	3	86
	8-40	-48-	0- 7- 20	30-45- 60	1.45-1.53-1.60	0.42-1.00-1.40	0.13-0.16-0.18	6.0- 7.5- 8.9	0.3- 0.5- 1.0	.17	.17			
	40-80	-52-	0-14- 28	25-35- 50	1.40-1.50-1.60	0.01-2.00-4.00	0.12-0.15-0.18	3.0- 4.5- 5.9	0.1- 0.3- 0.5	.20	.20			

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Soil Features–Duval County, Florida									
Map symbol and soil name	**Restrictive Layer**				**Subsidence**		**Potential for frost action**	**Risk of corrosion**	
	Kind	**Depth to top**	**Thickness**	**Hardness**	**Initial**	**Total**		**Uncoated steel**	**Concrete**
		Low-RV-High	*Range*		*Low-High*	*Low-High*			
		In	*In*		*In*	*In*			
51—Pelham fine sand, 0 to 2 percent slopes									
Pelham		—	—		0	0	None	High	High

Soil Features–Nassau County, Florida									
Map symbol and soil name	**Restrictive Layer**				**Subsidence**		**Potential for frost action**	**Risk of corrosion**	
	Kind	**Depth to top**	**Thickness**	**Hardness**	**Initial**	**Total**		**Uncoated steel**	**Concrete**
		Low-RV-High	*Range*		*Low-High*	*Low-High*			
		In	*In*		*In*	*In*			
9—Leon fine sand, 0 to 2 percent slopes									
Leon, non-hydric		—	—		0	0	None	High	High
11—Chaires fine sand									
Chaires		—	—		—	—	None	High	High
13—Goldhead fine sand									
Goldhead, non-hydric		—	—		—	—	None	High	High
Goldhead, hydric		—	—		—	—		High	High

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Soil Features–Nassau County, Florida									
Map symbol and soil name	**Restrictive Layer**				**Subsidence**		**Potential for frost action**	**Risk of corrosion**	
	Kind	**Depth to top**	**Thickness**	**Hardness**	**Initial**	**Total**		**Uncoated steel**	**Concrete**
		Low-RV-High	*Range*		*Low-High*	*Low-High*			
16—Ellabelle mucky fine sand, frequently flooded									
Ellabelle		—	—		—	—	None	High	Moderate
22—Sapelo-Leon fine sand									
Sapelo, non-hydric		—	—		—	—	None	High	High
Leon, non-hydric		—	—		—	—	None	High	High
Leon, hydric		—	—		—	—	None	High	High
Sapelo, hydric		—	—		—	—	None	High	High
23—Ocilla fine sand, 0 to 5 percent slopes									
Ocilla		—	—		—	—	None	High	High
33—Goldhead-Meadowbrook fine sands, depressional									
Goldhead, depressional		—	—		—	—	None	High	Low
Meadowbrook, depressional		—	—		—	—	None	High	Moderate
51—Albany fine sand, 0 to 5 percent slopes									
Albany		—	—		—	—	None	High	High

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Soil Features–Nassau County, Florida									
Map symbol and soil name	**Restrictive Layer**				**Subsidence**		**Potential for frost action**	**Risk of corrosion**	
	Kind	**Depth to top**	**Thickness**	**Hardness**	**Initial**	**Total**		**Uncoated steel**	**Concrete**
		Low-RV-High	*Range*		*Low-High*	*Low-High*			
53—Meadowbrook fine sand									
Meadowbrook, non-hydric		—	—		—	—	None	High	Moderate
Meadowbrook, hydric		—	—		—	—	None	High	Moderate
54—Sapelo fine sand									
Sapelo, non-hydric		—	—		—	—	None	High	High
Sapelo, hydric		—	—		—	—	None	High	High
55—Meadowbrook-Goldhead-Meggett complex, 2 to 5 percent slopes									
Meadowbrook		—	—		—	—	None	High	Moderate
Goldhead		—	—		—	—	None	High	Low
Meggett		—	—		—	—	None	High	Moderate

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Map unit symbol and soil name	Hydrologic group	Surface runoff	Most likely months	Water table			Ponding			Flooding	
				Upper limit	Lower limit	Kind	Surface depth	Duration	Frequency	Duration	Frequency
				Ft	*Ft*		*Ft*				
51—Pelham fine sand, 0 to 2 percent slopes											
Pelham	B/D	High	Jan-Oct	0.5-1.0	6.0	Apparent	—	—	None	—	None
			Nov-Dec	—	—	—	—	—	None	—	None

Map unit symbol and soil name	Hydrologic group	Surface runoff	Most likely months	Water table			Ponding			Flooding	
				Upper limit	Lower limit	Kind	Surface depth	Duration	Frequency	Duration	Frequency
				Ft	*Ft*		*Ft*				
9—Leon fine sand, 0 to 2 percent slopes											
Leon, non-hydric	A/D		Jan-May	0.5-1.5	6.0	Apparent	—	—	None	—	None
			Jun	2.0-4.0	6.0	Apparent	—	—	None	—	None
			Jul-Sep	—	—	—	—	—	None	—	None
			Oct	4.0-5.0	6.0	Apparent	—	—	None	—	None
			Nov-Dec	0.5-1.5	6.0	Apparent	—	—	None	—	None
11—Chaires fine sand											
Chaires	C/D	High	Jan-Apr	—	—	—	—	—	None	—	None
			May-Aug	0.5-1.5	6.0	Apparent	—	—	None	—	None
			Sep-Dec	—	—	—	—	—	None	—	None
13—Goldhead fine sand											
Goldhead, non-hydric	B/D	Very low	Jan-Feb	—	—	—	—	—	None	—	None
			Mar-Aug	0.5-1.5	6.0	Apparent	—	—	None	—	None
			Sep-Dec	—	—	—	—	—	None	—	None
Goldhead, hydric	B/D	Low	Jan-Feb	—	—	—	—	—	None	—	None
			Mar-Aug	0.0-0.5	6.0	Apparent	—	—	None	—	None
			Sep-Dec	—	—	—	—	—	None	—	None

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Map unit symbol and soil name	Hydrologic group	Surface runoff	Most likely months	Water table			Ponding			Flooding	
				Upper limit	Lower limit	Kind	Surface depth	Duration	Frequency	Duration	Frequency
				Ft	*Ft*		*Ft*				
16—Ellabelle mucky fine sand, frequently flooded											
Ellabelle	B/D	Very high	Jan-Sep	0.0-0.5	6.0	Apparent	0.0-1.0	Long (7 to 30 days)	Frequent	Long (7 to 30 days)	Frequent
			Oct-Dec	—	—	—	—	—	None	—	
22—Sapelo-Leon fine sand											
Sapelo, non-hydric	B/D	High	Jan-Apr	—	—	—	—	—	None	—	None
			May-Aug	0.5-1.5	6.0	Apparent	—	—	None	—	None
			Sep-Dec	—	—	—	—	—	None	—	None
Leon, non-hydric	A/D	High	Jan-Apr	—	—	—	—	—	None	—	None
			May-Aug	0.5-1.5	6.0	Apparent	—	—	None	—	None
			Sep-Dec	—	—	—	—	—	None	—	None
Leon, hydric	A/D		Jan-Apr	—	—	—	—	—	None	—	None
			May-Aug	0.0-0.5	6.0	Apparent	—	—	None	—	None
			Sep-Dec	—	—	—	—	—	None	—	None
Sapelo, hydric	B/D		Jan-Apr	—	—	—	—	—	None	—	None
			May-Aug	0.0-0.5	6.0	Apparent	—	—	None	—	None
			Sep-Dec	—	—	—	—	—	None	—	None
23—Ocilla fine sand, 0 to 5 percent slopes											
Ocilla	B/D	Very low	Jan-Feb	—	—	—	—	—	None	—	None
			Mar-Aug	1.0-2.5	6.0	Apparent	—	—	None	—	None
			Sep-Dec	—	—	—	—	—	None	—	None

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Map unit symbol and soil name	Hydrologic group	Surface runoff	Most likely months	Water table			Ponding			Flooding	
				Upper limit	Lower limit	Kind	Surface depth	Duration	Frequency	Duration	Frequency
				Ft	*Ft*		*Ft*				
33—Goldhead-Meadowbrook fine sands, depressional											
Goldhead, depressional	B/D	Negligible	Jan-Sep	0.0	6.0	Apparent	0.0-2.0	Very long (more than 30 days)	Frequent	—	None
			Oct-Dec	—	—	—	—	—	None	—	None
Meadowbrook, depressional	A/D	Negligible	Jan-Sep	0.0	6.0	Apparent	0.0-2.0	Very long (more than 30 days)	Frequent	—	None
			Oct-Dec	—	—	—	—	—	None	—	None
51—Albany fine sand, 0 to 5 percent slopes											
Albany	A/D	Very low	Jan-Apr	—	—	—	—	—	None	—	None
			May-Aug	1.0-2.5	6.0	Apparent	—	—	None	—	None
			Sep-Dec	—	—	—	—	—	None	—	None
53—Meadowbrook fine sand											
Meadowbrook, non-hydric	A/D	Very low	Jan-Feb	—	—	—	—	—	None	—	None
			Mar-Aug	0.5-1.5	6.0	Apparent	—	—	None	—	None
			Sep-Dec	—	—	—	—	—	None	—	None
Meadowbrook, hydric	A/D	Low	Jan-Feb	—	—	—	—	—	None	—	None
			Mar-Aug	0.0-0.5	6.0	Apparent	—	—	None	—	None
			Oct-Dec	—	—	—	—	—	None	—	None

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Map unit symbol and soil name	Hydrologic group	Surface runoff	Most likely months	Water table			Ponding			Flooding	
				Upper limit	Lower limit	Kind	Surface depth	Duration	Frequency	Duration	Frequency
				Ft	*Ft*		*Ft*				
54—Sapelo fine sand											
Sapelo, non-hydric	B/D	High	Jan-Apr	—	—	—	—	—	None	—	None
			May-Aug	0.5-1.5	6.0	Apparent	—	—	None	—	None
			Sep-Dec	—	—	—	—	—	None	—	None
Sapelo, hydric	B/D		Jan-Apr	—	—	—	—	—	None	—	None
			May-Aug	0.0-0.5	6.0	Apparent	—	—	None	—	None
			Sep-Dec	—	—	—	—	—	None	—	None
55—Meadowbrook-Goldhead-Meggett complex, 2 to 5 percent slopes											
Meadowbrook	A/D	Negligible	Jan-Feb	—	—	—	—	—	None	—	None
			Mar-Aug	0.0-0.5	6.0	Apparent	—	—	None	—	None
			Sep-Dec	—	—	—	—	—	None	—	None
Goldhead	B/D	Very low	Jan-Feb	—	—	—	—	—	None	—	None
			Mar-Aug	0.0-0.5	6.0	Apparent	—	—	None	—	None
			Sep-Dec	—	—	—	—	—	None	—	None
Meggett	C/D	Very high	Jan-Feb	—	—	—	—	—	None	—	None
			Mar-Aug	0.0-0.5	6.0	Apparent	—	—	None	—	None
			Sep-Dec	—	—	—	—	—	None	—	None

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APPENDIX F

LBR TEST DATA

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STRATUM 1

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

LIMEROCK BEARING RATIO

MOISTURE-DENSITY-LBR RELATIONSHIP (FM 1-T180 & FM5-515)

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PROJECT: 23-54-23-01 **CLIENT:** EGS, Inc.

SAMPLE NO.: PK-5 **ANEVAY FILE NO:** **DATE:** 8/19/2023

MATERIAL DESCRIPTION: Dark Gray & Gray Silty Fine SAND with trace of Organics

COMPACTION FM1-T180

Mold No.	8	6	4	7	12	
Moisture Added (%)	7.75	9	10.25	11.5	12.75	
Wet Mass & Mold (lbs.)	16.3390	16.5666	16.7102	16.9550	16.9014	
Mold Mass (lbs.)	7.6728	7.7284	7.7928	7.8090	7.6830	
Wet Mass (lbs.)	8.6662	8.8382	8.9174	9.1460	9.2184	
Mold Calibration (cu.ft.)	0.0750	0.0750	0.0750	0.0750	0.0750	
Moist Density (lbs./cu.ft.)	115.5	117.8	118.9	121.9	122.9	
Ther. Dry Density (lbs./cu.ft.)	107.2	108.1	107.8	109.4	109.0	
Dry Density (lbs./cu.ft.)	106.6	106.7	106.6	108.4	107.6	

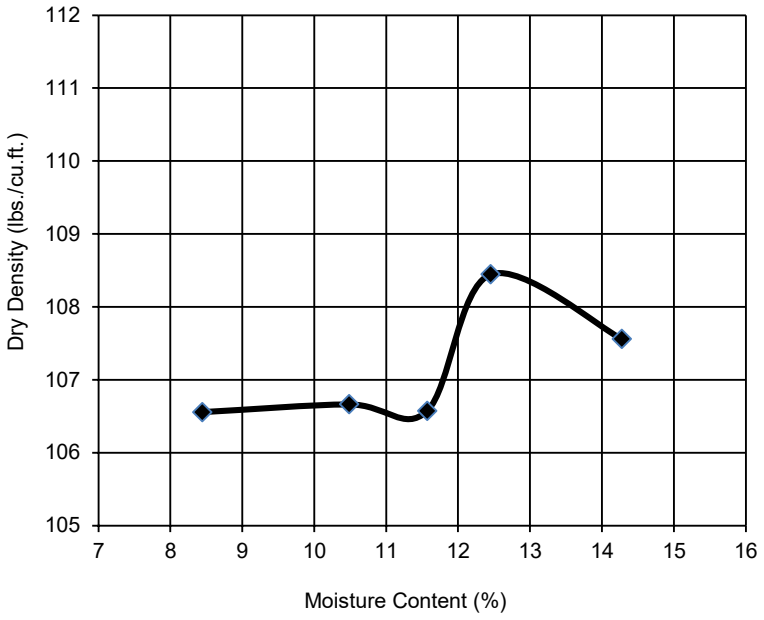
Sieve Size:	Wt. Ret. (lbs.)	% Ret.
2-in.	--	--
1.5-in.	--	--
1-in.	--	--
3/4-in.	0.65	0.7%
#4	3.65	3.9%
Pan	90.40	95.5%
Total	94.70	

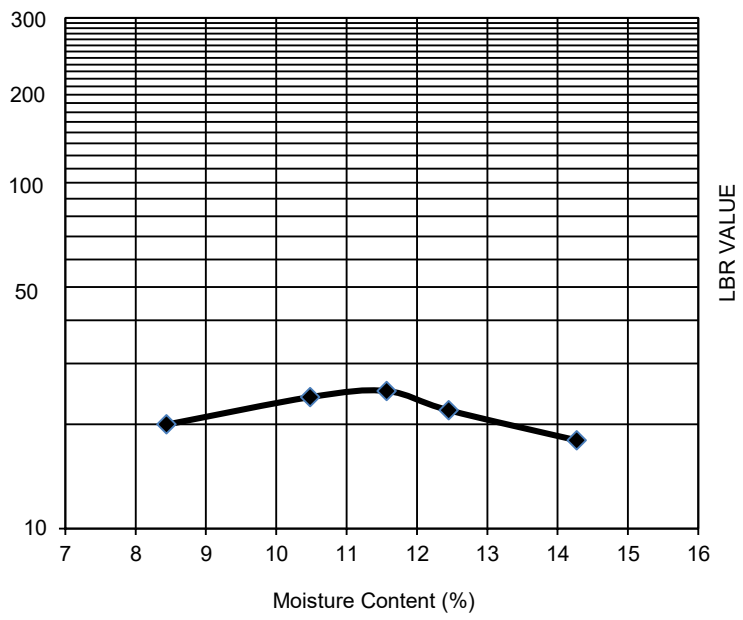
MOISTURE DETERMINATION:

Can Number	1A	5A	6A	10A	7A	
Can Mass (g.)	50.3	49.9	50.2	50.2	50.3	
Wet Soil & Can (g.)	435.8	424.1	382	439.5	393.8	
Dry Soil & Can (g.)	405.8	388.6	347.6	396.4	350.9	
Water Mass (g.)	30	35.5	34.4	43.1	42.9	
Dry Soil Mass (g.)	355.5	338.7	297.4	346.2	300.6	
Moisture Content (%)	8.4	10.5	11.6	12.4	14.3	

SUMMARY OF TEST RESULTS:

LBR Value	20	24	25	22	18	
Dry Density (lbs./cu.ft.)	106.6	106.7	106.6	108.4	107.6	
Moisture Content (%)	8.4	10.5	11.6	12.4	14.3	





MAXIMUM DRY DENSITY (lbs/cu.ft.): 108.4
OPTIMUM MOISTURE CONTENT (%): 12.4
MAXIMUM TESTED LBR: 25

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LIMEROCK BEARING RATIO

MOISTURE-DENSITY-LBR RELATIONSHIP (FM 1-T180 & FM5-515)

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PROJECT: 23-54-23-01 **CLIENT:** EGS, Inc.

SAMPLE NO.: PK-27 **ANEVAY FILE NO:** **DATE:** 8/19/2023

MATERIAL DESCRIPTION: Dark Gray Silty Clayey Fine SAND with trace of Organics and Gravel

COMPACTION FM1-T180

Mold No.	11	2	3	5		
Moisture Added (%)	7.75	9	10.25	11.5		
Wet Mass & Mold (lbs.)	16.0096	16.1820	16.4840	16.5268		
Mold Mass (lbs.)	7.8236	7.8140	7.7944	7.8022		
Wet Mass (lbs.)	8.1860	8.3680	8.6896	8.7246		
Mold Calibration (cu.ft.)	0.0750	0.0750	0.0750	0.0750		
Moist Density (lbs./cu.ft.)	109.1	111.6	115.9	116.3		
Ther. Dry Density (lbs./cu.ft.)	101.3	102.4	105.1	104.3		
Dry Density (lbs./cu.ft.)	99.4	100.4	103.5	102.4		

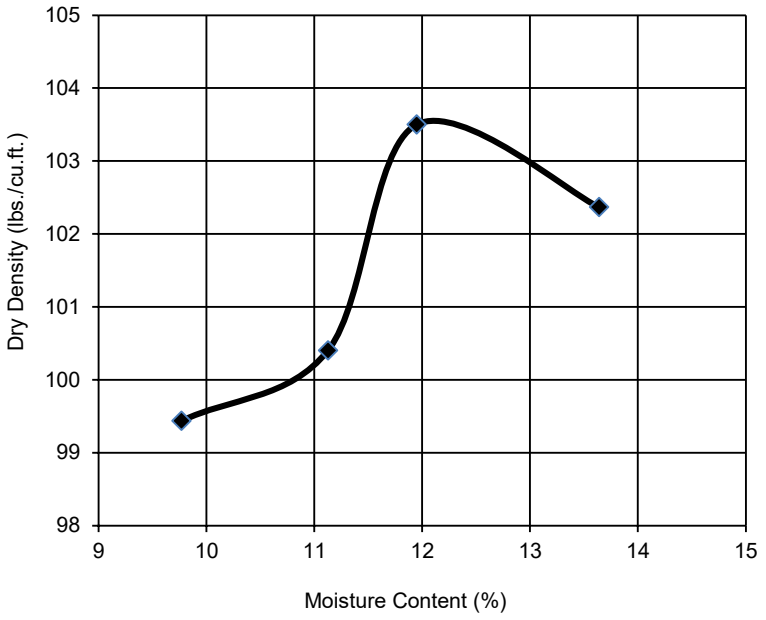
Sieve Size:	Wt. Ret. (lbs.)	% Ret.
2-in.	--	--
1.5-in.	--	--
1-in.	--	--
3/4-in.	3.6	4.4%
#4	6.05	7.5%
Pan	71.45	88.1%
Total	81.10	

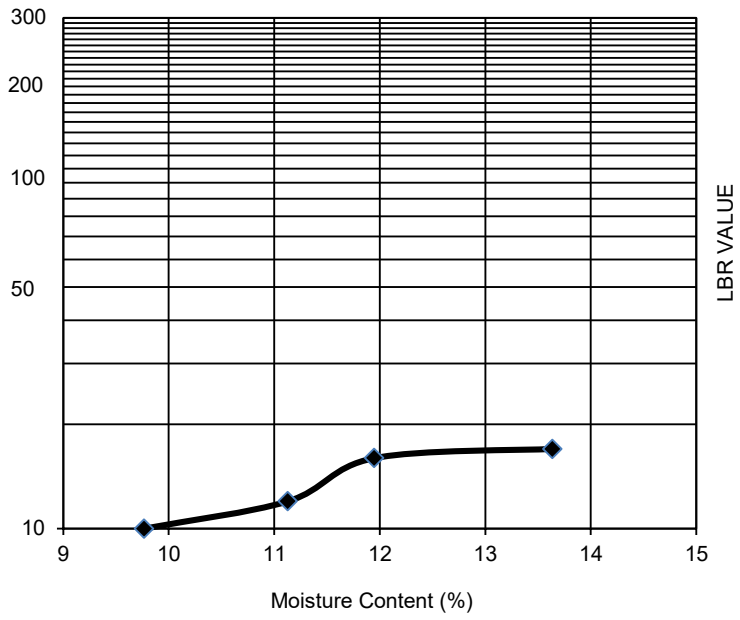
MOISTURE DETERMINATION:

Can Number	2A	8A	12A	3A		
Can Mass (g.)	50.1	50.7	50.3	50.3		
Wet Soil & Can (g.)	270.4	220.5	232.1	277.8		
Dry Soil & Can (g.)	250.8	203.5	212.7	250.5		
Water Mass (g.)	19.6	17	19.4	27.3		
Dry Soil Mass (g.)	200.7	152.8	162.4	200.2		
Moisture Content (%)	9.8	11.1	11.9	13.6		

SUMMARY OF TEST RESULTS:

LBR Value	10	12	16	17		
Dry Density (lbs./cu.ft.)	99.4	100.4	103.5	102.4		
Moisture Content (%)	9.8	11.1	11.9	13.6		





MAXIMUM DRY DENSITY (lbs/cu.ft.): 103.5
OPTIMUM MOISTURE CONTENT (%): 11.9
MAXIMUM TESTED LBR: 17

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MOISTURE-DENSITY-LBR RELATIONSHIP (FM 1-T180 & FM5-515)

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PROJECT: 23-54-23-01 **CLIENT:** EGS, Inc.

SAMPLE NO.: PK-38 **ANEVAY FILE NO:** **DATE:** 8/17/2023

MATERIAL DESCRIPTION: Gray Silty Clayey Fine SAND with trace of Organics

COMPACTION FM1-T180

Mold No.	5	2	3	1	10	9
Moisture Added (%)	10.25	11.5	12.75	14	15.25	16.5
Wet Mass & Mold (lbs.)	15.9798	16.1120	16.1770	16.3560	16.5072	16.4244
Mold Mass (lbs.)	7.8046	7.8172	7.8048	7.8032	7.8096	7.7758
Wet Mass (lbs.)	8.1752	8.2948	8.3722	8.5528	8.6976	8.6486
Mold Calibration (cu.ft.)	0.0750	0.0750	0.0750	0.0750	0.0750	0.0750
Moist Density (lbs./cu.ft.)	109.0	110.6	111.6	114.0	116.0	115.3
Ther. Dry Density (lbs./cu.ft.)	98.9	99.2	99.0	100.0	100.6	99.0
Dry Density (lbs./cu.ft.)	98.6	99.2	99.1	99.8	100.4	98.6

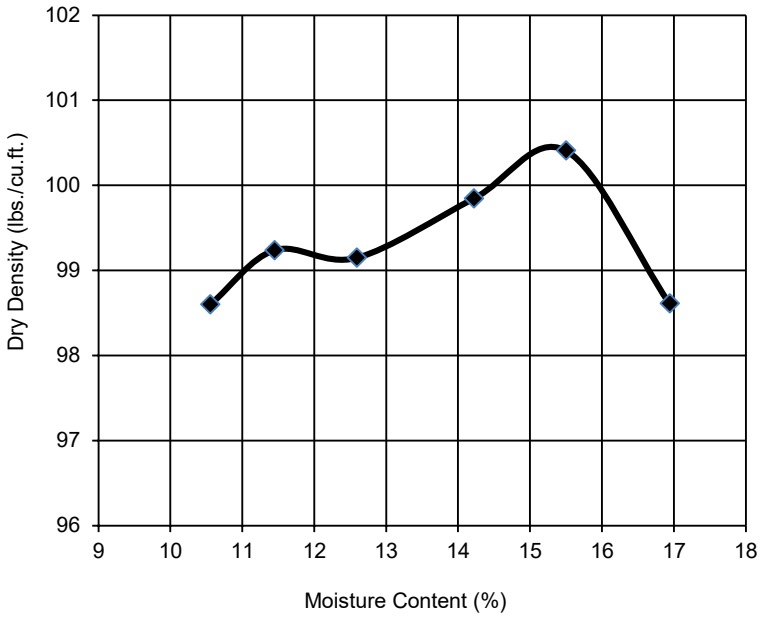
Sieve Size:	Wt. Ret. (lbs.)	% Ret.
2-in.	--	--
1.5-in.	--	--
1-in.	--	--
3/4-in.	0.55	0.6%
#4	2.45	2.5%
Pan	94.10	96.9%
Total	97.10	

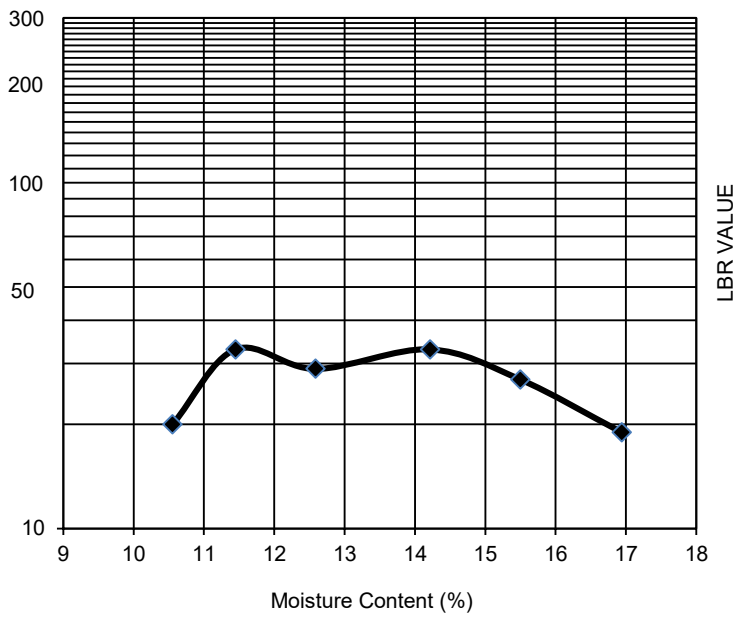
MOISTURE DETERMINATION:

Can Number	4A	8A	3A	7A	2A	8A
Can Mass (g.)	50.4	51	50.3	50.2	50.2	50.6
Wet Soil & Can (g.)	451.7	434.6	466.2	235	255.9	237
Dry Soil & Can (g.)	413.4	395.2	419.7	212	228.3	210
Water Mass (g.)	38.3	39.4	46.5	23	27.6	27
Dry Soil Mass (g.)	363	344.2	369.4	161.8	178.1	159.4
Moisture Content (%)	10.6	11.4	12.6	14.2	15.5	16.9

SUMMARY OF TEST RESULTS:

LBR Value	20	33	29	33	27	19
Dry Density (lbs./cu.ft.)	98.6	99.2	99.1	99.8	100.4	98.6
Moisture Content (%)	10.6	11.4	12.6	14.2	15.5	16.9





MAXIMUM DRY DENSITY (lbs/cu.ft.): 100.4
OPTIMUM MOISTURE CONTENT (%): 15.5
MAXIMUM TESTED LBR: 33

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LIMEROCK BEARING RATIO

MOISTURE-DENSITY-LBR RELATIONSHIP (FM 1-T180 & FM5-515)

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PROJECT: 23-54-23-01 **CLIENT:** EGS, Inc.

SAMPLE NO.: PK-49 **ANEVAY FILE NO:** **DATE:** 8/14/2023

MATERIAL DESCRIPTION: Gray Silty Clayey Fine SAND with trace of Organics

COMPACTION FM1-T180

Mold No.	11	12	5	2	6	1
Moisture Added (%)	9	10.25	11.5	12.75	14	15.25
Wet Mass & Mold (lbs.)	15.9794	16.1422	16.2778	16.3320	16.4746	16.5656
Mold Mass (lbs.)	7.8050	7.8102	7.8016	7.8100	7.7320	7.8028
Wet Mass (lbs.)	8.1744	8.3320	8.4762	8.5220	8.7426	8.7628
Mold Calibration (cu.ft.)	0.0750	0.0750	0.0750	0.0750	0.0750	0.0750
Moist Density (lbs./cu.ft.)	109.0	111.1	113.0	113.6	116.6	116.8
Ther. Dry Density (lbs./cu.ft.)	100.0	100.8	101.4	100.8	102.3	101.4
Dry Density (lbs./cu.ft.)	98.5	99.9	100.8	99.7	101.5	100.3

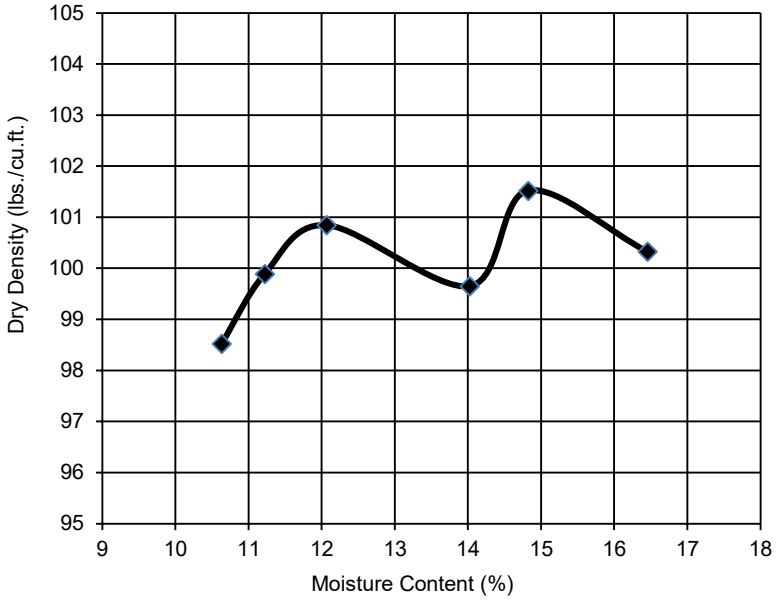
Sieve Size:	Wt. Ret. (lbs.)	% Ret.
2-in.	--	--
1.5-in.	--	--
1-in.	--	--
3/4-in.	0.55	0.6%
#4	2.45	2.5%
Pan	94.10	96.9%
Total	97.10	

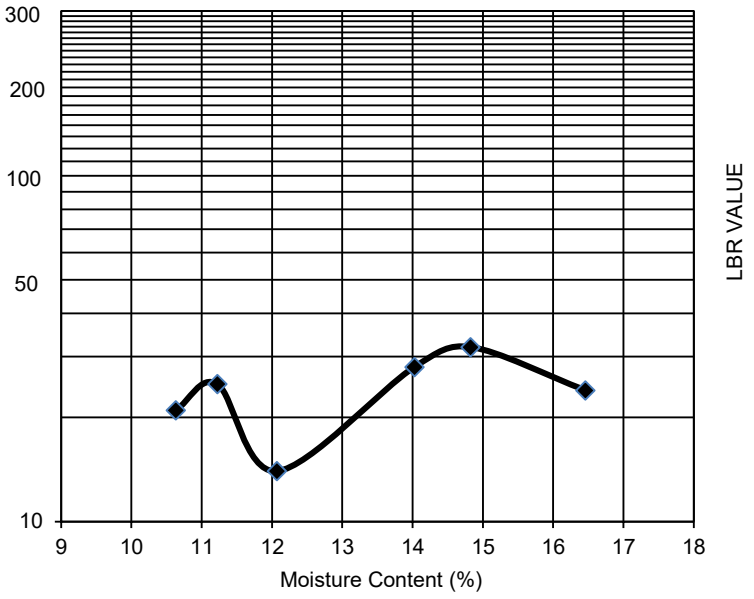
MOISTURE DETERMINATION:

Can Number	5A	1A	8A	2A	11A	9A
Can Mass (g.)	49.9	50.4	50.6	50	49.9	50.7
Wet Soil & Can (g.)	479.8	429.1	392.4	488.3	500	483.1
Dry Soil & Can (g.)	438.5	390.9	355.6	434.4	441.9	422
Water Mass (g.)	41.3	38.2	36.8	53.9	58.1	61.1
Dry Soil Mass (g.)	388.6	340.5	305	384.4	392	371.3
Moisture Content (%)	10.6	11.2	12.1	14.0	14.8	16.5

SUMMARY OF TEST RESULTS:

LBR Value	21	25	14	28	32	24
Dry Density (lbs./cu.ft.)	98.5	99.9	100.8	99.7	101.5	100.3
Moisture Content (%)	10.6	11.2	12.1	14.0	14.8	16.5





MAXIMUM DRY DENSITY (lbs/cu.ft.): 101.5
OPTIMUM MOISTURE CONTENT (%): 14.8
MAXIMUM TESTED LBR: 32

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MOISTURE-DENSITY-LBR RELATIONSHIP (FM 1-T180 & FM5-515)

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PROJECT: 23-54-23-01 **CLIENT:** EGS, Inc.

SAMPLE NO.: PK-62 **ANEVAY FILE NO:** **DATE:** 8/14/2023

MATERIAL DESCRIPTION: Dark Gray & Gray Slightly Silty to Silty Fine SAND with trace of Organics

COMPACTION FM1-T180

Mold No.	10	7	8	4	9	
Moisture Added (%)	7.75	9	10.25	11.5	12.25	
Wet Mass & Mold (lbs.)	16.6144	16.6016	16.9660	16.9510	16.9308	
Mold Mass (lbs.)	7.8106	7.6864	7.6768	7.7930	7.7764	
Wet Mass (lbs.)	8.8038	8.9152	9.2892	9.1580	9.1544	
Mold Calibration (cu.ft.)	0.0750	0.0750	0.0750	0.0750	0.0750	
Moist Density (lbs./cu.ft.)	117.4	118.9	123.9	122.1	122.1	
Ther. Dry Density (lbs./cu.ft.)	108.9	109.1	112.3	109.5	108.7	
Dry Density (lbs./cu.ft.)	108.8	108.8	111.9	109.2	107.8	

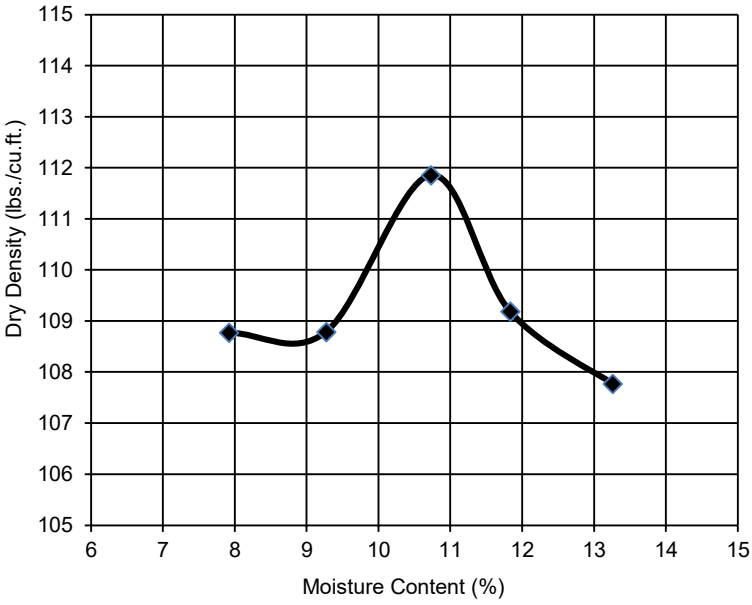
Sieve Size:	Wt. Ret. (lbs.)	% Ret.
2-in.	--	--
1.5-in.	--	--
1-in.	--	--
3/4-in.	0.5	0.4%
#4	4.45	3.7%
Pan	116.35	95.9%
Total	121.30	

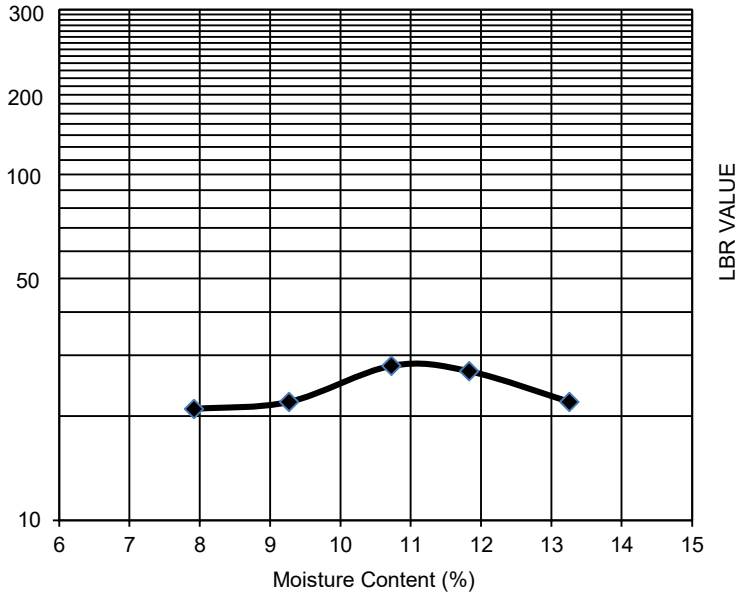
MOISTURE DETERMINATION:

Can Number	3A	7A	6A	10A	4A	
Can Mass (g.)	50.3	50.2	50.2	50.1	50.5	
Wet Soil & Can (g.)	444.2	519.4	505.4	484	558.8	
Dry Soil & Can (g.)	415.3	479.6	461.3	438.1	499.3	
Water Mass (g.)	28.9	39.8	44.1	45.9	59.5	
Dry Soil Mass (g.)	365	429.4	411.1	388	448.8	
Moisture Content (%)	7.9	9.3	10.7	11.8	13.3	

SUMMARY OF TEST RESULTS:

LBR Value	21	22	28	27	22	
Dry Density (lbs./cu.ft.)	108.8	108.8	111.9	109.2	107.8	
Moisture Content (%)	7.9	9.3	10.7	11.8	13.3	





MAXIMUM DRY DENSITY (lbs/cu.ft.): **111.9**
OPTIMUM MOISTURE CONTENT (%): **10.7**
MAXIMUM TESTED LBR: **28**

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STRATUM 2

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LIMEROCK BEARING RATIO

MOISTURE-DENSITY-LBR RELATIONSHIP (FM 1-T180 & FM5-515)

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PROJECT: 23-54-23-01 **CLIENT:** EGS, Inc.

