

CONTRACT FOR MINER ROAD WIDENING

THIS CONTRACT is dated as of the 11th day of May in the year 2020 by and between **Nassau County Board of County Commissioners** (County) and **CGC, Inc.** (Contractor). County and Contractor, in consideration of the mutual covenants hereinafter set forth, agree as follows:

ARTICLE 1 - WORK

1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows:

- Clearing & Grubbing
- Widening of existing asphalt pavement
- Resurfacing of existing asphalt pavement
- Drainage Structure
- Concrete Curb & Gutter, Type F
- Concrete Sidewalk
- Removal of Existing Concrete
- Earthworks
- Sodding
- Erosion Control
- Traffic maintenance and protection
- Signing & Pavement Markings
- Signalizations

All work shall be in accordance with the construction drawings, specifications, and contract documents.

ARTICLE 2 - THE PROJECT

2.01 The Project for which the Work under the Contract Documents may be the whole or only a part is generally described as follows:

**Miner Road Widening
Bid Number NC20-003
Nassau County, Florida**

ARTICLE 3 - ENGINEER OF RECORD

- 3.01** The Project has been designed by Civil Services, Inc., who is to act as the County's representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer of Record in the Contract Documents in connection with completion of the Work in accordance with the Contract Documents.

ARTICLE 4 - CONTRACT TIMES**4.01 Time 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.
- B. The Contractor hereby agrees to commence work under this contract on a date to be specified in written "Notice to Proceed" of the County and to fully complete the project as specified in Section 4.02 of this Contract.

4.02 Days to Achieve Substantial Completion and Final Payment

The Work will be substantially completed within 90 days after the date when the Contract Times commence to run as provided in Paragraph 2.03 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions within 30 calendar days from the date of substantial completion. Total contract time shall be 120 calendar days; for everyday the work goes beyond substantial completion; a day will be removed from final completion so the total days equal 120 calendar days.

4.03 Liquidated Damages

- A. Contractor and the County recognize that time is of the essence of this Contract and that the County will suffer financial loss if the Work is not completed within the times specified in Paragraph 4.02 above, plus any extensions thereof allowed in accordance with Article 12 of the General Conditions. The parties also recognize the delays, expense, and difficulties involved in proving in legal or arbitration proceeding the actual loss suffered by the County if the Work is not completed on time. Accordingly, instead of requiring any such proof, the County and Contractor agree that as liquidated damages for delay (but not as a penalty) Contractor shall pay the County \$1,000.00 for each day that expires after the time specified in Paragraph 4.02 for Substantial Completion and until the Work is substantially complete. After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Time or any proper extension thereof granted by the County, Contractor shall pay the County \$500.00 for each day that expires after the time specified in Paragraph

4.02 for completion and readiness for final payment until the Work is completed and ready for final payment.

ARTICLE 5 - CONTRACT PRICE

5.01 The County shall pay Contractor for completion of the Work in accordance with the Contract Documents an amount in current funds equal to the sum of the amounts determined pursuant to Paragraph 25 "Payments to Contractor" of the General Conditions and Paragraphs 5.01A and 5.01 B below:

- A. For all Work, at the prices stated in the Contractor's Bid, attached hereto as Exhibit 2.

- B. For all Unit Price Work, an amount equal to the sum of the established unit price for each separately identified item of Unit Price Work times the estimated quantity of that item as indicated in Contractor's Bid (attached hereto as an exhibit) for a Total of All Unit Prices of:

One hundred Seventy-Four Thousand Two Hundred Twenty-Five Dollars Eighty-Seven Cents
(use words)

\$174,225.87
(figures)

As provided in Paragraph 11.03 of the General Conditions, estimated quantities are not guaranteed, and determinations of actual quantities and classification are to be made by Engineer of Record as provided in paragraph 9.07 of the General Conditions. The final payment for all Unit Price Work shall be an amount equal to the sum of the established unit price for each separately identified item of Unit Price Work times the actual completed and accepted quantity of each item. Unit prices have been computed as provided in Paragraph 11.03 of the General Conditions.

ARTICLE 6 - PAYMENT PROCEDURES

6.01 Submittal and Processing of Payments

- A. Contractor shall submit Applications for Payment in accordance with Article 14 of the General Conditions. Applications for Payment will be processed by the County as provided in the General Conditions.

6.02 Progress Payments; Retainage

- A. The County shall make progress payments on account of the Contract Price on the basis of Contractor's Applications for Payment once each month during performance of the

Work as provided in Paragraphs 6.02.A.1 and 6.02.A.2 below. All such payments will be measured by the schedule of values established as provided in Paragraph 2.07.A of 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 in the General Requirements:

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 Engineer of Record may determine or the County may withhold, including but not limited to liquidated damages, in accordance with Paragraph 14.02 of the General Conditions:
 - a. 90 percent of the Work completed (with the balance being retainage)
 - b. 90 percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage).

2. Upon Substantial Completion, the County shall pay an amount sufficient to increase total payments to Contractor to 95 percent of the Contract Price (with the balance being retainage), less such amounts as Engineer of Record shall determine or the County may withhold, for incomplete work and for other items in accordance with Paragraph 14.02 of the General Conditions.

6.03 Final Payment

- A. Upon final completion and acceptance of the Work in accordance with Paragraph 14.07 of the General Conditions, the County shall pay the remainder of the Contract Price as recommended by Engineer of Record as provided in said Paragraph 14.07.

- B. Final Release of Retainage and acceptance of the project must be approved by the Board of County Commissioners.

ARTICLE 7 - INTEREST

- 7.01** All moneys not paid when due as provided in Article 14 of the General Conditions shall bear interest at the rate of 0 percent per annum.

ARTICLE 8 - CONTRACTOR'S REPRESENTATIONS

- 8.01** In order to induce the County to enter into this Contract, Contractor makes the following representations:
- A. Contractor has examined and carefully studied the Contract Documents and the other related data identified in the Bidding Documents.

- B. Contractor 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. Contractor 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. Contractor 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 4.02 of the General Conditions and (2) reports and drawings of a Hazardous Environmental Condition, if any, at the Site which has been identified in the Supplementary Conditions as provided in Paragraph 4.06 of the General Conditions.
- E. Contractor 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 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 Contractor, including applying the specific means, methods, techniques, sequences, and procedures of construction, if any, expressly required by the Bidding Documents, and safety precautions and programs incident thereto.
- F. Contractor does not consider that any additional 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 Documents.
- G. Contractor is aware of the general nature of work to be performed by the County and others at the Site that relates to the Work as indicated in the Contract Documents.
- H. Contractor has correlated the information known to Contractor, information and observations obtained from visits to the Site, reports and drawings identified in the Contract Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.
- I. Contractor has given Engineer of Record written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by Engineer of Record is acceptable to Contractor.

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

ARTICLE 9 - CONTRACT DOCUMENTS

9.01 Contents

- A. The Contract Documents consist of the following:
1. This Contract
 2. Project Manual
 - a. Project Manual Table of Contents
 - b. General Conditions
 - c. Supplementary Conditions
 - d. Technical Specifications
 - e. Appendixes
 - f. Addenda, if any
 3. Exhibits to this Contract (enumerated as follows):
 1. General Information and Minimum Insurance Requirements
 2. Contractor's Bid
 4. Documentation submitted by Contractor prior to Notice of Award, if any
 5. Drawing Index, if any
 6. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:
 - a. Payment Bond
 - b. Performance Bond
 - c. Certificate of Liability Insurance
 - d. Notice to Proceed
 - e. Work Change Directives
 - f. Change Orders
 - g. Certificate of Substantial Completion
 - h. Certificate of Final Inspection
 - i. Certificate of Engineer
 - j. Certificate of Final Completion
 - k. CONTRACTOR'S release of Performance Bond
 - l. Construction Drawings and plans/As-Built Drawings
 - m. Supplemental Contracts
 - n. CONTRACTOR'S Waiver of Lien (Partial)
 - o. CONTRACTOR'S Waiver of Lien (Final and Complete)
 - p. Subcontractor/Vendor's Waiver of Lien (Final and Complete)
 - q. Consent of Surety to Final Payment
 - r. CONTRACTOR'S Insurance Requirements, as set forth in the Bid Documents

- B. The documents listed in Paragraph 9.01.A are attached to this Contract (except as expressly noted otherwise above).
- C. There are no Contract Documents other than those listed above in this Article 9.
- D. The Contract Documents may only be amended, modified, or supplemented as provided in paragraph 3.04 of the General Conditions.

ARTICLE 10 - MISCELLANEOUS

10.01 Terms

- A. Terms used in this Contract will have the meanings indicated in the General Conditions and the Supplementary Conditions.

10.02 Assignment of Contract

- A. No assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, moneys that may become due and moneys that are 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 Documents.

10.03 Successors and Assigns

- A. The County and Contractor each binds itself, its partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, and legal representatives in respect to all covenants, Contracts, and obligations contained in the Contract Documents.

10.04 Severability

- A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon the County and Contractor, who agree that the Contract Documents shall 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.

10.05 Other Provisions

None

IN WITNESS WHEREOF, the County and Contractor have signed this Contract in its entirety with a copy all being delivered to the County, Contractor, and Engineer of Record. All portions of the Contract Documents have been signed or identified by the County and Contractor or identified by Engineer of Record on their behalf.

This Contract will be effective on the date on which the Contract is signed and delivered by the last of the two parties to sign and deliver (which is the Effective Date of the Contract).

COUNTY

Nassau County Board of County Commissioners

Signed: [Signature]

Title: Chairman

Date: May 11, 2020

[CORPORATE SEAL]

Attest: [Signature]

Title: Ex-Officio Clerk

Address for giving notices:

County Manager

96135 Nassau Place Suite 6

Yulee, Florida 32097

Phone: (904) 530-6010 FAX: (904) 321-5784

MES
05-12-20

CONTRACTOR

CGC, Inc.

Signed: [Signature]

Richard C. Gaskin, Jr.

Title: President

Date: April 29, 2020

[CORPORATE SEAL]

Attest: [Signature]

Richard C. Gaskin

Title: Vice President

Address for giving notices:

7036 W. 12th Street

Jacksonville, FL 32220

Phone: (904) 783-4119 FAX: (904) 783-3401

License CGC1524573 / CUC1225351

(Where applicable)

Approved as to form by County Attorney

Agent for service of process:

Signature

(If Owner/County is a corporation, attach evidence of authority to sign. If Owner/County is a public body, attach evidence of authority to sign and resolution or other documents authorizing execution of Owner-Contractor Agreement.)

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

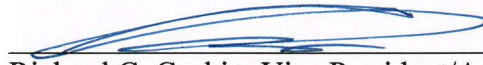
STATE OF FLORIDA
COUNTY OF DUVAL

(seal)

I HEREBY CERTIFY

THAT Richard C. Gaskin, Jr., is President/Secretary of CGC, Inc., located at 7036 W 12th St., Jacksonville, FL 32220 and he is hereby authorized to execute the Bid Documents dated, April 29, 2020, and that his execution thereof, attested by the Vice President/Assistant Secretary of the corporation and with corporate seal affixed, shall be the official act and deed of this corporation.

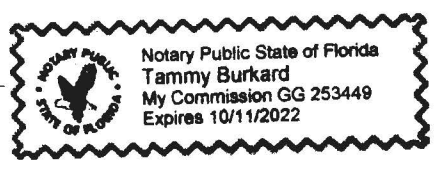
IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the corporation this 29th day of April, 2020.


Richard C. Gaskin, Vice President/Assistant Secretary

Sworn and subscribed to me this 29th day of April, 2020

Notary Public


Signature



Tammy Burkard
Printed

My Commission Expires: 10/11/2022

PROJECT MANUAL

MINER ROAD WIDENING

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SECTION 00 72 15

**STANDARD GENERAL CONDITIONS
OF THE CONSTRUCTION CONTRACT**

Prepared by

ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE

and

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CONSTRUCTION SPECIFICATIONS INSTITUTE

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1420 King Street, Alexandria, VA 22314-2794
(703) 684-2882
www.nspe.org

American Council of Engineering Companies
1015 15th Street N.W., Washington, DC 20005
(202) 347-7474
www.acec.org

American Society of Civil Engineers
1801 Alexander Bell Drive, Reston, VA 20191-4400
(800) 548-2723
www.asce.org

Associated General Contractors of America
2300 Wilson Boulevard, Suite 400, Arlington, VA 22201-3308
(703) 548-3118
www.agc.org

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ARTICLE 1 – DEFINITIONS AND TERMINOLOGY

1.1 *Defined Terms*

- A. Wherever used in the Bidding Requirements or Contract Documents and printed with initial capital letters, the terms listed below will have the meanings indicated which are applicable to both the singular and plural thereof. 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 which is evidence of the agreement between Owner and Contractor covering the Work.
 3. *Application for Payment*—The form acceptable to Engineer which is to be used by Contractor during the course of the Work in requesting progress or final payments and which is to be accompanied by such supporting documentation as is required by the Contract Documents.
 4. *Asbestos*—Any material that contains more than one percent asbestos and is friable or is releasing asbestos fibers into the air above current action levels established by the United States Occupational Safety and Health Administration.
 5. *Bid*—The offer or proposal of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.
 6. *Bidder*—The individual or entity who submits a Bid directly to Owner.
 7. *Bidding Documents*—The Bidding Requirements and the proposed Contract Documents (including all Addenda).
 8. *Bidding Requirements*—The advertisement or invitation to bid, Instructions to Bidders, Bid security of acceptable form, if any, and the Bid Form with any supplements.
 9. *Change Order*—A document recommended by Engineer 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, issued on or after the Effective Date of the Agreement.
 10. *Claim*—A demand or assertion by Owner or Contractor seeking an adjustment of Contract Price or Contract Times, or both, or other relief with respect to the terms of the Contract. A demand for money or services by a third party is not a Claim.
 11. *Contract*—The entire and integrated written agreement between the Owner and Contractor concerning the Work. The Contract supersedes prior negotiations, representations, or agreements, whether written or oral.

12. *Contract Documents*—Those items so designated in the Agreement. Only printed or hard copies of the items listed in the Agreement are Contract Documents. Approved Shop Drawings, other Contractor submittals, and the reports and drawings of subsurface and physical conditions are not Contract Documents.
13. *Contract Price*—The moneys payable by Owner to Contractor for completion of the Work in accordance with the Contract Documents as stated in the Agreement (subject to the provisions of Paragraph 11.03 in the case of Unit Price Work).
14. *Contract Times*—The number of days or the dates stated in the Agreement to: (i) achieve Milestones, if any; (ii) achieve Substantial Completion; and (iii) complete the Work so that it is ready for final payment as evidenced by Engineer's written recommendation of final payment.
15. *Contractor*—The individual or entity with whom Owner has entered into the Agreement.
16. *Cost of the Work*—See Paragraph 11.01 for definition.
17. *Drawings*—That part of the Contract Documents prepared or approved by Engineer which graphically shows the scope, extent, and character of the Work to be performed by Contractor. Shop Drawings and other Contractor submittals are not Drawings as so defined.
18. *Effective Date of the Agreement*—The date indicated in the Agreement on which it becomes effective, but if no such date is indicated, it means the date on which the Agreement is signed and delivered by the last of the two parties to sign and deliver.
19. *Engineer*—The individual or entity named as such in the Agreement.
20. *Field Order*—A written order issued by Engineer which requires minor changes in the Work but which does not involve a change in the Contract Price or the Contract Times.
21. *General Requirements*—~~Sections of Division 1 of the Specifications~~ The General Requirements pertain to all Sections of the specifications. (see SC-1.01.21)
22. *Hazardous Environmental Condition*—The presence at the Site of Asbestos, PCBs, Petroleum, Hazardous Waste, or Radioactive Material in such quantities or circumstances that may present a substantial danger to persons or property exposed thereto.
23. *Hazardous Waste*—The term Hazardous Waste shall have the meaning provided in Section 1004 of the Solid Waste Disposal Act (42 USC Section 6903) as amended from time to time.
24. *Laws and Regulations; Laws or Regulations*—Any and all applicable laws, rules, regulations, ordinances, codes, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.
25. *Liens*—Charges, security interests, or encumbrances upon Project funds, real property, or personal property.

26. *Milestone*—A principal event specified in the Contract Documents relating to an intermediate completion date or time prior to Substantial Completion of all the Work.
27. *Notice of Award*—The written notice by Owner to the Successful Bidder stating that upon timely compliance by the Successful Bidder with the conditions precedent listed therein, Owner will sign and deliver the Agreement.
28. *Notice to Proceed*—A written notice given 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 under the Contract Documents.
29. *Owner*—The individual or entity with whom Contractor has entered into the Agreement and for whom the Work is to be performed.
30. *PCBs*—Polychlorinated biphenyls.
31. *Petroleum*—Petroleum, including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute), such as oil, petroleum, fuel oil, oil sludge, oil refuse, gasoline, kerosene, and oil mixed with other non-Hazardous Waste and crude oils.
32. *Progress Schedule*—A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising the Contractor's plan to accomplish the Work within the Contract Times.
33. *Project*—The total construction of which the Work to be performed under the Contract Documents may be the whole, or a part.
34. *Project Manual*—The bound documentary information prepared for bidding and constructing the Work. A listing of the contents of the Project Manual, which may be bound in one or more volumes, is contained in the table(s) of contents.
35. *Radioactive Material*—Source, special nuclear, or byproduct material as defined by the Atomic Energy Act of 1954 (42 USC Section 2011 et seq.) as amended from time to time.
36. *Resident Project Representative*—The authorized representative of Engineer who may be assigned to the Site or any part thereof.
37. *Samples*—Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and which establish the standards by which such portion of the Work will be judged.
38. *Schedule of Submittals*—A schedule, prepared and maintained by Contractor, of required submittals and the time requirements to support scheduled performance of related construction activities.

39. *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.
40. *Shop Drawings*—All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work.
41. *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 for access thereto, and such other lands furnished by Owner which are designated for the use of Contractor.
42. *Specifications*—That part of the Contract Documents consisting of written requirements for materials, equipment, systems, standards and workmanship as applied to the Work, and certain administrative requirements and procedural matters applicable thereto.
43. *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 at the Site.
44. *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 thereof.
45. *Successful Bidder*—The Bidder submitting a responsive Bid to whom Owner makes an award.
46. *Supplementary Conditions*—That part of the Contract Documents which amends or supplements these General Conditions.
47. *Supplier*—A manufacturer, fabricator, supplier, distributor, materialman, 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 Subcontractor.
48. *Underground Facilities*—All underground pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or attachments, and any encasements containing such facilities, including those that convey electricity, gases, steam, liquid petroleum products, telephone or other communications, cable television, water, wastewater, storm water, other liquids or chemicals, or traffic or other control systems.
49. *Unit Price Work*—Work to be paid for on the basis of unit prices.
50. *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, and

furnishing, installing, and incorporating all materials and equipment into such construction, all as required by the Contract Documents.

51. *Work Change Directive*—A written statement to Contractor issued on or after the Effective Date of the Agreement and signed by Owner and recommended by Engineer ordering an addition, deletion, or revision in the Work, or responding to differing or unforeseen subsurface or physical conditions under which the Work is to be performed or to emergencies. A Work Change Directive will not change the Contract Price or the Contract Times but is evidence that the parties expect that the change ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order following negotiations by the parties as to its effect, if any, on the Contract Price or Contract Times.
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 (see SC-1.01.52).

1.2 Terminology

- A. The words and terms discussed in Paragraph 1.02.B through F are not defined but, when used in the Bidding Requirements or Contract Documents, have the indicated meaning.
- B. *Intent of Certain Terms or Adjectives:*
1. 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 Paragraph 9.09 or any other provision of the Contract Documents.
- C. *Day:*
1. The word “day” means a calendar day of 24 hours measured from midnight to the next midnight.
- D. *Defective:*
1. The word “defective,” when modifying the word “Work,” refers to Work that is unsatisfactory, faulty, or deficient in that it:

- a. does not conform to the Contract Documents; or
- b. does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents; or
- c. 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 14.04 or 14.05).

E. *Furnish, Install, Perform, Provide:*

1. The word "furnish," when used in connection with services, materials, or equipment, shall mean 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, shall mean 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, shall mean to furnish and install said services, materials, or equipment complete and ready for intended use.
4. When "furnish," "install," "perform," or "provide" is not used in connection with services, materials, or equipment in a context clearly requiring an obligation of Contractor, "provide" is implied.

F. 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

2.1 *Delivery of Bonds and Evidence of Insurance*

- A. When Contractor delivers the executed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner such bonds as Contractor may be required to furnish.
- B. *Evidence of Insurance:* Before any Work at the Site is started, Contractor and Owner shall each deliver to the other, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance which either of them or any additional insured may reasonably request) which Contractor and Owner respectively are required to purchase and maintain in accordance with Article 5.

2.2 *Copies of Documents*

- A. Owner shall furnish to Contractor up to ~~ten~~five printed or hard copies of the Drawings and Project Manual. Additional copies will be furnished upon request at the cost of reproduction. (see SC-2.02.A)

2.3 *Commencement of Contract Times; Notice to Proceed*

- A. The Contract Times will commence to run on the thirtieth day after the Effective Date of the Agreement 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 Agreement. In no event will the Contract Times commence to run later than the sixtieth day after the day of Bid opening or the thirtieth day after the Effective Date of the Agreement, whichever date is earlier.

2.4 *Starting the Work*

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

2.5 *Before Starting Construction*

- A. Preliminary Schedules: ~~Within 10 days after the Effective Date of the Agreement~~ At the Preconstruction Conference (unless otherwise specified in the General Requirements), Contractor shall submit to Engineer for timely review (see SC-2.05.A):
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 Documents;
 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. (see SC-2.05.B)

2.6 *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 2.05.A, procedures for handling Shop Drawings and other submittals, processing Applications for Payment, 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 instructions, 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 paragraph 15.02. (see SC-2.06.C)

2.7 *Initial Acceptance of Schedules*

- A. ~~At least 10 days before submission of the first Application for Payment a conference attended by Contractor, Engineer, and others as appropriate will be held to review for acceptability to Engineer as provided below the schedules submitted in accordance with Paragraph 2.05.A. Contractor shall have an additional 10 days to make corrections and adjustments and to complete and resubmit the schedules. No progress payment shall be made to Contractor until acceptable schedules are submitted to Engineer. All schedules as set forth in Article 2 shall be submitted and accepted by the Owner and engineer within 30 days of NTP. Should any schedule not be accepted within 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 General Conditions, Section 15.02. (see SC-2.07.A)~~

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 component parts of the Work.

ARTICLE 3 – CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE

3.1 *Intent*

- A. The Contract Documents are complementary; what is required by one 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. Any labor, documentation, services, materials, or equipment that reasonably may be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the indicated result will be provided whether or not specifically called for, at no additional cost to Owner.

C. Clarifications and interpretations of the Contract Documents shall be issued by Engineer as provided in Article 9.

3.2 *Reference Standards*

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

1. Reference to standards, specifications, manuals, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, shall mean the standard, specification, manual, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Agreement 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, or code, or any instruction of a Supplier, shall be effective to change the duties or responsibilities of Owner, Contractor, or Engineer, or any of their subcontractors, consultants, agents, or employees, from those set forth in the Contract Documents. No such provision or instruction shall be effective to assign to Owner, Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, 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 Contract Documents.

3.3 *Reporting and Resolving Discrepancies*

A. *Reporting Discrepancies:*

1. *Contractor's Review of Contract Documents Before Starting Work:* Before undertaking each part of the Work, Contractor shall carefully study and compare the Contract Documents and check and verify pertinent figures therein and all applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy which Contractor discovers, or has actual knowledge of, and shall obtain a written interpretation or clarification from Engineer before proceeding with any Work affected thereby.
2. *Contractor's Review of Contract Documents During Performance of Work:* If, 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) any standard, specification, manual, or code, or (c) 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 6.16.A) until an amendment or supplement to the Contract Documents has been issued by one of the methods indicated in Paragraph 3.04.
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 Contract Documents shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between the provisions of the Contract Documents and:
 - a. the provisions of any standard, specification, manual, or code, or the instruction of any Supplier (whether or not specifically incorporated by reference in the Contract Documents); 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).

3.4 *Amending and Supplementing Contract Documents*

- A. The Contract Documents may be amended to provide for additions, deletions, and revisions in the Work or to modify the terms and conditions thereof by either a Change Order or a Work Change Directive.
- B. The requirements of the Contract Documents may be supplemented, and minor variations and deviations in the Work may be authorized, by one or more of the following ways:
 1. A Field Order;
 2. Engineer's approval of a Shop Drawing or Sample (subject to the provisions of Paragraph 6.17.D.3); or
 3. Engineer's written interpretation or clarification.

3.5 *Reuse of Documents*

- A. Contractor and any Subcontractor or Supplier 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 editions; or
 2. 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.
- B. The prohibitions of this Paragraph 3.05 will survive final payment, or termination of the Contract. Nothing herein shall preclude Contractor from retaining copies of the Contract Documents for record purposes.

3.6 *Electronic Data*

- A. Unless otherwise stated in the Supplementary Conditions, the data furnished by Owner or Engineer to Contractor, or by Contractor to Owner or Engineer, that may be relied upon are limited to the printed copies (also known as hard copies). Files in electronic media format of

text, data, graphics, or other types are furnished only for the convenience of the receiving party. Any conclusion or information obtained or derived from such electronic files will be at the user's sole risk. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.

- B. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it will perform acceptance tests or procedures within 60 days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any errors detected within the 60-day acceptance period will be corrected by the transferring party.
- C. When transferring documents in electronic media format, the transferring party makes no representations as to long term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by the data's creator.

ARTICLE 4 – AVAILABILITY OF LANDS; SUBSURFACE AND PHYSICAL CONDITIONS; HAZARDOUS ENVIRONMENTAL CONDITIONS; REFERENCE POINTS

4.1 Availability of Lands

- A. Owner shall furnish the Site. Owner shall notify Contractor 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. Owner will obtain in a timely manner and pay for easements for permanent structures or permanent changes in existing facilities. If Contractor and Owner are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, as a result of any delay in Owner's furnishing the Site or a part thereof, Contractor may make a Claim therefor as provided in Paragraph 10.05.
- 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 the Work is to be performed 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. 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 (see SC-4.01.C)

4.2 Subsurface and Physical Conditions

- A. *Reports and Drawings:* The Supplementary Conditions identify:
 1. those reports known to Owner of explorations and tests of subsurface conditions at or contiguous to the Site; and

2. those drawings known to Owner of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities).
- B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the accuracy of the “technical data” contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such “technical data” is identified in the Supplementary Conditions. Except for such reliance on such “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; or
 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. In the preparation of Drawings and Specifications, Engineer or Engineer’s Consultant relied upon the following report(s) of explorations and tests of subsurface conditions at the site: Appendix A. (see SC-4.02.C)

4.3 *Differing Subsurface or Physical Conditions*

- A. *Notice:* If Contractor believes that any subsurface or physical condition that is uncovered or revealed either:
1. is of such a nature as to establish that any “technical data” on which Contractor is entitled to rely as provided in Paragraph 4.02 is materially inaccurate; or
 2. is of such a nature as to require a change in the Contract Documents; or
 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 6.16.A), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except as aforesaid) until receipt of written order to do so.

B. *Engineer's Review*: After receipt of written notice as required by Paragraph 4.03.A, Engineer will promptly review the pertinent condition, determine the necessity of Owner's obtaining additional exploration or tests with respect thereto, and advise Owner in writing (with a copy to Contractor) of Engineer's findings and conclusions.

C. *Possible Price and Times Adjustments*:

1. The Contract Price or the Contract Times, or both, will be equitably adjusted to the extent that the existence of such differing subsurface or physical condition 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 meet any one or more of the categories described in Paragraph 4.03.A; and
 - 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 Paragraphs 9.07 and 11.03.
2. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times if:
 - a. Contractor knew of the existence of such conditions at the time Contractor made a final 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
 - b. the existence of such condition could reasonably have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making such final commitment; or
 - c. Contractor failed to give the written notice as required by Paragraph 4.03.A.
3. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, a Claim may be made therefor as provided in Paragraph 10.05. However, ~~neither Owner, or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors and Engineer's Consultants~~ shall not be liable to Contractor for any claims, costs, losses, or 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) sustained by Contractor on or in connection with any other project or anticipated project. (see SC-4.03.C.3)

4.4 *Underground Facilities*

A. *Shown or Indicated*: The information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or contiguous to the Site is based on information and data furnished to Owner or Engineer by the owners of such Underground Facilities, including Owner, or by others. Unless it is otherwise expressly provided in the Supplementary Conditions:

1. Owner and Engineer shall not be responsible for the accuracy or completeness of any such information or data provided by others; and
2. the cost of all of the following will be included in the Contract Price, and Contractor shall have full responsibility for:
 - a. reviewing and checking all such information and data;
 - b. locating all Underground Facilities shown or indicated in the Contract Documents;
 - c. coordination of the Work with the owners of such Underground Facilities, including Owner, during construction; and
 - d. the safety and protection of all such Underground Facilities and repairing any damage thereto resulting from the Work.

B. Not Shown or Indicated:

1. If an Underground Facility is uncovered or revealed at or contiguous to the Site which was not shown or indicated, or not shown or indicated with reasonable accuracy in the Contract Documents, 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 6.16.A), identify the owner of such Underground Facility and give written notice to that owner and to Owner and Engineer. Engineer will promptly review the Underground Facility and determine the extent, if any, to which a change is required in the Contract Documents to reflect and document the consequences of the existence or location of the Underground Facility. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.
2. If Engineer concludes that a change in the Contract Documents is required, a Work Change Directive or a Change Order will be issued to reflect and document such consequences. An equitable adjustment shall be made in the Contract Price or Contract Times, or both, to the extent that they are attributable to the existence or location of any Underground Facility that was not shown or indicated or not shown or indicated with reasonable accuracy in the Contract Documents and that Contractor did not know of and could not reasonably have been expected to be aware of or to have anticipated. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment in Contract Price or Contract Times, Owner or Contractor may make a Claim therefor as provided in Paragraph 10.05.

4.5 *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.

4.6 *Hazardous Environmental Condition at Site*

- A. *Reports and Drawings:* The Supplementary Conditions identify those reports and drawings known to Owner relating to Hazardous Environmental Conditions that have been identified at the Site.
- B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the accuracy of the “technical data” contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such “technical data” is identified in the Supplementary Conditions. Except for such reliance on such “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; or
 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 any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in Drawings or Specifications or identified in the Contract Documents to be within the scope of the Work. Contractor shall be responsible for a Hazardous Environmental Condition created with any materials brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible.
- D. If Contractor encounters a Hazardous Environmental Condition or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, Contractor shall immediately: (i) secure or otherwise isolate such condition; (ii) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by Paragraph 6.16.A); and (iii) 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 4.06.E.
- E. Contractor shall not be required to resume Work in connection with such condition or in any affected area until after Owner has obtained any required permits related thereto and delivered written notice to Contractor: (i) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work; or (ii) specifying any special conditions under

which such Work may be resumed safely. 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, or both, as a result of such Work stoppage or such special conditions under which Work is agreed to be resumed by Contractor, either party may make a Claim therefor as provided in Paragraph 10.05.

- F. 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. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of an adjustment in Contract Price or Contract Times as a result of deleting such portion of the Work, then either party may make a Claim therefor as provided in Paragraph 10.05. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 7.
- G. 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 or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition: (i) was not shown or indicated in the Drawings or Specifications or identified in the Contract Documents to be included within the scope of the Work, and (ii) was not created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 4.06.G shall obligate Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.
- H. 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 a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 4.06.H shall obligate Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.
- I. The provisions of Paragraphs 4.02, 4.03, and 4.04 do not apply to a Hazardous Environmental Condition uncovered or revealed at the Site.