SAMPLE NO.: PK-16 **ANEVAY FILE NO:** **DATE:** 8/17/2023

MATERIAL DESCRIPTION: Gray & Brown Clayey Fine SAND with trace of Organics

COMPACTION FM1-T180

Mold No.	4	6	8	7		
Moisture Added (%)	6.5	7.75	9	10.25		
Wet Mass & Mold (lbs.)	16.7676	16.8940	17.2508	17.2140		
Mold Mass (lbs.)	7.7928	7.7280	7.6768	7.6828		
Wet Mass (lbs.)	8.9748	9.1660	9.5740	9.5312		
Mold Calibration (cu.ft.)	0.0750	0.0750	0.0750	0.0750		
Moist Density (lbs./cu.ft.)	119.7	122.2	127.7	127.1		
Ther. Dry Density (lbs./cu.ft.)	112.4	113.4	117.1	115.3		
Dry Density (lbs./cu.ft.)	112.0	113.1	116.6	114.4		

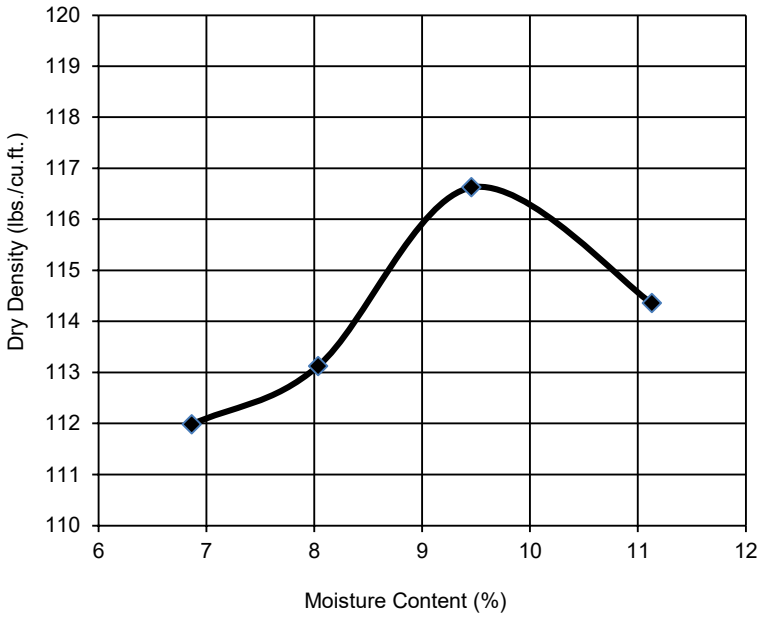
Sieve Size:	Wt. Ret. (lbs.)	% Ret.
2-in.	--	--
1.5-in.	--	--
1-in.	--	--
3/4-in.	3.5	4.3%
#4	16.55	20.1%
Pan	62.30	75.7%
Total	82.35	

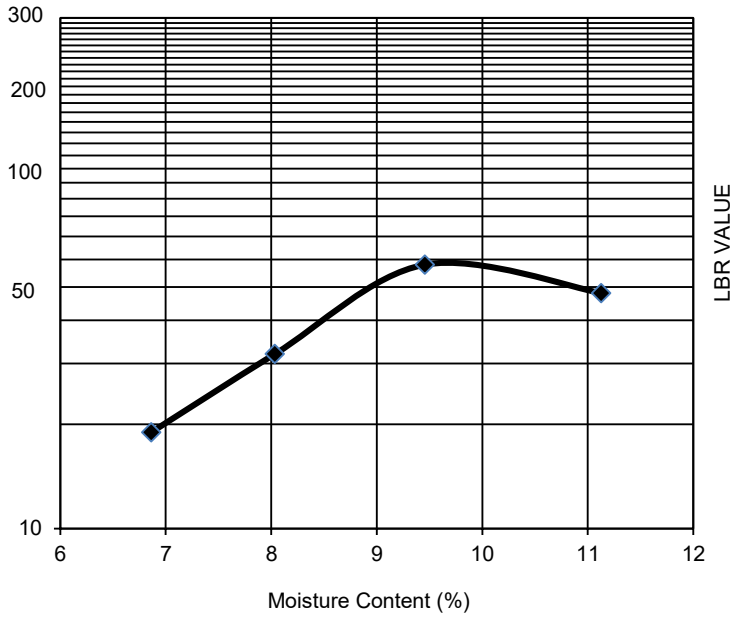
MOISTURE DETERMINATION:

Can Number	1A	2A	9A	5A		
Can Mass (g.)	50.3	50.1	50.8	49.9		
Wet Soil & Can (g.)	413.2	437.4	444.4	434.4		
Dry Soil & Can (g.)	389.9	408.6	410.4	395.9		
Water Mass (g.)	23.3	28.8	34	38.5		
Dry Soil Mass (g.)	339.6	358.5	359.6	346		
Moisture Content (%)	6.9	8.0	9.5	11.1		

SUMMARY OF TEST RESULTS:

LBR Value	19	32	58	48		
Dry Density (lbs./cu.ft.)	112.0	113.1	116.6	114.4		
Moisture Content (%)	6.9	8.0	9.5	11.1		





MAXIMUM DRY DENSITY (lbs/cu.ft.):	**116.6**
OPTIMUM MOISTURE CONTENT (%):	**9.5**
MAXIMUM TESTED LBR:	**58**

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REPORT OF
GEOTECHNICAL INVESTIGATION

CR 121 CULVERT EXTENSIONS
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

Prepared For:

KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST
SUITE 2350
JACKSONVILLE, FLORIDA 32258

Prepared By:

ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
3772 KORI ROAD
JACKSONVILLE, FLORIDA 32257
(904) 329-7180

September 2024
13-54-23-02

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

September 6, 2024

EGS File Number: 13-54-23-02

Kimley-Horn and Associates, Inc.
12740 Gran Bay Parkway West
Suite 2350
Jacksonville, Florida 32256

ATTN: Earl Wills, P.E.
Project Manager

SUBJECT: **Report of Geotechnical Investigation**
CR 121 Culvert Extensions
From Duval County Line to CR 119
Nassau County, Florida

Environmental and Geotechnical Specialists, Inc. (**EGS**) has completed the Geotechnical Investigation, as authorized by Kimley-Horn and Associates, Inc. (**KHA**), associated with proposed extension of 3 existing concrete box culvert structures located along a segment of CR 121 extending from the Duval County line to CR 119 in Nassau County, Florida. Based on preliminary discussions, **EGS** understands the proposed culvert modifications consist of full width replacement and extension of 2 of the existing culvert structures, and 1 extension onto an existing culvert structure to remain.

This Report includes a summary of the subsurface investigation conducted for this project, evaluation of field and laboratory test data, soil conditions encountered, groundwater measurements, geotechnical recommendations, and construction considerations.

SCOPE OF SERVICES

The Scope of Services authorized for this project consisted of the following:

- Performance of 6 Standard Penetration Test (**SPT**) soil borings to an approximate depth of 40 feet below grade to evaluate the subsurface conditions below the proposed culvert modification locations;
- Performance of 6 hand auger soil borings to approximate depths ranging from 2.5 to 4.5 feet below grade to evaluate the scourable soils that exist in the channel bottom;
- Performance of routine laboratory testing of representative soil samples to classify the subsoils;
- Development of geotechnical parameters, design recommendations, and construction considerations; and,
- Preparation of this Report.

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SITE LOCATION AND CONDITIONS

In general, the project site consists of a segment of the existing CR 121 roadway, beginning at the Duval County line and extending approximately 7.5 miles north to the CR 119 intersection. A Project Location Map is provided as **Figure 1**.

Prior to beginning the field investigation, **EGS** personnel performed a preliminary "desktop" review of the available site condition data. To facilitate the preliminary review, a copy of the United States Geological Survey (**USGS**) Topographic Map contours were superimposed on a recent aerial image of the project area which has been included as **Figures 2A** and **2B**. As depicted in the **Figures**, the project site is relatively flat with elevations ranging from approximately EL 60 feet to EL 75 feet within the study area. Based on a review of nearby water bodies, groundwater was anticipated to likely exist at or above existing grade within the footprints of the proposed culvert extension areas.

After completion of the preliminary "desktop" review, **EGS** personnel traveled to the project site to observe the existing field conditions. The existing segment of CR 121 at each culvert crossing consists of a two-lane asphalt paved roadway which receives relatively low to moderate levels of vehicular traffic, with a significant percentage of traffic consisting of large trucks based on visual observation. The area surrounding the project corridor was primarily being utilized for silviculture (i.e., tree farms) with some intermittent residential developments present. Photographs of the existing site conditions at the culvert locations have been provided as **Figures 3A** through **3F**.

PROPOSED STRUCTURES

The culverts associated with this study have been identified in this Report as follows:

CULVERT	APPROX. STATION	BRIDGE NO.	CROSSING DESCRIPTION
1	54+00	740044	Deep Creek Branch
2	90+50	N/A	Unnamed Crossing
3	407+00	N/A	St. Mary's River Tributary

Based on preliminary plans provided by **KHA**, **EGS** understands that while all 3 culverts are proposed to be extended away from the existing roadway shoulders by approximately 10 feet, the existing culvert structures at Deep Creek Branch (Culverts 1) and the St. Mary's River Tributary (Culvert 3) are planned to be replaced in full.

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SUBSURFACE INVESTIGATION

The subsurface investigation outlined in this Report was conducted in July 2024. Isabella Caporini, E.I., served as the Geotechnical Staff Engineer and Matthew Landschoot, P.E., served as the Senior Geotechnical Engineer of Record. Additional project oversight and quality assurance / quality control (**QA/QC**) was provided by Chandra Samakur, P.E., Senior Geotechnical Engineer.

EGS installed 6 **SPT** soil borings to a depth of 40 feet below the existing ground surface, and 6 hand auger soil borings to depths ranging from 2.5 to 4.5 feet below the existing ground surface to evaluate conditions below the proposed culvert extension areas. Soil borings were performed using both manual hand auger techniques and a truck mounted rotary drill rig equipped with an automatic hammer. To avoid impact to mismarked utilities, hand auger sampling coupled with Static Cone Penetrometer (**CPI**) tests was performed continuously to a depth of 5.5 feet below grade. Below 5.5 feet, **SPT**s were conducted continuously to a depth of 12 feet below grade, and then on 2.5-foot intervals thereafter until reaching the boring termination depth.

To facilitate uniformity of the subsurface data, the **CPI** "**C**" values have been converted to equivalent **SPT** "**N**" values using the correlation "**N**" = "**C**"/4. The soil boring location data is provided in **TABLE 1**, and depicted on the Soil Boring Location Map included as **Figures 4A** through **4C**.

Soil samples were collected and classified in the field by **EGS** personnel, and then sealed and transported to **EGS**' Geotechnical Laboratory for testing. The laboratory testing included water contents, grain-size distributions, Atterberg Limits, organic contents, and corrosion series. The soil borings were classified with respect to the Unified Soil Classification System (**USCS**).

GENERAL SUBSURFACE CONDITIONS

The results of the field and laboratory testing are summarized on the *Report of Culvert Borings* plan sheets provided in **APPENDIX A**. Detailed Soil Boring Logs and Soil Classification Data sheets provided in **APPENDICES B** and **C**, respectively.

The generalized subsurface conditions encountered during this investigation, as depicted in **APPENDIX A**, are as follows:

Soil Boring BCK-1

- EL 68.4 to 48.4 feet – Loose to Medium Dense Silty Fine Sand (**SM**)
- EL 48.4 to 45.9 feet – Stiff Plastic Sandy Clay (**CL**)
- EL 45.9 to 28.4 feet – Loose Silty Fine to Clayey Fine Sand (**SM** to **SC**)

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Soil Boring BCK-2

- EL 68.6 to 28.6 feet – Loose to Medium Dense Silty Fine Sand (**SM**)

Soil Boring BCK-3

- EL 73.9 to 58.9 feet – Loose to Medium Dense Silty Fine to Clayey Fine Sand (**SM** to **SC**)
- EL 58.9 to 51.4 feet – Soft to Firm Highly Plastic Sandy Clay (**CH**)
- EL 51.4 to 33.9 feet – Loose Silty Fine Sand (**SM**)

Soil Boring BCK-4

- EL 72.9 to 57.9 feet – Loose Silty Fine to Clayey Fine Sand (**SM** to **SC**)
- EL 57.9 to 37.9 feet – Soft to Firm Sandy Clay to Highly Plastic Sandy Clay (**CL** to **CH**)
- EL 37.9 to 32.9 feet – Loose Silty Fine Sand (**SM**)

Soil Boring BCK-5

- EL 57.7 to 37.7 feet – Very Loose to Loose Silty Fine Sand to Clayey Sand (**SM** to **SC**)
- EL 37.7 to 17.7 feet – Loose to Medium Dense Silty Fine Sand to Highly Plastic Clayey Sand (**SM** to **SC**)

Soil Boring BCK-6

- EL 60.0 to 35.0 feet – Very Loose to Loose Silty Fine Sand to Plastic Clayey Sand (**SM** to **SC**)
- EL 35.0 to 30.0 feet – Medium Dense to Dense Silty Fine Sand (**SM**)
- EL 30.0 to 20.0 feet – Soft to Firm Highly Plastic Sandy Silt (**MH**)

Based on hand auger Soil Borings **BCP-1** through **BCP-6**, the subsurface conditions encountered within the submerged areas immediately adjacent to the existing culvert headwalls primarily consisted of Fine to Silty Fine Sand (**SP-SM** to **SM**). However, it should be noted that a lens of surficial Muck (**OL**) underlain by Organic Silty Fine Sand (**SM**) and Plastic Clayey Sand (**SC**) was encountered at Soil Boring **BCP-2** to the boring termination depth. Additionally, a surficial lens of Fine Sand with Organics (**SP-SM**) was encountered at Soil Boring **BCP-5**.

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Groundwater – To facilitate use of groundwater data, **TABLE 1** includes a summary of the measured groundwater levels encountered during this investigation. Additionally, the measured groundwater is shown graphically on the *Report of Culvert Borings* provided in **APPENDIX A**.

As indicated in the **TABLE** and **APPENDIX**, groundwater was encountered at various depths ranging from at the ground surface to 7.0 feet below existing grade (EL 52.2 to 68.3 feet). The design high water level for the bridge culverts shall be determined from the hydraulic analysis to be conducted by others.

Environmental Classification – As part of this investigation, **EGS** performed corrosion series testing on representative soil and water samples collected during the subsurface investigation. These environmental tests included soil resistivity, pH, sulfate content, and chloride content. The environmental testing performed during this study has been conducted in accordance with the **FDOT** *Florida Method* (**FM**) and has been classified based on the **FDOT** *Structures Design Guidelines Table 1.3.2-1*. The results of the environmental testing have been summarized in **TABLE 2** and on the *Report of Culvert Borings* plan sheets provided in **APPENDIX A**.

Scour Considerations – To assist with the evaluation of the scour of the existing soils adjacent to the culvert locations, **EGS** conducted grain-size distribution determinations on representative soil samples. Copies of the grain-size distribution curves have been provided in **APPENDIX D**, and pertinent grain-size parameters needed for a scour analysis are summarized on **TABLE 3**.

GEOTECHNICAL RECOMMENDATIONS

Geotechnical Design Parameters – Based on the soil boring results and understanding that the bearing surface will be prepared as outlined below, **EGS** recommends the following parameters be used in the design of the proposed culvert replacements and extension:

Culvert 1 (Approx. Sta. 54+00):

Total Unit Weight (**γ**)	115	pcf
Effective Unit Weight (γ_{eff})	52.6	pcf
Friction Angle (**ϕ**)	35	deg
Cohesion (**c**)	0	psf
Rankine Effective Earth Pressure Coefficient (K_a)	0.27	
Rankine Passive Earth Pressure Coefficient (K_p)	3.68	
Allowable Bearing Pressure (q_a)	2,100	psf
Modulus of Subgrade Reaction (K_s)	132,000	pcf

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Total Settlement (**y**)	1.6	inches
Differential Settlement (Δ**y**)	0.3	inches
Effective Length along Box Culvert (**L**)	12	feet

Culvert 2 (Approx. Sta. 90+50):

Total Unit Weight (**γ**)	115	pcf
Effective Unit Weight (γ_{eff})	52.6	pcf
Friction Angle (**ϕ**)	35	deg
Cohesion (**c**)	0	psf
Rankine Effective Earth Pressure Coefficient (K_a)	0.27	
Rankine Passive Earth Pressure Coefficient (K_p)	3.69	
Allowable Bearing Pressure (q_a)	1,800	psf
Modulus of Subgrade Reaction (K_s)	120,000	pcf
Total Settlement (**y**)	1.7	inches
Differential Settlement (Δ**y**)	0.4	inches
Effective Length along Box Culvert (**L**)	15	feet

Culvert 3 (Approx. Sta. 407+00):

Total Unit Weight (**γ**)	110	pcf
Effective Unit Weight (γ_{eff})	47.6	pcf
Friction Angle (**ϕ**)	35	deg
Cohesion (**c**)	0	psf
Rankine Effective Earth Pressure Coefficient (K_a)	0.27	
Rankine Passive Earth Pressure Coefficient (K_p)	3.69	
Allowable Bearing Pressure (q_a)	2,100	psf
Modulus of Subgrade Reaction (K_s)	84,000	pcf
Total Settlement (**y**)	1.2	inches
Differential Settlement (Δ**y**)	0.3	inches
Effective Length along Box Culvert (**L**)	11	feet

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It should be noted that the above parameters are based on 24 inches of subsoil excavation below the proposed bearing surface and replacement with a suitable compacted coarse aggregate (No. 57 Stone). Sample calculations used to develop the geotechnical design parameters are provided in ***APPENDIX E****.*

Preparation of Bearing Surface – Based on the subsurface conditions encountered for this study, **EGS** recommends the following for the preparation of the bearing surface:

- **Concrete Box Culvert Structure – EGS recommends** the following to prepare the subgrade for the culvert replacements:
    - Overexcavate the existing subsoils to a minimum depth of 24 inches below the bottom of the proposed box culvert bearing surface, and place a separation geotextile (Type D-4 filter fabric) as defined by the **FDOT** *Standard Specifications.* Filter fabric should be uniformly placed over the excavated surface and free of wrinkles prior to fill placement. Splicing of the geotextile, if needed, shall be in accordance with manufacturer recommendations;
    - Place and compact 4, 6-inch lifts (compacted thickness) of coarse aggregate (No. 57 Stone) onto the filter fabric to achieve a firm and unyielding bearing surface as determined by visual inspection by a qualified on-site materials testing representative; and,
    - Fully wrap the filter fabric around the coarse aggregate bedding layer to prevent the inflow of fines.

It should also be noted that the proposed excavations will likely extend below the existing water table. Therefore, dewatering in accordance with **FDOT** *Standard Specifications*, *Section 455-28* should be anticipated to prepare a stable bearing surface during construction. Additionally, temporary shoring (i.e. sheet piles, trench box, etc.) will likely be required to facilitate the excavation. Perform temporary shoring in accordance with **FDOT** *Standard Specifications*.

EGS recommends that reuse of any materials excavated as backfill shall be in accordance with **FDOT** Standard Plans Index 120-001. Removal of any unsuitable materials encountered shall be in accordance with **FDOT** Standard Plans Index 120-002 when appropriate. Placement and compaction of backfill materials should be performed in accordance with **FDOT** Standard Specifications for Road and Bridge Construction.

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Additional Settlement Considerations – EGS performed the settlement analysis at the three culvert locations using the computer modeling program **FoSSA 2.0**. **Figures E1** through **E3** illustrating the settlement analysis results, along with computer "outputs" of the settlement analyses are provided in **APPENDIX E**.

*As previously noted, **EGS** estimates that approximately **1.2 to 1.7 inches** of total settlement, and approximately **0.3 to 0.4 inches** of differential settlement may occur due to the additional load of the culvert extensions and fill required. If the estimated settlement magnitude exceeds the allowable structural tolerances, **EGS** recommends to consider either design of a cast-in-place link slab system, as depicted on **FDOT** Standard Plans Index 400-291, or completion of an initial preload program prior to construction of the permanent culvert structures. **EGS** believes that a temporary preload program of the "native" subsoils beyond the existing culvert headwalls could be an economical option to pre-settle and stabilize compressible subsoils prior to construction of the permanent box culvert structures. The temporary preload program would require installation of temporary drainage pipes and temporary embankment fill to provide a comparable overburden load to that of the proposed permanent structure and fill. The preload program would need to continue for a period of approximately 30 days and may be monitored by installation of a settlement plate at each culvert location to confirm when settlement has fully stabilized. Once the settlement has stabilized, the temporary fill and temporary pipes would be removed, and the permanent culvert structure and fill can be installed. **EGS** would be pleased to provide additional assistance with development of special Plan details and a Technical Special Provision (**TSP**) if preloading is considered necessary to reduce settlements to a tolerable level for the permanent culvert structures.*

Temporary Critical Wall – EGS understands that the proposed culvert replacements are likely to be constructed near traffic flow along CR 121; therefore, it should be noted that temporary Critical Sheet Pile Walls, as defined by **FDOT** standard, will likely be needed to facilitate excavation and dewatering. **EGS** has provided soil parameters for analysis and design of a temporary steel sheet pile wall in **TABLE 4**.

Construction Plans – EGS recommends the following be included in the Construction Plans:

- Geotechnical Plan Sheets:
    - *Report of Culvert Borings* included in **APPENDIX A** of this Report.
- Recommended Plan Notes:
    - *"Dewatering in accordance with **FDOT** Standard Specifications for Road and Bridge Construction shall be anticipated to prepare a stable surface condition for construction of the proposed culvert structures. Cost of such dewatering shall be incidental to the pay item for the construction of the proposed culvert structures."*

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- *"All costs associated with temporary non-critical sheet piling not shown in the Plans, if needed to perform excavations and facilitate dewatering, shall be incidental to the pay item for the construction of the proposed culvert structures."*

CLOSURE

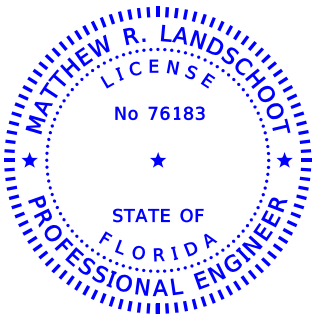
The data and results presented in this Geotechnical Investigation Report are intended for use by **Kimley-Horn and Associates, Inc.**, for evaluation of 3 proposed culvert extensions located along a segment of CR 121 in Nassau County, Florida as identified herein. This data may not be used without the expressed written consent of **Kimley-Horn and Associates, Inc.** This Report is not intended for any other use and will likely not be applicable. This Report shall not be reproduced, except in full, without the written approval of **Environmental and Geotechnical Specialists, Inc.** The data and recommendations presented in this Report are based on the soil borings made at the specific locations and depths noted. Subsurface conditions at other locations may vary significantly from those presented herein. Should data become available which is different from the data presented herein, **Environmental and Geotechnical Specialists, Inc.** requests the opportunity to review the data and make any modifications to the design recommendations that may be appropriate.

If you have any questions concerning the information contained in this Report, please do not hesitate to call at (904) 329-7180.

Very truly yours,
Environmental and Geotechnical Specialists, Inc.

Matthew R Landschoot 2024.11.26 15:28:15 -05'00'

Matthew Landschoot, P.E.
Geotechnical Project Engineer
Florida PE No. 76183



Environmental and Geotechnical Specialists, Inc.
3772 Kori Drive
Jacksonville, FL 32257

This Report has been digitally signed and sealed by Matthew Landschoot on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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TABLES

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

TABLE 1
SOIL BORING LOCATION AND GROUNDWATER DATA
CR 121 CULVERT EXTENSIONS
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

BORING NUMBER	BORING DEPTH [1]	GROUND SURFACE ELEVATION [2]	MEASURED GROUNDWATER		STATION [3]	OFFSET FROM STATION [3]	GLOBAL POSITIONING SYSTEM (GPS) COORDINATES [4]			
			DEPTH [1]	ELEVATION [2]			LATITUDE		LONGITUDE	
	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	DEG	MIN	DEG	MIN
CULVERT 1 (STA. 54+00)										
BCK-1	40.0	68.4	2.0	66.4	53+92	31 LEFT	30	18.886	82	0.514
BCP-1	2.5	66.3	0.0 [5]	66.3 [5]	54+06	32 LEFT	30	18.888	82	0.514
BCK-2	40.0	68.6	1.5	67.1	53+79	44 RIGHT	30	18.884	82	0.500
BCP-2	4.5	67.0	0.0 [5]	67.0 [5]	54+02	28 RIGHT	30	18.888	82	0.503
CULVERT 2 (STA. 90+50)										
BCK-3	40.0	73.9	7.0	66.9	90+48	40 LEFT	30	19.489	82	0.528
BCP-3	2.5	67.2	0.0 [5]	67.2 [5]	90+39	51 LEFT	30	19.487	82	0.530
BCK-4	40.0	72.9	5.0	67.9	90+11	37 RIGHT	30	19.483	82	0.513
BCP-4	4.5	68.3	0.0 [5]	68.3 [5]	90+35	47 RIGHT	30	19.487	82	0.511
CULVERT 3 (STA. 407+00)										
BCK-5	40.0	57.7	5.5	52.2	406+83	35 LEFT	30	24.330	82	1.900
BCP-5	4.5	52.7	0.0 [5]	52.7 [5]	406+54	37 LEFT	30	24.326	82	1.902
BCK-6	40.0	60.0	5.0	55.0	406+96	35 RIGHT	30	24.330	82	1.887
BCP-6	2.5	54.9	0.0 [5]	54.9 [5]	406+69	36 RIGHT	30	24.326	82	1.887

NOTES: 1. DEPTH IS MEASURED BELOW EXISTING GROUND SURFACE.
2. ELEVATIONS APPROXIMATE AND DETERMINED FROM ELECTRONIC FILES PROVIDED BY **KIMLEY-HORN AND ASSOCIATES, INC**.
3. STATION AND OFFSETS BASED ON ELECTRONIC FILES PROVIDED BY **KIMLEY-HORN AND ASSOCIATES, INC.**
4. COORDINATES ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS AND MAPPING SOFTWARE.
5. SEASONAL SURFACE WATER CONDITIONS SHOULD BE ANTICIPATED.

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TABLE 2
ENVIRONMENTAL CLASSIFICATION DATA
CR 121 CULVERT EXTENSIONS
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

MATERIAL	LOCATION	DEPTH [1] (FEET)	pH	RESISTIVITY (OHM-CM)	SULFATES (PPM)	CHLORIDES (PPM)	CLASSIFICATION [2]	
							STEEL	CONCRETE
SOIL	BCK-2	1.0 - 4.5	7.2	5,600	3	105	**SLIGHTLY AGGRESSIVE**	**SLIGHTLY AGGRESSIVE**
WATER	NEAR BCP-2		6.7	8,900	<1	150	**MODERATELY AGRRESSIVE**	**SLIGHTLY AGGRESSIVE**
WATER	NEAR BCP-3		6.3	8,200	<1	210	**MODERATELY AGRRESSIVE**	**SLIGHTLY AGGRESSIVE**
SOIL	BCK-4	2.0 - 3.5	4.5	3,000	204	135	**EXTREMELY AGGRESSIVE**	**EXTREMELY AGGRESSIVE**
SOIL	BCK-5	2.0 - 4.5	5.5	7,600	165	135	**EXTREMELY AGGRESSIVE**	**MODERATELY AGGRESSIVE**
WATER	NEAR BCP-6		6.5	4,700	<1	195	**MODERATELY AGRRESSIVE**	**SLIGHTLY AGGRESSIVE**
SUBSTRUCTURE							**EXTREMELY AGGRESSIVE**	**EXTREMELY AGGRESSIVE**
SUPERSTRUCTURE							**SLIGHTLY AGGRESSIVE**	**SLIGHTLY AGGRESSIVE**

NOTE: 1. DEPTHS ARE MEASURED BELOW EXISTING GROUND SURFACE.
2. CLASSIFICATIONS IN ACCORDANCE WITH FDOT *STRUCTURES DESIGN GUIDELINES* (TABLE 1.3.2-1).

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TABLE 3
GRAIN-SIZE DATA FOR SCOUR CONSIDERATION
CR 121 CULVERT EXTENSIONS
FROM DUVAL COUTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

BORING NUMBER	DEPTH BELOW GROUND SURFACE [1] (FEET)	ELEVATION [2] (FEET)	GRAIN-SIZE PARAMETER	RECOMMENDED VALUE (MILLIMETERS)	MATERIAL CLASSIFICATION (USCS)
BCP-1	1.0 - 1.5	65.3 - 64.8	D_{10}	0.065[3]	SILTY FINE SAND (SM)
			D_{50}	0.14	
			D_{60}	0.16	
			D_{85}	0.21	
			C_u	2.5	
BCP-2	2.0 - 2.5	65.0 - 64.5	D_{10}	0.018[3]	PLASTIC CLAYEY SAND WITH ORGANICS (SC)
			D_{50}	0.080	
			D_{60}	0.10	
			D_{85}	0.17	
			C_u	5.6	
BCP-3	1.0 - 1.5	66.2 - 65.7	D_{10}	0.090	FINE SAND (SP-SM)
			D_{50}	0.17	
			D_{60}	0.18	
			D_{85}	0.28	
			C_u	2.0	
BCP-4	1.0 - 1.5	67.3 - 66.8	D_{10}	0.090	FINE SAND (SP-SM)
			D_{50}	0.17	
			D_{60}	0.18	
			D_{85}	0.21	
			C_u	2.0	
BCP-5	1.0 - 1.5	51.7 - 51.2	D_{10}	0.080	FINE SAND (SP-SM)
			D_{50}	0.14	
			D_{60}	0.16	
			D_{85}	0.22	
			C_u	2.0	
BCP-6	1.0 - 1.5	53.9 - 53.4	D_{10}	0.065[3]	SILTY FINE SAND (SM)
			D_{50}	0.14	
			D_{60}	0.15	
			D_{85}	0.20	
			C_u	2.3	

NOTES: 1. DEPTHS ARE MEASURED BELOW EXISTING GROUND SURFACE.
2. ELEVATIONS DETERMINED FROM ELECTRONIC FILES PROVIDED BY **KIMLEY-HORN AND ASSOCIATES, INC**.
3. GRAIN-SIZE PARAMETER EXTRAPOLATED BASED ON SIEVE ANALYSIS.

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TABLE 4
PRELIMINARY GEOTECHNICAL DESIGN PARAMETERS
CR 121 CULVERT EXTENSIONS
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

SOIL DESCRIPTION	AVERAGE LAYER ELEVATION [1] (FEET)	AVERAGE LAYER DEPTH [2] (FEET)	CORRECTED SPT 'N' VALUE [3]	SOIL UNIT WEIGHT [4] TOTAL (LB/FT^3) (γ)	SOIL UNIT WEIGHT [4] EFFECTIVE (LB/FT^3) (γ')	COHESION (LB/FT^2) (c)	ADHESION (LB/FT^2) (α)	INTERNAL FRICTION ANGLE (DEGREES) (ϕ)	RANKINE EARTH PRESSURE COEFFICIENT ACTIVE (K_a)	RANKINE EARTH PRESSURE COEFFICIENT PASSIVE (K_p)	STEEL SHEET PILE WALL WALL FRICTION ANGLE (DEGREES) (δ)	STEEL SHEET PILE WALL COULOMB EARTH PRESSURE COEFFICIENT [5] ACTIVE (K_a)	STEEL SHEET PILE WALL COULOMB EARTH PRESSURE COEFFICIENT [5] PASSIVE (K_p)
CULVERT 1 - STA. 54+00 (SOIL BORINGS BCK-1 AND BCK-2)													
LOOSE to MEDIUM DENSE SILTY FINE SAND (**SM**)	68.6 to 48.4	0.0 to 20.0	11	115	53	- -	- -	30	0.33	3.00	15	0.30	4.98
STIFF PLASTIC SANDY CLAY (**CL**)	48.4 to 45.9	20.0 to 22.5	10	120	58	1,500	1,350	- -	1.00	1.00	- -	1.00	1.00
LOOSE SILTY FINE to CLAYEY FINE SAND (**SM** to **SC**)	45.9 to 28.4	22.5 to 40.0	6	110	48	- -	- -	29	0.35	2.88	15	0.31	4.63
CULVERT 2 - STA. 90+50 (SOIL BORINGS BCK-3 AND BCK-4)													
LOOSE to MEDIUM DENSE SILTY FINE to CLAYEY FINE SAND (**SM** to **SC**)	73.9 to 58.9	0.0 to 15.0	10	115	53	- -	- -	30	0.33	3.00	15	0.30	4.98
SOFT to FIRM HIGHLY PLASTIC SANDY CLAY (**CH**)	58.9 to 46.4	15.0 to 27.5	5	115	53	950	855	- -	1.00	1.00	- -	1.00	1.00
LOOSE SILTY FINE SAND (**SM**)	46.4 to 32.9	27.5 to 40.0	7	110	48	- -	- -	29	0.35	2.88	15	0.31	4.63

NOTES: 1. ELEVATIONS ARE APPROXIMATE AND BASED ON ELECTRONIC FILES PROVIDED BY **KIMLEY-HORN AND ASSOCIATES**.
2. DEPTH IS MEASURED BELOW GROUND SURFACE.
3. N-VALUES HAVE BEEN CORRECTED FOR HAMMER EFFICIENCY AND DEPTH.
4. DESIGN GROUNDWATER LEVEL ASSUMED TO BE AT GROUND SURFACE. EFFECTIVE UNIT WEIGHT SHOULD BE USED BELOW RECOMMENDED DESIGN GROUNDWATER.
5. COULOMB ACTIVE AND PASSIVE EARTH PRESSURE COEFFICIENTS HAVE BEEN CALCULATED ASSUMING THE BACKFILL IS NON-SLOPED (β=0°) AND THE WALL FACE IS VERTICAL (λ=90°).

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TABLE 4
PRELIMINARY GEOTECHNICAL DESIGN PARAMETERS
CR 121 CULVERT EXTENSIONS
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

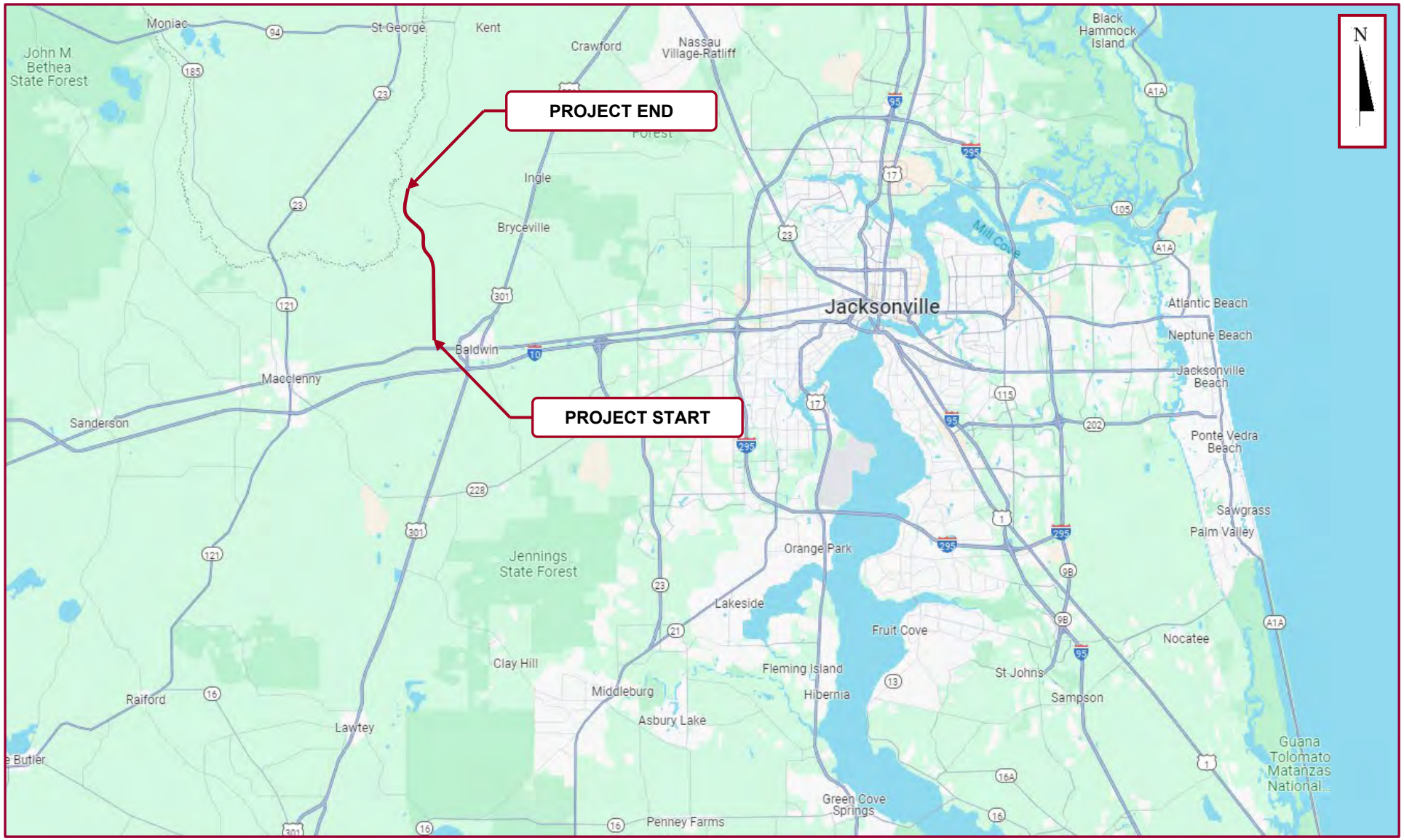
SOIL DESCRIPTION	AVERAGE LAYER ELEVATION [1] (FEET)	AVERAGE LAYER DEPTH [2] (FEET)	CORRECTED SPT 'N' VALUE [3]	SOIL UNIT WEIGHT [4] TOTAL (LB/FT^3) (γ)	SOIL UNIT WEIGHT [4] EFFECTIVE (LB/FT^3) (γ')	COHESION (LB/FT^2) (c)	ADHESION (LB/FT^2) (α)	INTERNAL FRICTION ANGLE (DEGREES) (ϕ)	RANKINE EARTH PRESSURE COEFFICIENT ACTIVE (K_a)	RANKINE EARTH PRESSURE COEFFICIENT PASSIVE (K_p)	STEEL SHEET PILE WALL WALL FRICTION ANGLE (DEGREES) (δ)	STEEL SHEET PILE WALL COULOMB EARTH PRESSURE COEFFICIENT [5] ACTIVE (K_a)	STEEL SHEET PILE WALL COULOMB EARTH PRESSURE COEFFICIENT [5] PASSIVE (K_p)
CULVERT 3 - STA. 407+00 (SOIL BORINGS BCK-5 AND BCK-6)													
LOOSE SILTY FINE to PLASTIC CLAYEY FINE SAND (**SM** to **SC**)	60.0 to 35.0	0.0 to 25.0	6	110	48	- -	- -	29	0.35	2.88	15	0.31	4.63
MEDIUM DENSE SILTY FINE SAND (**SM**)	35.0 to 30.0	25.0 to 30.0	11	115	53	- -	- -	30	0.33	3.00	15	0.30	4.98
SOFT HIGHLY PLASTIC SANDY SILT (**MH**)	30.0 to 22.0	30.0 to 38.0	2	110	48	450	405	- -	1.00	1.00	- -	1.00	1.00
LOOSE to MEDIUM DENSE FINE SAND (**SP-SM**)	22.0 to 17.7	38.0 to 40.0	14	115	53	- -	- -	30	0.33	3.00	15	0.30	4.98

NOTES: 1. ELEVATIONS ARE APPROXIMATE AND BASED ON ELECTRONIC FILES PROVIDED BY **KIMLEY-HORN AND ASSOCIATES**.
2. DEPTH IS MEASURED BELOW GROUND SURFACE.
3. N-VALUES HAVE BEEN CORRECTED FOR HAMMER EFFICIENCY AND DEPTH.
4. DESIGN GROUNDWATER LEVEL ASSUMED TO BE AT GROUND SURFACE. EFFECTIVE UNIT WEIGHT SHOULD BE USED BELOW RECOMMENDED DESIGN GROUNDWATER.
5. COULOMB ACTIVE AND PASSIVE EARTH PRESSURE COEFFICIENTS HAVE BEEN CALCULATED ASSUMING THE BACKFILL IS NON-SLOPED (β=0°) AND THE WALL FACE IS VERTICAL (λ=90°).