ARTICLE 5 – BONDS AND INSURANCE

5.1 Performance, Payment, and Other Bonds

- A. Contractor shall furnish performance and payment bonds, each in an amount at least equal to the Contract Price as security for the faithful performance and payment of all of Contractor's obligations under the Contract Documents. These bonds shall remain in effect until one year after the date when final payment becomes due or until completion of the correction period

specified in Paragraph 13.07, whichever is later, except as provided otherwise by Laws or Regulations or by the Contract Documents. Contractor shall also furnish such other bonds as are required by the Contract Documents.

- B. ~~All bonds shall be in the form prescribed by the Contract Documents except as provided otherwise by Laws or Regulations, and shall be executed by such sureties as are named in the list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury. All bonds 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 shall show that it is effective on the date the agent or attorney in fact signed each 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 255, 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. Contractor 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. (see SC-5.01.B)
- C. If the surety on any bond furnished by Contractor is declared bankrupt or becomes insolvent or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirements of Paragraph 5.01.B, Contractor shall promptly notify Owner and Engineer and shall, within 20 days after the event giving rise to such notification, provide another bond and surety, both of which shall comply with the requirements of Paragraphs 5.01.B and 5.02.

5.2 *Licensed Sureties and Insurers*

- A. All bonds and insurance required by the Contract Documents to be purchased and maintained by Owner or Contractor shall be obtained from surety or insurance companies that are duly licensed or authorized in the jurisdiction in which the Project is located to issue bonds or insurance policies for the limits and coverages so required. Such surety and insurance companies shall also meet such additional requirements and qualifications as may be provided in the Supplementary Conditions. Certificates of insurance shall be issued by a company with a Best's rating of at least B+ authorized to do business in the State of Florida. Owner must approve non-rated insurers. If used, Owner shall be shown as Certificate Holder, Engineer as Additional Insured and provide a 30-day cancellation notice.

5.3 *Certificates of Insurance*

- A. Contractor shall deliver to Owner, with copies to each additional insured and loss payee identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance requested by Owner or any other additional insured) which Contractor is required to purchase and maintain.

- B. ~~Owner shall deliver to Contractor, with copies to each additional insured and loss payee identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance requested by Contractor or any other additional insured) which Owner is required to purchase and maintain. Insurance policies written on a "Claims Made" form is not acceptable without Owner's approval. (see SC-5.03.B)~~
- C. Failure of Owner to demand such certificates or other evidence of Contractor's full compliance with these insurance requirements or failure of Owner to identify a deficiency in compliance from the evidence provided shall not be construed as a waiver of Contractor's obligation to maintain such insurance.
- D. Owner does not represent that insurance coverage and limits established in this Contract necessarily will be adequate to protect Contractor.
- E. The insurance and insurance limits required herein shall not be deemed as a limitation on Contractor's liability under the indemnities granted to Owner in the Contract Documents.
- F. Umbrella Liability insurance is preferred, but an Excess Liability equivalent is acceptable. Whichever type of coverage is provided, it shall not be more restrictive than the underlying insurance policy coverages, including, but not limited to the coverage Trigger, defense, notice of occurrence/accident/circumstances, notice of claim and extended reporting period. (see SC-5.03.F)
- G. No work shall commence under this contract until the required Certificate(s) have been provided. Work shall not continue after expiration (or cancellation) until new Certificate(s) have been provided. Non-continuance of work after expiration (or cancellation) of Certificate(s) will not constitute a delay beyond Contractor's control as defined in paragraph 12.03. (see SC-5.03.G)
- H. Contractor shall arrange for its insurers' policies to include, or be endorsed to include, a severability or interest/cross liability provision, so that Owner will be treated as if a separate policy were in existence, but without increasing the policy limits. (see SC-5.03.H)
- I. Contractor's deductibles/self-insured retentions shall be disclosed to Owner and may be disapproved by the latter. They shall be reduced or eliminated at the option of Owner. Contractor is responsible for the amount of any deductible or self-insured retention. (see SC- 6.03.I)
- J. These insurance requirements shall not relieve or limit the liability of Contractor. Owner does not in any way represent that these types or amounts of insurance are sufficient or adequate to protect Contractor's interests or liabilities, but are merely minimums. (see SC-5.03.J)
- K. Insurance required of Contractor or any other insurance of Contractor shall be considered primary, and insurance or self-insurance of Owner shall be considered excess, as may be applicable to claims that arise out of this contract. (see SC-5.03.K)
- L. Receipt of Certificates or other documentation of insurance or policies or copies of policies by Owner, or by any of its representatives, which indicate less coverage than required does not

constitute a waiver of the Contractor's obligation to fulfill the insurance requirements herein. (see SC-5.03.L)

- M. The Contractor shall either (a) require each subcontractor to produce and maintain the same coverage as required of the Contractor, or (b) insure the activities of subcontractors in his own policy. (see SC-5.03.M)
- N. These insurance requirements are minimums and may not be adequate to cover Contractor exposures. (see SC-5.03.N)

5.4 *Contractor's Insurance*

- A. Contractor shall purchase and maintain such insurance as is appropriate for the Work being performed and as will provide protection from claims set forth below which may arise out of or result from Contractor's performance of the Work and Contractor's other obligations under the Contract Documents, whether it is to be performed 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:
1. claims under workers' compensation, disability benefits, and other similar employee benefit acts;
 2. claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees;
 3. claims for damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees;
 4. claims for damages insured by reasonably available personal injury liability coverage which are sustained:
 - a. by any person as a result of an offense directly or indirectly related to the employment of such person by Contractor, or
 - b. by any other person for any other reason;
 5. claims for damages, other than to the Work itself, because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom; and
 6. claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance or use of any motor vehicle.
- B. The policies of insurance required by this Paragraph 5.04 shall:
1. with respect to insurance required by Paragraphs 5.04.A.3 through 5.04.A.6 inclusive, be written on an occurrence basis, include as additional insureds (subject to any customary exclusion regarding professional liability) Owner and Engineer, and any other individuals or entities identified in the Supplementary Conditions, all of whom shall be listed as additional insureds, and include coverage for the respective officers, directors, members, partners,

employees, agents, consultants, and subcontractors of each and any of all such additional insureds, and the insurance afforded to these additional insureds shall provide primary coverage for all claims covered thereby;

2. include at least the specific coverages and be written for not less than the limits of liability provided in the Supplementary Conditions or required by Laws or Regulations, whichever is greater;
3. include contractual liability insurance covering Contractor's indemnity obligations under Paragraphs 6.11 and 6.20;
4. contain a provision or endorsement that the coverage afforded will not be canceled, materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other additional insured identified in the Supplementary Conditions to whom a certificate of insurance has been issued (and the certificates of insurance furnished by the Contractor pursuant to Paragraph 5.03 will so provide);
5. remain in effect at least until final payment and at all times thereafter when Contractor may be correcting, removing, or replacing defective Work in accordance with Paragraph 13.07; and
6. include completed operations coverage:
 - a. Such insurance shall remain in effect for two years after final payment.
 - b. Contractor shall furnish Owner and each other additional insured identified in the Supplementary Conditions, to whom a certificate of insurance has been issued, evidence satisfactory to Owner and any such additional insured of continuation of such insurance at final payment and one year thereafter.

C. The limits of liability for the insurance required by paragraph 5.04 of the General Conditions shall provide coverage for not less than the amounts shown in Exhibit 1 of the contract documents, or greater where required by Laws and Regulations. (see SC-5.04.C)

5.5 *Owner's Liability Insurance*

A. In addition to the insurance required to be provided by Contractor under Paragraph 5.04, Owner, at Owner's option, may purchase and maintain at Owner's expense Owner's own liability insurance as will protect Owner against claims which may arise from operations under the Contract Documents.

5.6 *Property Insurance*

A. ~~Unless otherwise provided in the Supplementary Conditions, Owner shall purchase and maintain property insurance upon the Work at the Site in the amount of the full replacement cost thereof (subject to such deductible amounts as may be provided in the Supplementary Conditions or required by Laws and Regulations). This insurance shall:~~

1. ~~include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as a loss payee;~~
 2. ~~be written on a Builder's Risk "all-risk" policy form that shall at least include insurance for physical loss or damage to the Work, temporary buildings, falsework, and materials and equipment in transit, and shall insure against at least the following perils or causes of loss: fire, lightning, extended coverage, theft, vandalism and malicious mischief, earthquake, collapse, debris removal, demolition occasioned by enforcement of Laws and Regulations, water damage (other than that caused by flood), and such other perils or causes of loss as may be specifically required by the Supplementary Conditions.~~
 3. ~~include expenses incurred in the repair or replacement of any insured property (including but not limited to fees and charges of engineers and architects);~~
 4. ~~cover materials and equipment stored at the Site or at another location that was agreed to in writing by Owner prior to being incorporated in the Work, provided that such materials and equipment have been included in an Application for Payment recommended by Engineer;~~
 5. ~~allow for partial utilization of the Work by Owner;~~
 6. ~~include testing and startup; and~~
 7. ~~be maintained in effect until final payment is made unless otherwise agreed to in writing by Owner, Contractor, and Engineer with 30 days written notice to each other loss payee to whom a certificate of insurance has been issued.~~
- B. ~~Owner shall purchase and maintain such equipment breakdown insurance or additional property insurance as may be required by the Supplementary Conditions or Laws and Regulations which will include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as a loss payee.~~
- C. ~~All the policies of insurance (and the certificates or other evidence thereof) required to be purchased and maintained in accordance with this Paragraph 5.06 will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other loss payee to whom a certificate of insurance has been issued and will contain waiver provisions in accordance with Paragraph 5.07.~~
- D. ~~Owner shall not be responsible for purchasing and maintaining any property insurance specified in this Paragraph 5.06 to protect the interests of Contractor, Subcontractors, or others in the Work to the extent of any deductible amounts that are identified in the Supplementary Conditions. The risk of loss within such identified deductible amount will be borne by Contractor, Subcontractors, or others suffering any such loss, and if any of them wishes property~~

insurance coverage within the limits of such amounts, each may purchase and maintain it at the purchaser's own expense.

- E. ~~If Contractor requests in writing that other special insurance be included in the property insurance policies provided under this Paragraph 5.06, Owner shall, if possible, include such insurance, and the cost thereof will be charged to Contractor by appropriate Change Order. Prior to commencement of the Work at the Site, Owner shall in writing advise Contractor whether or not such other insurance has been procured by Owner.~~

5.7 *Waiver of Rights*

- A. ~~Owner and Contractor intend that all policies purchased in accordance with Paragraph 5.06 will protect Owner, Contractor, Subcontractors, and Engineer, and all other individuals or entities identified in the Supplementary Conditions as loss payees (and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them) in such policies and will provide primary coverage for all losses and damages caused by the perils or causes of loss covered thereby. All such policies shall contain provisions to the effect that in the event of payment of any loss or damage the insurers will have no rights of recovery against any of the insureds or loss payees thereunder. Owner and Contractor waive all rights against each other and their 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 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 Subcontractors and Engineer, and all other individuals or entities identified in the Supplementary Conditions as loss payees (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. None of the above waivers shall extend to the rights that any party making such waiver may have to the proceeds of insurance held by Owner as trustee or otherwise payable under any policy so issued.~~
- B. ~~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:~~
- ~~1. loss 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 perils whether or not insured by Owner; and~~
 - ~~2. loss or damage to the completed Project or part thereof caused by, arising out of, or resulting from fire or other insured peril or cause of loss covered by any property insurance maintained on the completed Project or part thereof by Owner during partial utilization pursuant to Paragraph 14.05, after Substantial Completion pursuant to Paragraph 14.04, or after final payment pursuant to Paragraph 14.07.~~
- C. ~~Any insurance policy maintained by Owner covering any loss, damage or consequential loss referred to in Paragraph 5.07.B shall contain provisions to the effect that in the event of payment of any such loss, damage, or consequential loss, the insurers will have no rights of recovery~~

against Contractor, Subcontractors, or Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them.

5.8 *Receipt and Application of Insurance Proceeds*

- A. Any insured loss under the policies of insurance required by Paragraph 5.06 will be adjusted with Owner and made payable to Owner as fiduciary for the loss payees, as their interests may appear, subject to the requirements of any applicable mortgage clause and of Paragraph 5.08.B. Owner shall deposit in a separate account any money so received and shall distribute it in accordance with such agreement as the parties in interest may reach. If no other special agreement is reached, the damaged Work shall be repaired or replaced, the moneys so received applied on account thereof, and the Work and the cost thereof covered by an appropriate Change Order.
- B. Owner as fiduciary shall have power to adjust and settle any loss with the insurers unless one of the parties in interest shall object in writing within 15 days after the occurrence of loss to Owner's exercise of this power. If such objection be made, Owner as fiduciary shall make settlement with the insurers in accordance with such agreement as the parties in interest may reach. If no such agreement among the parties in interest is reached, Owner as fiduciary shall adjust and settle the loss with the insurers and, if required in writing by any party in interest, Owner as fiduciary shall give bond for the proper performance of such duties.

5.9 *Acceptance of Bonds and Insurance; Option to Replace*

- A. ~~If either Owner or Contractor has any objection to the coverage afforded by or other provisions of the bonds or insurance required to be purchased and maintained by the other party in accordance with Article 5 on the basis of non-conformance with the Contract Documents, the objecting party shall so notify the other party in writing within 10 days after receipt of the certificates (or other evidence requested) required by Paragraph 2.01.B. Owner and Contractor shall each provide to the other such additional information in respect of insurance provided as the other may reasonably request. If either party does not purchase or maintain all of the bonds and insurance required of such party by the Contract Documents, 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. Without prejudice to any other right or remedy, the other party may elect to obtain equivalent bonds or insurance to protect such other party's interests at the expense of the party who was required to provide such coverage, and a Change Order shall be issued to adjust the Contract Price accordingly. If Owner has any objection to the coverage afforded by or other provisions of Bonds or insurance required to be purchased and maintained by Contractor in accordance with Article 5 on the basis of non-conformance with the Contract Documents, Owner shall so notify Contractor in writing within ten days after receipt of the certificates (or other evidence requested) required by paragraph 2.05.C. Contractor shall provide to Owner such additional information in respect of insurance provided as Owner may reasonably request. (see SC-5.09.A)~~

5.10 *Partial Utilization, Acknowledgment of Property Insurer*

- A. ~~If Owner finds it necessary to occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work as provided in Paragraph 14.05, no such use or occupancy shall commence before the insurers providing the property insurance pursuant to~~

~~Paragraph 5.06 have acknowledged notice thereof and in writing effected any changes in coverage necessitated thereby. The insurers providing the property insurance shall consent by endorsement on the policy or policies, but the property insurance shall not be canceled or permitted to lapse on account of any such partial use or occupancy.~~

ARTICLE 6 – CONTRACTOR’S RESPONSIBILITIES

6.1 *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. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction. Contractor shall not be responsible for the negligence of Owner or Engineer in the design or specification of a specific means, method, technique, sequence, or procedure of construction which is shown or indicated in and expressly required by the Contract Documents. 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.

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. (see SC-6.01.A)

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

6.2 *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 at all times maintain good discipline and order at the Site.
- B. 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 shall be performed during regular working hours. Contractor will not permit the performance of Work on a Saturday, Sunday, or any legal holiday without Owner’s written consent ~~(which will not be unreasonably withheld)~~ given after prior written notice to Engineer.
- C. 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. (see SC-6.02.C)

6.3 *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.
- B. All materials and equipment incorporated into the Work shall be as specified or, if not specified, shall be of good quality and new, except as otherwise provided in the Contract Documents. All special warranties and guarantees required by the Specifications shall 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 shall 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.

6.4 *Progress Schedule*

- A. Contractor shall adhere to the Progress Schedule established in accordance with Paragraph 2.07 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 2.07) proposed adjustments in the Progress Schedule that will not result in changing the Contract Times. Such adjustments will comply with any provisions of the General Requirements applicable thereto.
 - 2. Proposed adjustments in the Progress Schedule that will change the Contract Times shall be submitted in accordance with the requirements of Article 12. Adjustments in Contract Times may only be made by a Change Order.