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FIGURES

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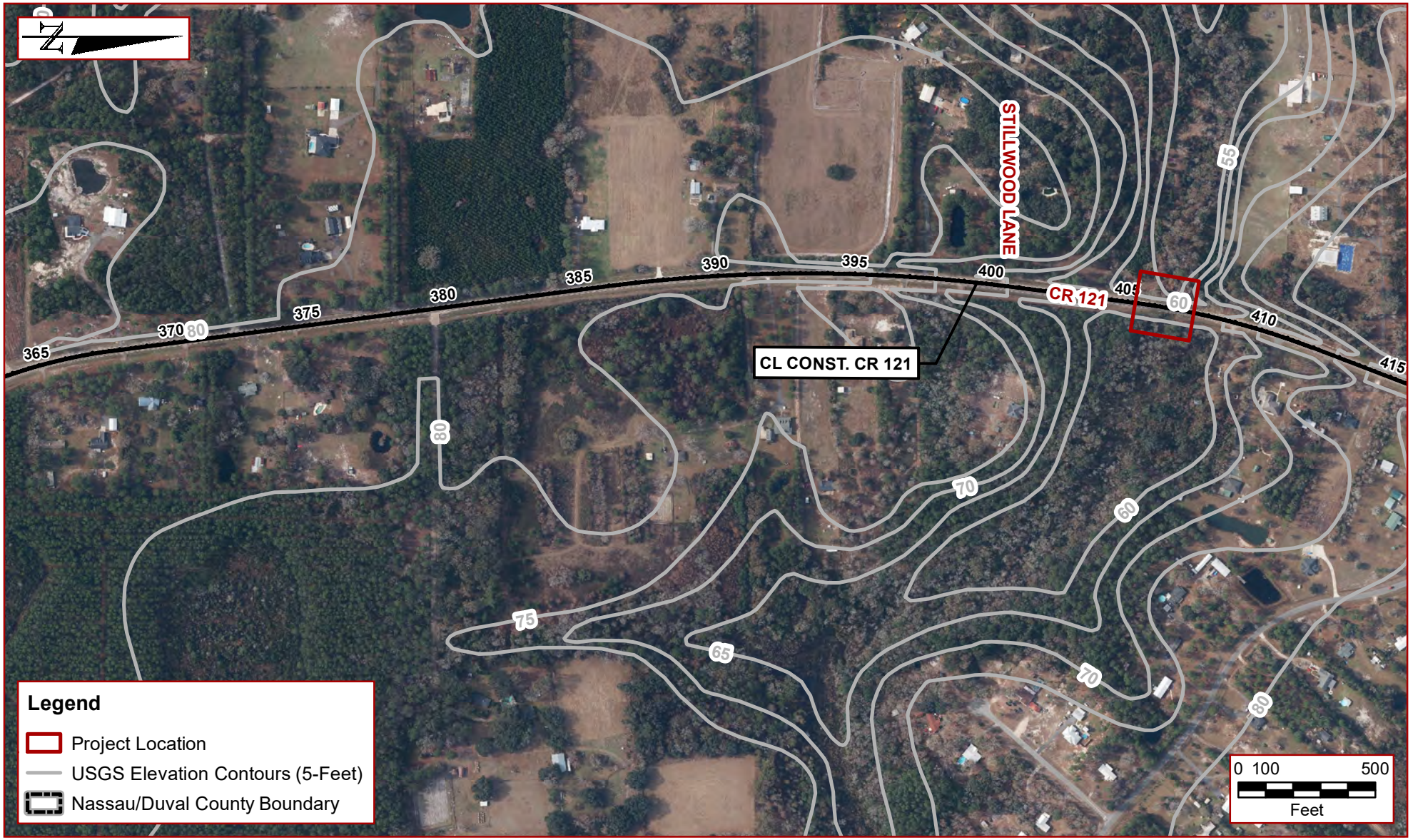
DRAWN: B. NAUGHTON, E.I.	CHECKED: K. MORALES, P.E.	Environmental & Geotechnical Specialists, Inc. 3772 Kori Road Jacksonville, FL 32257 Office: (904)329-7180	TITLE: PROJECT LOCATION MAP CR 121 CULVERT EXTENSIONS FROM DUVAL COUNTY LINE TO CR 119 NASSAU COUNTY, FLORIDA	
ENGINEER: M. LANDSCHOOT, P.E.				
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC.				
PROJ. NO.: 13-54-23-02	SCALE:		DATE: AUGUST 2024	FIGURE NO.: 1

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DRAWN: B. NAUGHTON, E.I.	CHECKED: K. MORALES, P.E.	Environmental and Geotechnical Specialists, Inc. 3772 Kori Road Jacksonville, Florida 32257 Office: (904) 329-7180	TITLE: USGS TOPOGRAPHIC MAP CR 121 CULVERT EXTENSIONS FROM DUVAL COUNTY LINE TO CR 119 NASSAU COUNTY, FLORIDA
ENGINEER: M. LANDSCHOOT, P.E.			
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC.			
PROJ. NO.: 13-54-23-02	SCALE: AS SHOWN		DATE: AUGUST 2024 / FIGURE NO.: 2A

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



DRAWN: B. NAUGHTON, E.I.	CHECKED: K. MORALES, P.E.	Environmental and Geotechnical Specialists, Inc. 3772 Kori Road Jacksonville, Florida 32257 Office: (904) 329-7180	TITLE: USGS TOPOGRAPHIC MAP CR 121 CULVERT EXTENSIONS FROM DUVAL COUNTY LINE TO CR 119 NASSAU COUNTY, FLORIDA
ENGINEER: M. LANDSCHOOT, P.E.			
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC.			
PROJ. NO.: 13-54-23-02	SCALE: AS SHOWN		DATE: AUGUST 2024 / FIGURE NO.: 2B

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FIGURE 3A: PHOTOGRAPH OF EXISTING SITE CONDITIONS NEAR SOIL BORING **BCK-1** (FACING NORTH)



FIGURE 3B: PHOTOGRAPH OF EXISTING SUBSTRUCTURE CONDITIONS NEAR SOIL BORING **BCK-1** (FACING EAST)

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FIGURE 3C: PHOTOGRAPH OF EXISTING SITE CONDITIONS NEAR SOIL BORING **BCK-3** (FACING NORTH)



FIGURE 3D: PHOTOGRAPH OF EXISTING SITE CONDITIONS NEAR SOIL BORING **BCK-3** (FACING SOUTH)

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



FIGURE 3E: PHOTOGRAPH OF EXISTING SITE CONDITIONS NEAR SOIL BORING **BCK-5** (FACING NORTH)



FIGURE 3F: PHOTOGRAPH OF EXISTING SUBSTRUCTURE CONDITIONS NEAR SOIL BORING **BCK-5** (FACING SOUTHEAST)

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



LEGEND

SPT SOIL BORING LOCATION

SOIL PROBE LOCATION

PREPARED:	B. NAUGHTON, E.I.
CHECKED:	K. MORALES, P.E.
REVISED:	B. NAUGHTON, E.I.
ENGINEER:	M. LANDSCHOOT, P.E.

Environmental & Geotechnical Specialists, Inc.

3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

FIELD TEST LOCATION MAP
CR 121 CULVERT EXTENSIONS
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

SCALE:	AS SHOWN	DATE:	AUGUST 2024
PROJ. NO.:	13-54-23-02	FIGURE NO.:	4A

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



LEGEND

SPT SOIL BORING LOCATION

SOIL PROBE LOCATION

PREPARED:	B. NAUGHTON, E.I.
CHECKED:	K. MORALES, P.E.
REVISED:	B. NAUGHTON, E.I.
ENGINEER:	M. LANDSCHOOT, P.E.

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Jacksonville, Florida 32257
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FIELD TEST LOCATION MAP
CR 121 CULVERT EXTENSIONS
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

SCALE:	AS SHOWN	DATE:	AUGUST 2024
PROJ. NO.:	13-54-23-02	FIGURE NO.:	4B

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E



LEGEND

SPT SOIL BORING LOCATION

SOIL PROBE LOCATION

PREPARED:	B. NAUGHTON, E.I.
CHECKED:	K. MORALES, P.E.
REVISED:	B. NAUGHTON, E.I.
ENGINEER:	M. LANDSCHOOT, P.E.

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Office: (904) 329-7180

FIELD TEST LOCATION MAP
CR 121 CULVERT EXTENSIONS
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

SCALE:	AS SHOWN	DATE:	AUGUST 2024
PROJ. NO.:	13-54-23-02	FIGURE NO.:	4C

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

APPENDIX A

REPORT OF CORE BORINGS

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

NOTES

1. NUMBERS LEFT OF BORING INDICATE STANDARD PENETRATION TEST (SPT) N-VALUES OR EQUIVALENT FOR 12-INCH PENETRATION.
2. GROUNDWATER ELEVATIONS SHOWN ARE THE GROUNDWATER ELEVATIONS ENCOUNTERED. FLUCTUATIONS IN THE ELEVATION OF GROUNDWATER SHOULD BE EXPECTED.
3. SOIL DESCRIPTIONS, TEST DATA, AND STANDARD PENETRATION VALUES SHOWN ARE FOR THE SOIL BORING ONLY AND MAY NOT APPLY TO ANY OTHER LOCATIONS EXCEPT AT THE LOCATION OF THE SOIL BORING. EXTRAPOLATION OF THE SOIL BORING DATA TO OTHER LOCATIONS IS THE SOLE RESPONSIBILITY OF THE PERSON PERFORMING THE EXTRAPOLATION.
4. ASTERISK (*) INDICATES EQUIVALENT SPT N-VALUE CONVERTED FROM CONE PENETROMETER INDEX (CPI) VALUES.

SAFETY HAMMER

GRANULAR MATERIALS RELATIVE DENSITY	SPT (BLOWS/12 IN.)	SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/12 IN.)
VERY LOOSE	LESS THAN 4	VERY SOFT	LESS THAN 2
LOOSE	4 - 10	SOFT	2 - 4
MEDIUM DENSE	10 - 30	FIRM	4 - 8
DENSE	30 - 50	STIFF	8 - 15
VERY DENSE	GREATER THAN 50	VERY STIFF	15 - 30
		HARD	GREATER THAN 30

AUTOMATIC HAMMER

GRANULAR MATERIALS RELATIVE DENSITY	SPT (BLOWS/12 IN.)	SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/12 IN.)
VERY LOOSE	LESS THAN 3	VERY SOFT	LESS THAN 1
LOOSE	3 - 8	SOFT	1 - 3
MEDIUM DENSE	8 - 24	FIRM	3 - 6
DENSE	24 - 40	STIFF	6 - 12
VERY DENSE	GREATER THAN 40	VERY STIFF	12 - 24
		HARD	GREATER THAN 24

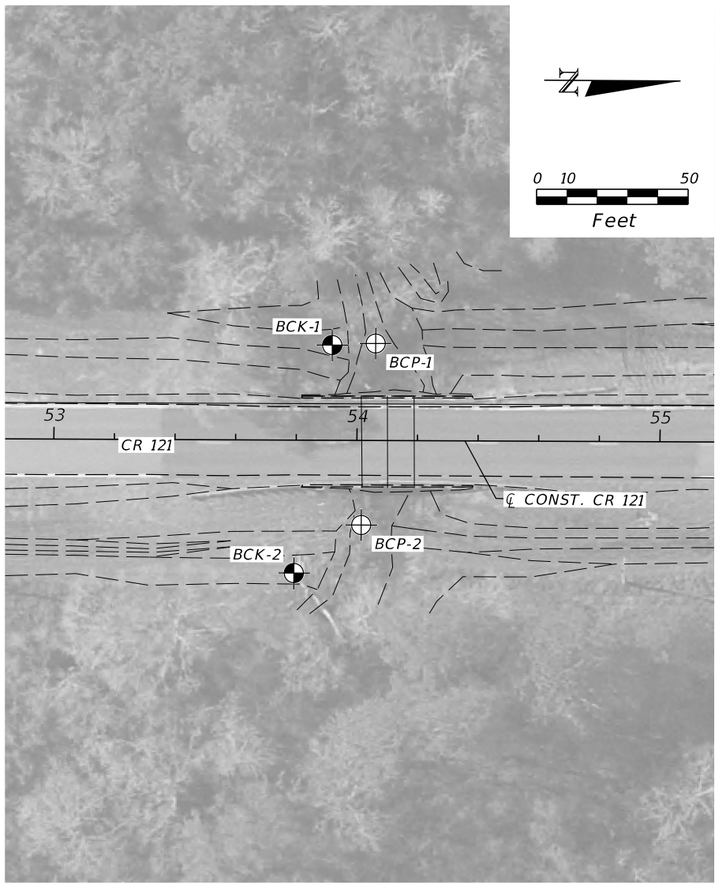
SPLIT-SPOON: INSIDE DIAMETER: 1.375 IN
OUTSIDE DIAMETER: 2.0 IN
AVG. HAMMER DROP: 30.0 IN
HAMMER WEIGHT: 140 LBS

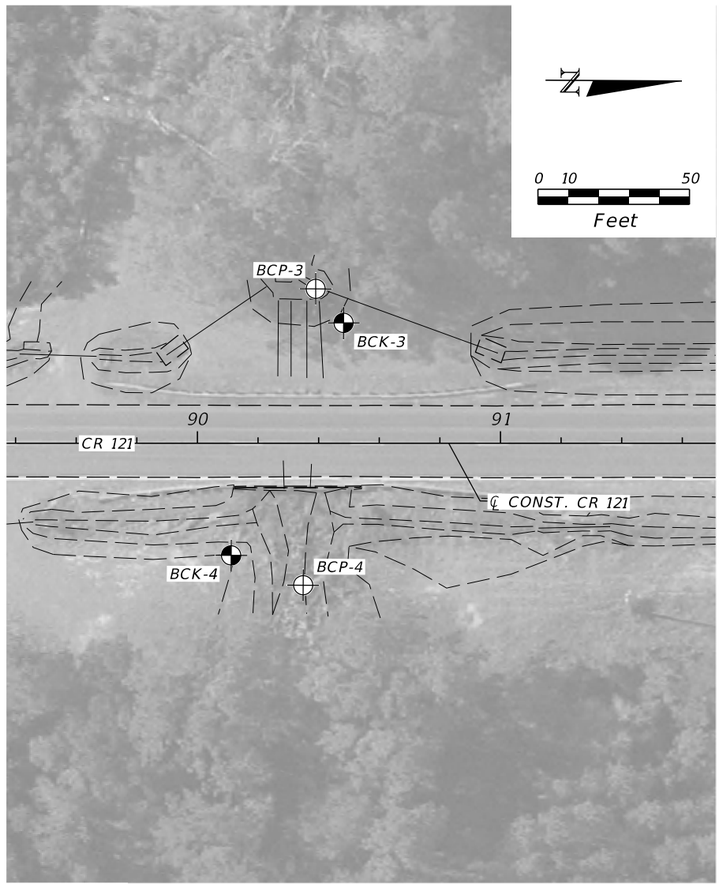
LEGEND

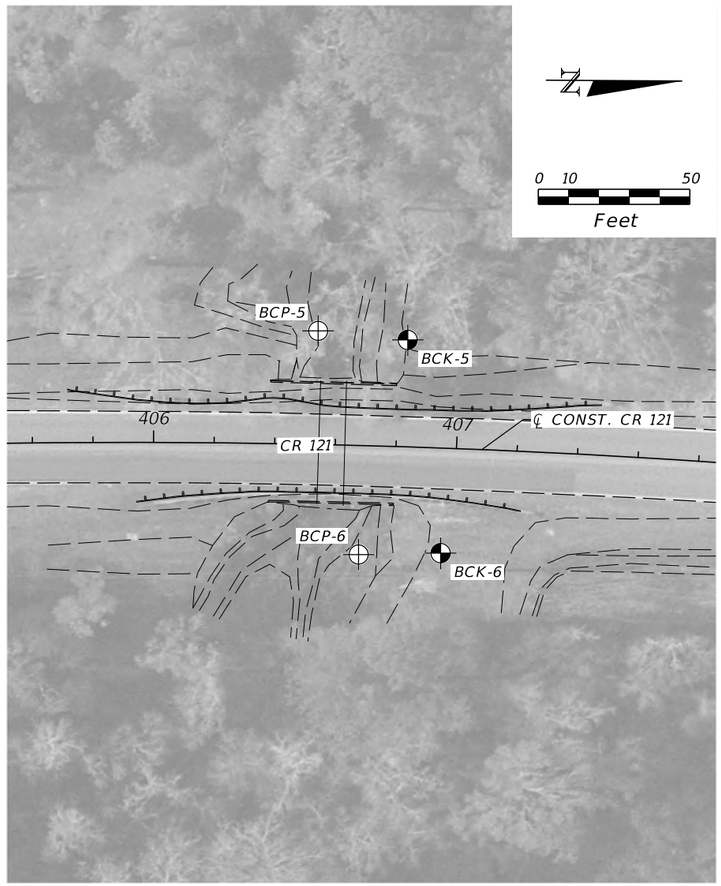
SOIL BORING LOCATION
HAND AUGER SOIL BORING LOCATION
MEASURED WATER LEVEL
LABORATORY TESTING RESULTS
WATER CONTENT — Wc=
-200 SIEVE — -200=
PLASTICITY INDEX — PI=
LIQUID LIMIT — LL=
ORGANIC CONTENT — OC%=
USCS GROUP SYMBOL — (SP-SM)

MEDIUM SAND TO FINE SAND WITH ORGANICS (SP-SM)
SILTY FINE SAND TO SILTY FINE SAND WITH ORGANICS (SM)
CLAYEY FINE SAND TO PLASTIC CLAYEY SAND WITH ORGANICS (SC)
HIGHLY PLASTIC SANDY SILT (MH)
SANDY CLAY TO HIGHLY PLASTIC SANDY CLAY (CL TO CH)
ORGANIC SILTY FINE SAND (SM)
MUCK (OL)

SOIL BORING LOCATION MAPS







REVISIONS: No. | DATE | BY

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
DATE: ____

EGS PROJECT 13-54-23-02
DATE AUGUST 2024
SCALE AS SHOWN | DESIGNED BY MRL | DRAWN BY BPN | CHECKED BY KJM

REPORT OF CULVERT BORINGS

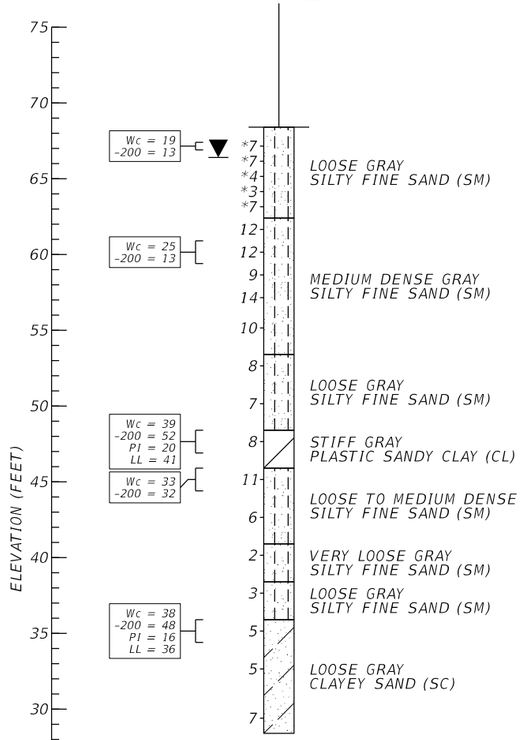
CR 121
NASSAU COUNTY
FL

SHEET NUMBER

Plotted By:Novak, Jessica Sheet Set:Kha Layout:Model October 20, 2023 10:07:31am U:\1 - active projects\dot\13-54-23-02\geotechnical\rptbrd01.dgn
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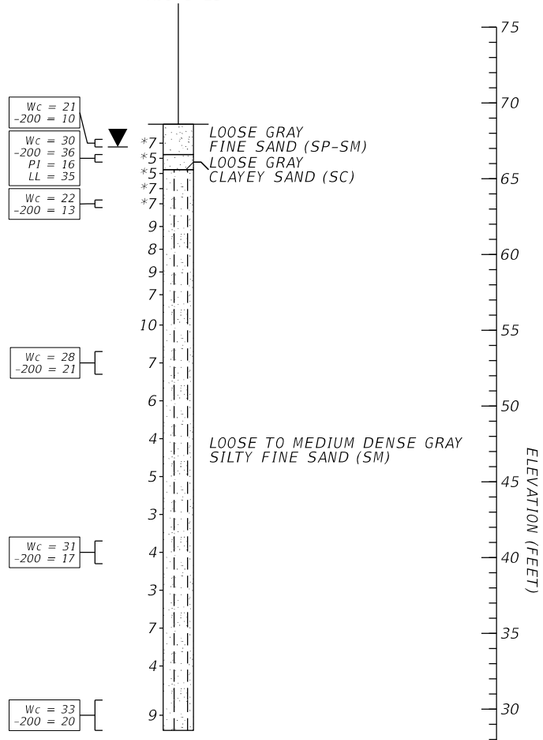
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BORE # BCK-1
REFERENCE ℄ CONST. CR 121
STATION 53+92
OFFSET 31 FEET LEFT
ELEVATION 68.4 FEET
DATE 7/8/2024
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG D-25



BORING TERMINATED
AT ELEV. 28.4 FEET

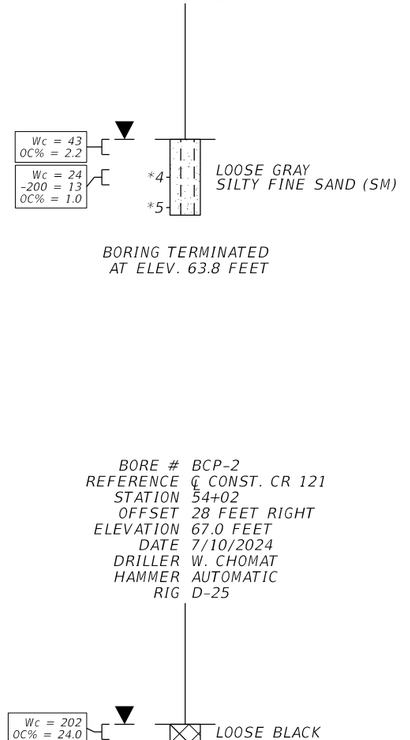
BORE # BCK-2
REFERENCE ℄ CONST. CR 121
STATION 53+79
OFFSET 44 FEET RIGHT
ELEVATION 68.6 FEET
DATE 7/8/2024
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG D-25



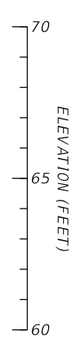
BORING TERMINATED
AT ELEV. 28.6 FEET



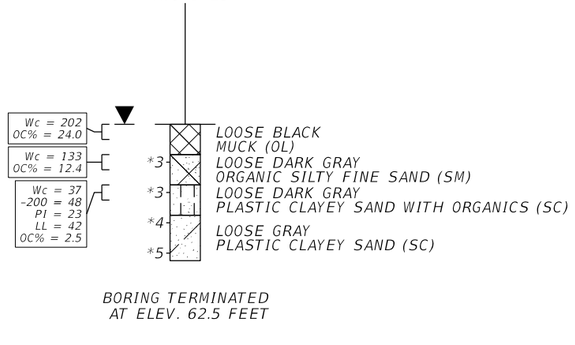
BORE # BCP-1
REFERENCE ℄ CONST. CR 121
STATION 54+06
OFFSET 32 FEET LEFT
ELEVATION 66.3 FEET
DATE 7/10/2024
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG D-25



BORING TERMINATED
AT ELEV. 63.8 FEET

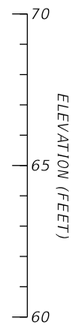


BORE # BCP-2
REFERENCE ℄ CONST. CR 121
STATION 54+02
OFFSET 28 FEET RIGHT
ELEVATION 67.0 FEET
DATE 7/10/2024
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG D-25



BORING TERMINATED
AT ELEV. 62.5 FEET





No.	REVISIONS	DATE	BY

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
DATE: ----

EGS PROJECT 13-54-23-02
DATE AUGUST 2024
SCALE AS SHOWN
DESIGNED BY MRL
DRAWN BY BPN
CHECKED BY KJM

REPORT OF CULVERT BORINGS

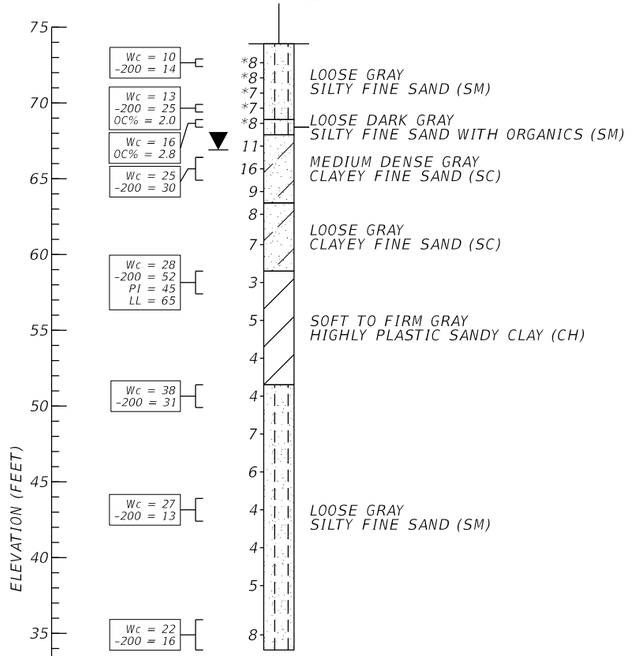
CR 121
NASSAU COUNTY
FL

SHEET NUMBER

Plotted By:Novak, Jessica Sheet Set:Kha Layout:Model October 20, 2023 10:07:31am U:\1 - active projects\dot\13-54-23-02\geotechnical\rptbrd01.dgn
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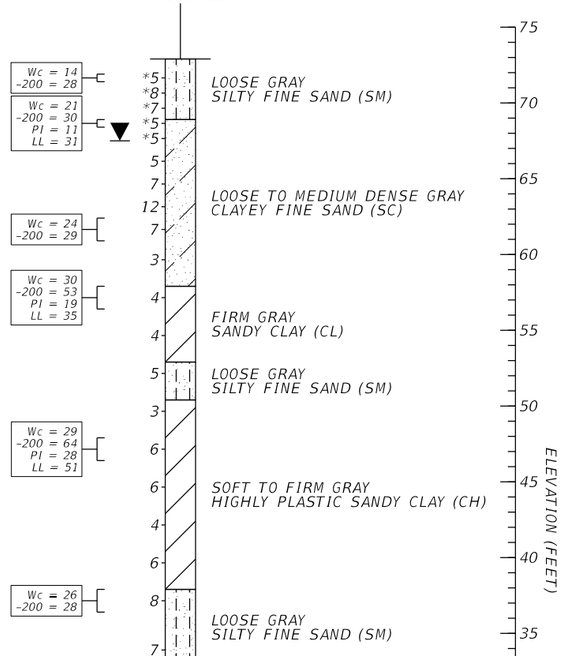
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BORE # BCK-3
REFERENCE ℄ CONST. CR 121
STATION 90+48
OFFSET 40 FEET LEFT
ELEVATION 73.9 FEET
DATE 7/9/2024
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG D-25



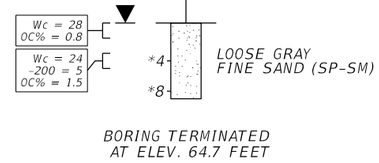
BORING TERMINATED
AT ELEV. 33.9 FEET

BORE # BCK-4
REFERENCE ℄ CONST. CR 121
STATION 90+11
OFFSET 37 FEET RIGHT
ELEVATION 72.9 FEET
DATE 7/9/2024
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG D-25



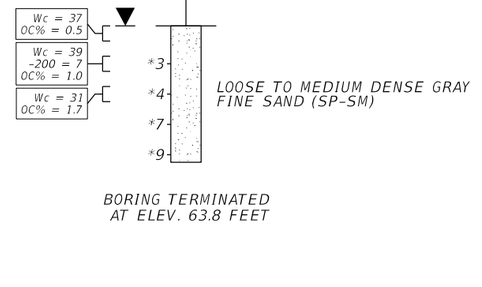
BORING TERMINATED
AT ELEV. 32.9 FEET

BORE # BCP-3
REFERENCE ℄ CONST. CR 121
STATION 90+39
OFFSET 51 FEET LEFT
ELEVATION 67.2 FEET
DATE 7/9/2024
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG D-25



BORING TERMINATED
AT ELEV. 64.7 FEET

BORE # BCP-4
REFERENCE ℄ CONST. CR 121
STATION 90+35
OFFSET 47 FEET RIGHT
ELEVATION 68.3 FEET
DATE 7/9/2024
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG D-25



BORING TERMINATED
AT ELEV. 63.8 FEET

No.	REVISIONS	DATE	BY

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Phone: (904) 329-7180

LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183
DATE: ----

EGS PROJECT 13-54-23-02
DATE AUGUST 2024
SCALE AS SHOWN
DESIGNED BY MRL
DRAWN BY BPN
CHECKED BY KJM

REPORT OF CULVERT BORINGS

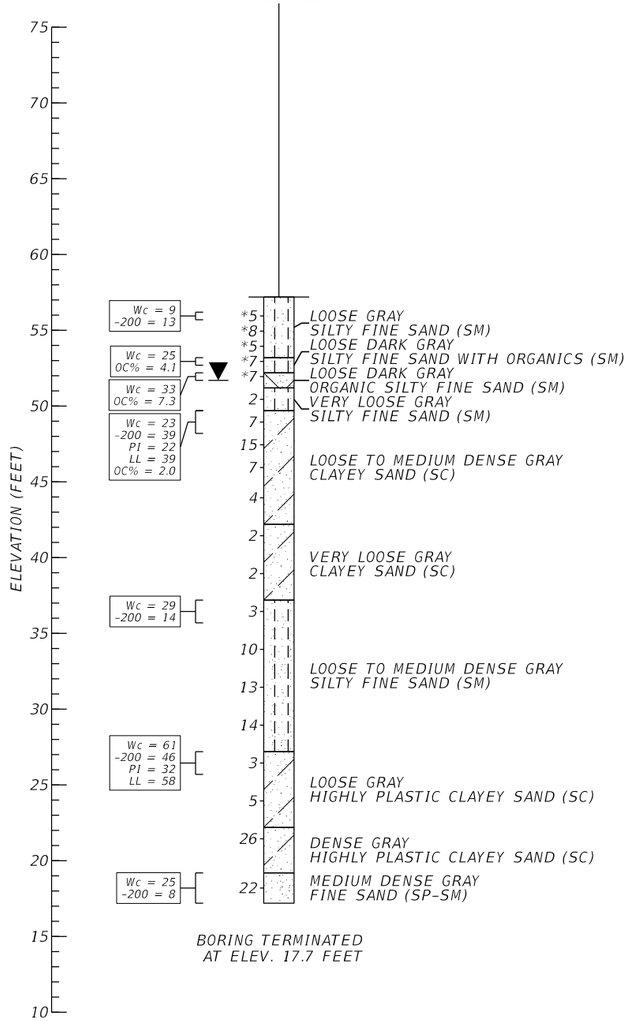
CR 121
NASSAU COUNTY
FL

SHEET NUMBER

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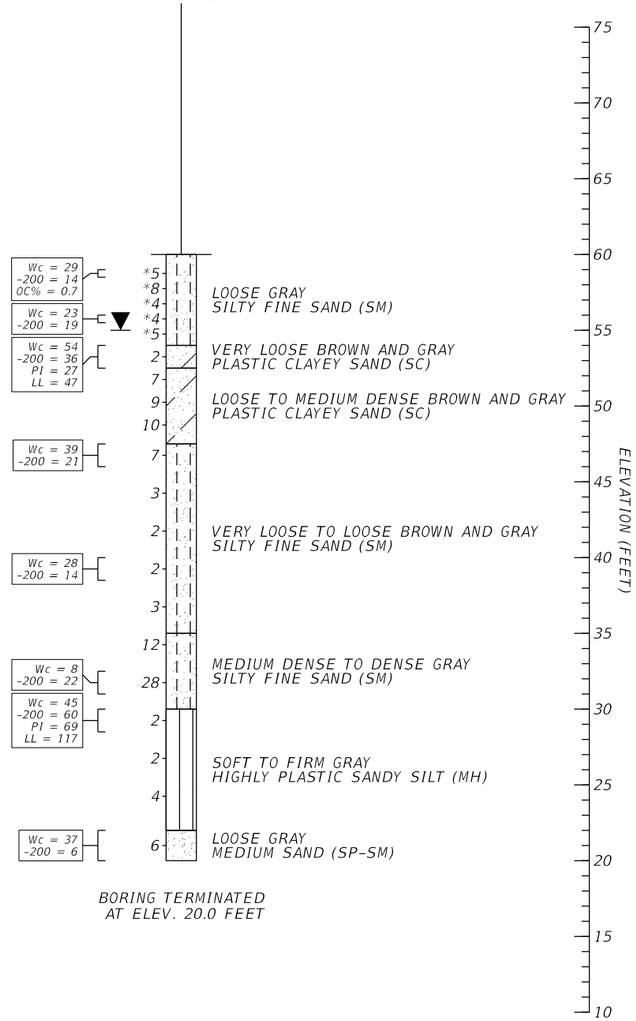
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BORE # BCK-5
REFERENCE ℄ CONST. CR 121
STATION 406+83
OFFSET 35 FEET LEFT
ELEVATION 57.7 FEET
DATE 7/9/2024
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG D-25



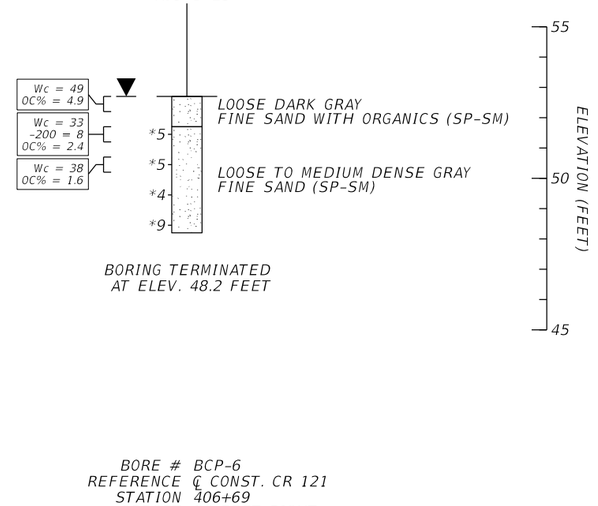
BORING TERMINATED
AT ELEV. 17.7 FEET

BORE # BCK-6
REFERENCE ℄ CONST. CR 121
STATION 406+95
OFFSET 35 FEET RIGHT
ELEVATION 60.0 FEET
DATE 7/9/2024
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG D-25