6.5 *Substitutes and "Or-Equals"*

- A. Whenever an item of material or equipment is specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the specification or description 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 or no substitution is permitted, other items of material or equipment or material or equipment of other Suppliers may be submitted to Engineer for review under the circumstances described below.
 - 1. *"Or-Equal" Items:* If in Engineer's sole discretion an item of material or equipment proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, it may be considered by Engineer as an "or-equal" item, in which case review and approval of the proposed item may, in Engineer's sole discretion, be accomplished without compliance with some or all of the requirements for approval of proposed substitute items. For the purposes of this Paragraph 6.05.A.1, a

proposed item of material or equipment will be considered functionally equal to an item so named if:

- a. in the exercise of reasonable judgment Engineer determines that:
 - 1) it is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics;
 - 2) it 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; and
 - 3) it has a proven record of performance and availability of responsive service.
- b. Contractor certifies that, if approved and incorporated into the Work:
 - 1) there will be no increase in cost to the Owner or increase in Contract Times; and
 - 2) it will conform substantially to the detailed requirements of the item named in the Contract Documents.

2. *Substitute Items:*

- a. If in Engineer's sole discretion an item of material or equipment proposed by Contractor does not qualify as an "or-equal" item under Paragraph 6.05.A.1, it will be considered a proposed substitute item.
- b. Contractor shall submit sufficient information as provided below to allow Engineer to determine if the item of material or equipment proposed is essentially equivalent to that named and an acceptable substitute therefor. Requests for review of proposed substitute items of material or equipment will not be accepted by Engineer from anyone other than Contractor.
- c. The requirements for review by Engineer will be as set forth in Paragraph 6.05.A.2.d, as supplemented by the General Requirements, and as Engineer may decide is appropriate under the circumstances.
- d. Contractor shall make written application to Engineer for review of a proposed substitute item of material or equipment that Contractor seeks to furnish or use. The application:
 - 1) shall certify that the proposed substitute item will:
 - a) perform adequately the functions and achieve the results called for by the general design,
 - b) be similar in substance to that specified, and
 - c) be suited to the same use as that specified;
 - 2) will state:

- a) the extent, if any, to which the use of the proposed substitute item will prejudice Contractor's achievement of Substantial Completion on time,
 - b) 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
 - c) whether incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty;
- 3) will identify:
- a) all variations of the proposed substitute item from that specified, and
 - b) available engineering, sales, maintenance, repair, and replacement services; and
- 4) shall contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including costs of redesign and claims of other contractors affected by any resulting change.
- e. Each action mentioned above required for review of proposed substitute items of material or equipment shall be followed in the order given. Failure to do so shall be cause for rejection of the proposed substitution. (see SC-6.05.A.2.e)
 - f. Contractor shall reimburse Owner for the charges of Engineer or Engineer's Consultants for evaluation of substitutions. Owner's reimbursement for the charges shall be a deduction from the Contractor's Partial Payment(s). (see SC-6.05.A.2.f)
- B. *Substitute Construction Methods or Procedures:* If a specific means, method, technique, sequence, or procedure of construction is expressly required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, technique, sequence, or procedure of construction approved by Engineer. Contractor shall submit sufficient information to allow Engineer, in Engineer's sole discretion, to determine that the substitute proposed is equivalent to that expressly called for by the Contract Documents. The requirements for review by Engineer will be similar to those provided in Paragraph 6.05.A.2.
- C. *Engineer's Evaluation:* Engineer will be allowed a reasonable time within which to evaluate each proposal or submittal made pursuant to Paragraphs 6.05.A and 6.05.B. Engineer may require Contractor to furnish additional data about the proposed substitute item. Engineer will be the sole judge of acceptability. No "or equal" or substitute will be ordered, installed or utilized until Engineer's review is complete, which will be evidenced by a Change Order in the case of a substitute and an approved Shop Drawing for an "or equal." Engineer will advise Contractor in writing of any negative determination.
- D. *Special Guarantee:* Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.

- E. *Engineer's Cost Reimbursement*: Engineer will record Engineer's costs in evaluating a substitute proposed or submitted by Contractor pursuant to Paragraphs 6.05.A.2 and 6.05.B. 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.
- F. *Contractor's Expense*: Contractor shall provide all data in support of any proposed substitute or "or-equal" at Contractor's expense.

6.6 *Concerning Subcontractors, Suppliers, and Others*

- A. Contractor shall not employ any Subcontractor, Supplier, or other individual or entity (including those acceptable to Owner as indicated in Paragraph 6.06.B), whether initially or as a replacement, against whom Owner may have reasonable objection. Contractor shall not be required to employ any Subcontractor, Supplier, or other individual or entity to furnish or perform any of the Work against whom Contractor has reasonable objection. Contractor shall not subcontract part(s) or the work, the aggregate cost of which is greater than 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. (see SC-6.06.A)
- B. If the Supplementary Conditions require the identity of certain Subcontractors, Suppliers, or other individuals or entities to be submitted to Owner in advance for acceptance by Owner by a specified date prior to the Effective Date of the Agreement, and if Contractor has submitted a list thereof in accordance with the Supplementary Conditions, Owner's acceptance (either in writing or by failing to make written objection thereto by the date indicated for acceptance or objection in the Bidding Documents or the Contract Documents) of any such Subcontractor, Supplier, or other individual or entity so identified may be revoked on the basis of reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor, Supplier, or other individual or entity, and the Contract Price will be adjusted by the difference in the cost occasioned by such replacement, and an appropriate Change Order will be issued. No acceptance by Owner of any such Subcontractor, Supplier, or other individual or entity, whether initially or as a replacement, shall constitute a waiver of any right of Owner or Engineer to reject defective Work. Subcontractors and Suppliers shall be identified on the form provided in the Bidding Requirements. (see SC-6.06.B)
- C. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of the Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work just as Contractor is responsible for Contractor's own acts and omissions. Nothing in the Contract Documents:

1. shall create for the benefit of any such Subcontractor, Supplier, or other individual or entity any contractual relationship between Owner or Engineer and any such Subcontractor, Supplier or other individual or entity; nor
 2. shall create any obligation on the part of Owner or Engineer to pay or to see to the payment of any moneys due any such Subcontractor, Supplier, or other individual or entity except as may otherwise be required by Laws and Regulations.
- D. Contractor shall be solely responsible for scheduling and coordinating the Work of Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work under a direct or indirect contract with Contractor.
- E. Contractor shall require all Subcontractors, Suppliers, and such other individuals or entities performing or furnishing any of the Work to communicate with Engineer through Contractor.
- F. The divisions and sections of the Specifications and the identifications of any Drawings shall not control Contractor in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.
- G. All Work performed for Contractor by a Subcontractor or Supplier will be pursuant to an appropriate agreement between Contractor and the Subcontractor or Supplier which specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract Documents for the benefit of Owner and Engineer. Whenever any such agreement is with a Subcontractor or Supplier who is listed as a loss payee on the property insurance provided in Paragraph 5.06, the agreement between the Contractor and the Subcontractor or Supplier will contain provisions whereby the Subcontractor or Supplier waives all rights against Owner, Contractor, Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or loss payees (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 any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work. If the insurers on any such policies require separate waiver forms to be signed by any Subcontractor or Supplier, Contractor will obtain the same.

6.7 *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 a particular 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 shall be disclosed by Owner in the Contract Documents.
- 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.

6.8 *Permits*

- A. Unless otherwise provided in the Supplementary Conditions, Contractor shall obtain and pay for all construction permits and licenses. 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 opening of Bids, or, if there are no Bids, on the Effective Date of the Agreement. Owner shall pay all charges of utility owners for connections for providing permanent service to the Work. Permits, licenses, and easements for permanent structures or permanent changes in existing facilities shall be secured and paid for by Owner, unless otherwise specified. (see SC-6.08.A)

6.9 *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. Except where otherwise expressly required by applicable Laws and Regulations, 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 the Work. (see SC-6.09.A)
- B. If Contractor performs any Work knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear 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. However, it shall not be Contractor's responsibility to make certain that the Specifications and Drawings are in accordance with Laws and Regulations, but this shall not relieve Contractor of Contractor's obligations under Paragraph 3.03. If 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. (see SC-6.09.B)

- C. Changes in Laws or Regulations not known at the time of opening of Bids (or, on the Effective Date of the Agreement if there were no Bids) having an effect on the cost or time of performance of the Work shall be the subject of an adjustment in Contract Price or Contract Times. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

6.10 *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.

6.11 *Use of Site and Other Areas*

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

1. Contractor shall confine construction equipment, the storage of materials and equipment, and the operations of workers to the Site and other areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and other areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof, or of any adjacent land or areas resulting from the performance of the Work.
2. Should any claim be made by any such owner or occupant because of the performance of the Work, Contractor shall promptly settle with such other party by negotiation or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law.
3. 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 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 by or based upon Contractor's performance of the Work.

- B. *Removal of Debris During Performance of the Work:* During the progress of the Work Contractor shall keep the Site and other areas free from accumulations of waste materials, rubbish, and other debris. Removal and disposal of such waste materials, rubbish, and other debris shall 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 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 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 property to stresses or pressures that will endanger it.

6.12 *Record Documents*

- A. Contractor shall maintain in a safe place at the Site one record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, and written interpretations and clarifications in good order and annotated to show changes made during construction. These record documents together with all approved Samples and a counterpart of all approved Shop Drawings will be available to Engineer for reference. Upon completion of the Work, these record documents, Samples, and Shop Drawings will be delivered to Engineer for Owner. Annotations of record documents shall be legible, precise, and complete as determined by Engineer of Record and the County. (see SC-6.12.A)

6.13 *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. 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, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.
- B. 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. Contractor shall notify owners of adjacent property and of Underground Facilities and other utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property.
- C. Contractor shall comply with the applicable requirements of Owner's safety programs, if any. The Supplementary Conditions identify any Owner's safety programs that are applicable to the Work.
- D. 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.

- E. All damage, injury, or loss to any property referred to in Paragraph 6.13.A.2 or 6.13.A.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 (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 negligence of Contractor or any Subcontractor, Supplier, or other individual or entity directly or indirectly employed by any of them).
- F. Contractor's duties and responsibilities for safety and for protection of the Work shall continue until such time as all the Work is completed and Engineer has issued a notice to Owner and Contractor in accordance with Paragraph 14.07.B that the Work is acceptable (except as otherwise expressly provided in connection with Substantial Completion).
- G. 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. (see SC-6.13.G)

6.14 *Safety Representative*

- A. Contractor shall designate a qualified and experienced safety representative at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

6.15 *Hazard Communication Programs*

- A. Contractor shall be responsible for coordinating any exchange of 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.

6.16 *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 threatened 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 thereby or are required as a result thereof. If Engineer determines that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, a Work Change Directive or Change Order will be issued.

6.17 *Shop Drawings and Samples*

A. Contractor shall submit Shop Drawings and Samples to Engineer for review and approval in accordance with the accepted Schedule of Submittals (as required by Paragraph 2.07). Each submittal will be identified as Engineer may require.

1. *Shop Drawings:*

- a. Submit number of copies specified in the General Requirements.
- b. Data shown on the Shop Drawings will 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 6.17.D.

2. *Samples:*

- a. Submit number of Samples specified in the Specifications.
- b. 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 6.17.D.

B. 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.

C. *Submittal Procedures:*

1. Before submitting each Shop Drawing or Sample, Contractor shall have:

- a. reviewed and coordinated each Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents;
- b. determined and verified all field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information with respect thereto;
- c. determined and verified the suitability of all materials offered with respect to the indicated application, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work; and
- d. determined and verified all information relative to Contractor's responsibilities for means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto.

2. Each submittal shall bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents with respect to Contractor's review and approval of that submittal.
3. With each submittal, Contractor shall give Engineer specific written notice of any variations that the Shop Drawing or Sample may have from the requirements of the Contract Documents. This notice shall be both a written communication separate from the Shop Drawings or Sample submittal; and, in addition, by a specific notation made on each Shop Drawing or Sample submitted to Engineer for review and approval of each such variation.

D. *Engineer's Review:*

1. Engineer will provide timely review of Shop Drawings and Samples in accordance with the Schedule of Submittals acceptable to Engineer. 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, conform to the information given in 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 (except where a particular means, method, technique, sequence, or procedure of construction is specifically and expressly called for by the Contract Documents) or to safety precautions or programs incident thereto. The review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.
3. Engineer's review and approval shall not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents unless Contractor has complied with the requirements of Paragraph 6.17.C.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's review and approval shall not relieve Contractor from responsibility for complying with the requirements of Paragraph 6.17.C.1.

E. *Resubmittal Procedures:*

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 reimburse Owner for the charges of the County and the County's Consultants for costs generated as a result of more than two submittals of any one Shop Drawing or Sample being required for evaluation due to rejection for noncompliance of the original submittal or lack of information required by the Contract Documents. Owner's reimbursement for the charges shall be a deduction from Contractor's Partial Payment(s). (see SC-6.17.E.2)

6.18 *Continuing the Work*

- A. Contractor shall carry on the Work and adhere to the Progress Schedule during all disputes or disagreements with Owner. No Work shall be delayed or postponed pending resolution of any disputes or disagreements, except as permitted by Paragraph 15.04 or as Owner and Contractor may otherwise agree in writing.

6.19 *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 and its officers, directors, members, partners, employees, agents, consultants, and subcontractors shall be entitled to rely on representation of Contractor's warranty and guarantee.
- B. Contractor's warranty and guarantee hereunder excludes defects or damage caused by:
 - 1. abuse, modification, or improper 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.
- C. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents or a release of Contractor's obligation to perform the Work in accordance with the Contract Documents:
 - 1. observations by Engineer;
 - 2. recommendation by Engineer or payment by Owner of any progress or final payment;
 - 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 or the issuance of a notice of acceptability by Engineer;
 - 6. any inspection, test, or approval by others; or
 - 7. any correction of defective Work by Owner.

6.20 *Indemnification*

- A. 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 performance of the Work, provided that any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to injury 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. (see SC-6.20.A)

- 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 6.20.A shall 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 6.20.A 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.
- 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. (see SC-6.20.D)

6.21 *Delegation of Professional Design Services*

- A. Contractor will not be required to provide professional design services unless such services are specifically required by the Contract Documents for a portion of the Work or unless such services are required to carry out Contractor's responsibilities for construction means, methods, techniques, sequences and procedures. Contractor shall not be required to provide professional services in violation of applicable law.
- B. If professional design services or certifications by a design professional related to systems, materials or equipment are specifically required of Contractor by the Contract Documents, Owner and Engineer will specify all performance and design criteria that such services must satisfy. Contractor shall cause such services or certifications to be provided by a properly licensed professional, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, Shop Drawings and other submittals prepared by such professional. Shop Drawings and other submittals related to the Work designed or certified by such

professional, if prepared by others, shall bear such professional's written approval when submitted to Engineer.

- C. Owner and Engineer shall be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications or approvals performed by such design professionals, provided Owner and Engineer have specified to Contractor all performance and design criteria that such services must satisfy.
- D. Pursuant to this Paragraph 6.21, Engineer's review and approval of design calculations and design drawings will be only for the limited purpose of checking for conformance with performance and design criteria given and the design concept expressed in the Contract Documents. Engineer's review and approval of Shop Drawings and other submittals (except design calculations and design drawings) will be only for the purpose stated in Paragraph 6.17.D.1.
- E. Contractor shall not be responsible for the adequacy of the performance or design criteria required by the Contract Documents.