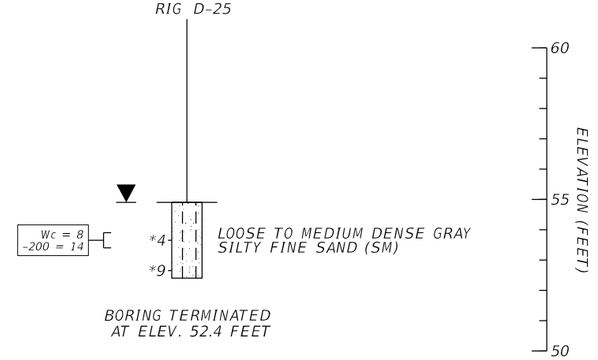
BORING TERMINATED
AT ELEV. 20.0 FEET

BORE # BCP-5
REFERENCE ℄ CONST. CR 121
STATION 406+54
OFFSET 37 FEET LEFT
ELEVATION 52.7 FEET
DATE 7/9/2024
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG D-25



BORING TERMINATED
AT ELEV. 48.2 FEET

BORE # BCP-6
REFERENCE ℄ CONST. CR 121
STATION 406+69
OFFSET 36 FEET RIGHT
ELEVATION 54.9 FEET
DATE 7/9/2024
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG D-25



BORING TERMINATED
AT ELEV. 52.4 FEET

No.	REVISIONS	DATE	BY

EGS
Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
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LICENSED PROFESSIONAL
MATTHEW R. LANDSCHOOT, P.E.
FL LICENSE NUMBER 76183

EGS PROJECT 13-54-23-02
DATE AUGUST 2024
SCALE AS SHOWN
DESIGNED BY MRL
DRAWN BY BPN
CHECKED BY K.JM
DATE: ----

REPORT OF CULVERT BORINGS

CR 121
NASSAU COUNTY
FL

SHEET NUMBER

Plotted By:Novak, Jessica Sheet Set:Kha Layout:Model October 20, 2023 10:07:31am U:\1 - active projects\fdot\13-54-23-02\geotechnical\rpt\bcr01.dgn
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APPENDIX B

SOIL BORING LOGS

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ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCK-1
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: 3.0' **24 HR:** 2.0'

HAMMER TYPE: AUTOMATIC
STATIONING: 53+92
OFFSET: 31 FEET LEFT
ELEVATION (FEET): 68.4'
DATE: 07/08/2024
FLUID LOSS: NONE
CAVING: NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N
0	0						32	--
						-200%=13	19	7
							18	7
				LOOSE GRAY SILTY FINE SAND	SM		26	4
							28	3
1.5							31	7
	6						28	12
						-200%=13	25	12
	9						22	9
3				MEDIUM DENSE GRAY SILTY FINE SAND	SM		24	14
	12						39	10
4.5	15						40	8
				LOOSE GRAY SILTY FINE SAND	SM			
	18						29	7
6								
	21			STIFF GRAY	CL	-200%=52 LL=41 PI=20	39	8

Wc (%) scale: 10, 20, 30, 40, 60
N-Value scale: 10, 20, 30, 40, 60, 80

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCK-1
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: ▽ 3.0' **24 HR:** ▼ 2.0'

HAMMER TYPE: AUTOMATIC
STATIONING: 53+92
OFFSET: 31 FEET LEFT
ELEVATION (FEET): 68.4'
DATE: 07/08/2024
FLUID LOSS: NONE
CAVING: C NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N	N-Value
				PLASTIC SANDY CLAY					
7.5	24			MEDIUM DENSE GRAY SILTY FINE SAND	SM	-200%=32	33	11	
	27			LOOSE GRAY SILTY FINE SAND	SM		31	6	
9	30			VERY LOOSE GRAY SILTY FINE SAND	SM		33	2	
	33			LOOSE GRAY SILTY FINE SAND	SM		30	3	
10.5	36			LOOSE GRAY CLAYEY SAND	SC	-200%=48 LL=36 PI=16	38	5	
							29	5	
12	39						30	7	
	42								

Wc (%) axis: 10, 20, 30, 40, 60
N-Value axis: 10, 20, 30, 40, 60, 80

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NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

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ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCK-2
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: 2.5' **24 HR:** 1.5'

HAMMER TYPE: AUTOMATIC
STATIONING: 53+79
OFFSET: 44 FEET RIGHT
ELEVATION (FEET): 68.6'
DATE: 07/08/2024
FLUID LOSS: NONE
CAVING: NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N
0	0			LOOSE GRAY FINE SAND	SP-SM	-200%=10	26 21	-- 7
				LOOSE GRAY CLAYEY SAND	SC	-200%=36 LL=35 PI=16	30	5
1.5	3			LOOSE GRAY SILTY FINE SAND	SM	-200%=13	24 23 22	5 7 7
	6			MEDIUM DENSE GRAY SILTY FINE SAND	SM		28	9
				LOOSE GRAY SILTY FINE SAND	SM		31	8
3	9			MEDIUM DENSE GRAY SILTY FINE SAND	SM		25	9
				LOOSE GRAY SILTY FINE SAND	SM		27	7
4.5	12			MEDIUM DENSE GRAY SILTY FINE SAND	SM		28	10
	15					-200%=21	28	7
6	18						30	6
	21						32	4

Wc (%) scale: 10, 20, 30, 40, 60
N-Value scale: 10, 20, 30, 40, 60, 80

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

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3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCK-2
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: 2.5' **24 HR:** 1.5'

HAMMER TYPE: AUTOMATIC
STATIONING: 53+79
OFFSET: 44 FEET RIGHT
ELEVATION (FEET): 68.6'
DATE: 07/08/2024
FLUID LOSS: NONE
CAVING: NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N	N-Value
7.5	24						29	5	
	27			LOOSE GRAY SILTY FINE SAND	SM	-200%=17	31	3	
9	30						31	4	
	33						30	3	
10.5	36						31	7	
12	39			MEDIUM DENSE GRAY SILTY FINE SAND	SM	-200%=20	28	4	
	42						33	9	

Wc (%): 10, 20, 30, 40, 60
N-Value: 10, 20, 30, 40, 60, 80

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCK-3
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: ▽ 7.5' **24 HR:** ▽ 7.0'

HAMMER TYPE: AUTOMATIC
STATIONING: 90+48
OFFSET: 40 FEET LEFT
ELEVATION (FEET): 73.9'
DATE: 07/09/2024
FLUID LOSS: NONE
CAVING: ℄ NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N
0	0			LOOSE GRAY SILTY FINE SAND	SM	-200%=14	10	--
							10	8
							3	8
	3						8	7
1.5						-200%=25 ORG%= 2.0	13	7
	6			LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS	SM	ORG%= 2.8	16	8
				MEDIUM DENSE GRAY CLAYEY FINE SAND	SC	ORG%= 1.8	28	11
						-200%=30	25	16
3	9						27	9
				LOOSE GRAY CLAYEY FINE SAND	SC		31	8
	12						31	7
4.5	15			SOFT GRAY HIGHLY PLASTIC SANDY CLAY	CH	-200%=52 LL=65 PI=45	28	3
	18			FIRM GRAY HIGHLY PLASTIC SANDY CLAY	CH		35	5
6	21						31	4

Wc (%) axis: 10, 20, 30, 40, 60
N-Value axis: 10, 20, 30, 40, 60, 80

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCK-3
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: ▽ 7.5' **24 HR:** ▼ 7.0'

HAMMER TYPE: AUTOMATIC
STATIONING: 90+48
OFFSET: 40 FEET LEFT
ELEVATION (FEET): 73.9'
DATE: 07/09/2024
FLUID LOSS: NONE
CAVING: ℄ NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N	N-Value
7.5	24					-200%=31	38	4	
	27						33	7	
9	30						36	6	
	33			LOOSE GRAY SILTY FINE SAND	SM	-200%=13	27	4	
10.5	36						28	4	
12	39					-200%=16	29	5	
	42						22	8	

Wc (%): 10 20 30 40 60
N-Value: 10 20 30 40 60 80

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCK-4
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: ▽ 6.5' **24 HR:** ▼ 5.0'

HAMMER TYPE: AUTOMATIC
STATIONING: 90+11
OFFSET: 37 FEET RIGHT
ELEVATION (FEET): 72.9'
DATE: 07/09/2024
FLUID LOSS: NONE
CAVING: ℄ NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N
0	0			LOOSE GRAY SILTY FINE SAND	SM	-200%=28	7	--
							14	5
							18	8
	3						24	7
1.5				LOOSE GRAY CLAYEY FINE SAND	SC	-200%=30 LL=31 PI=11	21	5
	6 ▽						23	5
							22	5
							22	7
3	9			MEDIUM DENSE GRAY CLAYEY FINE SAND	SC		27	12
				LOOSE GRAY CLAYEY FINE SAND	SC	-200%=29	24	7
	12						22	3
4.5	15			FIRM GRAY SANDY CLAY	CL	-200%=53 LL=35 PI=19	30	4
	18						31	4
6				LOOSE GRAY	SM		31	5
	21							

Wc (%) scale: 10, 20, 30, 40, 60
N-Value scale: 10, 20, 30, 40, 60, 80

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCK-4
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: ▽ 6.5' **24 HR:** ▼ 5.0'

HAMMER TYPE: AUTOMATIC
STATIONING: 90+11
OFFSET: 37 FEET RIGHT
ELEVATION (FEET): 72.9'
DATE: 07/09/2024
FLUID LOSS: NONE
CAVING: C NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N	N-Value
				SILTY FINE SAND					
	24			SOFT GRAY HIGHLY PLASTIC SANDY CLAY	CH		47	3	
7.5						-200%=64 LL=51 PI=28	29	6	
	27						21	6	
9				FIRM GRAY HIGHLY PLASTIC SANDY CLAY	CH				
	30						26	4	
	33						29	6	
10.5						-200%=28			
	36			LOOSE GRAY SILTY FINE SAND	SM		26	8	
	39						32	7	
12									
	42								

Wc (%) scale: 10, 20, 30, 40, 60
N-Value scale: 10, 20, 30, 40, 60, 80

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NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

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ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCK-5
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: 6.0' **24 HR:** 5.5'

HAMMER TYPE: AUTOMATIC
STATIONING: 406+83
OFFSET: 35 FEET LEFT
ELEVATION (FEET): 57.7'
DATE: 07/09/2024
FLUID LOSS: NONE
CAVING: NONE

DEPTH (METERS)	DEPTH (FEET)	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N
0	0	LOOSE GRAY SILTY FINE SAND	SM	-200%=13	9	--
					9	5
					5	8
	3			ORG%= 1.5	9	5
		LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS	SM	ORG%= 4.1	25	7
1.5		LOOSE DARK GRAY ORGANIC SILTY FINE SAND	SM	ORG%= 7.3	33	7
		VERY LOOSE GRAY SILTY FINE SAND	SM	ORG%= 1.9	25	2
		LOOSE GRAY CLAYEY SAND	SC	-200%=39 LL=39 PI=22 ORG%= 2.0	23	7
3	9	MEDIUM DENSE GRAY CLAYEY SAND	SC		28	15
		LOOSE GRAY CLAYEY SAND	SC		31	7
	12				36	4
4.5	15	VERY LOOSE GRAY CLAYEY SAND	SC		34	2
	18				32	2
6						
	21	LOOSE GRAY	SM	-200%=14	29	3

Wc (%) axis: 10, 20, 30, 40, 60
N-Value axis: 10, 20, 30, 40, 60, 80

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NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

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ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCK-5
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: ▽ 6.0' **24 HR:** ▼ 5.5'

HAMMER TYPE: AUTOMATIC
STATIONING: 406+83
OFFSET: 35 FEET LEFT
ELEVATION (FEET): 57.7'
DATE: 07/09/2024
FLUID LOSS: NONE
CAVING: ℄ NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N	N-Value
				SILTY FINE SAND					
7.5	24			MEDIUM DENSE GRAY SILTY FINE SAND	SM		30	10	
	27						29	13	
9	30						27	14	
				LOOSE GRAY HIGHLY PLASTIC CLAYEY SAND	SC	-200%=46 LL=58 PI=32	61	3	
10.5	33						31	5	
	36			DENSE GRAY HIGHLY PLASTIC CLAYEY SAND	SC		24	26	
12	39			MEDIUM DENSE GRAY FINE SAND	SP-SM	-200%=8	25	22	
	42								

Wc (%) axis: 10, 20, 30, 40, 60
N-Value axis: 10, 20, 30, 40, 60, 80

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCK-6
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: ▽ 4.5' **24 HR:** ▼ 5.0'

HAMMER TYPE: AUTOMATIC
STATIONING: 406+96
OFFSET: 35 FEET RIGHT
ELEVATION (FEET): 60.0'
DATE: 07/09/2024
FLUID LOSS: NONE
CAVING: ℄ NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N
0	0							
				LOOSE GRAY SILTY FINE SAND	SM	ORG%= 1.9	31	--
						-200%=14 ORG%= 0.7	29	5
							27	8
	3						25	4
						-200%=19	23	4
1.5		▽ ▼					16	5
	6			VERY LOOSE BROWN AND GRAY PLASTIC CLAYEY SAND	SC	-200%=36 LL=47 PI=27	54	2
				LOOSE BROWN AND GRAY PLASTIC CLAYEY SAND	SC		41	7
3	9			MEDIUM DENSE BROWN AND GRAY PLASTIC CLAYEY SAND	SC		35	9
	12						28	10
						-200%=21	39	7
4.5	15			LOOSE BROWN AND GRAY SILTY FINE SAND	SM		33	3
	18						31	2
6				VERY LOOSE GRAY SILTY FINE SAND	SM	-200%=14	28	2
	21							

Wc (%) scale: 10, 20, 30, 40, 60
N-Value scale: 10, 20, 30, 40, 60, 80

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NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

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ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCK-6
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: ▽ 4.5' **24 HR:** ▼ 5.0'

HAMMER TYPE: AUTOMATIC
STATIONING: 406+96
OFFSET: 35 FEET RIGHT
ELEVATION (FEET): 60.0'
DATE: 07/09/2024
FLUID LOSS: NONE
CAVING: C NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N	N-Value
7.5	24			LOOSE GRAY SILTY FINE SAND	SM		28	3	
	27			MEDIUM DENSE GRAY SILTY FINE SAND	SM		26	12	
9				DENSE GRAY SILTY FINE SAND	SM	-200%=22	8	28	
	30			SOFT GRAY HIGHLY PLASTIC SANDY SILT	MH	-200%=60 LL=117 PI=69	45	2	
10.5	33						92	2	
	36			FIRM GRAY HIGHLY PLASTIC SANDY SILT	MH		33	4	
12	39			LOOSE GRAY MEDIUM SAND	SP-SM	-200%=6	37	6	
	42								

Wc (%) axis: 10, 20, 30, 40, 60
N-Value axis: 10, 20, 30, 40, 60, 80

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCP-1
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: 0.0' **24 HR:** N/M

HAMMER TYPE: AUGER
STATIONING: 54+06
OFFSET: 32 FEET LEFT
ELEVATION (FEET): 66.3'
DATE: 07/10/2024
FLUID LOSS: NONE
CAVING: NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N	N-Value
0	0					ORG%= 2.2	43	--	--
				LOOSE GRAY SILTY FINE SAND	SM	-200%=13 ORG%= 1.0	24	4	
							--	5	
	3								
1.5	6								
	9								
3									
	12								
4.5	15								
	18								
6	21								

Wc (%): 10 20 30 40 60
N-Value: 10 20 30 40 60 80

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCP-2
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: 0.0' **24 HR:** N/M
HAMMER TYPE: AUGER
STATIONING: 54+02
OFFSET: 28 FEET RIGHT
ELEVATION (FEET): 67.0'
DATE: 07/10/2024
FLUID LOSS: NONE
CAVING: NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N	N-Value
0	0			LOOSE BLACK MUCK	OL	ORG%= 24.0	202	--	--
				LOOSE DARK GRAY ORGANIC SILTY FINE SAND	SM	ORG%= 12.4	133	3	
					SC	-200%=48 LL=42 PI=23	37	3	
1.5	3			LOOSE DARK GRAY PLASTIC CLAYEY SAND WITH ORGANICS		ORG%= 2.5	--	4	
	6						--	5	
	9								
3	12								
4.5	15								
	18								
6	21								

Wc (%) scale: 10, 20, 30, 40, 60
N-Value scale: 10, 20, 30, 40, 60, 80

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCP-3
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: 0.0' **24 HR:** N/M

HAMMER TYPE: AUGER
STATIONING: 90+39
OFFSET: 51 FEET LEFT
ELEVATION (FEET): 67.2'
DATE: 07/09/2024
FLUID LOSS: NONE
CAVING: NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N	N-Value
0	0					ORG%= 0.8	28	--	--
				LOOSE GRAY FINE SAND	SP-SM	-200%=5 ORG%= 1.5	24	4	
							--	8	
	3								
1.5	6								
	9								
3									
	12								
4.5	15								
	18								
6	21								

Wc (%): 10 20 30 40 60
N-Value: 10 20 30 40 60 80

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NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCP-4
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: 0.0' **24 HR:** N/M **CAVING:** NONE

HAMMER TYPE: AUGER
STATIONING: 90+35
OFFSET: 47 FEET RIGHT
ELEVATION (FEET): 68.3'
DATE: 07/09/2024
FLUID LOSS: NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N	N-Value
0	0			LOOSE GRAY FINE SAND	SP-SM	ORG%= 0.5	37	--	--
						-200%=7 ORG%= 1.0	39	3	
	3					ORG%= 1.7	31	4	
							--	7	
1.5				MEDIUM DENSE GRAY FINE SAND	SP-SM		--	9	
	6								
	9								
3									
	12								
4.5	15								
	18								
6									
	21								

Wc (%): 10, 20, 30, 40, 60
N-Value: 10, 20, 30, 40, 60, 80

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCP-5
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: 0.0' **24 HR:** N/M **CAVING:** NONE

HAMMER TYPE: AUGER
STATIONING: 406+54
OFFSET: 37 FEET RIGHT
ELEVATION (FEET): 52.7'
DATE: 07/09/2024
FLUID LOSS: NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	Wc (%)	N	N-Value
0	0			LOOSE DARK GRAY FINE SAND WITH ORGANICS	SP-SM	ORG%= 4.9	49		--	--
				LOOSE GRAY FINE SAND	SP-SM	-200%=8 ORG%= 2.4	33		5	
						ORG%= 1.6	38		5	
	3						--	--	4	
				MEDIUM DENSE GRAY FINE SAND	SP-SM		--	--	9	
1.5	6									
	9									
3										
	12									
4.5	15									
	18									
6	21									

Wc (%) scale: 10, 20, 30, 40, 60
N-Value scale: 10, 20, 30, 40, 60, 80

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

PROJECT: CR 121 TO CR 119 BOX CULVERT EXTENSIONS
CLIENT: KIMLEY-HORN AND ASSOCIATES, INC
PROJECT NO.: 13-54-23-02
PROJECT LOCATION: NASSAU COUNTY, FLORIDA
BORING NO.: BCP-6
DRILLER: W. CHOMAT
DEPTH TO WATER: INITIAL: 0.0' **24 HR:** N/M

HAMMER TYPE: AUGER
STATIONING: 406+69
OFFSET: 36 FEET RIGHT
ELEVATION (FEET): 54.9'
DATE: 07/09/2024
FLUID LOSS: NONE
CAVING: NONE

DEPTH (METERS)	DEPTH (FEET)	SAMPLE	SYMBOL	DESCRIPTION	USCS	TEST RESULTS	Wc (%)	N	N-Value
0	0			LOOSE GRAY SILTY FINE SAND	SM	-200%=14	9 8	-- 4	
	3			MEDIUM DENSE GRAY SILTY FINE SAND	SM		14	9	
1.5	6								
3	9								
	12								
4.5	15								
6	18								
	21								

Wc (%) axis: 10, 20, 30, 40, 60
N-Value axis: 10, 20, 30, 40, 60, 80

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

NOTES: N/A MEANS NOT AVAILABLE
N/M MEANS NOT MEASURED

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

APPENDIX C

SOIL CLASSIFICATION DATA

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCK-1 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
0.0-0.5	32											--	SM	LOOSE GRAY SILTY FINE SAND
1.0-1.5	19	100	100	99	99	98	38	13				7	SM	LOOSE GRAY SILTY FINE SAND
2.0-2.5	18											7	SM	LOOSE GRAY SILTY FINE SAND
3.0-3.5	26											4	SM	LOOSE GRAY SILTY FINE SAND
4.0-4.5	28											3	SM	LOOSE GRAY SILTY FINE SAND
5.0-5.5	31											7	SM	LOOSE GRAY SILTY FINE SAND
6.0-7.5	28											12	SM	MEDIUM DENSE GRAY SILTY FINE SAND
7.5-9.0	25	100	100	100	99	99	30	13				12	SM	MEDIUM DENSE GRAY SILTY FINE SAND
9.0-10.5	22											9	SM	MEDIUM DENSE GRAY SILTY FINE SAND
10.5-12.0	24											14	SM	MEDIUM DENSE GRAY SILTY FINE SAND
12.5-14.0	39											10	SM	MEDIUM DENSE GRAY SILTY FINE SAND
15.0-16.5	40											8	SM	LOOSE GRAY SILTY FINE SAND
17.5-19.0	29											7	SM	LOOSE GRAY

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCK-1 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
														SILTY FINE SAND
20.0-21.5	39	100	100	100	99	98	88	52	41	20		8	CL	STIFF GRAY PLASTIC SANDY CLAY
22.5-24.0	33	100	100	100	99	99	81	32				11	SM	MEDIUM DENSE GRAY SILTY FINE SAND
25.0-26.5	31											6	SM	LOOSE GRAY SILTY FINE SAND
27.5-29.0	33											2	SM	VERY LOOSE GRAY SILTY FINE SAND
30.0-31.5	30											3	SM	LOOSE GRAY SILTY FINE SAND
32.5-34.0	38	100	100	100	100	99	87	48	36	16		5	SC	LOOSE GRAY CLAYEY SAND
35.0-36.5	29											5	SC	LOOSE GRAY CLAYEY SAND
38.0-40.0	30											7	SC	LOOSE GRAY CLAYEY SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCK-2 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
0.0-0.5	26											--	SP-SM	LOOSE GRAY FINE SAND
1.0-1.5	21	100	100	100	98	94	63	10				7	SP-SM	LOOSE GRAY FINE SAND
2.0-2.5	30	100	100	99	98	96	59	36	35	16		5	SC	LOOSE GRAY CLAYEY SAND
3.0-3.5	24											5	SM	LOOSE GRAY SILTY FINE SAND
4.0-4.5	23											7	SM	LOOSE GRAY SILTY FINE SAND
5.0-5.5	22	100	100	100	99	94	42	13				7	SM	LOOSE GRAY SILTY FINE SAND
6.0-7.5	28											9	SM	MEDIUM DENSE GRAY SILTY FINE SAND
7.5-9.0	31											8	SM	LOOSE GRAY SILTY FINE SAND
9.0-10.5	25											9	SM	MEDIUM DENSE GRAY SILTY FINE SAND
10.5-12.0	27											7	SM	LOOSE GRAY SILTY FINE SAND
12.5-14.0	28											10	SM	MEDIUM DENSE GRAY SILTY FINE SAND
15.0-16.5	28	100	100	100	100	99	50	21				7	SM	LOOSE GRAY SILTY FINE SAND
17.5-19.0	30											6	SM	LOOSE GRAY

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCK-2 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
														SILTY FINE SAND
20.0-21.5	32											4	SM	LOOSE GRAY SILTY FINE SAND
22.5-24.0	29											5	SM	LOOSE GRAY SILTY FINE SAND
25.0-26.5	31											3	SM	LOOSE GRAY SILTY FINE SAND
27.5-29.0	31	100	100	100	99	96	44	17				4	SM	LOOSE GRAY SILTY FINE SAND
30.0-31.5	30											3	SM	LOOSE GRAY SILTY FINE SAND
32.5-34.0	31											7	SM	LOOSE GRAY SILTY FINE SAND
35.0-36.5	28											4	SM	LOOSE GRAY SILTY FINE SAND
38.0-40.0	33	100	100	100	99	98	44	20				9	SM	MEDIUM DENSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCK-3 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
0.0-0.5	10											--	SM	LOOSE GRAY SILTY FINE SAND
1.0-1.5	10	99	99	99	99	97	43	14				8	SM	LOOSE GRAY SILTY FINE SAND
2.0-2.5	3											8	SM	LOOSE GRAY SILTY FINE SAND
3.0-3.5	8											7	SM	LOOSE GRAY SILTY FINE SAND
4.0-4.5	13	100	99	99	99	98	66	25			2.0	7	SM	LOOSE GRAY SILTY FINE SAND
5.0-5.5	16										2.8	8	SM	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS
6.0-7.5	28										1.8	11	SC	MEDIUM DENSE GRAY CLAYEY FINE SAND
7.5-9.0	25	100	100	100	99	99	81	30				16	SC	MEDIUM DENSE GRAY CLAYEY FINE SAND
9.0-10.5	27											9	SC	MEDIUM DENSE GRAY CLAYEY FINE SAND
10.5-12.0	31											8	SC	LOOSE GRAY CLAYEY FINE SAND
12.5-14.0	31											7	SC	LOOSE GRAY CLAYEY FINE SAND
15.0-16.5	28	100	100	100	100	100	94	52	65	45		3	CH	SOFT GRAY HIGHLY PLASTIC SANDY CLAY
17.5-19.0	35											5	CH	FIRM GRAY

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCK-3 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
														HIGHLY PLASTIC SANDY CLAY
20.0-21.5	31											4	CH	FIRM GRAY HIGHLY PLASTIC SANDY CLAY
22.5-24.0	38	100	100	100	100	99	77	31				4	SM	LOOSE GRAY SILTY FINE SAND
25.0-26.5	33											7	SM	LOOSE GRAY SILTY FINE SAND
27.5-29.0	36											6	SM	LOOSE GRAY SILTY FINE SAND
30.0-31.5	27	100	100	100	99	89	28	13				4	SM	LOOSE GRAY SILTY FINE SAND
32.5-34.0	28											4	SM	LOOSE GRAY SILTY FINE SAND
35.0-36.5	29											5	SM	LOOSE GRAY SILTY FINE SAND
38.0-40.0	22	100	100	100	100	99	27	16				8	SM	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCK-4 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
0.0-0.5	7											--	SM	LOOSE GRAY SILTY FINE SAND
1.0-1.5	14	100	100	100	100	99	77	28				5	SM	LOOSE GRAY SILTY FINE SAND
2.0-2.5	18											8	SM	LOOSE GRAY SILTY FINE SAND
3.0-3.5	24											7	SM	LOOSE GRAY SILTY FINE SAND
4.0-4.5	21	100	100	100	99	99	85	30	31	11		5	SC	LOOSE GRAY CLAYEY FINE SAND
5.0-5.5	23											5	SC	LOOSE GRAY CLAYEY FINE SAND
6.0-7.5	22											5	SC	LOOSE GRAY CLAYEY FINE SAND
7.5-9.0	22											7	SC	LOOSE GRAY CLAYEY FINE SAND
9.0-10.5	27											12	SC	MEDIUM DENSE GRAY CLAYEY FINE SAND
10.5-12.0	24	100	100	100	100	100	93	29				7	SC	LOOSE GRAY CLAYEY FINE SAND
12.5-14.0	22											3	SC	LOOSE GRAY CLAYEY FINE SAND
15.0-16.5	30	100	100	100	100	100	98	53	35	19		4	CL	FIRM GRAY SANDY CLAY
17.5-19.0	31											4	CL	FIRM GRAY

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCK-4 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
														SANDY CLAY
20.0-21.5	31											5	SM	LOOSE GRAY SILTY FINE SAND
22.5-24.0	47											3	CH	SOFT GRAY HIGHLY PLASTIC SANDY CLAY
25.0-26.5	29	100	100	100	100	99	84	64	51	28		6	CH	FIRM GRAY HIGHLY PLASTIC SANDY CLAY
27.5-29.0	21											6	CH	FIRM GRAY HIGHLY PLASTIC SANDY CLAY
30.0-31.5	26											4	CH	FIRM GRAY HIGHLY PLASTIC SANDY CLAY
32.5-34.0	29											6	CH	FIRM GRAY HIGHLY PLASTIC SANDY CLAY
35.0-36.5	26	100	100	100	99	98	40	28				8	SM	LOOSE GRAY SILTY FINE SAND
38.0-40.0	32											7	SM	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCK-5 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
0.0-0.5	9											--	SM	LOOSE GRAY SILTY FINE SAND
1.0-1.5	9	99	99	99	98	97	57	13				5	SM	LOOSE GRAY SILTY FINE SAND
2.0-2.5	5											8	SM	LOOSE GRAY SILTY FINE SAND
3.0-3.5	9										1.5	5	SM	LOOSE GRAY SILTY FINE SAND
4.0-4.5	25										4.1	7	SM	LOOSE DARK GRAY SILTY FINE SAND WITH ORGANICS
5.0-5.5	33										7.3	7	SM	LOOSE DARK GRAY ORGANIC SILTY FINE SAND
6.0-7.5	25										1.9	2	SM	VERY LOOSE GRAY SILTY FINE SAND
7.5-9.0	23	100	100	99	99	99	79	39	39	22	2.0	7	SC	LOOSE GRAY CLAYEY SAND
9.0-10.5	28											15	SC	MEDIUM DENSE GRAY CLAYEY SAND
10.5-12.0	31											7	SC	LOOSE GRAY CLAYEY SAND
12.5-14.0	36											4	SC	LOOSE GRAY CLAYEY SAND
15.0-16.5	34											2	SC	VERY LOOSE GRAY CLAYEY SAND
17.5-19.0	32											2	SC	VERY LOOSE GRAY

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCK-5 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
														CLAYEY SAND
20.0-21.5	29	100	100	100	98	92	44	14				3	SM	LOOSE GRAY SILTY FINE SAND
22.5-24.0	30											10	SM	MEDIUM DENSE GRAY SILTY FINE SAND
25.0-26.5	29											13	SM	MEDIUM DENSE GRAY SILTY FINE SAND
27.5-29.0	27											14	SM	MEDIUM DENSE GRAY SILTY FINE SAND
30.0-31.5	61	100	99	95	88	78	67	46	58	32		3	SC	LOOSE GRAY HIGHLY PLASTIC CLAYEY SAND
32.5-34.0	31											5	SC	LOOSE GRAY HIGHLY PLASTIC CLAYEY SAND
35.0-36.5	24											26	SC	DENSE GRAY HIGHLY PLASTIC CLAYEY SAND
38.0-40.0	25	99	99	96	88	44	14	8				22	SP-SM	MEDIUM DENSE GRAY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCK-6 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
0.0-0.5	31										1.9	--	SM	LOOSE GRAY SILTY FINE SAND
1.0-1.5	29	99	98	97	96	95	59	14			0.7	5	SM	LOOSE GRAY SILTY FINE SAND
2.0-2.5	27											8	SM	LOOSE GRAY SILTY FINE SAND
3.0-3.5	25											4	SM	LOOSE GRAY SILTY FINE SAND
4.0-4.5	23	100	100	100	99	99	77	19				4	SM	LOOSE GRAY SILTY FINE SAND
5.0-5.5	16											5	SM	LOOSE GRAY SILTY FINE SAND
6.0-7.5	54	100	100	100	99	98	84	36	47	27		2	SC	VERY LOOSE BROWN AND GRAY PLASTIC CLAYEY SAND
7.5-9.0	41											7	SC	LOOSE BROWN AND GRAY PLASTIC CLAYEY SAND
9.0-10.5	35											9	SC	MEDIUM DENSE BROWN AND GRAY PLASTIC CLAYEY SAND
10.5-12.0	28											10	SC	MEDIUM DENSE BROWN AND GRAY PLASTIC CLAYEY SAND
12.5-14.0	39	100	100	100	100	99	48	21				7	SM	LOOSE BROWN AND GRAY SILTY FINE SAND
15.0-16.5	33											3	SM	LOOSE GRAY SILTY FINE SAND
17.5-19.0	31											2	SM	VERY LOOSE GRAY

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCK-6 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
														SILTY FINE SAND
20.0-21.5	28	100	100	100	99	98	40	14				2	SM	VERY LOOSE GRAY SILTY FINE SAND
22.5-24.0	28											3	SM	LOOSE GRAY SILTY FINE SAND
25.0-26.5	26											12	SM	MEDIUM DENSE GRAY SILTY FINE SAND
27.5-29.0	8	100	100	100	99	97	38	22				28	SM	DENSE GRAY SILTY FINE SAND
30.0-31.5	45	100	100	100	99	99	96	60	117	69		2	MH	SOFT GRAY HIGHLY PLASTIC SANDY SILT
32.5-34.0	92											2	MH	SOFT GRAY HIGHLY PLASTIC SANDY SILT
35.0-36.5	33											4	MH	FIRM GRAY HIGHLY PLASTIC SANDY SILT
38.0-40.0	37	100	99	83	38	16	9	6				6	SP-SM	LOOSE GRAY MEDIUM SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCP-1 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
0.0-0.5	43										2.2	--	SM	LOOSE GRAY SILTY FINE SAND
1.0-1.5	24	98	98	98	96	92	56	13			1.0	4	SM	LOOSE GRAY SILTY FINE SAND
2.0-2.5	--											5	SM	LOOSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCP-2 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
0.0-0.5	202										24.0	--	OL	LOOSE BLACK MUCK
1.0-1.5	133										12.4	3	SM	LOOSE DARK GRAY ORGANIC SILTY FINE SAND
2.0-2.5	37	100	100	99	98	96	82	48	42	23	2.5	3	SC	LOOSE DARK GRAY PLASTIC CLAYEY SAND WITH ORGANICS
3.0-3.5	--											4	SC	LOOSE GRAY PLASTIC CLAYEY SAND
4.0-4.5	--											5	SC	LOOSE GRAY PLASTIC CLAYEY SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCP-3 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
0.0-0.5	28										0.8	--	SP-SM	LOOSE GRAY FINE SAND
1.0-1.5	24	88	88	88	87	83	44	5			1.5	4	SP-SM	LOOSE GRAY FINE SAND
2.0-2.5	--											8	SP-SM	LOOSE GRAY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCP-4 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
0.0-0.5	37										0.5	--	SP-SM	LOOSE GRAY FINE SAND
1.0-1.5	39	99	98	98	97	95	32	7			1.0	3	SP-SM	LOOSE GRAY FINE SAND
2.0-2.5	31										1.7	4	SP-SM	LOOSE GRAY FINE SAND
3.0-3.5	--											7	SP-SM	LOOSE GRAY FINE SAND
4.0-4.5	--											9	SP-SM	MEDIUM DENSE GRAY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCP-5 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
0.0-0.5	49										4.9	--	SP-SM	LOOSE DARK GRAY FINE SAND WITH ORGANICS
1.0-1.5	33	94	93	92	90	89	58	8			2.4	5	SP-SM	LOOSE GRAY FINE SAND
2.0-2.5	38										1.6	5	SP-SM	LOOSE GRAY FINE SAND
3.0-3.5	--											4	SP-SM	LOOSE GRAY FINE SAND
4.0-4.5	--											9	SP-SM	MEDIUM DENSE GRAY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

SOIL CLASSIFICATION DATA

Project: CR 121 TO CR 119 BOX CULVERT EXTENSIONS

Client: KIMLEY-HORN AND ASSOCIATES, INC **Project No.: 13-54-23-02**

Boring: BCP-6 **Location: NASSAU COUNTY, FLORIDA**

DEPTH (FEET)	Wc (%)	-4 (%)	-10 (%)	-20 (%)	-40 (%)	-60 (%)	-100 (%)	-200 (%)	LL	PI	Org. (%)	N Value	USCS	Description
0.0-0.5	9											--	SM	LOOSE GRAY SILTY FINE SAND
1.0-1.5	8	100	100	99	98	96	60	14				4	SM	LOOSE GRAY SILTY FINE SAND
2.0-2.5	14											9	SM	MEDIUM DENSE GRAY SILTY FINE SAND

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

APPENDIX D

GRAIN-SIZE DISTRIBUTION CURVES

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MECHANICAL GRAIN-SIZE ANALYSIS
(ASTM D1140-54)

TEST INFORMATION:

PROJECT NO.: 13-54-23-02 **DATE:** 8/8/2024

BORING NO.: BCP-1 **DEPTH:** 1.0 - 1.5 (FEET)

SOIL DESCRIPTION: SILTY FINE SAND (SM)

TEST RESULTS:

Sieve No.	Diameter (Millimeters)	Percent Passing (%)
4	4.750	98
10	2.000	98
20	0.850	98
40	0.425	96
60	0.250	92
100	0.150	56
200	0.075	13

NOTE: THE FOLLOWING VALUES ARE ESTIMATED FROM THE GRAIN-SIZE DATA

* D_{10} = 0.065 mm

D_{50} = 0.14 mm

D_{60} = 0.16 mm

D_{85} = 0.21 mm

C_u = 2.5

Where:
N/A = Not Available
***** = Estimated Value
Cu = Coefficient Of Uniformity

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MECHANICAL GRAIN-SIZE ANALYSIS
(ASTM D1140-54)

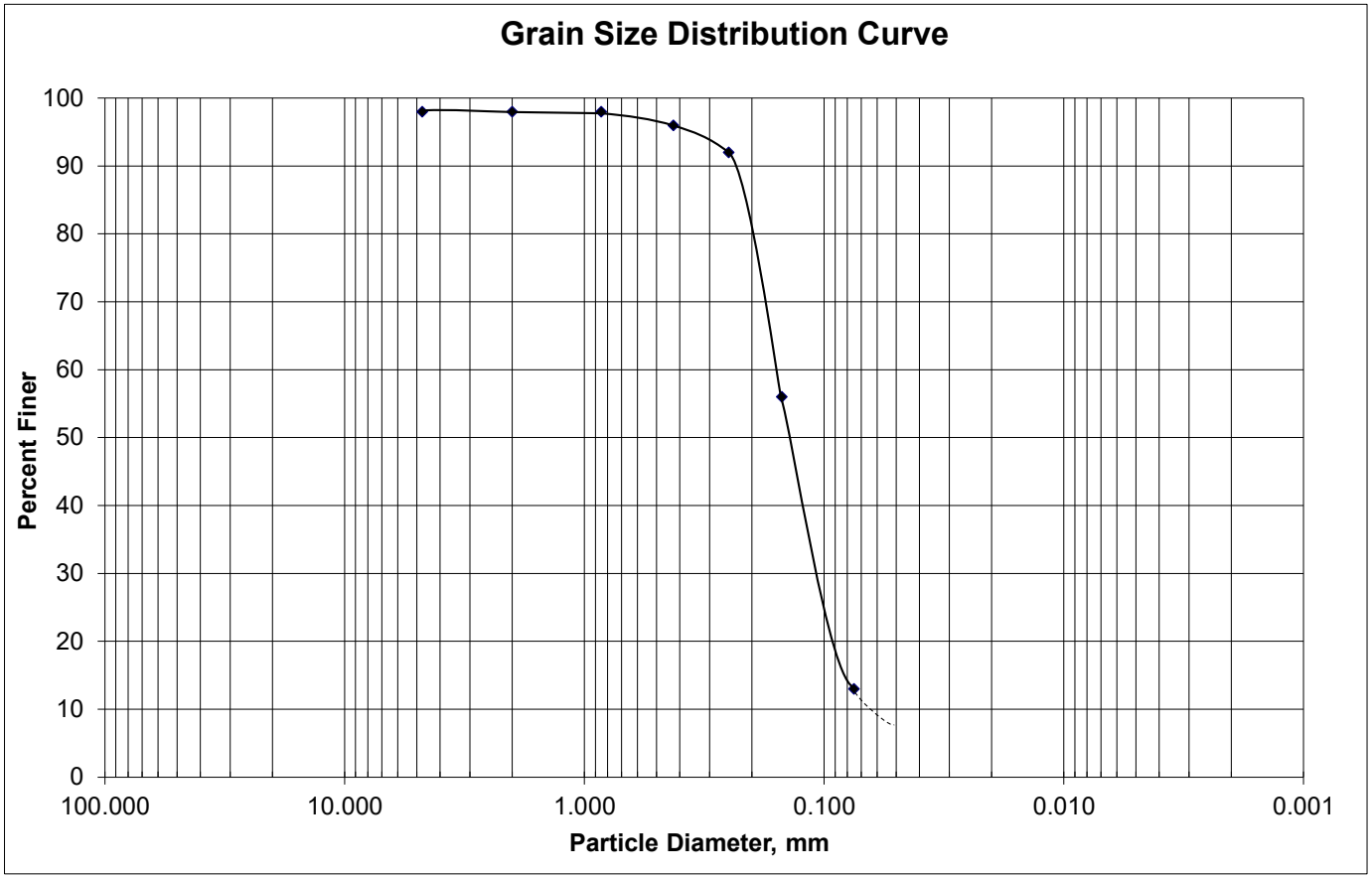
TEST INFORMATION:

PROJECT NO.: 13-54-23-02 **DATE:** 8/8/2024

BORING NO.: BCP-1 **DEPTH:** 1.0 - 1.5 (FEET)

SOIL DESCRIPTION: SILTY FINE SAND
(SM)

GRAPHICAL REPRESENTATION OF TEST RESULTS



ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MECHANICAL GRAIN-SIZE ANALYSIS
(ASTM D1140-54)

TEST INFORMATION:

PROJECT NO.: 13-54-23-02 **DATE:** 8/8/2024

BORING NO.: BCP-2 **DEPTH:** 2.0 - 2.5 (FEET)

SOIL DESCRIPTION: PLASTIC CLAYEY SAND WITH ORGANICS (SC)

TEST RESULTS:

Sieve No.	Diameter (Millimeters)	Percent Passing (%)
4	4.750	100
10	2.000	100
20	0.850	99
40	0.425	98
60	0.250	96
100	0.150	82
200	0.075	48

NOTE: THE FOLLOWING VALUES ARE ESTIMATED FROM THE GRAIN-SIZE DATA

* D_{10} = 0.018 mm

D_{50} = 0.080 mm

D_{60} = 0.10 mm

D_{85} = 0.17 mm

C_u = 5.6

Where:
N/A = Not Available
***** = Estimated Value
Cu = Coefficient Of Uniformity

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MECHANICAL GRAIN-SIZE ANALYSIS
(ASTM D1140-54)

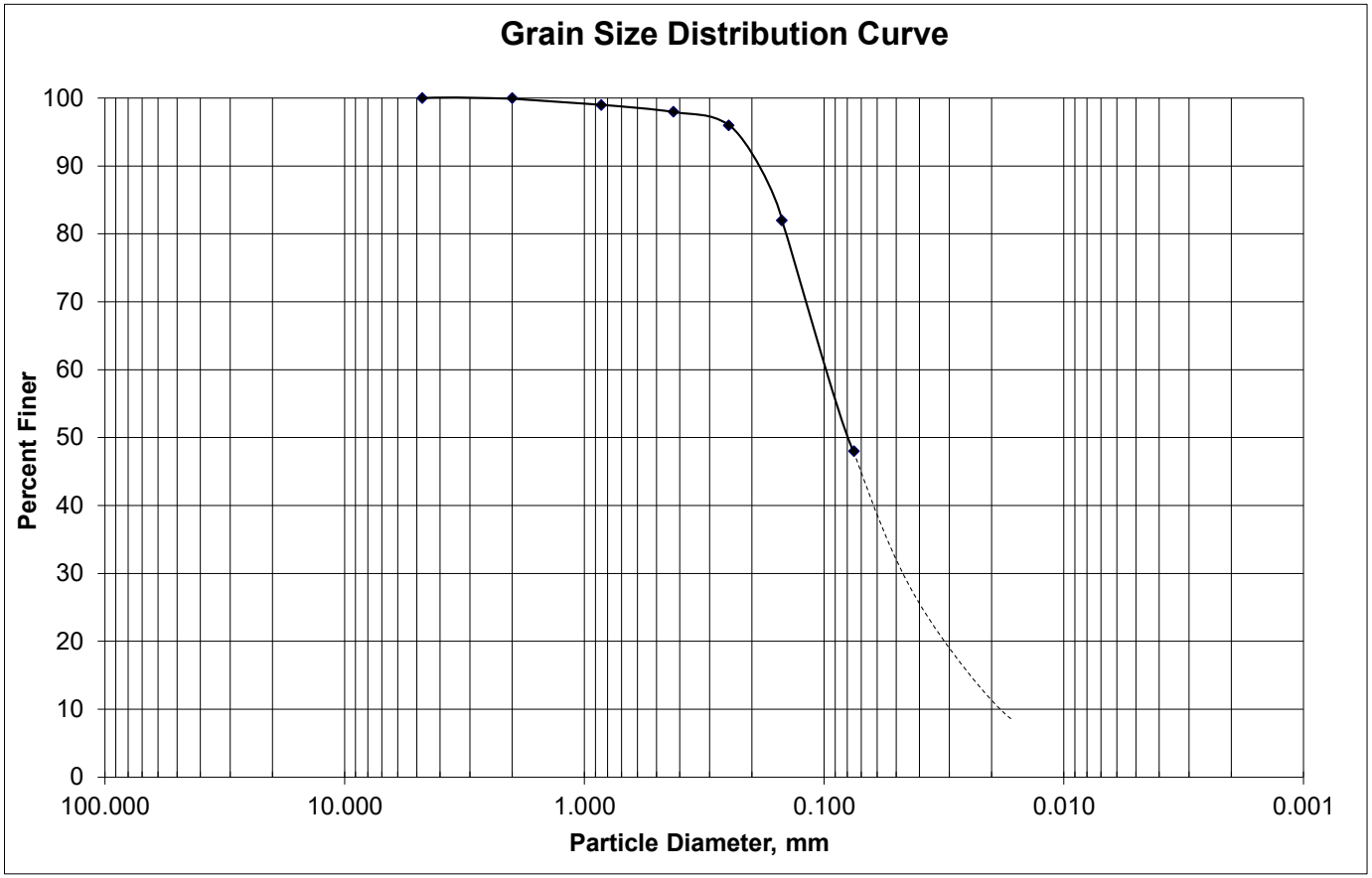
TEST INFORMATION:

PROJECT NO.: 13-54-23-02 **DATE:** 8/8/2024

BORING NO.: BCP-2 **DEPTH:** 2.0 - 2.5 (FEET)

SOIL DESCRIPTION: PLASTIC CLAYEY SAND WITH ORGANICS
(SC)

GRAPHICAL REPRESENTATION OF TEST RESULTS



ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MECHANICAL GRAIN-SIZE ANALYSIS
(ASTM D1140-54)

TEST INFORMATION:

PROJECT NO.: 13-54-23-02 **DATE:** 8/8/2024

BORING NO.: BCP-3 **DEPTH:** 1.0 - 1.5 (FEET)

SOIL DESCRIPTION: FINE SAND (SP-SM)

TEST RESULTS:

Sieve No.	Diameter (Millimeters)	Percent Passing (%)
4	4.750	88
10	2.000	88
20	0.850	88
40	0.425	87
60	0.250	83
100	0.150	44
200	0.075	5

NOTE: THE FOLLOWING VALUES ARE ESTIMATED FROM THE GRAIN-SIZE DATA

D_{10} = 0.090 mm

D_{50} = 0.17 mm

D_{60} = 0.18 mm

D_{85} = 0.28 mm

C_u = 2.0

Where:
N/A = Not Available
***** = Estimated Value
Cu = Coefficient Of Uniformity

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MECHANICAL GRAIN-SIZE ANALYSIS
(ASTM D1140-54)

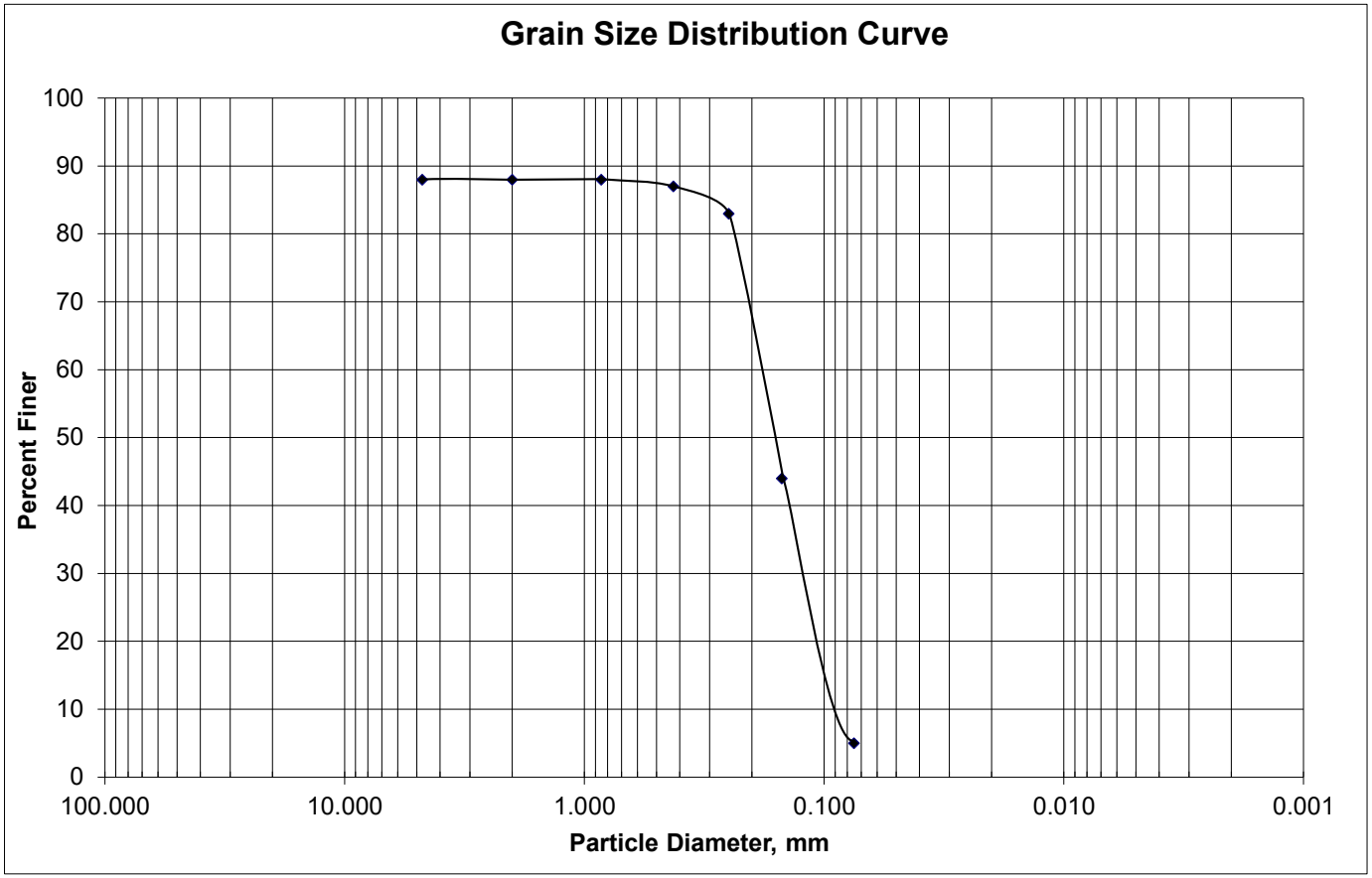
TEST INFORMATION:

PROJECT NO.: 13-54-23-02 **DATE:** 8/8/2024

BORING NO.: BCP-3 **DEPTH:** 1.0 - 1.5 (FEET)

SOIL DESCRIPTION: FINE SAND
(SP-SM)

GRAPHICAL REPRESENTATION OF TEST RESULTS



ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MECHANICAL GRAIN-SIZE ANALYSIS
(ASTM D1140-54)

TEST INFORMATION:

PROJECT NO.: 13-54-23-02 **DATE:** 8/8/2024

BORING NO.: BCP-4 **DEPTH:** 1.0 - 1.5 (FEET)

SOIL DESCRIPTION: FINE SAND (SP-SM)

TEST RESULTS:

Sieve No.	Diameter (Millimeters)	Percent Passing (%)
4	4.750	99
10	2.000	98
20	0.850	98
40	0.425	97
60	0.250	95
100	0.150	32
200	0.075	7

NOTE: THE FOLLOWING VALUES ARE ESTIMATED FROM THE GRAIN-SIZE DATA

D_{10} = 0.090 mm

D_{50} = 0.17 mm

D_{60} = 0.18 mm

D_{85} = 0.21 mm

C_u = 2.0

Where:
N/A = Not Available
***** = Estimated Value
Cu = Coefficient Of Uniformity

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MECHANICAL GRAIN-SIZE ANALYSIS
(ASTM D1140-54)

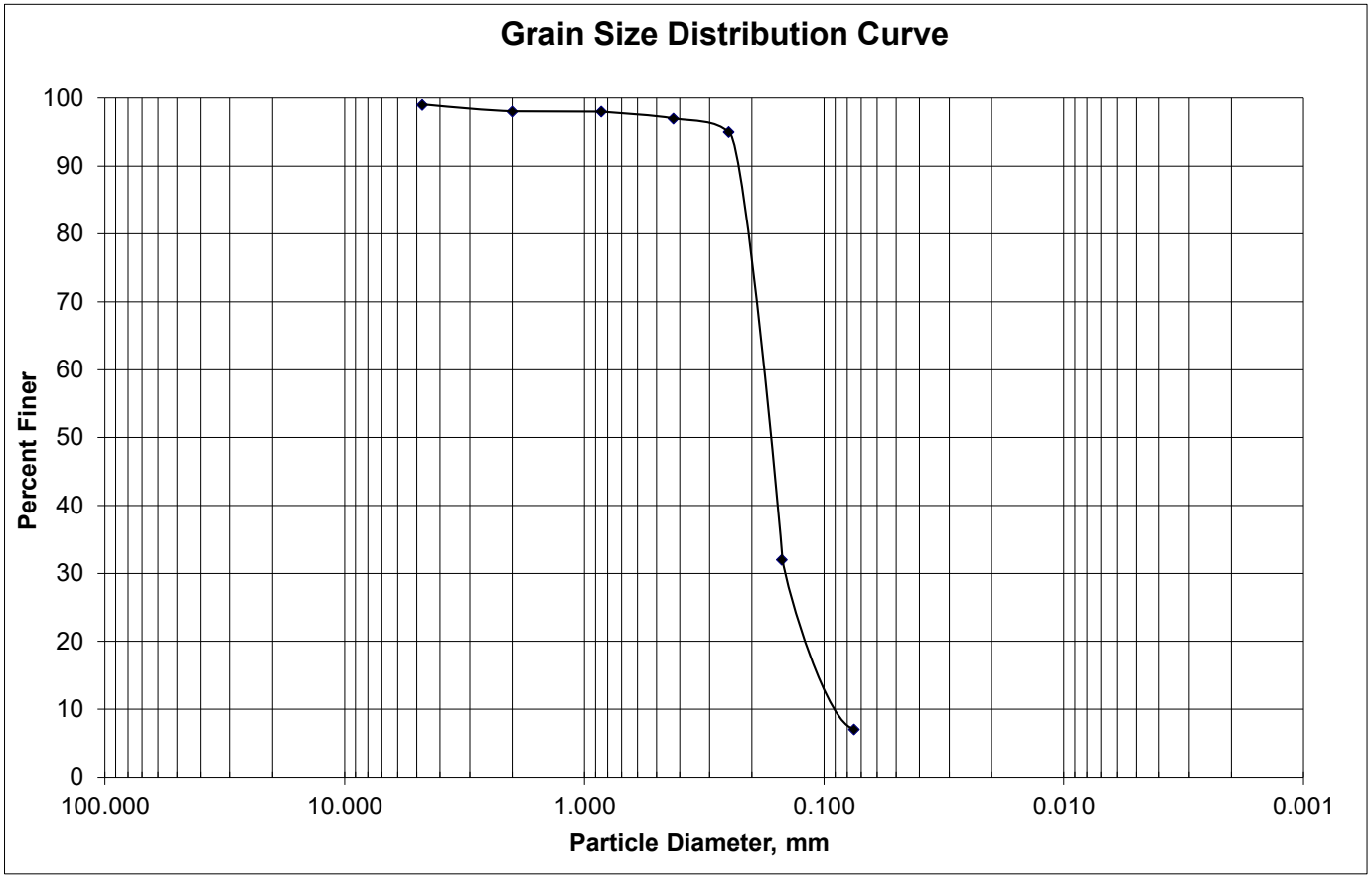
TEST INFORMATION:

PROJECT NO.: 13-54-23-02 **DATE:** 8/8/2024

BORING NO.: BCP-4 **DEPTH:** 1.0 - 1.5 (FEET)

SOIL DESCRIPTION: FINE SAND (SP-SM)

GRAPHICAL REPRESENTATION OF TEST RESULTS



ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MECHANICAL GRAIN-SIZE ANALYSIS
(ASTM D1140-54)

TEST INFORMATION:

PROJECT NO.: 13-54-23-02 **DATE:** 8/8/2024

BORING NO.: BCP-5 **DEPTH:** 1.0 - 1.5 (FEET)

SOIL DESCRIPTION: FINE SAND (SP-SM)

TEST RESULTS:

Sieve No.	Diameter (Millimeters)	Percent Passing (%)
4	4.750	94
10	2.000	93
20	0.850	92
40	0.425	90
60	0.250	89
100	0.150	58
200	0.075	8

NOTE: THE FOLLOWING VALUES ARE ESTIMATED FROM THE GRAIN-SIZE DATA

D_{10} = 0.080 mm

D_{50} = 0.14 mm

D_{60} = 0.16 mm

D_{85} = 0.22 mm

C_u = 2.0

Where:
N/A = Not Available
***** = Estimated Value
Cu = Coefficient Of Uniformity

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MECHANICAL GRAIN-SIZE ANALYSIS
(ASTM D1140-54)

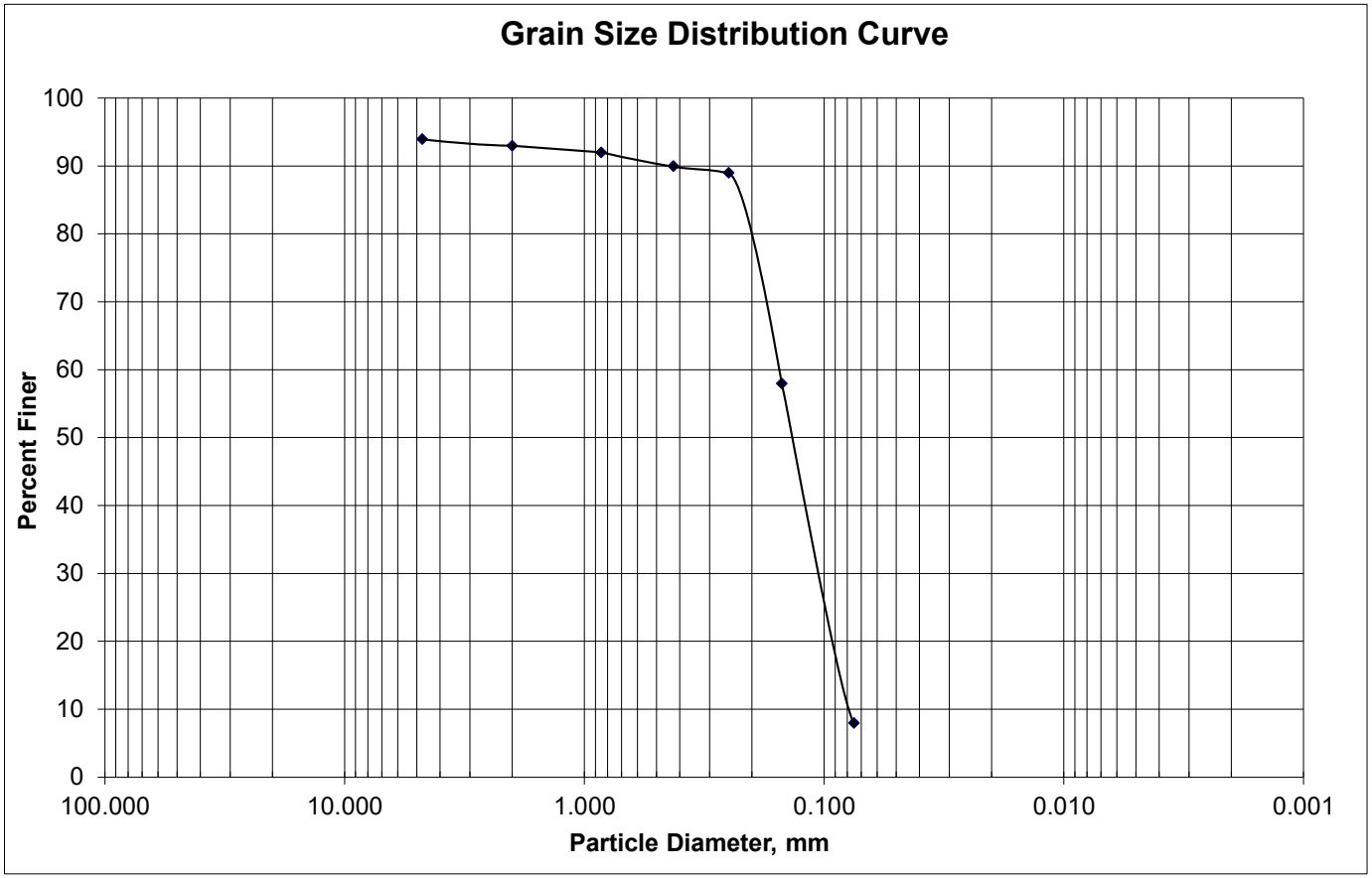
TEST INFORMATION:

PROJECT NO.: 13-54-23-02 **DATE:** 8/8/2024

BORING NO.: BCP-5 **DEPTH:** 1.0 - 1.5 (FEET)

SOIL DESCRIPTION: FINE SAND
(SP-SM)

GRAPHICAL REPRESENTATION OF TEST RESULTS



ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MECHANICAL GRAIN-SIZE ANALYSIS
(ASTM D1140-54)

TEST INFORMATION:

PROJECT NO.: 13-54-23-02 **DATE:** 8/8/2024

BORING NO.: BCP-6 **DEPTH:** 1.0 - 1.5 (FEET)

SOIL DESCRIPTION: SILTY FINE SAND (SM)

TEST RESULTS:

Sieve No.	Diameter (Millimeters)	Percent Passing (%)
4	4.750	100
10	2.000	100
20	0.850	99
40	0.425	98
60	0.250	96
100	0.150	60
200	0.075	14

NOTE: THE FOLLOWING VALUES ARE ESTIMATED FROM THE GRAIN-SIZE DATA

* D_{10} = 0.065 mm

D_{50} = 0.14 mm

D_{60} = 0.15 mm

D_{85} = 0.20 mm

C_u = 2.3

Where:
N/A = Not Available
***** = Estimated Value
Cu = Coefficient Of Uniformity

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

MECHANICAL GRAIN-SIZE ANALYSIS
(ASTM D1140-54)

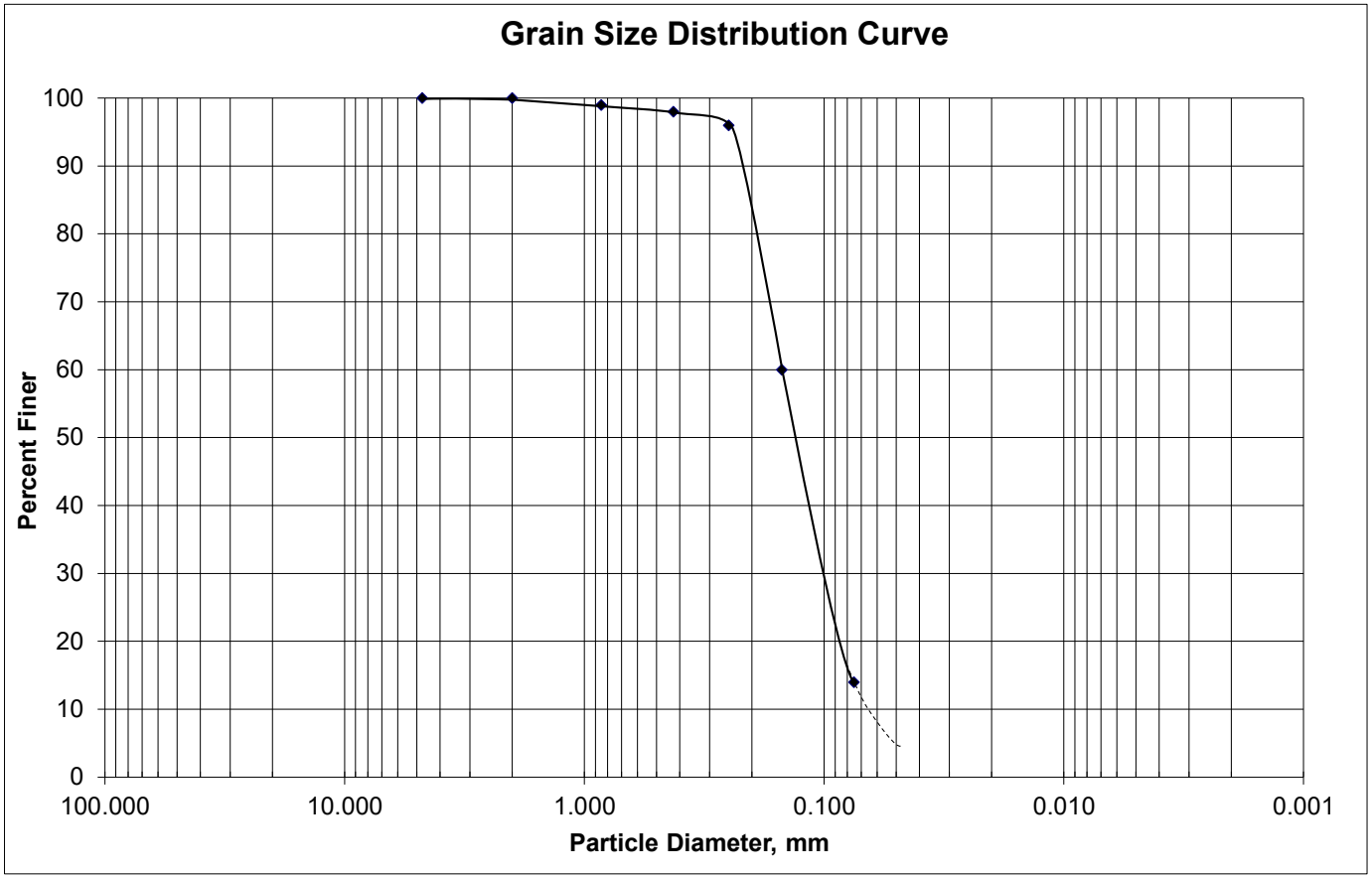
TEST INFORMATION:

PROJECT NO.: 13-54-23-02 **DATE:** 8/8/2024

BORING NO.: BCP-6 **DEPTH:** 1.0 - 1.5 (FEET)

SOIL DESCRIPTION: SILTY FINE SAND
(SM)

GRAPHICAL REPRESENTATION OF TEST RESULTS



ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

APPENDIX E

SAMPLE CALCULATIONS

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

BEARING CAPACITY CALCULATIONS

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

CULVERT EXTENSION SHALLOW FOUNDATION BEARING CAPACITY CALCULATIONS SOIL BORINGS BCK-1 AND BCK-2

BEARING SURFACE PROPERTIES

COARSE AGGREGATE UNDERLAIN BY LOOSE to MEDIUM DENSE SILTY FINE SAND (SM)

$N_{cor} := 11$ $\phi := 35 \cdot deg$ $c := 0 \cdot \frac{lb}{ft^2}$ $D_w := 0 \cdot ft$ $\gamma := 52.6 \cdot \frac{lb}{ft^3}$

N_{cor} = Corrected N-Value
ϕ = Soil Angle of Friction
D_w = Depth to Design Water
γ = Effective Unit Weight
c = Undrained Shear Strength
B = Foundation Width
L = Foundation Length
D_f = Depth of Foundation
d_q = Depth Correction Factor

FOUNDATION PARAMETERS (Approximate)

$B := 8 \cdot ft$ $L := 50 \cdot ft$ $D_f := 0.5 \cdot ft$ $d_q := 1$ $C_{w\gamma} := 0.5$ $C_{wq} := 0.5$

BEARING CAPACITY INDEX FACTORS

See AASHTO LRFD Bridge Specifications (10.6.3.1.2) for Bearing Capacity Index Factors and Theory.

$N_q := 33.3$ $N_\gamma := 48.0$ $N_c := 46.1$

$s_q := 1 + \left(\frac{B}{L}\right) \cdot \tan(\phi)$ $s_\gamma := 1 - 0.4 \cdot \left(\frac{B}{L}\right)$ $s_c := 1 + \left(\frac{B}{L}\right) \cdot \left(\frac{N_q}{N_c}\right)$

$s_q = 1.1$ $s_\gamma = 0.9$ $s_c = 1.1$

NOTE: Inclination factors not applicable.

LATERAL SOIL PROPERTIES

$K_a := \frac{1 - \sin(\phi)}{1 + \sin(\phi)}$ $K_a = 0.27$ $K_p := \frac{1 + \sin(\phi)}{1 - \sin(\phi)}$ $K_p = 3.69$

MODULUS OF SUBGRADE REACTION (Scott 1981)

$K_s := 6 \cdot N_{cor} \cdot \frac{ton}{ft^3}$ $\boxed{K_s = 132000 \frac{lb}{ft^3}}$ **<~** *Modulus of Subgrade Reaction*

ALLOWABLE BEARING RESISTANCE (Munfakh 2001)

$q_{n_munfakh} := c \cdot N_c \cdot s_c + \gamma \cdot D_f \cdot N_q \cdot s_q \cdot d_q \cdot C_{wq} + 0.5 \cdot \gamma \cdot B \cdot N_\gamma \cdot s_\gamma \cdot C_{w\gamma}$

$q_{n_munfakh} = 5213.4\,psf$

$\phi_b := 0.45$ **<~** *Resistance Factor (LRFD)*

$q_{a_munfakh} := \phi_b \cdot q_{n_munfakh}$

$q_{a_munfakh} = 2346\,psf$ **<~** *Allowable Bearing Resistance*

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

CULVERT EXTENSION SHALLOW FOUNDATION BEARING CAPACITY CALCULATIONS SOIL BORINGS BCK-3 AND BCK-4

BEARING SURFACE PROPERTIES

COARSE AGGREGATE UNDERLAIN BY LOOSE to MEDIUM DENSE SILTY FINE to CLAYEY FINE SAND (SM to SC)

$N_{cor} := 10$ $\phi := 35 \cdot deg$ $c := 0 \cdot \frac{lb}{ft^2}$ $D_w := 0 \cdot ft$ $\gamma := 52.6 \cdot \frac{lb}{ft^3}$

N_{cor} = Corrected N-Value
ϕ = Soil Angle of Friction
D_w = Depth to Design Water
γ = Effective Unit Weight
c = Undrained Shear Strength
B = Foundation Width
L = Foundation Length
D_f = Depth of Foundation
d_q = Depth Correction Factor

FOUNDATION PARAMETERS (Approximate)

$B := 8 \cdot ft$ $L := 10 \cdot ft$ $D_f := 0.5 \cdot ft$ $d_q := 1$ $C_{w\gamma} := 0.5$ $C_{wq} := 0.5$

BEARING CAPACITY INDEX FACTORS

See AASHTO LRFD Bridge Specifications (10.6.3.1.2) for Bearing Capacity Index Factors and Theory.

$N_q := 33.3$ $N_\gamma := 48.0$ $N_c := 46.1$

$s_q := 1 + \left(\frac{B}{L}\right) \cdot \tan(\phi)$ $s_\gamma := 1 - 0.4 \cdot \left(\frac{B}{L}\right)$ $s_c := 1 + \left(\frac{B}{L}\right) \cdot \left(\frac{N_q}{N_c}\right)$

$s_q = 1.6$ $s_\gamma = 0.7$ $s_c = 1.6$

NOTE: Inclination factors not applicable.

LATERAL SOIL PROPERTIES

$K_a := \frac{1 - \sin(\phi)}{1 + \sin(\phi)}$ $K_a = 0.27$ $K_p := \frac{1 + \sin(\phi)}{1 - \sin(\phi)}$ $K_p = 3.69$

MODULUS OF SUBGRADE REACTION (Scott 1981)

$K_s := 6 \cdot N_{cor} \cdot \frac{ton}{ft^3}$ $\boxed{K_s = 120000 \frac{lb}{ft^3}}$ **<~** *Modulus of Subgrade Reaction*

ALLOWABLE BEARING RESISTANCE (Munfakh 2001)

$q_{n_munfakh} := c \cdot N_c \cdot s_c + \gamma \cdot D_f \cdot N_q \cdot s_q \cdot d_q \cdot C_{wq} + 0.5 \cdot \gamma \cdot B \cdot N_\gamma \cdot s_\gamma \cdot C_{w\gamma}$

$q_{n_munfakh} = 4116.9\,psf$

$\phi_b := 0.45$ **<~** *Resistance Factor (LRFD)*

$q_{a_munfakh} := \phi_b \cdot q_{n_munfakh}$

$q_{a_munfakh} = 1853\,psf$ **<~** *Allowable Bearing Resistance*

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

CULVERT EXTENSION SHALLOW FOUNDATION BEARING CAPACITY CALCULATIONS SOIL BORINGS BCK-5 AND BCK-6

BEARING SURFACE PROPERTIES

COARSE AGGREGATE UNDERLAIN BY LOOSE SILTY FINE SAND (SM)

$N_{cor} := 7$ $\phi := 35 \cdot deg$ $c := 0 \cdot \frac{lb}{ft^2}$ $D_w := 0 \cdot ft$ $\gamma := 47.6 \cdot \frac{lb}{ft^3}$

N_{cor} = Corrected N-Value
ϕ = Soil Angle of Friction
D_w = Depth to Design Water
γ = Effective Unit Weight
c = Undrained Shear Strength
B = Foundation Width
L = Foundation Length
D_f = Depth of Foundation
d_q = Depth Correction Factor

FOUNDATION PARAMETERS (Approximate)

$B := 8 \cdot ft$ $L := 60 \cdot ft$ $D_f := 0.5 \cdot ft$ $d_q := 1$ $C_{w\gamma} := 0.5$ $C_{wq} := 0.5$

BEARING CAPACITY INDEX FACTORS

See AASHTO LRFD Bridge Specifications (10.6.3.1.2) for Bearing Capacity Index Factors and Theory.

$N_q := 33.3$ $N_\gamma := 48.0$ $N_c := 46.1$

$s_q := 1 + \left(\frac{B}{L}\right) \cdot \tan(\phi)$ $s_\gamma := 1 - 0.4 \cdot \left(\frac{B}{L}\right)$ $s_c := 1 + \left(\frac{B}{L}\right) \cdot \left(\frac{N_q}{N_c}\right)$

$s_q = 1.1$ $s_\gamma = 0.9$ $s_c = 1.1$

NOTE: Inclination factors not applicable.