ARTICLE 7 – OTHER WORK AT THE SITE

7.1 Related Work at Site

- A. Owner may perform other work related to the Project at the Site with Owner's employees, or through other direct contracts therefor, or have other work performed by utility owners. If such other work is not noted in the Contract Documents, then:
 - 1. written notice thereof will be given to Contractor prior to starting any such other work; and
 - 2. if Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times that should be allowed as a result of such other work, a Claim may be made therefor as provided in Paragraph 10.05.
- B. Contractor shall afford each other contractor who is a party to such a direct contract, each utility owner, and Owner, if Owner is performing other work with Owner's employees, proper and safe access to the Site, provide a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work, and properly coordinate the Work with theirs. 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. The duties and responsibilities of Contractor under this Paragraph are for the benefit of such utility owners and other contractors to the extent that there are comparable provisions for the benefit of Contractor in said direct contracts between Owner and such utility owners and other contractors.
- C. If the proper execution or results of any part of Contractor's Work depends upon work performed by others under this Article 7, 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.

7.2 *Coordination*

- A. If Owner intends to contract with others for the performance of other work on the Project at the Site, the following will be set forth in Supplementary Conditions:
 - 1. the individual or entity who will have authority and responsibility for coordination of the activities among the various contractors will be identified;
 - 2. the specific matters to be covered by such authority and responsibility will be itemized; and
 - 3. the extent of such authority and responsibilities will be provided.
- B. Unless otherwise provided in the Supplementary Conditions, Owner shall have sole authority and responsibility for such coordination.

7.3 *Legal Relationships*

- A. Paragraphs 7.01.A and 7.02 are not applicable for utilities not under the control of Owner.
- B. Each other direct contract of Owner under Paragraph 7.01.A shall provide that the other contractor is liable to Owner and Contractor for the reasonable direct delay and disruption costs incurred by Contractor as a result of the other contractor's wrongful actions or inactions.
- C. Contractor shall be liable to Owner and any other contractor under direct contract to Owner for the reasonable direct delay and disruption costs incurred by such other contractor as a result of Contractor's wrongful action or inactions.

ARTICLE 8 – OWNER'S RESPONSIBILITIES

8.1 *Communications to Contractor*

- A. Except as otherwise provided in these General Conditions, Owner shall issue all communications to Contractor through Engineer.

8.2 *Replacement of Engineer*

- A. In case of termination of the employment of Engineer, Owner shall appoint an engineer ~~to whom Contractor makes no reasonable objection~~, whose status under the Contract Documents shall be that of the former Engineer. (see SC-8.02)

8.3 *Furnish Data*

- A. Owner shall promptly furnish the data required of Owner under the Contract Documents.

8.4 *Pay When Due*

- A. Owner shall make payments to Contractor when they are due as provided in Paragraphs 14.02.C and 14.07.C.

8.5 *Lands and Easements; Reports and Tests*

- A. Owner's duties with respect to providing lands and easements and providing engineering surveys to establish reference points are set forth in Paragraphs 4.01 and 4.05. Paragraph 4.02 refers to Owner's identifying and making available to Contractor copies of reports of explorations and tests of subsurface conditions and drawings of physical conditions relating to existing surface or subsurface structures at the Site.

8.6 *Insurance*

- A. Owner's responsibilities, if any, with respect to purchasing and maintaining liability and property insurance are set forth in Article 5.

8.7 *Change Orders*

- A. Owner is obligated to execute Change Orders as indicated in Paragraph 10.03.

8.8 *Inspections, Tests, and Approvals*

- A. Owner's responsibility with respect to certain inspections, tests, and approvals is set forth in Paragraph 13.03.B.

8.9 *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.

8.10 *Undisclosed Hazardous Environmental Condition*

- A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in Paragraph 4.06.

8.11 *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 Documents.

8.12 *Compliance with Safety Program*

- 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 pursuant to Paragraph 6.13.D.

ARTICLE 9 – ENGINEER'S STATUS DURING CONSTRUCTION

9.1 *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 Documents.

9.2 *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 9.09. 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.

9.3 *Project Representative*

- A. If Owner and Engineer agree, Engineer will furnish a Resident Project Representative to assist Engineer in providing more extensive observation of the Work. The authority and responsibilities of any such Resident Project Representative and assistants will be as provided in the Supplementary Conditions, and limitations on the responsibilities thereof will be as provided in Paragraph 9.09. If Owner designates another representative or agent to represent Owner at the Site who is not Engineer's consultant, agent or employee, the responsibilities and authority and limitations thereon of such other individual or entity will be as provided in the Supplementary Conditions.

9.4 *Authorized Variations in Work*

- A. Engineer may authorize minor variations in the Work from the requirements of the Contract Documents which 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. These may be accomplished by a Field Order and will be binding on Owner and also on Contractor, who shall perform the Work involved promptly. If Owner or Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, or both, and the parties are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

9.5 *Rejecting Defective Work*

- A. Engineer will have authority to reject Work which Engineer believes to be defective, or that Engineer believes will not produce a completed Project that conforms to the Contract Documents or that will prejudice the integrity of the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Engineer will also have authority to require special inspection or testing of the Work as provided in Paragraph 13.04, whether or not the Work is fabricated, installed, or completed.
- B. Contractor shall reimburse the Owner for the charges of Engineer and Engineer's Consultants for any additional field observations, engineering analysis, correspondence, meetings, or other work due to non-complying or defective construction, materials, or equipment performed or furnished by the Contractor, Subcontractors, or Suppliers. Owner's reimbursement for the charges shall be a deduction from the Contractor's Partial Payment(s). (see SC-9.05.B)

9.6 *Shop Drawings, Change Orders and Payments*

- A. In connection with Engineer's authority, and limitations thereof, as to Shop Drawings and Samples, see Paragraph 6.17.
- B. In connection with Engineer's authority, and limitations thereof, as to design calculations and design drawings submitted in response to a delegation of professional design services, if any, see Paragraph 6.21.
- C. In connection with Engineer's authority as to Change Orders, see Articles 10, 11, and 12.
- D. In connection with Engineer's authority as to Applications for Payment, see Article 14.

9.7 *Determinations for Unit Price Work*

- A. 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, subject to the provisions of Paragraph 10.05.

9.8 *Decisions on Requirements of Contract Documents and Acceptability of Work*

- A. Engineer will be the initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the Work thereunder. All matters in question and other matters between Owner and Contractor arising prior to the date final payment is due relating to the acceptability of the Work, and the interpretation of the requirements of the Contract Documents pertaining to the performance of the Work, will be referred initially to Engineer in writing within 30 days of the event giving rise to the question.
- B. Engineer will, with reasonable promptness, render a written decision on the issue referred. If Owner or Contractor believes that any such decision entitles them to an adjustment in the Contract Price or Contract Times or both, a Claim may be made under Paragraph 10.05. The date of Engineer's decision shall be the date of the event giving rise to the issues referenced for the purposes of Paragraph 10.05.B.
- C. Engineer's written decision on the issue referred will be final and binding on Owner and Contractor, subject to the provisions of Paragraph 10.05.
- D. When functioning as interpreter and judge under this Paragraph 9.08, Engineer will not show partiality to Owner or Contractor and will not be liable in connection with any interpretation or decision rendered in good faith in such capacity.

9.9 *Limitations on Engineer's Authority and Responsibilities*

- A. Neither Engineer's authority or responsibility under this Article 9 or under any other provision of the Contract Documents 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 shall 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 Paragraph 14.07.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 9.09 shall also apply to the Resident Project Representative, if any, and assistants, if any.

9.10 *Compliance with Safety Program*

- A. While at the Site, Engineer's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which Engineer has been informed pursuant to Paragraph 6.13.D.

ARTICLE 10 – CHANGES IN THE WORK; CLAIMS

10.1 *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 by a Change Order, or a Work Change Directive. Upon receipt of any such document, Contractor shall promptly proceed with the Work involved which will be performed under the applicable conditions of the Contract Documents (except as otherwise specifically provided).
- B. If Owner and Contractor are unable to agree on entitlement to, or on the amount or extent, if any, of an adjustment in the Contract Price or Contract Times, or both, that should be allowed as a result of a Work Change Directive, a Claim may be made therefor as provided in Paragraph 10.05.

10.2 *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 as provided in Paragraph 3.04, except in the case of an emergency as provided in Paragraph 6.16 or in the case of uncovering Work as provided in Paragraph 13.04.D.

10.3 *Execution of Change Orders*

- A. Owner and Contractor shall execute appropriate Change Orders recommended by Engineer covering:
 - 1. changes in the Work which are: (i) ordered by Owner pursuant to Paragraph 10.01.A, (ii) required because of acceptance of defective Work under Paragraph 13.08.A or Owner's correction of defective Work under Paragraph 13.09, or (iii) agreed to by the parties;
 - 2. changes in the 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; and
 - 3. changes in the Contract Price or Contract Times which embody the substance of any written decision rendered by Engineer pursuant to Paragraph 10.05; provided that, in lieu of executing any such Change Order, an appeal may be taken from any such decision in

accordance with the provisions of the Contract Documents and applicable Laws and Regulations, but during any such appeal, Contractor shall carry on the Work and adhere to the Progress Schedule as provided in Paragraph 6.18.A.

10.4 *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.

10.5 *Claims*

- A. *Engineer's Decision Required:* All Claims, except those waived pursuant to Paragraph 14.09, shall be referred to the Engineer for decision. A decision by Engineer shall be required as a condition precedent to any exercise by Owner or Contractor of any rights or remedies either may otherwise have under the Contract Documents or by Laws and Regulations in respect of such Claims.
- B. *Notice:* Written notice stating the general nature of each Claim shall be delivered by the claimant to Engineer and the other party to the Contract promptly (but in no event later than ~~30~~15 days) after the start of the event giving rise thereto. The responsibility to substantiate a Claim shall rest with the party making the Claim. Notice of the amount or extent of the Claim, with supporting data shall be delivered to the Engineer and the other party to the Contract within 60 days after the start of such event (unless Engineer allows additional time for claimant to submit additional or more accurate data in support of such Claim). A Claim for an adjustment in Contract Price shall be prepared in accordance with the provisions of Paragraph 12.01.B. A Claim for an adjustment in Contract Times shall be prepared in accordance with the provisions of Paragraph 12.02.B. Each Claim shall be accompanied by claimant's written statement that the adjustment claimed is the entire adjustment to which the claimant believes it is entitled as a result of said event. The opposing party shall submit any response to Engineer and the claimant within 30 days after receipt of the claimant's last submittal (unless Engineer allows additional time). (see SC-10.05.B)
- C. *Engineer's Action:* Engineer will review each Claim and, within 30 days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any, take one of the following actions in writing:
1. deny the Claim in whole or in part;
 2. approve the Claim; or
 3. notify the parties that the Engineer is unable to resolve the Claim if, in the Engineer's sole discretion, it would be inappropriate for the Engineer to do so. For purposes of further resolution of the Claim, such notice shall be deemed a denial.

- D. In the event that Engineer does not take action on a Claim within said 30 days, the Claim shall be deemed denied.
- E. Engineer's written action under Paragraph 10.05.C or denial pursuant to Paragraphs 10.05.C.3 or 10.05.D will be final and binding upon Owner and Contractor, unless Owner or Contractor invoke the dispute resolution procedure set forth in Article 16 within 30 days of such action or denial.
- F. No Claim for an adjustment in Contract Price or Contract Times will be valid if not submitted in accordance with this Paragraph 10.05.

ARTICLE 11 – COST OF THE WORK; ALLOWANCES; UNIT PRICE WORK

11.1 *Cost of the Work*

- A. *Costs Included:* The term Cost of the Work means the sum of all costs, except those excluded in Paragraph 11.01.B, necessarily incurred and paid by Contractor in the proper performance of the Work. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, the costs to be reimbursed to Contractor will be only those additional or incremental costs required because of the change in the Work or because of the event giving rise to the Claim. Except as otherwise may be agreed to in writing by Owner, such costs shall be in amounts no higher than those prevailing in the locality of the Project, shall not include any of the costs itemized in Paragraph 11.01.B, and shall 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. Such employees shall include, without limitation, superintendents, foremen, and other personnel employed full time on the Work. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall include, but not be limited to, salaries and wages plus the cost of fringe benefits, which shall include social security contributions, unemployment, excise, and payroll taxes, workers' compensation, health and retirement benefits, bonuses, sick leave, vacation and holiday pay applicable thereto. The expenses of performing Work outside of regular working hours, on Saturday, Sunday, or legal holidays, shall 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 shall accrue to Contractor unless Owner deposits funds with Contractor with which to make payments, in which case the cash discounts shall accrue to Owner. All trade discounts, rebates and refunds and returns from sale of surplus materials and equipment shall 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, who will then determine, with

the 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 shall be determined in the same manner as Contractor's Cost of the Work and fee as provided in this Paragraph 11.01.

4. Costs of special consultants (including but not limited to engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed for services specifically related to the Work.
5. Supplemental costs including 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, and hand tools not owned by the workers, 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.
 - c. Rentals of all construction equipment and machinery, and the parts thereof whether rented from Contractor or others in accordance with rental agreements approved by Owner with the advice of Engineer, and the costs of transportation, loading, unloading, assembly, dismantling, and removal thereof. All such costs shall be in accordance with the terms of said rental agreements. The rental of any such equipment, machinery, or parts shall cease when the use thereof is no longer necessary for the Work. In no case shall rates exceed those published by the current edition of Data Quest Incorporated titled, Rental Rate Blue Book for Construction Equipment, and other procedures established by Florida Department of Transportation. (see SC-11.01.A.5.c)
 - 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 (~~except losses and damages within the deductible amounts of property insurance established in accordance with Paragraph 5.06.D~~), 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 shall include settlements made with the written consent and approval of Owner. No such losses, damages, and expenses shall be included in the Cost of the Work for the purpose of determining Contractor's fee. (see SC-11.01.A.5.f)

- g. The cost of utilities, fuel, and sanitary facilities at the Site.
- h. Minor expenses such as telegrams, long distance telephone calls, telephone 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 Contractor is required by the Contract Documents to purchase and maintain.
- j. The cost of specific consideration for the indemnifications set forth in paragraph 6.20. (see SC-11.01.A.5.j)
- k. The cost of compliance with current local, state and federal safety regulations. (see SC-11.01.A.5.k)

B. *Costs Excluded:* The term Cost of the Work shall not include any of the following items:

- 1. Payroll costs and other compensation of Contractor's officers, executives, principals (of partnerships and sole proprietorships), general managers, safety managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expeditors, 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 11.01.A.1 or specifically covered by Paragraph 11.01.A.4, all of which are to be considered administrative costs covered by the Contractor's fee.
- 2. Expenses of Contractor's principal and branch offices other than Contractor's office at the Site.
- 3. Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.
- 4. 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.
- 5. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in Paragraphs 11.01.A.

C. *Contractor's Fee:* When all the Work is performed on the basis of cost-plus, Contractor's fee shall be determined as set forth in the Agreement. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, Contractor's fee shall be determined as set forth in Paragraph 12.01.C.

D. *Documentation:* Whenever the Cost of the Work for any purpose is to be determined pursuant to Paragraphs 11.01.A and 11.01.B, Contractor will establish and maintain records thereof in

accordance with generally accepted accounting practices and submit in a form acceptable to Engineer an itemized cost breakdown together with supporting data.

11.2 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:

1. Contractor agrees that:

- a. 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
- b. 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 on account of any of the foregoing will be valid.

C. Contingency Allowance:

1. Contractor agrees that a 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 on account of Work covered by allowances, and the Contract Price shall be correspondingly adjusted.

11.3 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. Determinations of the actual quantities and classifications of Unit Price Work performed by Contractor will be made by Engineer subject to the provisions of Paragraph 9.07.