LATERAL SOIL PROPERTIES

$K_a := \frac{1 - \sin(\phi)}{1 + \sin(\phi)}$ $K_a = 0.27$ $K_p := \frac{1 + \sin(\phi)}{1 - \sin(\phi)}$ $K_p = 3.69$

MODULUS OF SUBGRADE REACTION (Scott 1981)

$K_s := 6 \cdot N_{cor} \cdot \frac{ton}{ft^3}$ $\boxed{K_s = 84000 \frac{lb}{ft^3}}$ **<~** *Modulus of Subgrade Reaction*

ALLOWABLE BEARING RESISTANCE (Munfakh 2001)

$q_{n_munfakh} := c \cdot N_c \cdot s_c + \gamma \cdot D_f \cdot N_q \cdot s_q \cdot d_q \cdot C_{wq} + 0.5 \cdot \gamma \cdot B \cdot N_\gamma \cdot s_\gamma \cdot C_{w\gamma}$

$q_{n_munfakh} = 4759.2\,psf$

$\phi_b := 0.45$ **<~** *Resistance Factor (LRFD)*

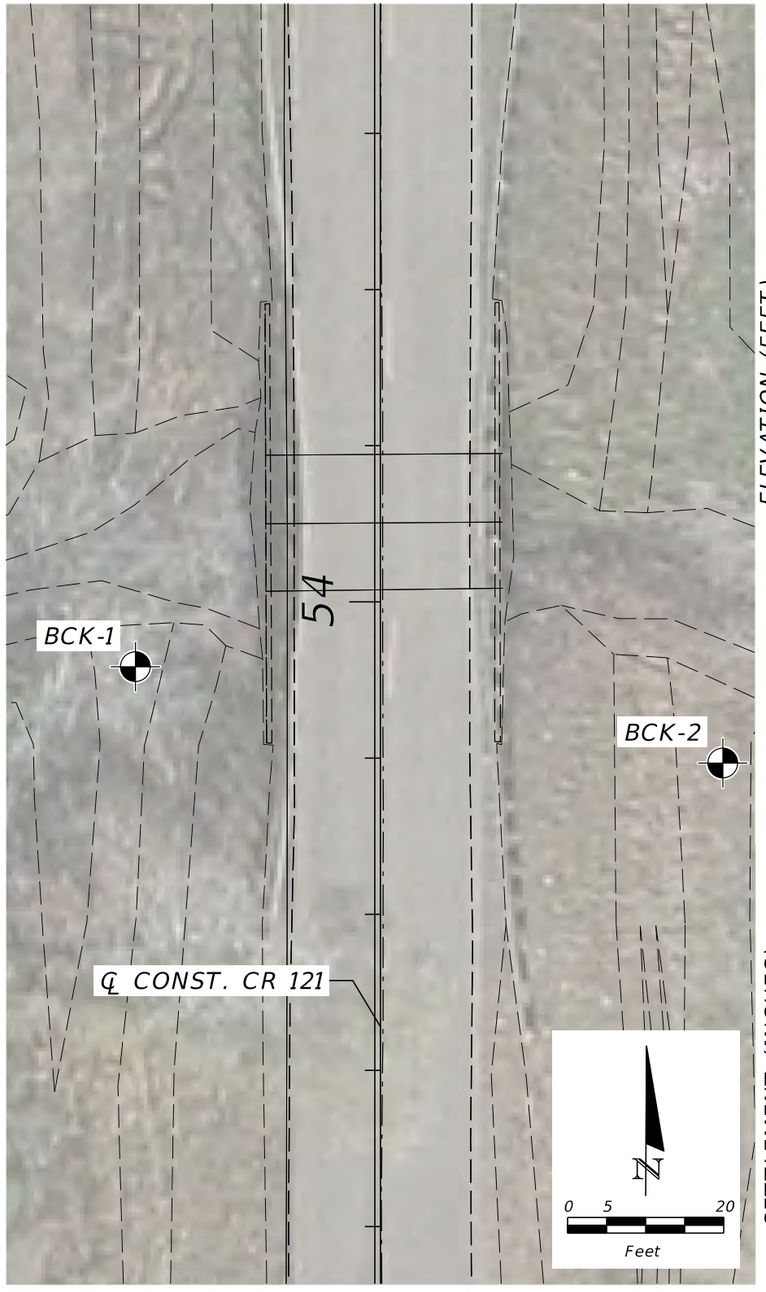
$q_{a_munfakh} := \phi_b \cdot q_{n_munfakh}$

$q_{a_munfakh} = 2142\,psf$ **<~** *Allowable Bearing Resistance*

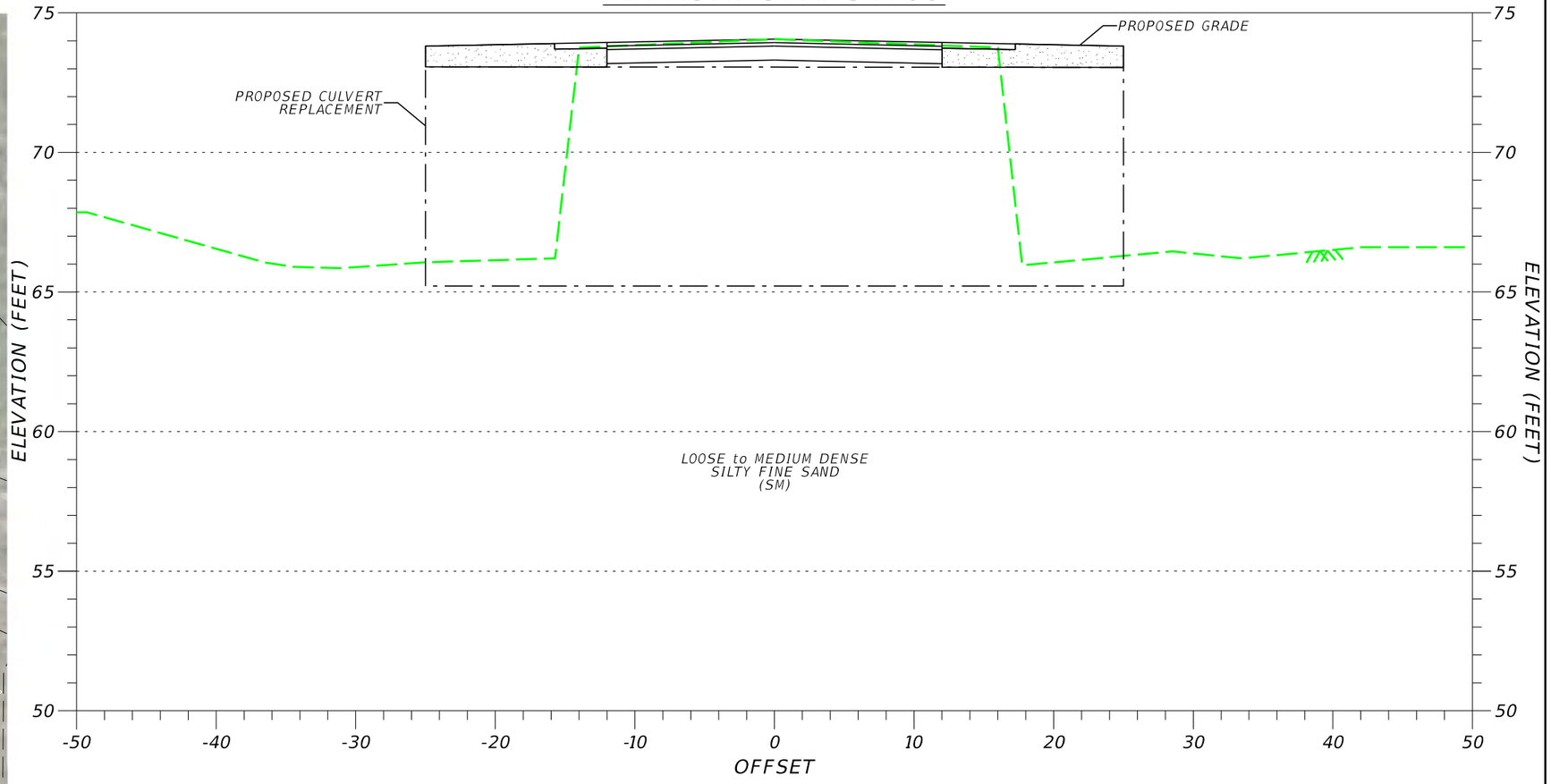
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SETTLEMENT CALCULATIONS

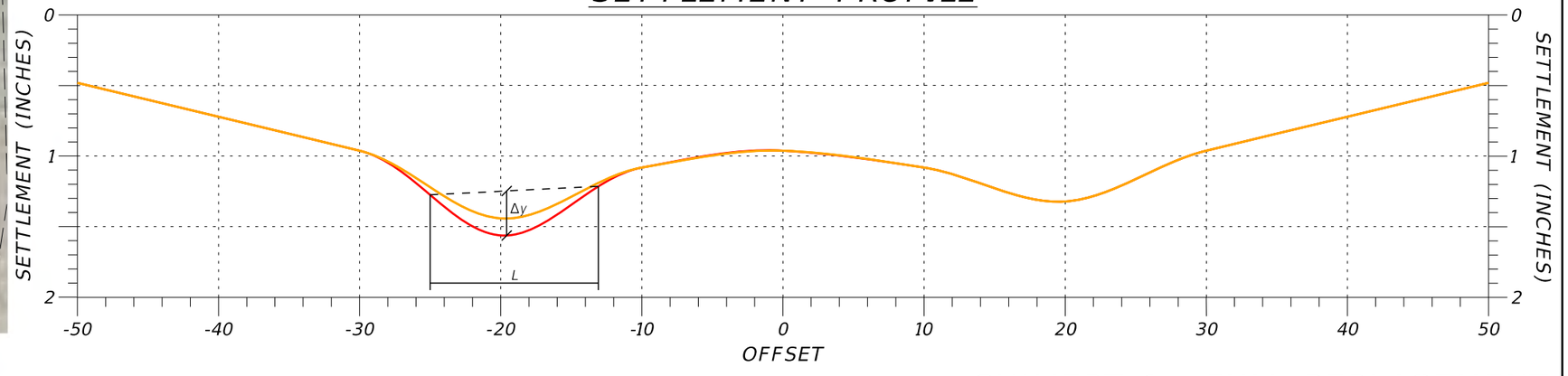
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APPROX. STA. 54+00



SETTLEMENT PROFILE



CULVERT 1 - FULL REPLACEMENT

NOTE

ELEVATIONS DETERMINED FROM FILES PROVIDED BY KHA.

LEGEND

- EXISTING GROUND SURFACE
- ELASTIC SETTLEMENT
- CONSOLIDATION SETTLEMENT

PREPARED:	I. CAPORINI, E.I.
CHECKED:	K. MORALES, P.E.
REVISED:	I. CAPORINI, E.I.
ENGINEER:	M. LANDSCHOOT, P.E.

Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

DESIGN FIGURE
CR 121 CULVERT EXTENSIONS
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

SCALE:	AS SHOWN	DATE:	AUGUST 2024
PROJ. NO.:	13-54-23-02	FIGURE NO.:	E1

Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

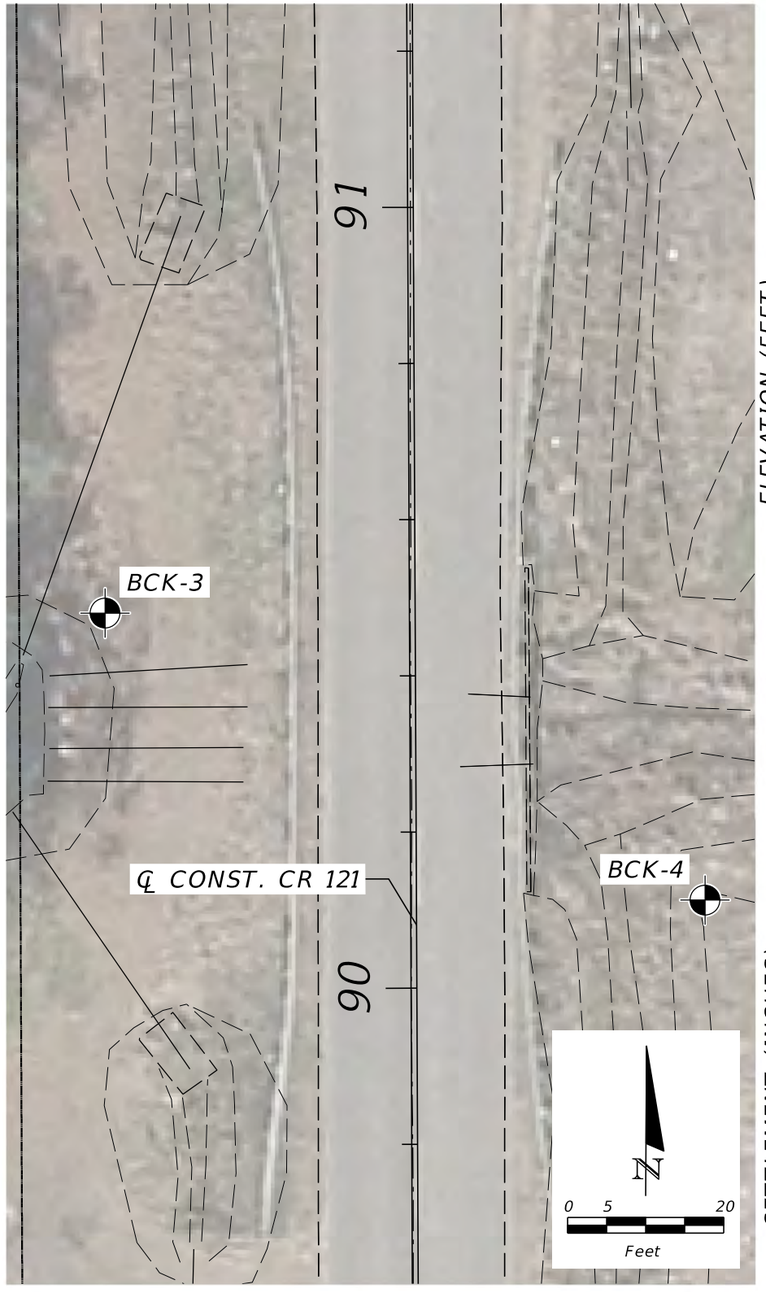
Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

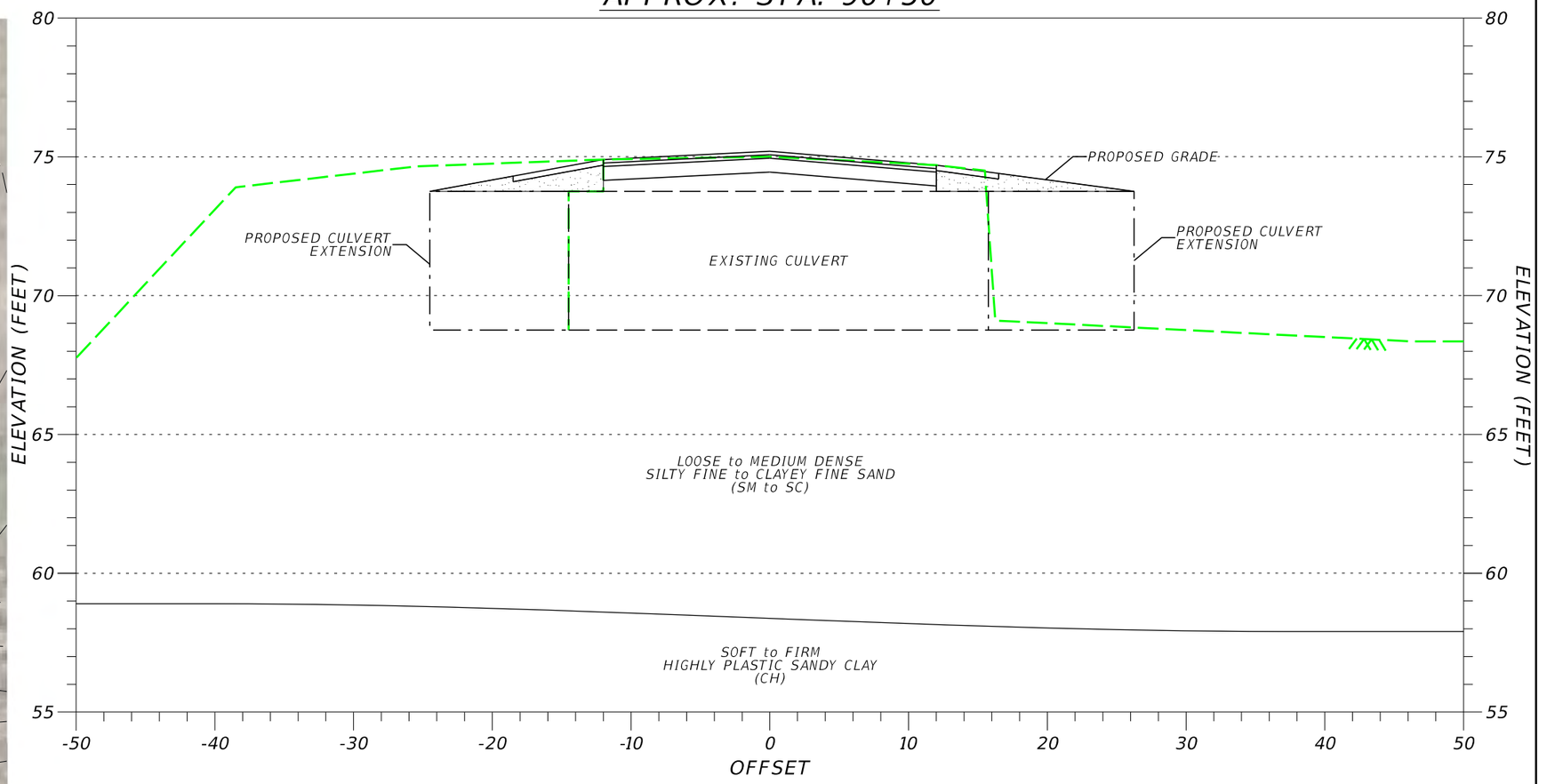
Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

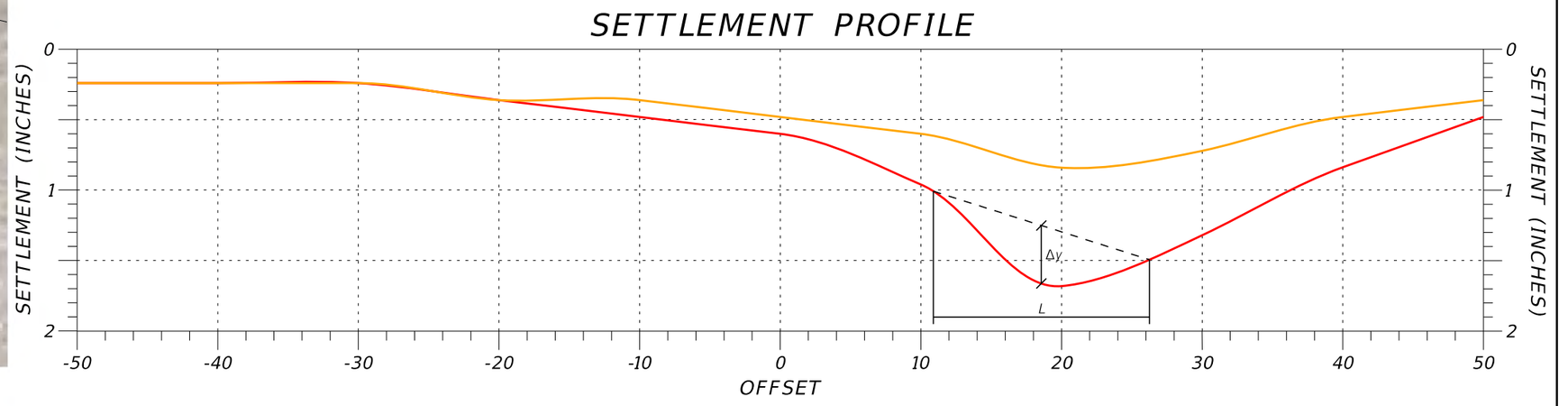
Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E







CULVERT 2 - EXTENSION

NOTE

ELEVATIONS DETERMINED FROM FILES PROVIDED BY KHA.

LEGEND

- EXISTING GROUND SURFACE
- ELASTIC SETTLEMENT
- CONSOLIDATION SETTLEMENT

PREPARED:	I. CAPORINI, E.I.
CHECKED:	K. MORALES, P.E.
REVISED:	I. CAPORINI, E.I.
ENGINEER:	M. LANDSCHOOT, P.E.

Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

DESIGN FIGURE
CR 121 CULVERT EXTENSIONS
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

SCALE:	AS SHOWN	DATE:	AUGUST 2024
PROJ. NO.:	13-54-23-02	FIGURE NO.:	E2

Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

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Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

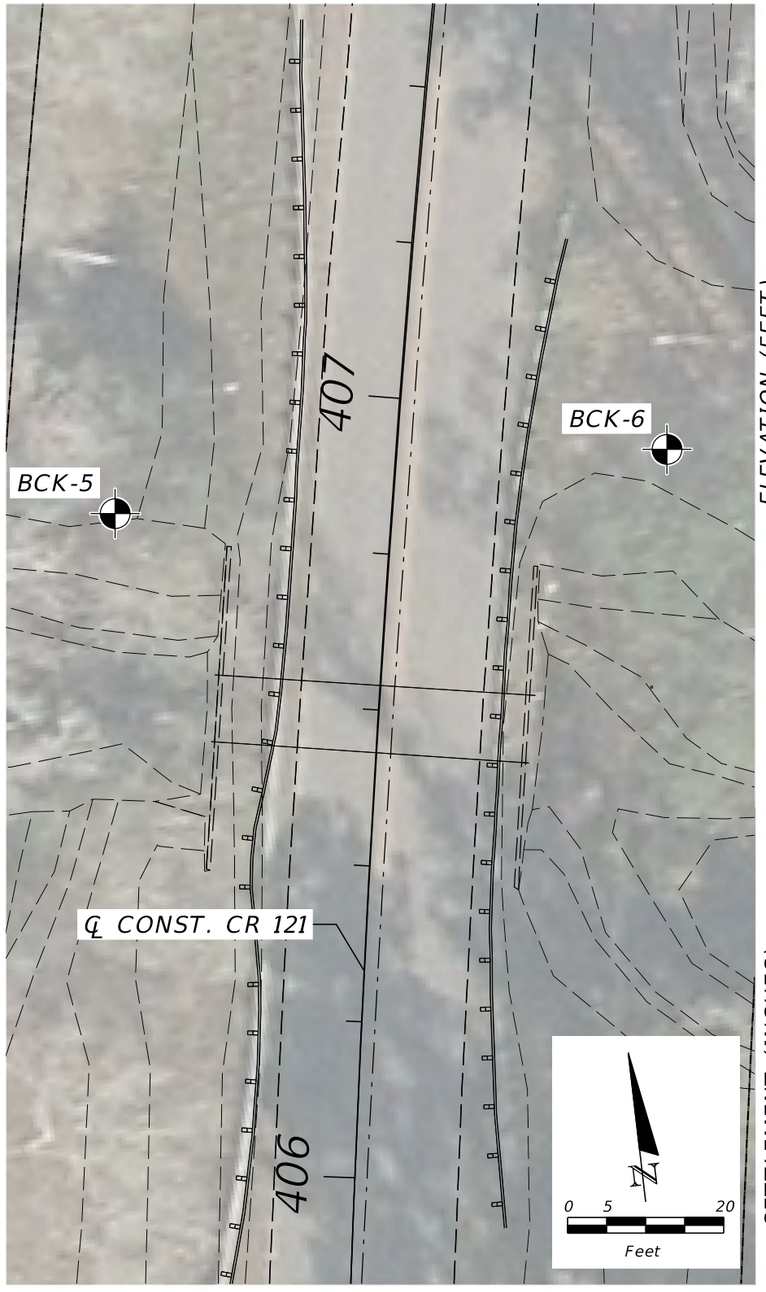
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Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

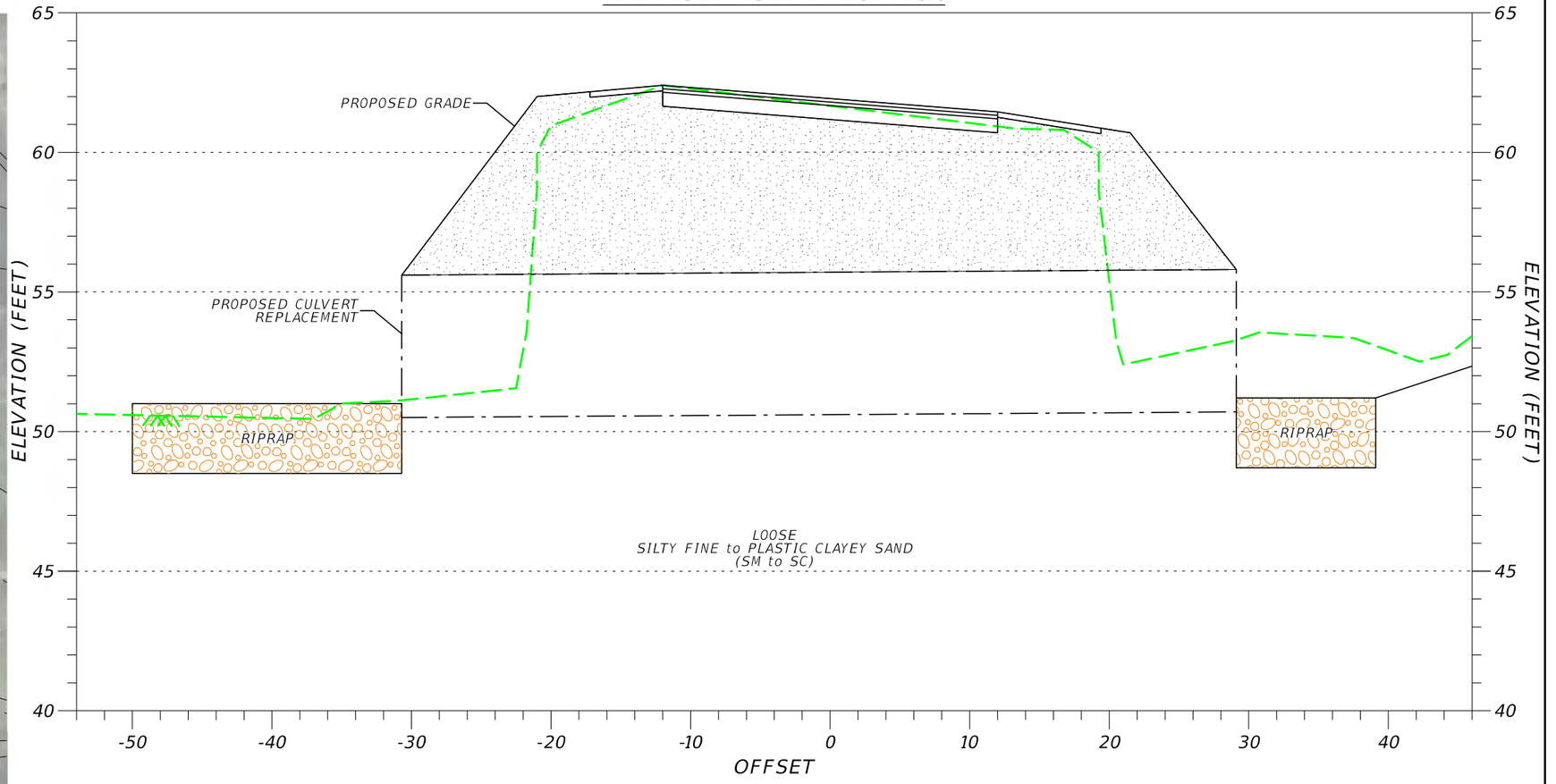
Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

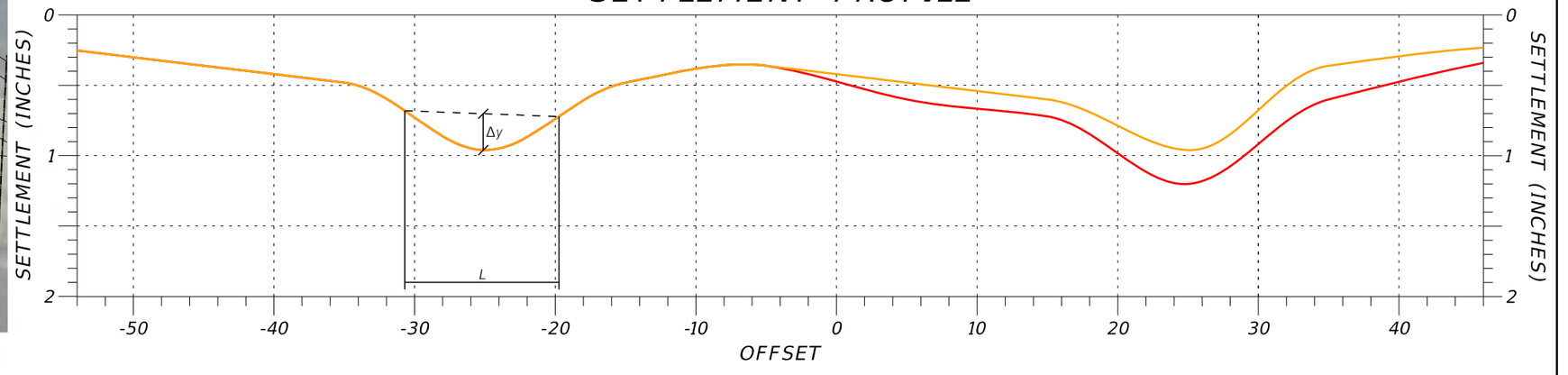
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APPROX. STA. 407+00



SETTLEMENT PROFILE



CULVERT 3 - FULL REPLACEMENT

NOTE

ELEVATIONS DETERMINED FROM FILES PROVIDED BY KHA.

LEGEND

- EXISTING GROUND SURFACE
- ELASTIC SETTLEMENT
- CONSOLIDATION SETTLEMENT

PREPARED:	I. CAPORINI, E.I.
CHECKED:	K. MORALES, P.E.
REVISED:	I. CAPORINI, E.I.
ENGINEER:	M. LANDSCHOOT, P.E.

Environmental & Geotechnical Specialists, Inc.
3772 Kori Road
Jacksonville, Florida 32257
Office: (904) 329-7180

DESIGN FIGURE
CR 121 CULVERT EXTENSIONS
FROM DUVAL COUNTY LINE TO CR 119
NASSAU COUNTY, FLORIDA

SCALE:	AS SHOWN	DATE:	AUGUST 2024
PROJ. NO.:	13-54-23-02	FIGURE NO.:	E3

Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

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Version 2.0 FoSSA Version 2.0 FoSSA Version 2.0 FoSSA

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APPENDIX G

Utility Work Schedules

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

NASSAU COUNTY
UTILITY WORK SCHEDULE

Nassau County	4504600-5		
		County Road No.:	CR121 from
CIP Number:			Duval Co line to CR119
Utility Agency/Owner (UAO):	AT&T Distribution		

A. Summary of Utility Work and Execution

NON-CONSTRUCTION ITEMS	ESTIMATED *CALENDAR DAYS	CONSTRUCTION ITEMS	ESTIMATED *CALENDAR DAYS
Total Preliminary	0	Prior to Nassau County Project Construction	0
Total Material Procurement	0	During Nassau County Project Construction	45
Total Right-of-Way Acquisition	0		
Total Other	0		

*** Calendar Days = UAO Work Days x 7/5 and takes into consideration simultaneous activities listed on Part "C" of this Schedule**

This document has been developed as the method for a Utility Agency/Owner (UAO) to transmit to NASSAU COUNTY, the roadway contractor, and other right-of-way users, the location, relocation, adjustment, installation, and/or protection of their facilities, on this NASSAU COUNTY project. The following data is based on NASSAU COUNTY final design phase construction plans dated 01/21/202.5 Any deviation by NASSAU COUNTY or its contractor from the plans, as provided, may render this work schedule null and void. Upon notification by NASSAU COUNTY of such change, this utility may require additional days for assessment and negotiation of a new work schedule. This UAO is not responsible for events beyond the control of the UAO that could not reasonably be anticipated by the UAO and which could not be avoided by the UAO with the exercise of due diligence at the time of the occurrence. The UAO agrees to notify NASSAU COUNTY in writing prior to starting, stopping, resuming, or completing work.

UAO Project Representative: Amber Megowan Telephone Number: 904-699-7805

UAO Field Representative: Rachael Gregory Telephone Number: 904-882-6031

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You MUST signify by selecting or checking which of the following applies:

☑ No changes to forms document.

☐ Appendix "Changes to Forms Document" is attached. ___Number of Attachment Pages.

Authorized Utility Agent:	Engineer of Record:	Contractor:
Kenneth W Cameron (Signature)	(Signature)	(Signature)
Kenny Cameron (Printed Name)	(Printed Name)	(Printed Name)
Area Manager - ENG (Title)	(Title)	(Title)
1/21/2025 (Date)	(Date)	(Date)

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NASSAU COUNTY
UTILITY WORK SCHEDULE

Nassau County	4504600-5		
		County Road No.:	CR121 from
CIP Number:			Duval Co line to CR119
Utility Agency/Owner (UAO):	AT&T Distribution		

B. Special Conditions / Constraints

1) AT&T normal working hours are five (5) day work week, Monday thru Friday, 8 hours a day. Any request for work activities outside that time frame will need to be coordinated at least one week in advance of required work.

2) Hold/Guard/Protect may include the use of Sheeting, Shoring & Bracing of AT&T Florida facilities by AT&T Florida Master Contractor

and should be decided upon by AT&T Florida field representitive in coordination with FDOT's Contractor on a case by case basis.

3) Expose & Adjust activity will include AT&T Florida Master Contractor physically exposing the undergroundd facilities and adjusting the facilities horizontally and/or vertically to aid construction.

4) This Utility Work Schedule is contingent on weather / storms which affect AT&T Florida's construction personnel. AT&T Florida resources can also be affected by weather not directly contacting the Florida region as the company supports other states & other AT&T districts in florida.

5) AT&T Florida requests access by AT&T Florida vehicles, equipment & personnel to all facilities within the limits of this project as maybe required for normal and emergency operation and maintenance of existing and proposed facilities.

6) All cable damages must be reported to the repair department at 1.877.737.2478.

7) All correspondence and coordination herein is with regards to BellSouth Telecommunications, LLC d/b/a AT&T Florida (AT&T-D) which is not affiliated with or responsible for facilities owned and managed by AT&T CORP (AT&T-T). Any questions with regards to AT&T-T facilities should be addressed to "inquiries@pea-inc.net.

Definitions:

Locating: The use of test holes by vacuum excavation or comparable non-destructive equipment at critical point along a subsurface utility facility's path thus exposing the underground facility and allowing the precise measurements of the depth and horizontal position to be made.

Designating: Utilizing electromagnetic, magnetic, sonic, and other energy fields for determining the existence and approximate horizontal location of underground utility facilities. Underground facilities will be marked by stakes, flags, paint or other suitable materials in varying combinations dependent upon surface conditions using American Public Works Association Utility Location Coordination Council Color Codes.

Protect: Shall include, but not be limited to, permittee's use of an onsite representative during active construction operations. During excavation operations, Representative may be required to physically expose underground facilities, provide any necessary support to the Facilities, and/or cover aerial facilities as deemed necessary to aid construction

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NASSAU COUNTY
UTILITY WORK SCHEDULE

Nassau County	4504600-5		
		County Road No.:	CR121 from
CIP Number:			Duval Co line to CR119
Utility Agency/Owner (UAO):	AT&T Distribution		

C. Disposition of Facilities (List All Existing & Proposed) on Project

UTILITY FACILITIES by STATUS/ TYPE / SIZE / MATERIAL / OFFSET TO BASELINE FROM STA TO STA	DESCRIPTION OF UTILITY WORK	DEPENDENT ACTIVITIES	M.O.T. PHASE NUMBER	CONSECUTIVE CALENDAR DAYS
1. BT-FIB-216 52+70 - 55+50 / 20' RT	Monitor & Protect	Roadway contractor to notify AT&T 72 hours prior		5
2. ATT Handhole 54+64 / 20' RT	Monitor & Protect Adjust HH as needed	See Page 2, Notes 1-4)		5
3. BT FOC 12, BT COP 50, BT COP 400 89+50 - 92+00 / 50' RT	Monitor & Protect /Lower in place	Roadway contractor to notify AT&T 72 hours prior		5
4. BT FOC 6, BT FOC 144, BT COP 600 186+72 / 40' RT	Monitor & Protect	See Page 2, Notes 1-4)		5
5. BT FOC 6, BT FOC 144, BT COP 600 218+13 / 40' RT	Monitor & Protect	Roadway contractor to notify AT&T 72 hours prior See Page 2, Notes 1-4)		5
6. BT FOC 144, FOC 6, BT COP 300 406+25 - 406+90 / 30' and 50' RT	Monitor & Protect	Roadway contractor to notify AT&T 72 hours prior		5
7. ATT Handhole 406+50 / 30' RT	Monitor & Protect	See Page 2, Notes 1-4)		5
8. BT FOC 144, FOC 6, BT COP 300 426+47 / 40' RT	Monitor & Protect	Roadway contractor to notify AT&T 72 hours prior See Page 2, Notes 1-4)		5
9. BT COP 300, BT COP 150 431+52 / 43' RT	Monitor & Protect	Roadway contractor to notify AT&T 72 hours prior See Page 2, Notes 1-4)		5

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NASSAU COUNTY
UTILITY WORK SCHEDULE

Nassau County			
		County Road No.:	CR 121
CIP Number: 45046005			
Utility Agency/Owner (UAO):	Okefenoke EMC		

A. Summary of Utility Work and Execution

NON-CONSTRUCTION ITEMS	ESTIMATED *CALENDAR DAYS	CONSTRUCTION ITEMS	ESTIMATED *CALENDAR DAYS
Total Preliminary	0	Prior to Nassau County Project Construction	0
Total Material Procurement	0	During Nassau County Project Construction	0
Total Right-of-Way Acquisition	0		
Total Other	0		

* Calendar Days = UAO Work Days x 7/5 and takes into consideration simultaneous activities listed on Part "C" of this Schedule

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UAO Project Representative: Roy Sikes Telephone Number: 912-390-1459
UAO Field Representative: Randy Thomas Telephone Number: 912-390-9763

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You MUST signify by selecting or checking which of the following applies:

☒ No changes to forms document.

☐ Appendix "Changes to Forms Document" is attached. ___ Number of Attachment Pages.

Authorized Utility Agent:	Engineer of Record:	Contractor:
Roy Sikes (Signature)	(Signature)	(Signature)
Roy Sikes (Printed Name)	(Printed Name)	(Printed Name)
Staking Project Coordinator (Title)	(Title)	(Title)
11-27-24 (Date)	(Date)	(Date)

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NASSAU COUNTY
UTILITY WORK SCHEDULE

Nassau County			
		County Road No.:	CR 121
CIP Number: 45046005			
Utility Agency/Owner (UAO):			

B.	**Special Conditions / Constraints**

None-All poles look to be far enough away from the project.

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NASSAU COUNTY
UTILITY WORK SCHEDULE

Nassau County			
		County Road No.:	CR 121
CIP Number: 45046005			
Utility Agency/Owner (UAO):			

C. Disposition of Facilities (List All Existing & Proposed) on Project

UTILITY FACILITIES by STATUS/ TYPE / SIZE / MATERIAL / OFFSET TO BASELINE FROM STA TO STA	DESCRIPTION OF UTILITY WORK	DEPENDENT ACTIVITIES	M.O.T. PHASE NUMBER	CONSECUTIVE CALENDAR DAYS
None				

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Utility Contact Form

Date:	1/3/2025
Company Name:	Florida Power and Light
Phone Number:	904-629-9346
Email Address:	kent.logue@fpl.com
Project:	CR 121 ROW improvements
Emergency number to be inserted on plans	1-800-4outage

Existing facilities are located:

_____ Within existing Right-of-Way **(between Station: _____ to Station: _____)**
_____ Within existing County/City Right-of-Way
_____ Within railroad Right-of-Way
_____ Within an easement or fee title property
_____ Not within project limits *(Has no facilities within limits)*
__x__ No Utility Work Schedule *(Has facilities within limits but is not affected)*
_____ There will not be a claim for reimbursement
_____ There will be a claim for reimbursement *
_____ Facilities located along Interstate corridor

*** Please provide any document(s) [i.e. fee title property deed or easement document(s)] within the project limits that formulates the basis for your entitlement to be reimbursed for your utility work. NOTE: A preliminary cost estimate for any utility work within this entitled area is required.**

Enclosed please find:

_____ Marked Roadway Plans
_____ Legal Documents
_____ Company Utility Plans
_____ Preliminary Cost Estimate

POLE OWNERS: List Joint Pole Users

COMMENTS:

Signed: Kent Logue
Title: Engineer II

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

Novak, Jessica

From:	Novak, Jessica
Sent:	Wednesday, December 18, 2024 11:48 AM
To:	Hickernell, Robert; Mobley, Jordan
Subject:	FW: Required Utility Work Schedule or Letter of No Conflict – CR 121 Right-of-Way Improvements
Attachments:	NASSAU 2024-08-05_60% Marked Plans to Utilities-compressed.pdf

From: Jordan, David N <David.Jordan@windstream.com>
Sent: Wednesday, December 18, 2024 11:22 AM
To: Robert Companion <rcompanion@nassaucountyfl.com>
Cc: Novak, Jessica <Jessica.Novak@kimley-horn.com>; Raymond C. Albury <ralbury@nassaucountyfl.com>
Subject: RE: Required Utility Work Schedule or Letter of No Conflict – CR 121 Right-of-Way Improvements

You don't often get email from david.jordan@windstream.com. Learn why this is important

Good morning Robert,

I don't see any conflicts with this project. Please use this as my LETTER OF NO CONFLICT. See marked sheets attached where we have facilities on project.

Thanks,

David Jordan, Sr. Engineer-OSP Engineering
C: 386.208.9965 | GoKinetic.com

Sensitivity: Internal

From: Robert Companion <rcompanion@nassaucountyfl.com>
Sent: Tuesday, December 17, 2024 4:16 PM
To: Jordan, David N <David.Jordan@windstream.com>
Cc: Novak, Jessica <Jessica.Novak@kimley-horn.com>; Raymond C. Albury <ralbury@nassaucountyfl.com>
Subject: Required Utility Work Schedule or Letter of No Conflict – CR 121 Right-of-Way Improvements

This Message Is From an External Sender

This message came from outside your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

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NASSAU COUNTY
UTILITY WORK SCHEDULE

Nassau County			
		County Road No.:	121
CIP Number:			
Utility Agency/Owner (UAO):	Southern Natural Gas Company		

A. Summary of Utility Work and Execution

NON-CONSTRUCTION ITEMS	ESTIMATED *CALENDAR DAYS	CONSTRUCTION ITEMS	ESTIMATED *CALENDAR DAYS
Total Preliminary		**Prior to Nassau County Project Construction**	
Total Material Procurement		**During Nassau County Project Construction**	
Total Right-of-Way Acquisition			
Total Other			

*** Calendar Days = UAO Work Days x 7/5 and takes into consideration simultaneous activities listed on Part "C" of this Schedule**

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UAO Project Representative: Trey Brown Telephone Number: 205-325-7287
UAO Field Representative: James Thames Telephone Number: 912-658-5114

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You MUST signify by selecting or checking which of the following applies:

☐ No changes to forms document.

☐ Appendix "Changes to Forms Document" is attached. ___ Number of Attachment Pages.

Authorized Utility Agent:	**Engineer of Record:**	**Contractor:**
(Signature)	(Signature)	(Signature)
Trey Brown (Printed Name)	(Printed Name)	(Printed Name)
Sr. Project Manager (Title)	(Title)	(Title)
2/13/2025 (Date)	(Date)	(Date)

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NASSAU COUNTY
UTILITY WORK SCHEDULE

Nassau County			
		County Road No.:	121
CIP Number:			
Utility Agency/Owner (UAO):	Southern Natural Gas Company		

B.	**Special Conditions / Constraints**

No Conflict

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NASSAU COUNTY

UTILITY WORK SCHEDULE

Nassau County			
		County Road No.:	
CIP Number:			
Utility Agency/Owner (UAO):			

C. Disposition of Facilities (List All Existing & Proposed) on Project

UTILITY FACILITIES by STATUS/ TYPE / SIZE / MATERIAL / OFFSET TO BASELINE FROM STA TO STA	DESCRIPTION OF UTILITY WORK	DEPENDENT ACTIVITIES	M.O.T. PHASE NUMBER	CONSECUTIVE CALENDAR DAYS

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

St. Johns River
Water Management District
Michael A. Register, P.E., Executive Director

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • 386-329-4500 • www.sjrwmd.com

December 20, 2024

Robert Companion
Nassau County
96135 Nassau Pl
Yulee, FL 32097-8634

SUBJECT: General Permit 223695-2

Dear Sir/Madam:

The District has received your notice to use a general permit. Based on the submitted information, the proposed activity qualifies for a General Environmental Resource Permit pursuant to section 62-330.447, Florida Administrative Code, provided it is constructed and operated in accordance with that general permit and the general and special conditions set forth in section 62-330.447, Florida Administrative Code (attached).

Please be advised that the St. Johns River Water Management District will not publish a notice in the newspaper advising the public that it has determined your project qualifies for this general permit. Newspaper publication, using the District's notice form, notifies members of the public of their right to challenge the use of the general permit. If proper notice is given by newspaper publication, then there is a 21-day time limit for someone to file a petition for an administrative hearing to challenge the use of the permit. To close the point of entry for filing a petition, you may publish (at your own expense) a one-time notice of the District's decision in a newspaper of general circulation within the affected area as defined in Section 50.11 of the *Florida Statutes*. If you do not publish a newspaper notice to close the point of entry, the time to challenge your use of the permit will not expire and someone could file a petition even after your project is constructed. Please refer to the attached Notice of Rights to determine any legal rights you may have concerning the District's agency action.

The proposed activity as outlined on your exemption determination **does not** qualify for federal authorization pursuant to the State Programmatic General Permit VI-R1 (SPGP VI-R1) Coordination Agreement, therefore a SEPARATE permit or authorization may be required from the U.S. Army Corps of Engineers (Corps).You may need to apply separately to the Corps using the appropriate federal application form. More information about the Corps permitting may be found online in the *JacksonvilleDistrict*. Failure to obtain Corps authorization prior to construction could subject you to federal enforcement action by that agency.

A copy of the notice form and a partial list of newspapers of general circulation are attached for your convenience. However, you are not limited to those listed newspapers. If you choose to close the point of entry and the notice is published, the newspaper will return to you an affidavit of publication. In that event, it is important that you either submit a scanned copy of the affidavit by

GOVERNING BOARD

Rob Bradley, CHAIR FLEMING ISLAND
Maryam H. Ghyabi-White, VICE CHAIR ORMOND BEACH
J. Chris Peterson, SECRETARY WINTER PARK
Cole Oliver, TREASURER MERRITT ISLAND
Ryan Atwood MOUNT DORA
Doug Bournique VERO BEACH
Douglas Burnett ST. AUGUSTINE
Ron Howse COCOA
Janet Price FERNANDINA BEACH

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

emailing it to compliancesupport@sjrwmd.com (preferred method) or send a copy of the original affidavit to:

Margaret Daniels, Office Director
Office of Records and Regulatory Support
4049 Reid Street
Palatka, FL 32177

A copy of your application was transmitted to the U.S. Army Corps of Engineers for review. This authorization to use a general environmental resource permit does not obviate the need for obtaining all necessary permits or approval from other agencies.

Sincerely,



Jeff Prather, Division Director
Division of Regulatory Services

Enclosures: Permit
Notice of Rights
List of Newspapers for Publication

cc: District Permit File
Deborah Lynn Knighton
Kimley-Horn
201 North Franklin St.
Suite 1400
Tampa, FL 33602

Alyssa Noelle Davidson
Kimley-Horn
201 North Franklin St.
Suite 1400
Tampa, FL 33602

Steven Brighton
Kimley-Horn
2619 Centennial Blvd.
Suite 200
Tallahassee, FL 32308

Jessica Novak
Kimley-Horn
12740 Gran Bay Parkway West
Suite 2350
Jacksonville, FL 32258

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
GENERAL ENVIRONMENTAL RESOURCE PERMIT

PERMIT NO: 223695-2 **DATE ISSUED:** December 20, 2024
PROJECT NAME: CR 121 from Duval County Line to CR 119
A PERMIT AUTHORIZING:
Use of the General Permit for Minor Activities Within Existing Rights-of-Way or Easements per 62-330.447(4)(c, d) for the construction of paved shoulders, two cross drain culvert replacements, and one cross drain culvert extension to be constructed as per plans received by the District on November 22, 2024.

LOCATION:

Section(s):	4, 21, 16, 9 32, 33, 37, 29, 28, 20, 17	Township(s):	2S 1S	Range(s):	23E 23E

Nassau County

Receiving Water Body:

Name	Class
Saint Marys River	III Fresh

ISSUED TO:
Nassau County
96135 Nassau Pl
Yulee, FL 32097-8634

The District received your notice to use a General Environmental Resource Permit pursuant to Chapter 62-330, Florida Administrative Code (F.A.C.).

Based on the forms, design plans, and other documents submitted with your notice, it appears that the project meets the requirements for a General Environmental Resource Permit. Any activities performed under a General Environmental Resource Permit are subject to the general conditions and special conditions specified in rules 62-330.405 and 62-330.447, F.A.C. respectively (attached). Any deviations from these conditions may subject you to enforcement action and possible penalties.

Please be advised that the General Environmental Resource Permit expires 5 years from the date on which the notice of intent to use a General Environmental Resource Permit was received by the District.

The proposed activity as outlined on your exemption determination **does not** qualify for federal authorization pursuant to the State Programmatic General Permit VI-R1 (SPGP VI-R1) Coordination Agreement, therefore a SEPARATE permit or authorization may be required from the U.S. Army Corps of Engineers (Corps).You may need to apply separately to the Corps using the appropriate federal application form. More information about the Corps permitting may be found online in the *JacksonvilleDistrict*. Failure to obtain Corps authorization prior to construction could subject you to federal enforcement action by that agency.

A copy of your notice also has been sent to the U.S. Army Corps of Engineers (USACOE) for review. The USACOE may require a separate permit. Failure to obtain this authorization prior to construction could subject you to enforcement action and possible penalties.

AUTHORIZED BY: St. Johns River Water Management District
Division of Regulatory Services

By: 

Craig McCammon
Supervising Regulatory Scientist

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

"EXHIBIT A"
CONDITIONS FOR ISSUANCE OF PERMIT NUMBER 223695-2
CR 121 from Duval County Line to CR 119
DATED December 20, 2024

1. The general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit and may subject the permittee to enforcement action and revocation of the permit under Chapter 373, F.S.

2. The general permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any construction, alteration, operation, maintenance, removal or abandonment authorized by this permit; and it does not authorize any violation of any other applicable federal, state, local, or special district laws (including, but not limited to, those governing the “take” of listed species).

3. The general permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the general permit.

4. The general permit does not relieve the permittee from liability and penalties when the permitted activity causes harm or injury to: human health or welfare; animal, plant or aquatic life; or property. It does not allow the permittee to cause pollution that violates state water quality standards.

5. Section 253.77, F.S., provides that a person may not commence any excavation, construction, or other activity involving the use of state-owned or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required consent, lease, easement, or other form of authorization authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on state-owned lands.

6. The authorization to conduct activities under a general permit may be modified, suspended or revoked in accordance with Chapter 120, F.S., and Section 373.429, F.S.

7. The general permit is not transferable to a third party. To be used by a different permittee, a new notice to use a general permit must be submitted in accordance with Rule 62-330.402, F.A.C. Activities constructed in accordance with the terms and conditions of a general permit are automatically authorized to be operated and maintained by the permittee and subsequent owners in accordance with subsection 62-330.340(1), F.A.C. Any person holding the general permit, persons working under the general permit, and owners of land while work is conducted under the general permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to sale, conveyance, or other transfer of ownership or control of the permitted project, activity, or the real property at which the permitted project or activity is located.

8. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the permitted system to ensure conformity with the plans and specifications approved by the general permit.

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9. The permittee shall maintain any permitted project or activity in accordance with the plans submitted to the Agency and authorized in the general permit.

10. A permittee's right to conduct a specific activity under the general permit is authorized for a duration of five years.

11. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be implemented and maintained immediately prior to, during, and after construction as needed to stabilize all disturbed areas, including other measures specified in the permit to prevent adverse impacts to the water resources and adjacent lands. Erosion and sediment control measures shall be installed and maintained in accordance with the State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation June 2007), available at https://www.flrules.org/Gateway/reference.asp?No=Ref-04227, and the Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), available at http://publicfiles.dep.state.fl.us/DEAR/Stormwater_Training_Docs/erosion-inspectors-manual.pdf.

12. Unless otherwise specified in the general permit, temporary vehicular access within wetlands during construction shall be performed using vehicles generating minimum ground pressure to minimize rutting and other environmental impacts. Within forested wetlands, the permittee shall choose alignments that minimize the destruction of mature wetland trees to the greatest extent practicable. When needed to prevent rutting or soil compaction, access vehicles shall be operated on wooden, composite, metal, or other non-earthen construction mats. In all cases, access in wetlands shall comply with the following:
    a. Access within forested wetlands shall not include the cutting or clearing of any native wetland tree having a diameter 4 inches or greater at breast height;
    b. The maximum width of the construction access area shall be limited to 15 feet;
    c. All mats shall be removed as soon as practicable after equipment has completed passage through, or work has been completed, at any location along the alignment of the project, but in no case longer than seven days after equipment has completed work or passage through that location; and
    d. Areas disturbed for access shall be restored to natural grades immediately after the maintenance or repair is completed.

13. Barges or other work vessels used to conduct in-water activities shall be operated in a manner that prevents unauthorized dredging, water quality violations, and damage to submerged aquatic communities.

14. The construction, alteration, or use of the authorized project shall not adversely impede navigation or create a navigational hazard in the water body.

15. Except where specifically authorized in the general permit, activities must not:
    a. Impound or obstruct existing water flow, cause adverse impacts to existing surface water storage and conveyance capabilities, or otherwise cause adverse water quantity or flooding impacts to receiving water and adjacent lands; or
    b. Cause an adverse impact to the maintenance of surface or ground water levels or surface water flows established pursuant to Section 373.042, F.S., or a Works of the District established pursuant to Section 373.086, F.S.

16. If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, stone tools, dugout canoes, metal implements, historic building materials, or any other physical remains

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that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at (850) 245-6333, as well as the appropriate permitting agency office. Project activities shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, F.S.

17. The activity must be capable, based on generally accepted engineering and scientific principles, of being performed and of functioning as proposed, and must comply with any applicable District special basin and geographic area criteria.

18. The permittee shall comply with the following when performing work within waters accessible to federally- or state-listed aquatic species, such as manatees, marine turtles, smalltooth sawfish, and Gulf sturgeon:
(a) All vessels associated with the project shall operate at “Idle Speed/No Wake” at all times while in the work area and where the draft of the vessels provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
(b) All deployed siltation or turbidity barriers shall be properly secured, monitored, and maintained to prevent entanglement or entrapment of listed species.
(c) All in-water activities, including vessel operation, must be shut down if a listed species comes within 50 feet of the work area. Activities shall not resume until the animal(s) has moved beyond a 50-foot radius of the in-water work, or until 30 minutes elapses since the last sighting within 50 feet. Animals must not be herded away or harassed into leaving. All on-site project personnel are responsible for observing water-related activities for the presence of listed species.
(d) Any listed species that is killed or injured by work associated with activities performed shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1(888)404-3922 and ImperiledSpecies@myFWC.com.
(e) Whenever there is a spill or frac-out of drilling fluid into waters accessible to the above species during a directional drilling operation, the FWC shall be notified at imperiledspecies@myfwc.com with details of the event within 24 hours following detection of the spill or frac-out.

19. The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any activity authorized by the general permit.

20. The permittee shall immediately notify the Agency in writing of any submitted information that is discovered to be inaccurate.

21. The permittee shall limit stream channel relocation to streams which have an average discharge of 10 cubic feet per second or less. The length of relocated channels or those significantly altered shall be limited to 200 feet per stream. A stream channel shall be altered only when such a measure will reduce the long term adverse water quality impacts and will maintain or restore the stream's natural hydraulic capability; and

22. This general permit shall not apply to ditch construction in Class I or Class II surface waters, Outstanding National Resource Waters or waters designated as Outstanding Florida Waters.

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23. Activities under this general permit must not diminish existing stormwater treatment, attenuation, or conveyance capacity.

24. This general permit does not authorize the construction of additional traffic lanes. Activities that require additional traffic lanes must first obtain an individual environmental resource permit under this chapter, as applicable, before the start of construction.

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Notice Of Rights

1. A person whose substantial interests are or may be affected has the right to request an administrative hearing by filing a written petition with the St. Johns River Water Management District (District). Pursuant to Chapter 28-106 and Rule 40C-1.1007, Florida Administrative Code, the petition must be filed (received) either by delivery at the office of the District Clerk at District Headquarters, P. O. Box 1429, Palatka Florida 32178-1429 (4049 Reid St., Palatka, FL 32177) or by e-mail with the District Clerk at Clerk@sjrwmd.com, within twenty-six (26) days of the District depositing the notice of District decision in the mail (for those persons to whom the District mails actual notice), within twenty-one (21) days of the District emailing the notice of District decision (for those persons to whom the District emails actual notice), or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail or email actual notice). A petition must comply with Sections 120.54(5)(b)4. and 120.569(2)(c), Florida Statutes, and Chapter 28-106, Florida Administrative Code. The District will not accept a petition sent by facsimile (fax), as explained in paragraph no. 4 below.

2. Please be advised that if you wish to dispute this District decision, mediation may be available and that choosing mediation does not affect your right to an administrative hearing. If you wish to request mediation, you must do so in a timely-filed petition. If all parties, including the District, agree to the details of the mediation procedure, in writing, within 10 days after the time period stated in the announcement for election of an administrative remedy under Sections 120.569 and 120.57, Florida Statutes, the time limitations imposed by Sections 120.569 and 120.57, Florida Statutes, shall be tolled to allow mediation of the disputed District decision. The mediation must be concluded within 60 days of the date of the parties' written agreement, or such other timeframe agreed to by the parties in writing. Any mediation agreement must include provisions for selecting a mediator, a statement that each party shall be responsible for paying its pro-rata share of the costs and fees associated with mediation, and the mediating parties' understanding regarding the confidentiality of discussions and documents introduced during mediation. If mediation results in settlement of the administrative dispute, the District will enter a final order consistent with the settlement agreement. If mediation terminates without settlement of the dispute, the District will notify all the parties in writing that the administrative hearing process under Sections 120.569 and 120.57, Florida Statutes, is resumed. Even if a party chooses not to engage in formal mediation, or if formal mediation does not result in a settlement agreement, the District will remain willing to engage in informal settlement discussions.

3. A person whose substantial interests are or may be affected has the right to an informal administrative hearing pursuant to Sections 120.569 and 120.57(2), Florida Statutes, where no material facts are in dispute. A petition for an informal hearing must also comply with the requirements set forth in Rule 28-106.301, Florida Administrative Code.

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Notice Of Rights

4. A petition for an administrative hearing is deemed filed upon receipt of the complete petition by the District Clerk at the District Headquarters in Palatka, Florida during the District's regular business hours. The District's regular business hours are 8:00 a.m. – 5:00 p.m., excluding weekends and District holidays. Petitions received by the District Clerk after the District's regular business hours shall be deemed filed as of 8:00 a.m. on the District's next regular business day. The District's acceptance of petitions filed by e-mail is subject to certain conditions set forth in the District's Statement of Agency Organization and Operation (issued pursuant to Rule 28-101.001, Florida Administrative Code), which is available for viewing at sjrwmd.*com*. These conditions include, but are not limited to, the petition being in the form of a PDF or TIFF file and being capable of being stored and printed by the District. Further, pursuant to the District's Statement of Agency Organization and Operation, attempting to file a petition by facsimile is prohibited and shall not constitute filing.

5. Failure to file a petition for an administrative hearing within the requisite timeframe shall constitute a waiver of the right to an administrative hearing. (Rule 28-106.111, Florida Administrative Code).

6. The right to an administrative hearing and the relevant procedures to be followed are governed by Chapter 120, Florida Statutes, Chapter 28-106, Florida Administrative Code, and Rule 40C-1.1007, Florida Administrative Code. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means the District's final action may be different from the position taken by it in this notice. A person whose substantial interests are or may be affected by the District's final action has the right to become a party to the proceeding, in accordance with the requirements set forth above.

7. Pursuant to Section 120.68, Florida Statutes, a party to the proceeding before the District who is adversely affected by final District action may seek review of the action in the District Court of Appeal by filing a notice of appeal pursuant to Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, within 30 days of the rendering of the final District action.

8. A District action is considered rendered, as referred to in paragraph no. 7 above, after it is signed on behalf of the District and filed by the District Clerk.

9. Failure to observe the relevant timeframes for filing a petition for judicial review as described in paragraph no. 7 above will result in waiver of that right to review.

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NOTICING INFORMATION

Please be advised that the St. Johns River Water Management District will not publish a notice in the newspaper advising the public that it has issued a permit for this project.

Newspaper publication, using the District's notice form, notifies members of the public of their right to challenge the issuance of the permit. If proper notice is given by newspaper publication, then there is a 21-day time limit for someone to file a petition for an administrative hearing to challenge the issuance of the permit.

To close the point of entry for filing a petition, you may publish (at your own expense) a one-time notice of the District's decision in a newspaper of general circulation within the affected area as defined in Section 50.011 of the Florida Statutes. If you do not publish a newspaper notice to close the point of entry, the time to challenge the issuance of your permit will not expire and someone could file a petition even after your project is constructed.

A copy of the notice form and a partial list of newspapers of general circulation are attached for your convenience. However, you are not limited to those listed newspapers. If you choose to close the point of entry and the notice is published, the newspaper will return to you an affidavit of publication. In that event, it is important that you either submit a scanned copy of the affidavit by emailing it to *compliancesupport@sjrwmd.com* (preferred method) **or** send a copy of the original affidavit to:

Office of Records and Regulatory Support
4049 Reid Street
Palatka, FL 32177

If you have any questions, please contact the Office of Records and Regulatory Support at (386) 329-4570.

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NOTICE OF AGENCY ACTION TAKEN BY THE
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

Notice is given that the following permit was issued on _____:

(Name and address of applicant)_____
permit#_____. The project is located in _____County, Section _____, Township _____ South, Range _____ East. The permit authorizes a surface water management system on _____ acres for _____ known as _____. The receiving water body is _____.

A person whose substantial interests are or may be affected has the right to request an administrative hearing by filing a written petition with the St. Johns River Water Management District (District). Pursuant to Chapter 28-106 and Rule 40C-1.1007, Florida Administrative Code (F.A.C.), the petition must be filed (received) either by delivery at the office of the District Clerk at District Headquarters, P.O. Box 1429, Palatka FL 32178-1429 (4049 Reid St, Palatka, FL 32177) or by e-mail with the District Clerk at Clerk@sjrwmd.com, within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail or email actual notice). A petition must comply with Sections 120.54(5)(b)4. and 120.569(2)(c), Florida Statutes (F.S.), and Chapter 28-106, F.A.C. The District will not accept a petition sent by facsimile (fax). Mediation pursuant to Section 120.573, F.S., may be available and choosing mediation does not affect your right to an administrative hearing.

A petition for an administrative hearing is deemed filed upon receipt of the complete petition by the District Clerk at the District Headquarters in Palatka, Florida during the District's regular business hours. The District's regular business hours are 8 a.m. – 5 p.m., excluding weekends and District holidays. Petitions received by the District Clerk after the District's regular business hours shall be deemed filed as of 8 a.m. on the District's next regular business day. The District's acceptance of petitions filed by e-mail is subject to certain conditions set forth in the District's Statement of Agency Organization and Operation (issued pursuant to Rule 28-101.001, Florida Administrative Code), which is available for viewing at www.sjrwmd.com. These conditions include, but are not limited to, the petition being in the form of a PDF or TIFF file and being capable of being stored and printed by the District. Further, pursuant to the District's Statement of Agency Organization and Operation, attempting to file a petition by facsimile (fax) is prohibited and shall not constitute filing.

The right to an administrative hearing and the relevant procedures to be followed are governed by Chapter 120, Florida Statutes, Chapter 28-106, Florida Administrative Code, and Rule 40C-1.1007, Florida Administrative Code. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means the District's final action may be different from the position taken by it in this notice. **Failure to file a petition for an administrative hearing within the requisite time frame shall constitute a waiver of the right to an administrative hearing. (Rule 28-106.111, F.A.C.).**

If you wish to do so, please visit http://www.sjrwmd.com/nor_dec/ to read the complete Notice of Rights to determine any legal rights you may have concerning the District's decision(s) on the permit application(s) described above. You can also request the Notice of Rights by contacting the Director of Records and Regulatory Support, 4049 Reid St., Palatka, FL 32177-2529, tele. no. (386)329-4570.

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NEWSPAPER ADVERTISING

ALACHUA
Gainesville Sun, Legal Advertising
2700 SW 13th Street
Gainesville, FL 32608
866-858-9652

BAKER
Baker County Press, Legal Advertising
P. O. Box 598
Maclenny, FL 3206 3
904-259-2400/ fax 904-259-6502

BRADFORD
Bradford County Telegraph, Legal Advertising
P. O. Drawer A
Starke, FL 32901
904-964-6305/ fax 904-964-8628

BREVARD
Florida Today, Legal Advertising
P. O. Box 419000
Melbourne, FL 32941-9000
321-242-3832/ fax 321-242-6618

CLAY
Clay Today, Legal Advertising
1560 Kinsley Ave., Suite 1
Orange Park, FL 32073
904-264-3200/ fax 904-264-3285

DUVAL
Daily Record, Legal Advertising
P. O. Box 1769
Jacksonville, FL 32201
904-356-2466 / fax 904-353-2628

FLAGLER
Flagler Tribune, c/o News Journal
P. O. Box 2831
Daytona Beach, FL 32120-2831
386- 681-2322

INDIAN RIVER
Treasure Coast News
760 NW Enterprise Dr.
Port St. Lucie, Fl 34986
772-283-5252

LAKE
Daily Commercial, Legal Advertising
P. O. Drawer 490007
Leesburg, FL 34749
352-365-8235/fax 352-365-1951

MARION
Ocala Star Banner, Legal Advertising
2121 SW 19th Avenue Road
Ocala, FL 34474
352-867-4010/fax 352-867-4126

NASSAU
News-Leader, Legal Advertising
P. O. Box 766
Fernandina Beach, FL 32035
904-261-3696/fax 904-261-3698

OKEECHOBEE
Okeechobee News, Legal Advertising
P. O. Box 639
Okeechobee, FL 34973-0639
863-763-3134/fax 863-763-5901

ORANGE
Sentinel Communications, Legal Advertising
633 N. Orange Avenue
Orlando, FL 32801
407-420-5160/ fax 407-420-5011

OSCEOLA
Little Sentinel, Legal Advertising
633 N. Orange Avenue
Orlando, FL 32801
407-420-5160/ fax 407-420-5011

PUTNAM
Palatka Daily News, Legal Advertising
P. O. Box 777
Palatka, FL 32178
386-312-5200/ fax 386-312-5209

ST. JOHNS
St. Augustine Record, Legal Advertising
P. O. Box 1630
St. Augustine, FL 32085
904-819-3439

SEMINOLE
Sanford Herald, Legal Advertising
300 North French Avenue
Sanford, FL 32771
407-323-9408

VOLUSIA
News Journal Corporation, Legal Advertising
P. O. Box 2831
Daytona Beach, FL 32120-2831
(386) 681-2322

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APPENDIX I

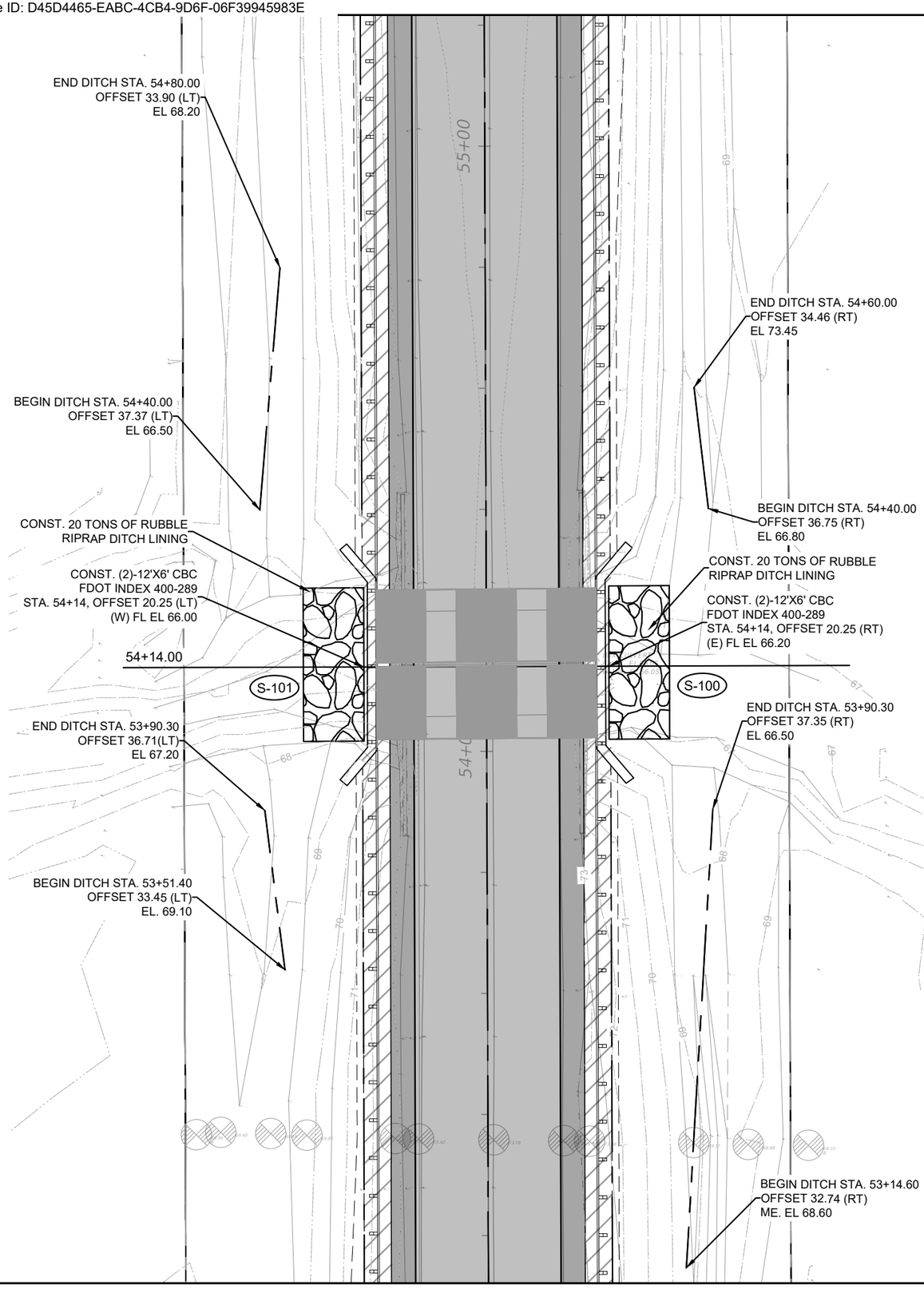
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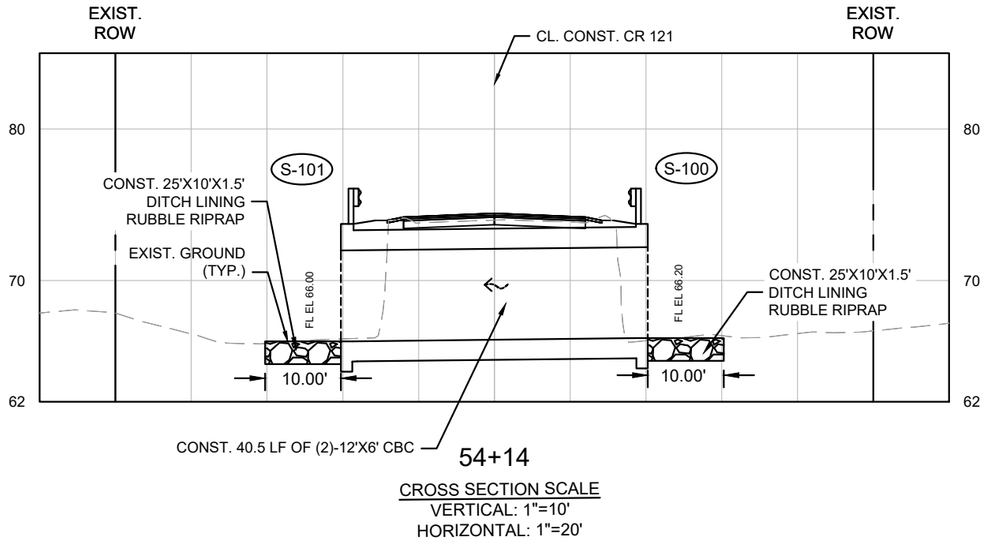
Name, Submitter:	Isabelle Geiger	Date:	10/24/2024
Email address:	isabelle.geiger@kimley-horn.com	Phone No.:	813-528-0918
Engineer, EOR:	Joseph A. Roberts Jr., P.E.		
Firm:	Kimley Horn & Associates		
Firm Address:	200 S. Orange Ave. Suite 600 Orlando FL 32801		

Data submitted must be for proposed, not existing structure.
The plan and elevation sheet must be included with this request form.
Data shall be accurate but may be estimated for items not yet determined. If estimated, so indicate.