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. Owner or Contractor may make a Claim for an adjustment in the Contract Price in accordance with Paragraph 10.05 if:

1. the quantity of any item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement; and
 2. there is no corresponding adjustment with respect to any other item of Work; and
 3. Contractor believes that Contractor is entitled to an increase in Contract Price as a result of having incurred additional expense or Owner believes that Owner is entitled to a decrease in Contract Price and the parties are unable to agree as to the amount of any such increase or decrease.
- E. If Owner objects to Contractor's quoted adjustment in Unit Price Work set forth in paragraph 11.03.D, 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 12 – CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES

12.1 *Change of Contract Price*

- A. The Contract Price may only be changed by a Change Order. Any Claim for an adjustment in the Contract Price shall be based on written notice submitted by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.
- B. The value of any Work covered by a Change Order or of any Claim for 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, by application of such unit prices to the quantities of the items involved (subject to the provisions of Paragraph 11.03); or
 2. where the Work involved is not covered by unit prices contained in the Contract Documents, by a mutually agreed lump sum (which may include an allowance for overhead and profit not necessarily in accordance with Paragraph 12.01.C.2); or
 3. where the Work involved is not covered by unit prices contained in the Contract Documents and agreement to a lump sum is not reached under Paragraph 12.01.B.2, on the basis of the Cost of the Work (determined as provided in Paragraph 11.01) plus a Contractor's fee for overhead and profit (determined as provided in Paragraph 12.01.C).
- C. *Contractor's Fee:* The Contractor's fee for overhead and profit shall be determined as follows:
1. a mutually acceptable fixed fee; or
 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 11.01.A.1 and 11.01.A.2, the Contractor's fee shall be 15 percent;
- b. for costs incurred under Paragraph 11.01.A.3, the Contractor's fee shall be five 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 12.01.C.2.a and 12.01.C.2.b is that the Subcontractor who actually performs the Work, at whatever tier, will be paid a fee of 15 percent of the costs incurred by such Subcontractor under Paragraphs 11.01.A.1 and 11.01.A.2 and that any higher tier Subcontractor and Contractor will each be paid a fee of five percent of the amount paid to the next lower tier Subcontractor;
- d. no fee shall be payable on the basis of costs itemized under Paragraphs 11.01.A.4, 11.01.A.5, and 11.01.B;
- e. the amount of credit to be allowed by Contractor to Owner for any change which results in a net decrease in cost will be the amount of the actual net decrease in cost plus a deduction in Contractor's fee by an amount equal to five percent of such net decrease; and
- f. when both additions and credits are involved in any one change, the adjustment in Contractor's fee shall be computed on the basis of the net change in accordance with Paragraphs 12.01.C.2.a through 12.01.C.2.e, inclusive.

12.2 *Change of Contract Times*

- A. The Contract Times may only be changed by a Change Order. Any Claim for an adjustment in the Contract Times shall be based on written notice submitted by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.
- B. Any adjustment of the Contract Times covered by a Change Order or any Claim for an adjustment in the Contract Times will be determined in accordance with the provisions of this Article 12.
- C. 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:
 - (1) The Contractor being unable to work at least 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. (see SC-12.02.C)

12.3 *Delays*

- A. Where Contractor is prevented from completing any part of the Work within the Contract Times due to delay beyond the control of Contractor, the Contract Times will be extended in an amount equal to the time lost due to such delay if a Claim is made therefor as provided in Paragraph 12.02.A. Delays beyond the control of Contractor shall include, but not be limited to, acts or neglect by Owner, acts or neglect of utility owners or other contractors performing other work as contemplated by Article 7, fires, floods, epidemics, abnormal weather conditions, or acts of God.
- B. If Owner, Engineer, or other contractors or utility owners performing other work for Owner as contemplated by Article 7, 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 the Contract Price or the Contract Times, or both. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.
- C. If Contractor is delayed in the performance or progress of the Work by fire, flood, epidemic, abnormal weather conditions, acts of God, acts or failures to act of utility owners not under the control of Owner, or other causes not the fault of and beyond control of Owner and Contractor, then Contractor shall be entitled to an equitable adjustment in Contract Times, if such adjustment is essential to Contractor's ability to complete the Work within the Contract Times. Such an adjustment shall be Contractor's sole and exclusive remedy for the delays described in this Paragraph 12.03.C.
- D. Owner, Engineer, and their officers, directors, members, partners, employees, agents, consultants, or subcontractors shall not be liable to Contractor for any claims, costs, losses, or 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) sustained by Contractor on or in connection with any other project or anticipated project.
- E. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delays within the control of Contractor. Delays attributable to and within the control of a Subcontractor or Supplier shall be deemed to be delays within the control of Contractor.

ARTICLE 13 – TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

13.1 *Notice of Defects*

- A. Prompt notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor. Defective Work may be rejected, corrected, or accepted as provided in this Article 13.

13.2 *Access to Work*

- A. Owner, Engineer, their consultants and other representatives and personnel of Owner, independent testing laboratories, and governmental agencies with jurisdictional interests will 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 therewith as applicable.

13.3 *Tests and Inspections*

- A. Contractor shall give Engineer timely notice of readiness of the Work for all required inspections, tests, or approvals and shall cooperate with inspection and testing personnel to facilitate required inspections or 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). (see SC-13.03.A)
- ~~B. Owner shall employ and pay for the services of an independent testing laboratory to perform all inspections, tests, or approvals required by the Contract Documents except:~~
- ~~1. for inspections, tests, or approvals covered by Paragraphs 13.03.C and 13.03.D below;~~
 - ~~2. that costs incurred in connection with tests or inspections conducted pursuant to Paragraph 13.04.B shall be paid as provided in Paragraph 13.04.C; and~~
 - ~~3. as otherwise specifically provided in the Contract Documents.~~
- B. 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 type and amount of test performed, unit and total cost, and shall 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 test failure will be borne by the Contractor. Payment to Contractor for testing shall not be made without the required itemized invoicing. (see SC-13.03.B)
- 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 and obtaining and shall pay all costs in connection with any inspections, tests, or approvals required for Owner's and Engineer's acceptance of

materials or equipment to be incorporated in the Work; or acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work. Such inspections, tests, or approvals shall be performed by organizations acceptable to Owner and Engineer.

- E. 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.
- F. Uncovering Work as provided in Paragraph 13.03.E shall be at Contractor's expense unless Contractor has given Engineer timely notice of Contractor's intention to cover the same and Engineer has not acted with reasonable promptness in response to such notice.

13.4 *Uncovering Work*

- A. If any Work is covered contrary to the written request of Engineer, it must, if requested by Engineer, be uncovered for Engineer's observation and replaced at Contractor's expense.
- B. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, 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, furnishing all necessary labor, material, and equipment.
- C. If it is found that the uncovered Work is defective, Contractor shall pay 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 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 Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05.
- D. 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, or both, 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, Contractor may make a Claim therefor as provided in Paragraph 10.05.

13.5 *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, 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 shall 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.

13.6 *Correction or Removal of Defective Work*

- A. Promptly after receipt of written notice, Contractor shall correct all defective Work, whether or not fabricated, installed, or completed, or, if the Work has been rejected by Engineer, remove it from the Project and replace it with Work that is not defective. Contractor shall pay 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 correction or removal (including but not limited to all costs of repair or replacement of work of others).
- B. When correcting defective Work under the terms of this Paragraph 13.06 or Paragraph 13.07, Contractor shall take no action that would void or otherwise impair Owner's special warranty and guarantee, if any, on said Work.

13.7 *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 terms of any applicable special guarantee required by the Contract Documents) or by any specific provision of the Contract Documents, any Work is found to be defective, or if the repair of any damages to the land or areas made available for Contractor's use by Owner or permitted by Laws and Regulations as contemplated in Paragraph 6.11.A is found to be defective, Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions:
 - 1. repair such defective land or areas; or
 - 2. correct such defective Work; or
 - 3. if the defective Work has been rejected by Owner, remove it from the Project and replace it with Work that is not defective, and
 - 4. satisfactorily correct or repair or remove and replace any damage to other Work, to the work of others or other land or areas resulting therefrom.
- B. If 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. 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 correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others) will be paid by Contractor.
- C. 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.

- D. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this Paragraph 13.07, 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.
- E. Contractor's obligations under this Paragraph 13.07 are in addition to any other obligation or warranty. The provisions of this Paragraph 13.07 shall not be construed as a substitute for, or a waiver of, the provisions of any applicable statute of limitation or repose.

13.8 *Acceptance of Defective Work*

- A. If, instead of requiring correction or removal and replacement of defective Work, Owner (and, prior to Engineer's recommendation of final payment, Engineer) prefers to accept it, Owner may do so. Contractor shall pay 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) 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 pursuant to this sentence. If any such acceptance occurs prior to Engineer's recommendation of final payment, a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work, and Owner shall be entitled to an appropriate decrease in the Contract Price, reflecting the diminished value of Work so accepted. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05. If the acceptance occurs after such recommendation, an appropriate amount will be paid by Contractor to Owner. (see SC-13.08.A)

13.9 *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 rejected Work as required by Engineer in accordance with Paragraph 13.06.A, or if Contractor fails to perform the Work in accordance with the Contract Documents, or if Contractor fails to comply with any other provision of the Contract Documents, Owner may, after seven days written notice to Contractor, correct, or remedy any such deficiency.
- B. In exercising the rights and remedies under this Paragraph 13.09, 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, take possession of Contractor's tools, appliances, construction equipment and machinery at the Site, 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 (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) incurred or sustained by Owner in exercising the rights and remedies

under this Paragraph 13.09 will be charged against Contractor, and a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount of the adjustment, Owner may make a Claim therefor as provided in Paragraph 10.05. 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. (see SC-13.09.C)

- 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 13.09.

ARTICLE 14 – PAYMENTS TO CONTRACTOR AND COMPLETION

14.1 *Schedule of Values*

- A. The Schedule of Values established as provided in Paragraph 2.07.A will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments on account of Unit Price Work will be based on the number of units completed.

14.2 *Progress Payments*

A. *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. 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 shall also be accompanied by a bill of sale, invoice, or other documentation warranting that Owner has received the materials and equipment free and clear of all Liens and evidence that the materials and equipment are covered by appropriate property insurance or other arrangements to protect Owner's interest therein, all of which must be satisfactory to Owner.
2. ~~Beginning with the second Application for Payment, each Application shall include an affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied on account to discharge Contractor's legitimate obligations associated with prior Applications for Payment.~~ 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 share 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 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. (see SC-14.02.A.2)

3. The amount of retainage with respect to progress payments will be as stipulated in the Agreement.

B. Review of Applications:

1. Engineer will, within 10 days after receipt of each Application for Payment, 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. (see SC-14.02.B.1)
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 Payment and the accompanying data and schedules and the Contract Documents (see SC-14.02.B.2), 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 9.07, 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. (see SC-14.02.B.2.d)
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 Documents; 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, or
 - b. for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or
 - c. for Contractor's failure to comply with Laws and Regulations applicable to Contractor's performance of the Work, or
 - d. to make any examination to ascertain how or for what purposes Contractor has used the moneys paid on account of the Contract Price, 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 14.02.B.2. Engineer may also refuse to recommend any such payment or, because of subsequently discovered evidence or the results of subsequent inspections or tests, revise or revoke any such payment recommendation previously made, to such extent as may be necessary in Engineer's opinion to protect Owner from loss because:
 - a. the Work is defective, or completed Work has been damaged, requiring correction or replacement;
 - b. the Contract Price has been reduced by Change Orders;
 - c. Owner has been required to correct defective Work or complete Work in accordance with Paragraph 13.09; or
 - d. Engineer has actual knowledge of the occurrence of any of the events enumerated in Paragraph 15.02.A.

C. Payment Becomes Due:

1. Ten days after presentation of the Application for Payment to Owner with Engineer's recommendation, the amount recommended will (subject to the provisions of Paragraph 14.02.D) become due, and when due will be paid by Owner to Contractor.

D. Reduction in Payment:

1. Owner may refuse to make payment of the full amount recommended by Engineer because:
 - a. claims have been made against Owner on account of Contractor's performance or furnishing of the Work;

- b. 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;
 - c. there are other items entitling Owner to a set-off against the amount recommended; or
 - d. Owner has actual knowledge of the occurrence of any of the events enumerated in Paragraphs 14.02.B.5.a through 14.02.B.5.c or Paragraph 15.02.A.
2. If Owner refuses to make payment of the full amount recommended by Engineer, Owner will give Contractor immediate written notice (with a copy to Engineer) stating the reasons for such action 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, when Contractor remedies the reasons for such action.
 3. Upon a subsequent determination that Owner's refusal of payment was not justified, the amount wrongfully withheld shall be treated as an amount due as determined by Paragraph 14.02.C.1 and subject to interest as provided in the Agreement.

14.3 *Contractor's Warranty of Title*

- A. Contractor warrants and guarantees that title to all Work, materials, and equipment covered by any Application for Payment, whether incorporated in the Project or not, will pass to Owner no later than the time of payment free and clear of all Liens.

14.4 *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 (except for items specifically listed by Contractor as incomplete) and request that Engineer issue a certificate of Substantial Completion.
- 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 tentative certificate of Substantial Completion which shall fix the date of Substantial Completion. There shall be attached to the certificate a tentative list of items to be completed or corrected before final payment. Owner shall have seven days after receipt of the tentative certificate during which to make written objection to Engineer as to any provisions of the certificate or attached list. If, after considering such objections, Engineer concludes that the Work is not substantially complete, Engineer will, within 14 days after submission of the tentative certificate to Owner, notify Contractor in writing, stating the reasons therefor. If, after consideration of Owner's objections, Engineer considers the Work substantially complete, Engineer will, within said 14 days, execute and deliver to Owner and Contractor a definitive

certificate of Substantial Completion (with a revised tentative list of items to be completed or corrected) reflecting such changes from the tentative certificate as Engineer believes justified after consideration of any objections from Owner.

- D. At the time of delivery of the tentative certificate of Substantial Completion, Engineer will deliver to Owner and Contractor a written recommendation as to division of responsibilities pending final payment between Owner and Contractor with respect to security, operation, safety, and protection of the Work, maintenance, heat, utilities, insurance, and warranties and guarantees. Unless Owner and Contractor agree otherwise in writing and so inform Engineer in writing prior to Engineer's issuing the definitive certificate of Substantial Completion, Engineer's aforesaid recommendation will be binding on Owner and Contractor until final payment.
- E. 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 tentative list.

14.5 *Partial Utilization*

- 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. Owner at any time may request Contractor in writing to permit Owner to use or occupy any such part of the Work which Owner believes to be ready for its intended use and 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 14.04.A through D for that part of the Work.
 2. Contractor at any time may notify Owner and Engineer in writing that Contractor considers any such part of the Work ready for its intended use and 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 14.04 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 5.10 regarding property insurance. (see SC.14.5.A.4)~~

14.6 *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 is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

14.7 *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, marked-up record documents (as provided in Paragraph 6.12), and other documents, Contractor may make application for final payment following the procedure for progress payments.
2. The final Application for Payment shall be accompanied (except as previously delivered) by:
 - a. all documentation called for in the Contract Documents, including but not limited to the evidence of insurance required by Paragraph 5.04.B.6;
 - b. consent of the surety, if any, to final payment;
 - c. a list of all Claims against Owner that Contractor believes are unsettled; and
 - d. complete and legally effective releases or waivers (satisfactory to Owner) of all Lien rights arising out of or Liens filed in connection with the Work.
3. In lieu of the releases or waivers of Liens specified in Paragraph 14.07.A.2 and as approved by Owner, Contractor may furnish receipts or releases in full and an affidavit of Contractor that: (i) the releases and receipts include all labor, services, material, and equipment for which a Lien could be filed; and (ii) 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.

B. *Engineer's Review of Application and Acceptance:*

1. 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 Documents have been fulfilled, Engineer will, within ten days after receipt of the final Application for

Payment, indicate in writing Engineer's recommendation of payment and present the Application for Payment to Owner for payment. At the same time Engineer will also give written notice to Owner and Contractor that the Work is acceptable subject to the provisions of Paragraph 14.09. 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.

C. *Payment Becomes Due:*

1. Thirty days after the presentation to Owner of the Application for Payment and accompanying documentation, the amount recommended by Engineer, less any sum Owner is entitled to set off against Engineer's recommendation, including but not limited to liquidated damages, will become due and will be paid by Owner to Contractor.