NBI Item	Item Description	Item Code / Comment	Coding Help
1	FIPS State/Region	12-Florida/4-Atlanta	
2	District	02 District 2	
	FDOT Financial Project Numer	449196-1-54-01	
3	County	74 Nassau	See Coding Guide Tab
6a	Feature intersected	Branch of Deep Creek	See Coding Guide Tab
7	Facility Carried	CR 121	See Coding Guide Tab
9	Location	0.9 mi N/O US-90	See Coding Guide Tab
11	Mile Point, Route on the Structure	Not Applicable	
11	Mile Point, Route under the Structure	Not Applicable	If Applicable
13a/b	LRS Inventory Route on Structure	74 550 000	Section/Subsection
13a/b	LRS Inventory Route under Structure	Not Applicable	Section/Subsection
21	Maintenance Responsibility	02 County Highway Agency	See Coding Guide Tab
22	Owner	02 County Highway Agency	See Coding Guide Tab
26	Functional Class, Route on the Structure	07 Rural Major Collector	See Coding Guide Tab
26	Functional Class, Route under the Structure	09 Rural Other	See Coding Guide Tab
41	Open/Posted/Closed	F=Proposed	For bridge only
42a	Type of Service, Route on the Structure	1 Highway	See Coding Guide Tab
42b	Type of Service, Route under the Structure	9 Relief for Waterway	See Coding Guide Tab
43a	Main Span Material	1 Concrete	See Coding Guide Tab
43b	Main Span Design	19 Culvert (includes Frame Culverts)	See Coding Guide Tab
48	Legth of Maximum Span (ft.)	12.0	For bridge only
49	Structure Length (ft.)	Approx. 45ft	For bridge only
52	Deck Width (out to out, ft.)	Not Applicable	For bridge only
	Local Bridge Name	CR-121/Branch of Deep Crk	For bridge only
	Type of Sign (If Applicable)		See Coding Guide Tab
	Bridge Height	Low Level (less than 20')	See Coding Guide Tab
	Bridge Use	Carrying two way traffic	See Coding Guide Tab
8x	Previous (Existing) Structure Number	740044	If replacement
8	New Structure Number Assignment	744321	Assigned by FDOT

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E





CROSS SECTION SCALE
VERTICAL: 1"=10'
HORIZONTAL: 1"=20'

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL
DEBORAH LYNN KNIGHTON, P.E.
FLORIDA LICENSE NUMBER
43920
DATE:

KHA PROJECT
045046005
DATE
SEPTEMBER 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

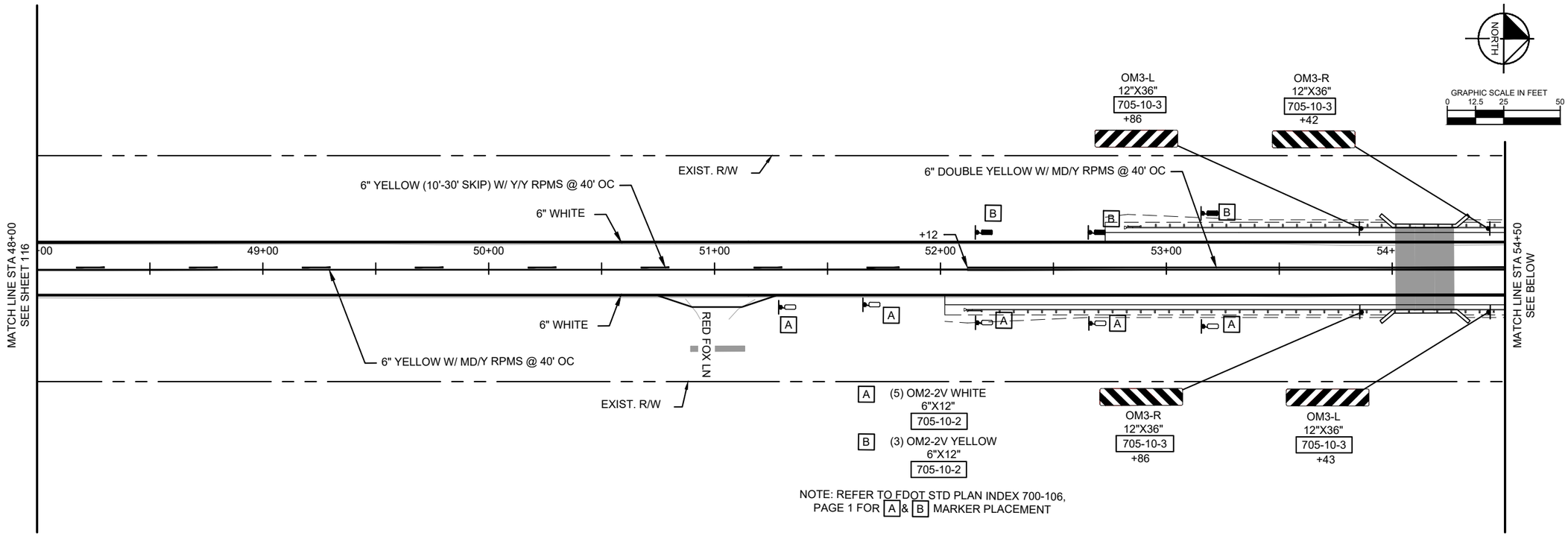
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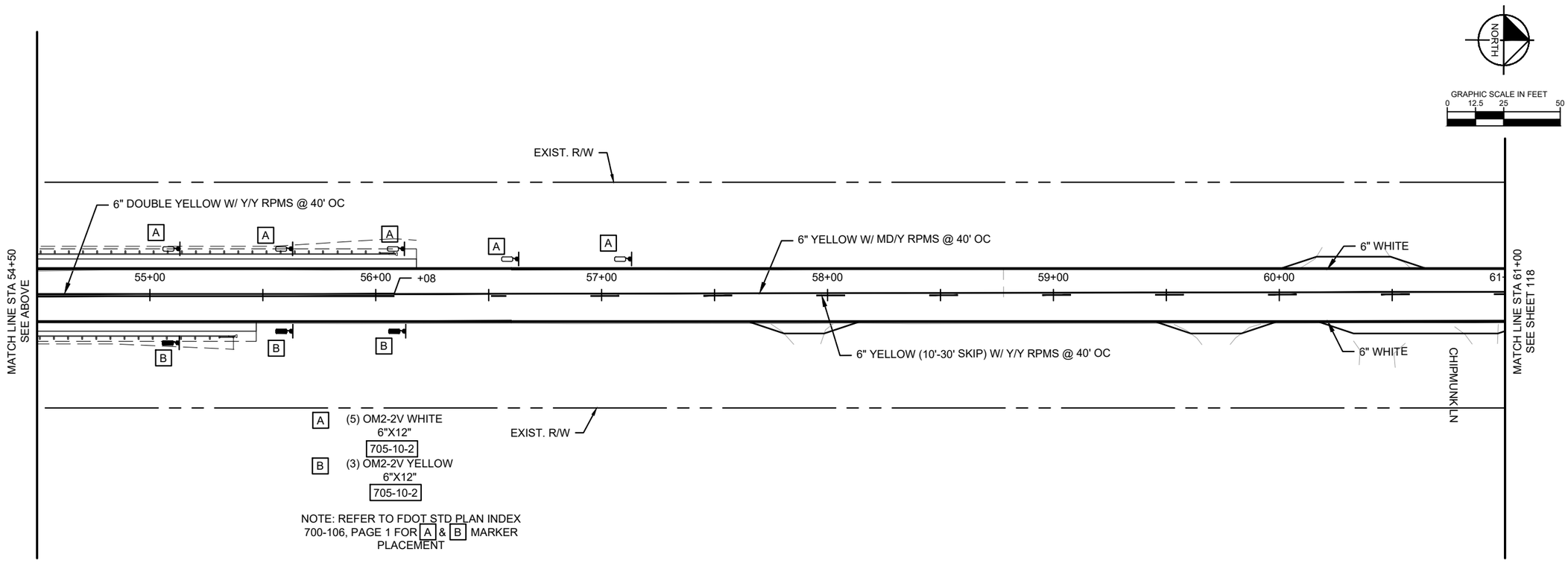
CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
109

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This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

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No.	REVISIONS	DATE	BY

Kimley»Horn

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12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848
DATE: ____

KHA PROJECT 045046005
DATE SEPTEMBER 2024
SCALE AS SHOWN
DESIGNED BY ____
DRAWN BY ____
CHECKED BY ____

SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
117

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This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

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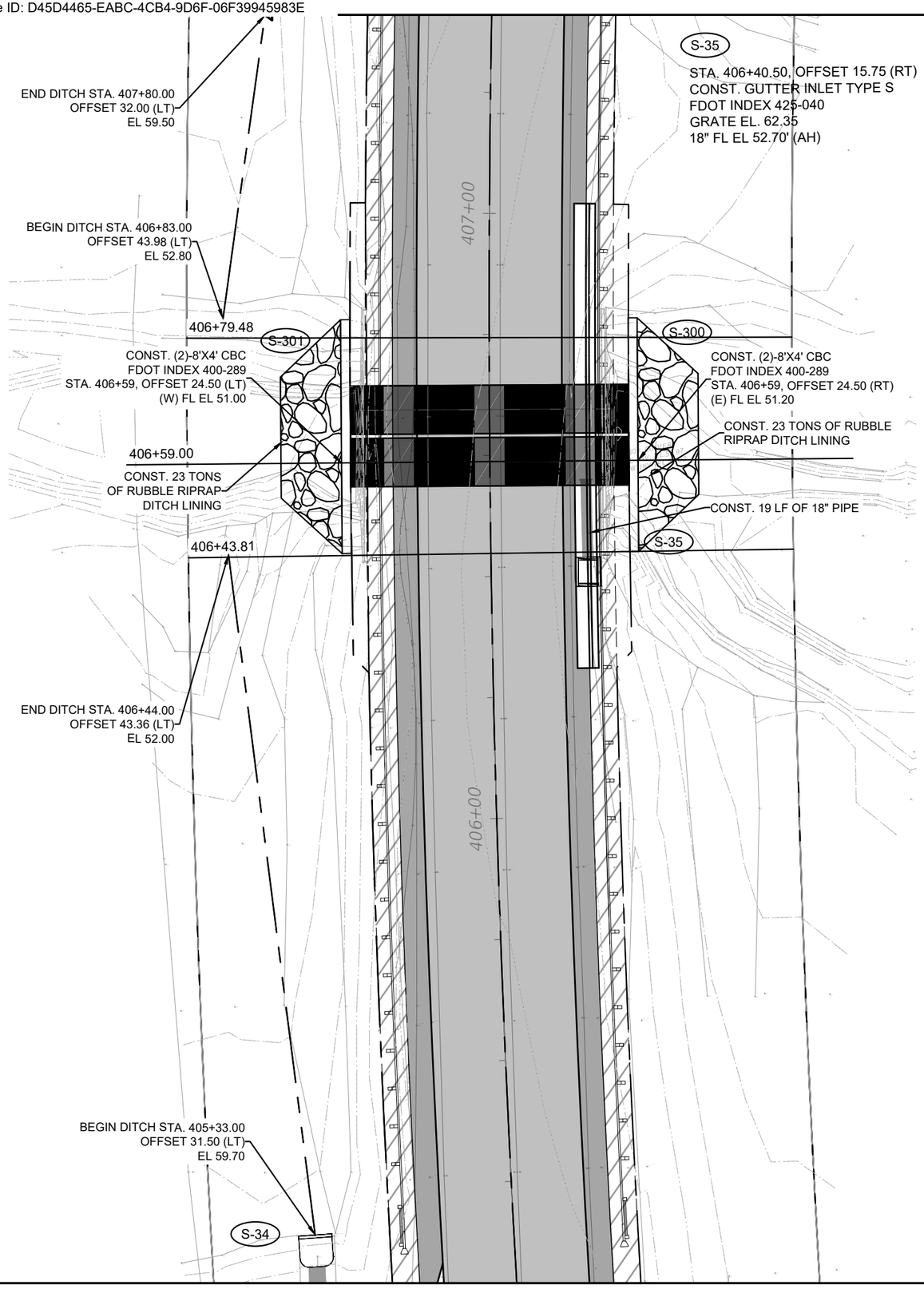
APPENDIX J

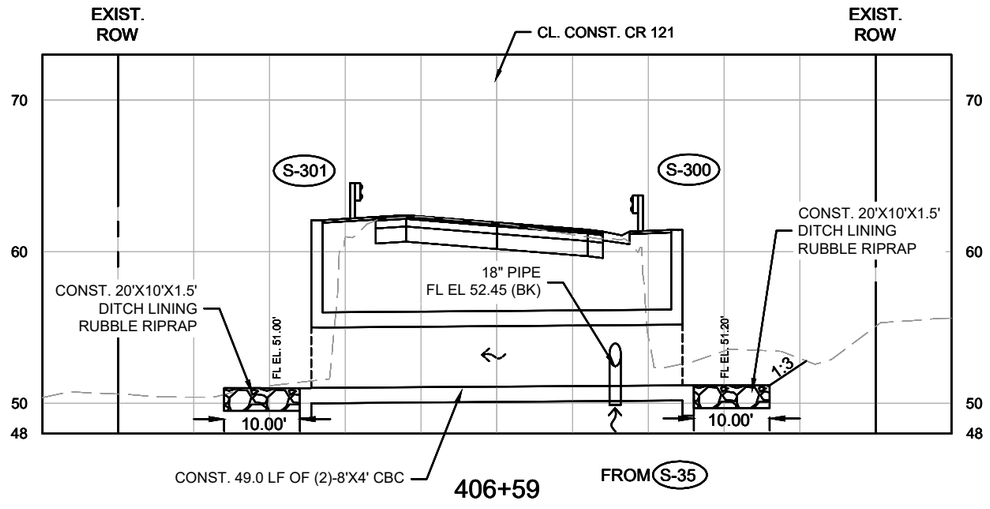
Name, Submitter:	Isabelle Geiger	Date:	11/12/2024
Email address:	isabelle.geiger@kimley-horn.com	Phone No.:	813-528-0918
Engineer, EOR:	Joseph A. Roberts, P.E.		
Firm:	Kimley Horn & Associates		
Firm Address:	200 S. Orange Ave Suite 600 Orlando, FL 32801		

Data submitted must be for proposed, not existing structure.
The plan and elevation sheet must be included with this request form.
Data shall be accurate but may be estimated for items not yet determined. If estimated, so indicate.

NBI Item	Item Description	Item Code / Comment	Coding Help
1	FIPS State/Region	12-Florida/4-Atlanta	
2	District	02 District 2	
	FDOT Financial Project Numer	449196-1-54-01	
3	County	74 Nassau	See Coding Guide Tab
6a	Feature intersected	Creek	See Coding Guide Tab
7	Facility Carried	CR 121	See Coding Guide Tab
9	Location	0.45 Mi S/O CR 119	See Coding Guide Tab
11	Mile Point, Route on the Structure	Not Applicable	
11	Mile Point, Route under the Structure	Not Applicable	If Applicable
13a/b	LRS Inventory Route on Structure	74 550 000	Section/Subsection
13a/b	LRS Inventory Route under Structure	Not Applicable	Section/Subsection
21	Maintenance Responsibility	02 County Highway Agency	See Coding Guide Tab
22	Owner	02 County Highway Agency	See Coding Guide Tab
26	Functional Class, Route on the Structure	07 Rural Major Collector	See Coding Guide Tab
26	Functional Class, Route under the Structure	09 Rural Other	See Coding Guide Tab
41	Open/Posted/Closed	F=Proposed	For bridge only
42a	Type of Service, Route on the Structure	1 Highway	See Coding Guide Tab
42b	Type of Service, Route under the Structure	9 Relief for Waterway	See Coding Guide Tab
43a	Main Span Material	1 Concrete	See Coding Guide Tab
43b	Main Span Design	19 Culvert (includes Frame Culverts)	See Coding Guide Tab
48	Legth of Maximum Span (ft.)	8.0	For bridge only
49	Structure Length (ft.)	17.0	For bridge only
52	Deck Width (out to out, ft.)	Not Applicable	For bridge only
	Local Bridge Name	CR-121 Over Creek	For bridge only
	Type of Sign (If Applicable)		See Coding Guide Tab
	Bridge Height	Low Level (less than 20')	See Coding Guide Tab
	Bridge Use	Carrying two way traffic	See Coding Guide Tab
8x	Previous (Existing) Structure Number	NQ7415	If replacement
8	New Structure Number Assignment	7436	Assigned by Nassau County

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Plotted By:DeSanno, Olivia (Unsaid) Sheet Set:CR 121 Phase 1 Layout:406+59 November 05, 2024 05:05:59pm K:\JAX_Roadway\045046005_CR 121\CADD\drainage\PLANDR01.dwg
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No.	REVISIONS	DATE	BY

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PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL
DEBORAH LYNN KNIGHTON, P.E.
FLORIDA LICENSE NUMBER 43920
DATE: ——

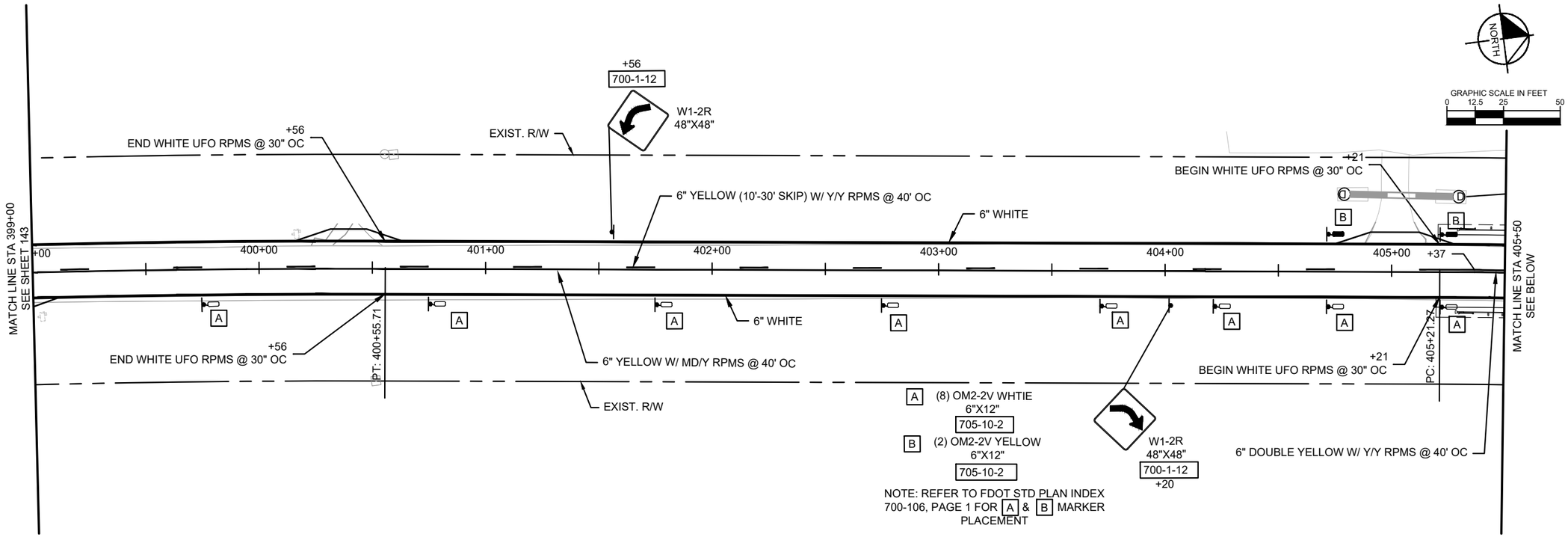
KHA PROJECT 045046005
DATE SEPTEMBER 2024
SCALE AS SHOWN
DESIGNED BY ——
DRAWN BY ——
CHECKED BY ——

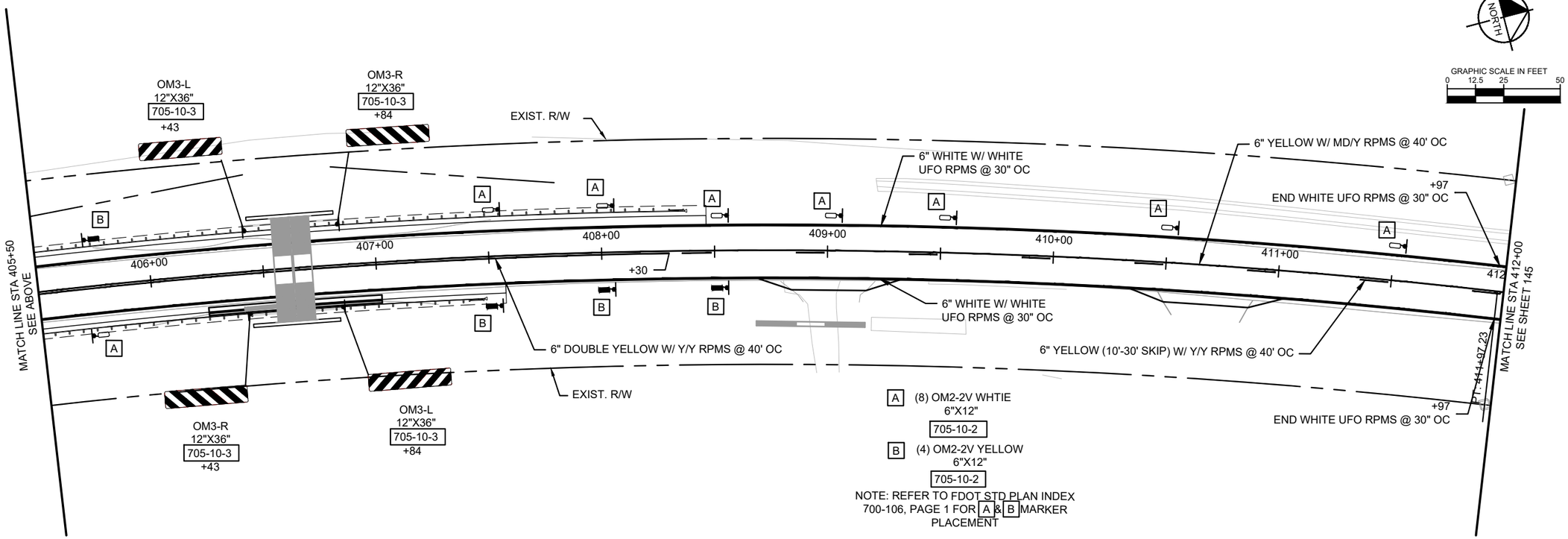
BOX CULVERT DETAILS

CR 121 PHASE 1
NASSAU COUNTY FLORIDA

SHEET NUMBER
111

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E





No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL
JESSICA NOVAK, P.E.
FLORIDA LICENSE NUMBER
90848
DATE:

KHA PROJECT
045046005
DATE
SEPTEMBER 2024
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

SIGNING AND PAVEMENT MARKING

CR 121 PHASE 1
NASSAU COUNTY
FLORIDA

SHEET NUMBER
144

Plotted By:Cremaans, Alex Sheet Set:CR 121 Phase 1 Layout:Sheet -29 September 20, 2024 02:14:40pm K:\JAX_Roadway\045046005_CR 121\CADD\signing\PLANSP03.dwg
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APPENDIX K
Technical Specifications

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TECHNICAL SPECIFICATIONS

1. GENERAL

1.1. Except as may be otherwise specified on the plans or herein, the applicable sections of the Florida Department of Transportation (FDOT), FY 2024-25 Standard Specifications for Road and Bridge Construction and applicable Interim Revisions (Irs), referred to hereinafter as the Standard Specifications, shall apply. All references in the Standard Specifications to the Department or Department's State Materials and Research Engineer at Gainesville shall be deleted and Nassau County Engineer or Authorized Representative inserted. Online versions of the Standard Specifications are available at the following website: https://www.fdot.gov/programmanagement/Implemented/SpecBooks.

1.2. Except as may be otherwise shown in the plans or specified herein, the applicable details of the State of Florida Department of Transportation, Design Standards, FY 2023-2024, shall apply. Online versions of the Design Standards eBook (DSeB) and applicable Design Standards Revisions (DSRs) are available at the following website: https://www.fdot.gov/design/standardplans/.

1.3. Contractor shall pay for the services of an independent testing laboratory to perform all tests required by the contract documents.

1.4. No additional payment will be made for Superpave Asphalt Concrete installed thicker than what is shown on the plans, nor will any increased pay factors be accepted. Tonnage will be calculated by plan area multiplied by a density of 110 pounds per square yard per inch thickness.

END OF SECTION

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APPENDIX E

GENERAL INFORMATION AND MINIMUM INSURANCE REQUIREMENTS

COMMERCIAL GENERAL LIABILITY INSURANCE

The Vendor/Contractor shall purchase and maintain at the Contractor's expense Commercial General Liability insurance coverage (ISO or comparable Occurrence Form) for the life of this Contract. Modified Occurrence or Claims Made forms are not acceptable.

The Limits of this insurance shall not be less than the following limits:

Each Occurrence Limit	$1,000,000
Personal & Advertising Injury Limit	$1,000,000
Products & Completed Operations Aggregate Limit	$2,000,000
General Aggregate Limit (other than Products & Completed Operations) Applies Per Project	$2,000,000

General liability coverage shall continue to apply to "bodily injury" and to "property damage" occurring after all work on the Site of the covered operations to be performed by or on behalf of the additional insureds has been completed and shall continue after that portion of "your work" out of which the injury or damage arises has been put to its intended use.

WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE

The Vendor/Contractor shall purchase and maintain at the Contractor's expense Workers' Compensation and Employer's Liability insurance coverage for the life of this Contract.

The Limits of this insurance shall not be less than the following limits:

Part One – Workers' Compensation Insurance – Unlimited Statutory Benefits as provided in the Florida Statutes and	
Part Two – Employer's Liability Insurance	
Bodily Injury By Accident	$500,000 Each Accident
Bodily Injury By Disease	$500,000 Policy Limit
Bodily Injury By Disease	$500,000 Each Employee

*If leased employees are used, policy must include an Alternate Employer's Endorsement

AUTOMOBILE LIABILITY INSURANCE

The Vendor/Contractor shall purchase and maintain at the Contractor's expense Automobile Liability insurance coverage for the life of this Contract.

The Limits of this insurance shall not be less than the following limits:

Combined Single Limit – Each Accident	$1,000,000

Covered Automobiles shall include any auto owned or operated by the insured Vendor/Contractor, including autos which are leased, hired, rented or borrowed, including autos owned by their employees which are used in connection with the business of the respective Vendor/Contractor.

UMBRELLA (EXCESS) LIABILITY INSURANCE

The Vendor/Contractors hall purchase and maintain at the Subcontractor's expense Excess Liability (Umbrella Form) insurance coverage for the life of this Subcontract.

The Limits of this insurance shall not be less than the following limits:

Each Occurrence Limit	$2,000,000
Aggregate Limit	$2,000,000

ENVIRONMENTAL LIABILITY INSURANCE

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This additional coverage will be required by any Contractor performing environmental and/or other investigations involving excavation, drilling, or other site disturbance activities.

The Contractor shall purchase and maintain at the Contractor's expense Environmental Liability insurance (Contractors Pollution Liability) coverage for the life of this Contract.

The Limits of insurance shall not be less than the following limits: $1,000,000 Each Loss/Aggregate

Such Coverage will include bodily injury, sickness, and disease, mental anguish or shock sustained by any person, including death; property damage including physical injury to destruction of tangible property including resulting loss of use thereof, cleanup costs, and the loss of use of tangible property that has not been physically injured or destroyed; defense including costs charges and expenses incurred in the investigation, adjustment or defense of claims for such compensatory damages; coverage for losses caused by pollution conditions that arises from the operations of the contractor including transportation.

Vendor/Contractor shall require each of his Subcontractors to likewise purchase and maintain at their expense Commercial General Liability insurance, Workers' Compensation, Employer's Liability, Auto Liability, Umbrella Liability & Environmental Liability insurance coverage meeting the same limit and requirements as the Contractors insurance.

Certificates of Insurance and the insurance policies required for this Agreement shall contain –

- **Endorsement that coverage afforded under the policies will not be cancelled or allowed to expire until at least thirty (30) days prior written notice has been given to Nassau County Board of County Commissioners.**
  - **Nassau County Board of County Commissioners must be named as an Additional Insured and endorsed onto the Commercial General Liability (CGL), Auto Liability and Umbrella Liability policy (ies).**
  - **CGL policy for construction related contracts –**
    - **Additional Insured Endorsement must include Ongoing and Completed**
    - **CGL policy shall not be endorsed with Contractual Liability Limitation Endorsement or Amendment of Insured Contract Definition**
    - **CGL policy shall include broad form contractual liability coverage for the Contractors covenants to and indemnification of the Authority under this Contract**
- **Provision under General Liability, Auto Liability and Workers' Compensation to include a Waiver of Subrogation clause in favor of Nassau County Board of County Commissioners.**
- **Provision that policies, except Workers' Compensation, are primary and noncontributory.**

All Insurers must be authorized to transact insurance business in the State of Florida as provided by Florida Statute 624.09(1) and the most recent Rating Classification/Financial Category of the insurer as published in the latest edition of "Best's Key Rating Guide' (Property-Casualty) must be at least A- or above.

All of the above referenced Insurance coverage is required to remain in force for the duration of this Agreement and for the duration of the warranty period. Accordingly, at the time of submission of final application for payment, Vendor/Contractor shall submit an additional Certificate of Insurance evidencing continuation of such coverage.

If the Vendor/Contractor fails to procure, maintain or pay for the required insurance, Nassau County Board of County Commissioners shall have the right (but not the obligation) to secure same in the name of and for the account of Vendor/Contractor, in which event, Vendor/Contractor shall pay the cost thereof and shall furnish upon demand, all information required to procure such insurance. Nassau County Board of County Commissioners shall have the right to back-charge Vendor/Contractor for the cost of procuring such insurance. The failure of Nassau County Board of County Commissioners to demand certificates of insurance and endorsements evidencing the required insurance or to identify any deficiency in Vendor/Contractors coverage based on the evidence of insurance provided by the Vendor/Contractor shall not be construed as a waiver by Nassau County Board of County Commissioners of Vendor/Contractor's obligation to procure, maintain and pay for required insurance.

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The insurance requirements set forth herein shall in no way limit Vendor/Contractors liability arising out of the work performed under the Agreement or related activities. The inclusions, coverage and limits set forth herein are minimum inclusion, coverage and limits. The required minimum policy limits set forth shall not be construed as a limitation of Vendor/Contractor's right under any policy with higher limits, and no policy maintained by the Vendor/Vendor/Contractor shall be construed as limiting the type, quality or quantity of insurance coverage that Vendor/Vendor/Contractor should maintain. Vendor/Vendor/Contractor shall be responsible for determining appropriate inclusions, coverage and limits, which may be in excess of the minimum requirements set forth herein.

If the insurance of any Vendor/Vendor/Contractor or any Sub-Vendor/Vendor/Contractor contains deductible(s), penalty(ies) or self-insured retention(s), the Vendor/Vendor/Contractor or Sub-Vendor/Vendor/Contractor whose insurance contains such provision(s) shall be solely responsible for payment of such deductible(s), penalty(ies) or self-insured retention(s).

The failure of Vendor/Vendor/Contractor to fully and strictly comply at all times with the insurance requirements set forth herein shall be deemed a material breach of the Agreement.

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APPENDIX - M

Nassau County Bid Schedule

Line Items for Project Resurfacing and Safety Improvements (Phase 1) CR 121 From Duval County Line to CR 119 (NC25-012-ITB)

Issued on 04/04/2025

Bid Due on May 07, 2025 10:00 AM (EDT)

Item Num	Section	Item Code	Item Description	Unit of Measure	Quantity
1	Roadway Components	101-1	MOBILIZATION	LS	1
2	Roadway Components	102-1	MAINTENANCE OF TRAFFIC	LS	1
3	Roadway Components	104-10-3	SEDIMENT BARRIER	LF	72279
4	Roadway Components	110-1-1	CLEARING & GRUBBING	AC	42.774449
5	Roadway Components	110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	SF	2300
6	Roadway Components	110-7-1	MAILBOX, F&I SINGLE	EA	98
7	Roadway Components	120-1	REGULAR EXCAVATION	CY	1174
8	Roadway Components	120-4	SUBSOIL EXCAVATION	CY	2814.814815
9	Roadway Components	120-6	EMBANKMENT	CY	5715
10	Roadway Components	160-4	TYPE B STABILIZATION	SY	131671.8667
11	Roadway Components	285-709	OPTIONAL BASE, BASE GROUP 09	SY	107997.3111
12	Roadway Components	327-70-7	MILLING EXISTING ASPHALT PAVEMENT, 4" AVG DEPTH	SY	8900
13	Roadway Components	334-1-52	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG76-22	TN	9375.74
14	Roadway Components	337-7-81	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC B, FC-12.5, PG 76-22	TN	8995.483333
15	Roadway Components	339-1	MISCELLANEOUS ASPHALT PAVEMENT	TN	62.344444
16	Roadway Components	520-6	SHOULDER GUTTER- CONCRETE	LF	77
17	Roadway Components	522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	86.8
18	Roadway Components	536-1-1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	1219
19	Roadway Components	536-7-2	SPECIAL GUARDRAIL POST- SPECIAL STEEL POST FOR CONCRETE STRUCTURE MOUNT	EA	26
20	Roadway Components	536-73	GUARDRAIL REMOVAL	LF	868.05
21	Roadway Components	536-85-24	GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL	EA	12
22	Roadway Components	570-1-2	PERFORMANCE TURF, SOD	SY	74548
23	Roadway Components	N/A	MISC DRIVEWAY TIE-IN MATERIAL	SY	670
24	DRAINAGE COMPONENTS	400-4-1	CONCRETE CLASS IV, CULVERTS	CY	359.4
25	DRAINAGE COMPONENTS	415-1-1	REINFORCING STEEL- ROADWAY	LB	65309
26	DRAINAGE COMPONENTS	425-1-701	INLETS, GUTTER, TYPE S, <10'	EA	1
27	DRAINAGE COMPONENTS	425-2-41	MANHOLES, P-7, <10'	EA	1
28	DRAINAGE COMPONENTS	425-2-71	MANHOLES, J-7, <10'	EA	1
29	DRAINAGE COMPONENTS	430-94-1	DESILTING PIPE, 0-24"	LF	553
30	DRAINAGE COMPONENTS	430-94-2	DESILTING PIPE, 25"-36"	LF	514
31	DRAINAGE COMPONENTS	430-94-3	DESILTING PIPE, 37"-48"	LF	120
32	DRAINAGE COMPONENTS	430-175-115	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15"S/CD	LF	27
33	DRAINAGE COMPONENTS	430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	31
34	DRAINAGE COMPONENTS	430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	128
35	DRAINAGE COMPONENTS	430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	38
36	DRAINAGE COMPONENTS	430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	58
37	DRAINAGE COMPONENTS	430-536-200	STRAIGHT CONCRETE ENDWALLS, 36", DOUBLE, 0 DEGREES, ROUND	EA	2
38	DRAINAGE COMPONENTS	430-982-123	MITERED END SECTION, OPTIONAL ROUND, 15" CD	EA	2

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39	DRAINAGE COMPONENTS	430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	2
40	DRAINAGE COMPONENTS	430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	36
41	DRAINAGE COMPONENTS	430-982-133	MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA	5
42	DRAINAGE COMPONENTS	530-3-4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	149.6
43	DRAINAGE COMPONENTS	530-74	BEDDING STONE	TN	107.41
44	SIGNING AND PAVEMENT MARKING	700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	21
45	SIGNING AND PAVEMENT MARKING	700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	4
46	SIGNING AND PAVEMENT MARKING	700-1-50	SINGLE POST SIGN, RELOCATE	EA	40
47	SIGNING AND PAVEMENT MARKING	700-1-60	SINGLE POST SIGN, REMOVE	EA	9
48	SIGNING AND PAVEMENT MARKING	700-13-15	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'	EA	6
49	SIGNING AND PAVEMENT MARKING	705-10-1	OBJECT MARKER, TYPE 1	EA	3
50	SIGNING AND PAVEMENT MARKING	705-10-2	OBJECT MARKER, TYPE 2	EA	105
51	SIGNING AND PAVEMENT MARKING	705-10-3	OBJECT MARKER, TYPE 3	EA	12
52	SIGNING AND PAVEMENT MARKING	706-1-3	RAISED PAVEMENT MARKER, TYPE B	EA	9024
53	SIGNING AND PAVEMENT MARKING	711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	155
54	SIGNING AND PAVEMENT MARKING	711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	1
55	SIGNING AND PAVEMENT MARKING	711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	14.969864
56	SIGNING AND PAVEMENT MARKING	711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	4.823114
57	SIGNING AND PAVEMENT MARKING	711-16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	6.414939
58	SIGNING AND PAVEMENT MARKING	710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1
59	BRANDY BRANCH PLACE PAVING	334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	56.466667
60	BRANDY BRANCH PLACE PAVING	570-1-2	PERFORMANCE TURF, SOD	SY	2026.654

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APPENDIX N

CONTRACTOR E-VERIFY AFFIDAVIT

I hereby certify that _____(Contractor Company Name) does not employ, contract with, or subcontract with an unauthorized alien, and is otherwise in full compliance with Section 448.095, Florida Statutes.

All employees hired on or after January 1, 2021 have had their work authorization status verified through the E-Verify system.

A true and correct copy of _____ (Contractor Company Name) proof of registration in the E-Verify system is attached to this Affidavit.

_____

Print Name:_____

Date:_____

STATE OF FLORIDA

COUNTY OF _____

The foregoing instrument was acknowledged before me by means of □physical presence or □online notarization, this _____ (Date) by _____(Name of Officer or Agent, Title of Officer or Agent) of _____(Name of Contractor Company Acknowledging), a _____(State or Place of Incorporation) Corporation, on behalf of the Corporation. He/She is personally known to me or has produced _____ as identification.

_____
Notary Public

_____
Printed Name

My Commission Expires: _____

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APPENDIX N-1

SUBCONTRACTOR E-VERIFY AFFIDAVIT

I hereby certify that _____(Subcontractor Company Name) does not employ, contract with, or subcontract with an unauthorized alien, and is otherwise in full compliance with Section 448.095, Florida Statutes.

All employees hired on or after January 1, 2021 have had their work authorization status verified through the E-Verify system.

A true and correct copy of _____ (Subcontractor Company Name) proof of registration in the E-Verify system is attached to this Affidavit.

_____

Print Name:_____

Date:_____

STATE OF FLORIDA

COUNTY OF _____

The foregoing instrument was acknowledged before me by means of □physical presence or □online notarization, this _____ (Date) by _____(Name of Officer or Agent, Title of Officer or Agent) of _____(Name of Contractor Company Acknowledging), a _____(State or Place of Incorporation) Corporation, on behalf of the Corporation. He/She is personally known to me or has produced _____ as identification.

_____
Notary Public

_____
Printed Name

My Commission Expires: _____

Docusign Envelope ID: D45D4465-EABC-4CB4-9D6F-06F39945983E

COMPLIANCE WITH ANTI-HUMAN TRAFFICKING LAWS AFFIDAVIT
Section 787.06, Florida Statutes
Contract, contract renewals and contract extensions

Before me the undersigned authority, personally appeared _____, whom after being duly sworn, deposes and states:
Affiant

1. I am over the age of 18 years of age and I have personal knowledge of the matters set forth herein.
2. I am a corporate officer or other authorized person with _____, a non-governmental entity. I assert and acknowledge that I have legal authorization to contractually bind the non-governmental entity.
3. The non-governmental entity does not use coercion for labor or services, as defined in Section 787.06, Florida Statutes.
4. This declaration is made pursuant to Section 92.525, Florida Statutes. I understand that making a false statement in this declaration may subject me to criminal penalties.

Under penalties of perjury, I declare that I have read the foregoing Anti-Human Trafficking Laws Affidavit and that the facts stated in it are true.

Signature: _____

Firm Name: _____

Title: _____

Date: _____

Acknowledgment

STATE OF _____
COUNTY OF _____

The foregoing Affidavit was acknowledged before me by means of [ ] physical presence or [ ] online notarization this _____ day of _____, 20__, by _____ who is personally known to me or who has produced _____ as identification.

[Notary Seal] Signature:_____

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CONTRACTING WITH FOREIGN ENTITIES OF CONCERN
COMPLIANCE AFFIDAVIT
Section 287.138, Florida Statutes
Contract, contract renewals and contract extensions

Before me the undersigned authority, personally appeared _____, whom after being duly sworn, deposes and states:
Affiant

1. I am over the age of 18 years of age and I have personal knowledge of the matters set forth herein.
2. I am a corporate officer or other authorized person with _____, a non-governmental entity hereinafter "Vendor". I assert and acknowledge that I have legal authorization to contractually bind the non-governmental entity.
3. I hereby certify that pursuant to Section 287.138, Florida Statues:
    a. Vendor is not owned by a government of a foreign country of concern;
    b. a government of a foreign country of concern does not have a "controlling interest" in Vendor, as defined by Section 287.138(1)(a), Florida Statutes; and
    c. Vendor is not organized under the law of nor has its principal place of business in a foreign country of concern.
    d. For the purposes of this affidavit, foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolás Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.
4. This Affidavit is executed in accordance with Section 287.138, Florida Statutes, for the purposes of preventing the County from entering contracts with foreign entities of concern which would provide Vendor access to an individual's personal identifying information.

Signature: _____

Firm Name: _____

Title: _____

Date: _____

Acknowledgment

STATE OF _____
COUNTY OF _____

The foregoing Affidavit was acknowledged before me by means of [ ] physical presence or [ ] online notarization this _____ day of _____, 20__, by _____ who is personally known to me or who has produced _____ as identification.

[Notary Seal] Signature:_____