14.8 *Final Completion Delayed*

- A. If, through no fault of Contractor, final completion of the Work is significantly delayed, and if Engineer so confirms, Owner shall, upon receipt of Contractor's final Application for Payment (for Work fully completed and accepted) and recommendation of Engineer, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance to be held by Owner for Work not fully completed or corrected is less than the retainage stipulated in the Agreement, and if bonds have been furnished as required in Paragraph 5.01, the written consent of the surety to the payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by Contractor to Engineer with the Application for such payment. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

14.9 *Waiver of Claims*

- A. The making and acceptance of final payment will constitute:
 1. a waiver of all Claims by Owner against Contractor, except Claims arising from unsettled Liens, from defective Work appearing after final inspection pursuant to Paragraph 14.06, from failure to comply with the Contract Documents or the terms of any special guarantees specified therein, ~~or whenever said failure occurs~~ from Contractor's continuing obligations under the Contract Documents; and (see SC-14.09.A.1)
 2. a waiver of all Claims by Contractor against Owner other than those previously made in accordance with the requirements herein and expressly acknowledged by Owner in writing as still unsettled.
 3. 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 with 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. (see SC-14.09.A.3)

ARTICLE 15 – SUSPENSION OF WORK AND TERMINATION

15.1 *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 notice in writing to Contractor and Engineer which will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be granted an adjustment in the Contract Price or an extension of the Contract Times, or both, directly attributable to any such suspension if Contractor makes a Claim therefor as provided in Paragraph 10.05.

15.2 *Owner May Terminate for Cause*

- A. The occurrence of any one or more of the following events will justify termination for cause:
1. Contractor's 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 established under Paragraph 2.07 as adjusted from time to time pursuant to Paragraph 6.04) (see SC-15.02.A.1);
 2. Contractor's disregard of Laws or Regulations of any public body having jurisdiction;
 3. Contractor's repeated disregard of the authority of Engineer; or
 4. Contractor's violation in any substantial way of any provisions of the Contract Documents.
- B. If one or more of the events identified in Paragraph 15.02.A occur, Owner may, after giving Contractor (and surety) seven days written notice of its intent to terminate the services of Contractor:
1. exclude Contractor from the Site, and take possession of the Work and of all Contractor's tools, appliances, construction equipment, and machinery at the Site, and use the same to the full extent they could be used by Contractor (without liability to Contractor for trespass or conversion);
 2. 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
 3. complete the Work as Owner may deem expedient.
- C. If Owner proceeds as provided in Paragraph 15.02.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 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) sustained by Owner arising out of or relating to completing the Work,

such excess will be paid to Contractor. If such claims, costs, losses, and damages exceed 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, 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.

- D. Notwithstanding Paragraphs 15.02.B and 15.02.C, Contractor's services will not be terminated if Contractor begins within seven days of receipt of notice of intent to terminate to correct its failure to perform and proceeds diligently to cure such failure within no more than 30 days of receipt of said notice.
- E. 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. Any retention or payment of moneys due Contractor by Owner will not release Contractor from liability.
- F. If and to the extent that Contractor has provided a performance bond under the provisions of Paragraph 5.01.A, the termination procedures of that bond shall supersede the provisions of Paragraphs 15.02.B and 15.02.C.

15.3 *Owner May Terminate For Convenience*

- A. Upon seven 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;
 - 3. 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) incurred in settlement of terminated contracts with Subcontractors, Suppliers, and others; and
 - 4. reasonable expenses directly attributable to termination.
- B. Contractor shall not be paid on account of loss of anticipated profits or revenue or other economic loss arising out of or resulting from such termination.

15.4 *Contractor May Stop Work or Terminate*

- A. If, through no act or fault of Contractor, (i) the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or (ii) Engineer fails to act on any Application for Payment within 30 days after it is submitted, or (iii) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon seven 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 15.03.
- 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, seven 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 15.04 are not intended to preclude Contractor from making a Claim under Paragraph 10.05 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.

ARTICLE 16 – DISPUTE RESOLUTION

16.1 *Methods and Procedures*

- A. Either Owner or Contractor may request mediation of any Claim submitted to Engineer for a decision under Paragraph 10.05 before such decision becomes final and binding. The mediation will be governed by the Construction Industry Mediation Rules of the American Arbitration Association in effect as of the Effective Date of the Agreement. The request for mediation shall be submitted in writing to the American Arbitration Association and the other party to the Contract. Timely submission of the request shall stay the effect of Paragraph 10.05.E.
- B. Owner and Contractor shall participate in the mediation process in good faith. The process shall be concluded within 60 days of filing of the request. The date of termination of the mediation shall be determined by application of the mediation rules referenced above.
- C. If the Claim is not resolved by mediation, Engineer's action under Paragraph 10.05.C or a denial pursuant to Paragraphs 10.05.C.3 or 10.05.D shall become final and binding 30 days after termination of the mediation unless, within that time period, Owner or Contractor:
1. elects in writing to invoke any dispute resolution process provided for in the Supplementary Conditions; or
 2. agrees with the other party to submit the Claim to another dispute resolution process; or
 3. gives written notice to the other party of the intent to submit the Claim to a court of competent jurisdiction.
- D. Venue for any mediation shall be in Nassau County, Florida. Venue for any litigation shall be in state court in Nassau County, Florida.

ARTICLE 17 – MISCELLANEOUS17.1 *Giving Notice*

- A. Whenever any provision of the Contract Documents requires the giving of written notice, it will be deemed to have been validly given if:
1. delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended; or
 2. delivered at or sent by registered or certified mail, postage prepaid, to the last business address known to the giver of the notice.

17.2 *Computation of Times*

- A. When any period of time is referred to in the Contract Documents 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.

17.3 *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 Documents. 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.

17.4 *Survival of Obligations*

- A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract Documents, as well as all continuing obligations indicated in the Contract Documents, will survive final payment, completion, and acceptance of the Work or termination or completion of the Contract or termination of the services of Contractor.

17.5 *Controlling Law*

- A. This Contract is to be governed by the law of the state in which the Project is located.

17.6 *Headings*

- A. Article and paragraph headings are inserted for convenience only and do not constitute parts of these General Conditions.

SUPPLEMENTARY CONDITIONS

SUPPLEMENTARY CONDITIONS

These Supplementary Conditions amend or supplement the Standard General Conditions of the Construction Contract (EJCDC C-700, 2007 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 1 DEFINITIONS AND TERMINOLOGY

SC-1.01.21 Amend the Defined Terms for *General Requirements* to The General Requirements pertain to all Sections of the specifications.

Add the following new paragraph immediately after paragraph 1.01.51:

SC-1 .01.52 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.

ARTICLE 2 PRELIMINARY MATTERS

SC-2.02.A Amend the first sentence of paragraph 2.02.A of the General Conditions by changing “up to ten” to “five”.

SC-2.05.A Amend the first sentence of paragraph 2.05.A of the General Conditions by changing “Within 10 days after the Effective Date of the Agreement” to “At the Preconstruction Conference”.

Add the following new paragraph immediately after paragraph 2.05.A.3:

SC-2.05.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.

Add the following new paragraph immediately after paragraph 2.06.B:

SC-2.06.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 paragraph 15.02.

Delete paragraph 2.07.A in its entirety and insert the following in its place:

SC-2.07.A All schedules as set forth in Article 2 shall be submitted and accepted by the Owner and Engineer within 30 days of NTP. Should any schedule not be accepted within 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 General Conditions, Section 15.02.

ARTICLE 4 AVAILABILITY OF LANDS; SUBSURFACE AND PHYSICAL CONDITIONS; HAZARDOUS ENVIRONMENTAL CONDITIONS; REFERENCE POINTS

Add the following to the end of paragraph 4.01.C:

SC-4.01.C 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.

Add the following new paragraph immediately after paragraph 4.02.B:

SC-4.02.C In the preparation of Drawings and Specifications, Engineer or Engineer's Consultants relied upon the following report(s) of explorations and tests of subsurface conditions at the Site: See Appendix A

Amend the last sentence in paragraph 4.03.C.3 to read:

SC-4.03.C.3 However, Owner, Engineer and Engineer's Consultants shall not be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.

ARTICLE 5 BONDS AND INSURANCE

Delete paragraph 5.01.B in its entirety and insert the following in its place:

SC-5.01.B 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 255, 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. Contractor 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.

Add the following to the end of paragraph 5.02.A:

SC-5.02.A Certificates of insurance shall be issued by a company with a Best's rating of at least B+ authorized to do business in the State of Florida. Owner must approve non-rated insurers. If used, Owner shall be shown as Certificate Holder, Engineer as Additional Insured and provide a 30-day cancellation notice.

Delete paragraph 5.03.B in its entirety and insert the following in its place:

SC-5.03.B Insurance policies written on a "Claims Made" form is not acceptable without Owner's approval.

Add the following new paragraphs immediately after paragraph 5.03.E:

SC-5.03.F Umbrella Liability insurance is preferred, but an Excess Liability equivalent is acceptable. Whichever type of coverage is provided, it shall not be more restrictive than the underlying insurance policy coverages, including, but not limited to the coverage Trigger, defense, notice of occurrence/accident/circumstances, notice of claim and extended reporting period.

SC-5.03.G No work shall commence under this contract until the required Certificate(s) have been provided. Work shall not continue after expiration (or cancellation) until new Certificate(s) have been provided. Non-continuance of work after expiration (or cancellation) of Certificate(s) will not constitute a delay beyond Contractor's control as defined in paragraph 12.03.

SC-5.03.H Contractor shall arrange for its insurers' policies to include, or be endorsed to include, a severability or interest/cross liability provision, so that Owner will be treated as if a separate policy were in existence, but without increasing the policy limits.

- SC-5.03.I Contractor's deductibles/self-insured retentions shall be disclosed to Owner and may be disapproved by the latter. They shall be reduced or eliminated at the option of Owner. Contractor is responsible for the amount of any deductible or self-insured retention.
- SC-5.03.J These insurance requirements shall not relieve or limit the liability of Contractor. Owner does not in any way represent that these types or amounts of insurance are sufficient or adequate to protect Contractor's interests or liabilities, but are merely minimums.
- SC-5.03.K Insurance required of Contractor or any other insurance of Contractor shall be considered primary, and insurance or self-insurance of Owner shall be considered excess, as may be applicable to claims that arise out of this contract.
- SC-5.03.L Receipt of Certificates or other documentation of insurance or policies or copies of policies by Owner, or by any of its representatives, which indicate less coverage than required does not constitute a waiver of the Contractor's obligation to fulfill the insurance requirements herein.
- SC-5.03. M The Contractor shall either (a) require each subcontractor to produce and maintain the same coverage as required of the Contractor, or (b) insure the activities of subcontractors in his own policy.
- SC-5.03.N These insurance requirements are minimums and may not be adequate to cover Contractor exposures.

Add the following new paragraphs immediately after paragraph 5.04.B:

- SC-5.04.C The limits of liability for the insurance required by paragraph 5.04 of the General Conditions shall provide coverage for not less than the following amounts or greater where required by Laws and Regulations:
1. Workers compensation and related coverages under paragraphs 5.04.A.1 and A.2 of the General Conditions:
 - a. State Statutory
 - b. Applicable Federal (e.g. Longshoreman's) Statutory

- c. Employer's Liability
 - Each Employee
 - \$1,000,000
 - Each Accident
 - \$1,000,000
 - Disease Policy Limit
 - \$1,000,000
 - Disease Each Employee
 - \$1,000,000

- 2. Contractor's General Liability under paragraphs 5.04.A.3 through A.6 of the General Conditions, which shall also include completed operations and product liability coverages and eliminate the exclusion with respect to property under the care, custody and control of the Contractor:
 - a. General Aggregate
(Except Products - Completed Operations)
\$1,000,000
 - b. Products - Completed Operations Aggregate
\$1,000,000
 - c. Each Occurrence
(Bodily Injury and Property Damage)
\$1,000,000
 - d. Property Damage liability insurance may be required to include Explosion, Collapse and Underground coverages where applicable
 - e. Excess or Umbrella Liability
 - General Aggregate
 - \$2,000,000
 - Each Occurrence
 - \$1,000,000

- 3. Automobile Liability under paragraph 5.04.A.6 of the General Conditions:
 - Combined Single Limit
 - \$1,000,000

Delete paragraphs 5.06 through 5.10 in their entirety except for paragraph 5.06.D and insert the following in place of 5.09.A:

SC-5.09.A If Owner has any objection to the coverage afforded by or other provisions of Bonds or insurance required to be purchased and maintained by Contractor in accordance with Article 5 on the basis of non-conformance with the Contract

Documents, Owner shall so notify Contractor in writing within ten days after receipt of the certificates (or other evidence requested) required by paragraph 2.05.C. Contractor shall provide to Owner such additional information in respect of insurance provided as Owner may reasonably request.

ARTICLE 6 CONTRACTOR'S RESPONSIBILITIES

Add the following to the end of paragraph 6.01.A:

SC-6.01.A 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.

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.

Add the following new paragraph immediately after paragraph 6.02.B:

SC-6.02.C 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.

Add the following new paragraphs immediately after paragraph 6.05.A.2.d:

SC-6.05.A.2.e Each action mentioned above required for review of proposed substitute items of material or equipment shall be followed in the order given. Failure to do so shall be cause for rejection of the proposed substitution.

SC-6.05.A.2.f Contractor shall reimburse Owner for the charges of Engineer or Engineer's Consultants for evaluation of substitutions. Owner's reimbursement for the charges shall be a deduction from the Contractor's Partial Payment(s).

Add the following to the end of paragraph 6.06.A:

SC -6.06.A Contractor shall not subcontract part(s) or the work, the aggregate cost of which is greater than 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.

Add the following to the end of paragraph 6.06.B:

SC-6.06.B Subcontractors and Suppliers shall be identified on the form provided in the Bidding Requirements.

Add the following to the end of paragraph 6.08.A:

SC-6.08.A Permits, licenses, and easements for permanent structures or permanent changes in existing facilities shall be secured and paid for by Owner, unless otherwise specified.

Add the following to the end of paragraph 6.09.A:

SC-6.09.A 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 the Work.

Add the following to the end of paragraph 6.09.B:

SC-6.09.B If 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.

Add the following to the end of paragraph 6.12.A:

SC-6.12.A Annotations of record documents shall be legible, precise, and complete as determined by Engineer of Record and the County.

Add the following new paragraph after paragraph 6.13.D:

SC-6.13.G 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.

Add the following new paragraph immediately after paragraph 6.17.E.1:

SC-6.17.E.2 Contractor shall reimburse Owner for the charges of the County and the County's Consultants for costs generated as a result of more than two submittals of any one Shop Drawing or Sample being required for evaluation due to rejection for noncompliance of the original submittal or lack of information required by the Contract Documents. Owner's reimbursement for the charges shall be a deduction from Contractor's Partial Payment(s).

SC-6.20.A Amend the first paragraph of 6.20.A of the General Conditions by changing "(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)" to "(including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or other dispute resolution costs)".

Add the following new paragraph immediately after paragraph 6.20.C:

SC-6.20.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.

ARTICLE 8 OWNER'S RESPONSIBILITIES

SC-8.02 Amend paragraph 8.02 of the General Conditions by striking out the following words: "to whom Contractor makes no reasonable objection."

ARTICLE 9 ENGINEER'S STATUS DURING CONSTRUCTION

Add the following new paragraph immediately after paragraph 9.05.A:

SC-9.05.B Contractor shall reimburse the Owner for the charges of Engineer and Engineer's Consultants for any additional field observations, engineering analysis, correspondence, meetings, or other work due to non-complying or defective construction, materials, or equipment performed or furnished by the Contractor, Subcontractors, or Suppliers. Owner's reimbursement for the charges shall be a deduction from the Contractor's Partial Payment(s).

ARTICLE 10 CHANGES IN THE WORK; CLAIMS

SC-10.05.B Amend the first sentence of paragraph 10.05.B of the General Conditions by changing "(but in no event later than 30 days)" to "(but in no event later than 15 days)".

ARTICLE 11 COST OF THE WORK; CASH ALLOWANCES; UNIT PRICE WORK

Add the following to the end of paragraph 11.01.A.5.c:

SC-11.01.A.5.c In no case shall rates exceed those published by the current edition of Data Quest Incorporated titled, Rental Rate Blue Book for Construction Equipment, and other procedures established by Florida Department of Transportation.

SC-11.01.A.5.f Amend the first sentence of paragraph 11.01.A.5.f by striking out the following words: "(except losses and damages within the deductible amounts of property insurance established in accordance with paragraph 5.06.D)".

Add the following new paragraphs immediately after paragraph 11.01.A.5.i:

SC-11.01.A.5.j The cost of specific consideration for the indemnifications set forth in paragraph 6.20.

SC-11.01.A.5.k The cost of compliance with current local, state and federal safety regulations.

Add the following new paragraphs immediately after paragraph 11.03.D:

SC-11.03.E If Owner objects to Contractor's quoted adjustment in Unit Price Work set forth in paragraph 11.03.D, Owner may assign such work to its own forces or another contractor.

SC-11.03.F Owner reserves the right to delete any Unit Price Work without financial penalty incurred from Contractor.

ARTICLE 12 CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES

Add the following new paragraph immediately after paragraph 12.02.B:

SC-12.02.C 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:

(1) The Contractor being unable to work at least 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.

ARTICLE 13 TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

Add the following to the end of paragraph 13.03.A:

SC-13.03.A 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).

Delete paragraph 13.03.B of the General Conditions and add the following in its place:

SC-13.03.B 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 type and amount of test performed, unit and total cost, and shall 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 test failure will be borne by the Contractor. Payment to the Contractor for testing shall not be made without the required itemized invoicing.

SC-13.08.A Amend the first sentence of 13.08.A by changing "(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)" to "(including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or other dispute resolution costs)".

SC-13.09.C Amend the first sentence of 13.09.C by changing "(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)" to "(including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or other dispute resolution costs)".

ARTICLE 14 PAYMENTS TO CONTRACTOR AND COMPLETION

Delete paragraph 14.02.A.2 in its entirety and insert the following in its place:

SC-14.02.A.2 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 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.

Add the following words to the end of paragraph 14.02.B.1:

“or direct Engineer to present the Application to Owner with Engineer's recommendation of partial payment.”

SC-14.02.B.2 After the word “schedules”, add the words “and the Contract Documents”.

Add the following new paragraph immediately after paragraph 14.02.B.2.c:

SC-14.02.B.2.d Contractor's other obligations under the Contract Documents have been fulfilled.

Delete paragraph 14.05.A.4 in its entirety

Amend paragraph 14.09.A.1 to read:

SC-14.09.A.1 A waiver of all Claims by Owner against Contractor, except Claims arising from unsettled Liens, from defective Work appearing after final inspection pursuant to paragraph 14.06, from failure to comply with the Contract Documents or the terms of any special guarantees specified therein whenever said failure occurs or from Contractor's continuing obligations under the Contractor Documents; and

Add the following new paragraph immediately after paragraph 14.09.A.2:

SC-14.09.A.3 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 with 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.

ARTICLE 15 SUSPENSION OF WORK AND TERMINATION

SC-15.02.A. 1 After the word “Contractor's”, add the words “start the work in accordance with the Notice to Proceed or Contractor's”.

ARTICLE 16 DISPUTE RESOLUTION

Add the following new paragraph immediately after paragraph 16.01.C.3

SC-16.01.D Venue for any mediation shall be in Nassau County, Florida. Venue for any litigation shall be in state court in Nassau County, Florida

TECHNICAL SPECIFICATIONS

SECTION 01 11 00

SUMMARY OF WORK

PART 1 THE WORK AND ITS PERFORMANCE

1.01 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.

1.02 DESCRIPTION OF THE PROJECT

A. The project title is: **Miner Road Widening
Bid Number NC20-003
Nassau County, Florida**

B. This project consists of the widening and resurfacing of Miner Road. The work to be performed is generally described as widening and includes:

- Clearing & Grubbing
- Widening of existing asphalt pavement
- Resurfacing of existing asphalt pavement
- Drainage Structure
- Concrete Curb & Gutter, Type F
- Concrete Sidewalk
- Removal of Existing Concrete
- Earthworks
- Sodding
- Erosion Control
- Traffic maintenance and protection
- Signing & Pavement Markings
- Signalizations

All work shall be in accordance with the construction drawings, specifications, and contract documents.

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

2.01 GENERAL

Work under this contract shall not be performed on County, State and/or national holidays or during such events as the Fernandina Beach Shrimp Festival, Concours D'Elegance, Nassau County School System FSA (as identified at the pre-bid conference), TPC Tournament, Florida-Georgia football game, Jaguars home football games, Gator Bowl, Greater Jacksonville Agricultural Fair, Greater Jacksonville Kingfish Tournament, and Isle of Eight Flags Shrimp Festival, 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 9:00 am or after 3:30 pm (27.5 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 contractor will authorize the Contractor to work such hours as may be necessary. If the County grants the contractor the right to work beyond the normal working hours, the charges shall be those as described in Section 2.03 or as invoiced to Nassau County by CEI and Testing or other professionals required to monitor construction activities as determined by the County. A subsequent reduction in payment to the Contractor will be applied by a corresponding Change Order.

2.02 LANE CLOSURES

Lane closures will be allowed subject to Nassau County's Road Closure Policy (Appendix B).

2.03 REIMBURSEMENT FEES

Should the County approve work time beyond regular hours, the following hourly rates shall be applied as the County's reimbursement of Engineer of Record's fee or Construction Engineering Inspections (CEI) fees to be paid by Contractor for expenses defined in Supplemental Conditions SC-6.02.C, SC-6.05.A.2.f, SC-6.17.E., SC-9.05.B and SC-13.03.A.

A. Engineer	\$217.83
B. Project Manager	\$185.91
C. Construction Administrator	\$100.00
D. Inspector	\$80.00
E. Administrative Assistant	\$65.00

F. Consultant Construction Engineering Inspection (CEI) \$125.00

PART 3 ABBREVIATIONS

3.01 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)

American National Standards Institute (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)

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, 2019-20 Edition (Standard Specifications)

Florida Department of Traffic Standard Plans FY 2018-19 Edition (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 County's Insurance

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 all items shall be in accordance with the FDOT Standard Specifications for Road & Bridge Construction Latest Edition with the exception that reduction in the FDOT acceptance criteria based on payment factors will not be allowed.

PART 2 BID SCHEDULE ITEMS**Item 1 Mobilization**

- A. Measurement and Payment for Mobilization shall be in accordance with Section 101 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Item No. 101-1 Mobilization, on a Lump Sum basis.

Item 2 Maintenance of Traffic

- A. Measurement and Payment for Maintenance of Traffic shall be in accordance with Section 102 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.

- B. Payment will be made under Item No. 102-1 Maintenance of Traffic, on a Day basis.

Item 3. Work Zone Sign

- A. Measurement and Payment for Work Zone Sign shall be in accordance with Section 102 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.

- B. Payment will be made under Item No. 102-60 Work Zone Sign on an Each Day basis.

Item 4. Temporary Barrier, F&I, Low Profile, Concrete

- A. Measurement and Payment for Temporary Barrier, Low Profile, Concrete shall be in accordance with Section 102 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.

- B. Payment will be made under Item No. 102-71-13 Temporary Barrier, F&I, Low Profile, Concrete on a Linear Foot basis.

Item 5. Channelizing Device

- A. Measurement and Payment for Channelizing Device shall be in accordance with Section 102 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.

- B. Payment will be made under Item No. 102-74-1 Channelizing Device, on an Each Day basis.

Item 6. Temporary Retroreflective Pavement Marker

- A. Measurement and Payment for Temporary Retroreflective Pavement Marker shall be in accordance with Section 102 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.

- B. Payment will be made under Item No. 102-78 Temporary Retroreflective Pavement Marker, on an Each basis.

Item 7. Portable Changeable Message Sign, Temporary

- A. Measurement and Payment for Portable Changeable Message Sign, Temporary shall be in accordance with Section 102 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Item No. 102-99 Portable Changeable Message Sign, Temporary on an Each Day basis.

Item 8. Sediment Barrier

- A. Measurement and Payment for Sediment Barrier shall be in accordance with Section 104 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Item No. 104-10-3 Sediment Barrier on a Linear Foot basis.

Items 9. Clearing and Grubbing

- A. Measurement and Payment for Clearing and Grubbing Items shall be in accordance with Section 110 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 110 as follows:
 - 1) Item No. 110-1-1 Clearing and Grubbing, on an Acre cost basis.

Items 10. Removal of Existing Concrete

- A. Measurement and Payment for Removal of Existing Concrete Items shall be in accordance with Section 110 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 110 as follows:
 - 1) Item No. 110-4-10 Removal of Existing Concrete, on a Square Yard basis.

Items 11. Regular Excavation

- A. Measurement and Payment for Regular Excavation Items shall be in accordance with Section 120 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 120 as follows:
 - 1) Item No. 120-1 Regular Excavation, on a Cubic Yard basis.

Items 12. Borrow Excavation

- A. Measurement and Payment for Borrow Excavation Items shall be in accordance with Section 120 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 120 as follows:
 - 1) Item No. 120-2-2 Borrow Excavation, on a Cubic Yard basis.

Items 13. Type B Stabilization

- A. Measurement and Payment for Type B Stabilization Items shall be in accordance with Section 160 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 160 as follows:
 - 1) Item No. 160-4 Type B Stabilization, on a Square Yard basis.

Items 14. Optional Base Group 6

- A. Measurement and Payment for Optional Base Group 6 Items shall be in accordance with Section 285 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 285 as follows:
 - 1) Item No. 285-706 Optional Base Group 6, on a Square Yard basis.

Items 15 Milling Existing Asphalt Pavement 1-1/2" Average Depth

- A. Measurement and Payment for Milling Existing Asphalt Pavement 1-1/2" Average Depth shall be in accordance with Section 327 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 327 as follows:
 - 1) Item No. 327-70-6 Milling Existing Asphalt Pavement 1-1/2" Average Depth, on a Square Yard basis.

Items 16. Superpave Asphaltic Concrete, Traffic B, Pg 76-22

- A. Measurement and Payment for Superpave Asphaltic Concrete, Traffic B, Pg 76-22 shall be in accordance with Section 334 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.

- B. Payment will be made under Section 334 as follows:
 - 1) Item No. 334-1-52 Superpave Asphaltic Concrete, Traffic B, Pg 76-22, on a Tonnage basis.

Items 17. Inlets, Curb, Type P-5, <10'

- A. Measurement and Payment for Inlets, Curb, Type P-5, <10' shall be in accordance with Section 425 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 425 as follows:
 - 1) Item No. 425-13-51 Inlets, Curb, Type P-5, <10', on an Each basis.

Items 18. Manhole, Adjust

- A. Measurement and Payment for Manhole, Adjust shall be in accordance with Section 425 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 425 as follows:
 - 1) Item No. 425-5 Manhole, Adjust, on an Each basis.

Items 19. Pipe Culvert, Optional Material, Round 15" S/Cd

- A. Measurement and Payment for Pipe Culvert, Optional Material, Round 15" S/CD shall be in accordance with Section 430 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 430 as follows:
 - 1) Item No. 430-175-115 Pipe Culvert, Optional Material, Round 15" S/CD, on a Linear Foot basis.

Items 20. Concrete Curb & Gutter, Type F

- A. Measurement and Payment for Concrete Curb & Gutter, Type F shall be in accordance with Section 520 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 520 as follows:
 - 1) Item No. 520-1-10 Concrete Curb & Gutter, Type F, on a Linear Foot basis.

Items 21. Concrete Sidewalk and Driveways, 4" Thick

- A. Measurement and Payment for Concrete Sidewalk and Driveways, 4" Thick shall be in accordance with Section 522 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 522 as follows:
 - 1) Item No. 522-1 Concrete Sidewalk and Driveways, 4" Thick, on a Square Yard basis.

Items 22. Detectable Warnings

- A. Measurement and Payment for Detectable Warnings shall be in accordance with Section 527 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 527 as follows:
 - 1) Item No. 527-2 Detectable Warnings, on a Square Foot basis.

Items 23. Performance Turf (Sod)

- A. Measurement and Payment for Performance Turf (Sod) shall be in accordance with Section 570 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 570 as follows:
 - 1) Item No. 570-1-2 Performance Turf (Sod), on a Square Yard basis.

Items 24. Vehicle Detection System-Video, Adjust/Modify Cabinet Equipment

- A. Measurement and Payment for Vehicle Detection System-Video, Adjust/Modify Cabinet Equipment shall be in accordance with Section 660 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 660 as follows:
 - 1) Item No. 660-04-51 Vehicle Detection System-Video, Adjust/Modify Cabinet Equipment, on an Each basis.

Items 25. Vehicle Detection System-Video, Adjust/Modify Above Ground Equipment

- A. Measurement and Payment for Vehicle Detection System-Video, Adjust/Modify Above Ground Equipment shall be in accordance with Section 660 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 660 as follows:
 - 1) Item No. 660-04-52 Vehicle Detection System-Video, Adjust/Modify Above Ground Equipment, on an Each basis.

Items 26. Single Post Sign, Relocate

- A. Measurement and Payment for Single Post Sign, Relocate shall be in accordance with Section 700 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 700 as follows:
 - 1) Item No. 700-01-50 Single Post Sign, Relocate, on an Assembly basis.

Items 27. Sign Panel, F&I, Overhead Mount, Up To 12 SF

- A. Measurement and Payment for Sign Panel, F&I, Overhead Mount, Up To 12 SF shall be in accordance with Section 700 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 700 as follows:
 - 1) Item No. 700-32-01 Sign Panel, F&I, Overhead Mount, Up To 12 SF, on an Each basis.

Items 28. Painted Pavt, Markings, Std, White, Solid, 6"

- A. Measurement and Payment for Painted Pavt, Markings, Std, White, Solid, 6" shall be in accordance with Section 710 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 710 as follows:
 - 1) Item No. 710-111-01 Painted Pavt, Markings, Std, White, Solid, 6", on a Gross Mile basis.

Items 29. Painted Pavt, Markings, Standard, White, Arrows

- A. Measurement and Payment for Painted Pavt, Markings, Standard, White, Arrows shall be in accordance with Section 710 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 710 as follows:
 - 1) Item No. 710-111-70 Painted Pavt, Markings, Standard, White, Arrows, on an Each basis.

Items 30. Painted Pavt, Markings, Std, Yellow, Solid, 6"

- A. Measurement and Payment for Painted Pavt, Markings, Std, Yellow, Solid, 6" shall be in accordance with Section 710 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 710 as follows:
 - 1) Item No. 710-112-01 Painted Pavt, Markings, Std, Yellow, Solid, 6", on a Gross Mile basis.

Items 31. Painted Pavt, Markings, Final Surface

- A. Measurement and Payment for Painted Pavt, Markings, Final Surface shall be in accordance with Section 710 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 710 as follows:
 - 1) Item No. 710-90 Painted Pavt, Markings, Final Surface, on a Lump Sum basis.

Items 32. Thermoplastic, Standard, White, Solid 12" For Crosswalk and Roundabout

- A. Measurement and Payment for Thermoplastic, Standard, White, Solid 12" For Crosswalk and Roundabout shall be in accordance with Section 711 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 711 as follows:
 - 1) Item No. 711-111-23 Thermoplastic, Standard, White, Solid 12" For Crosswalk and Roundabout, on a Linear Foot basis.

Items 33. Thermoplastic, Standard, White, Arrow

- A. Measurement and Payment for Thermoplastic, Standard, White, Arrow shall be in accordance with Section 711 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 711 as follows:
 - 1) Item No. 711-111-70 Thermoplastic, Standard, White, Arrow, on an Each basis.

Items 34. Thermoplastic, Standard-Other Surfaces, White, Solid, 6"

- A. Measurement and Payment for Thermoplastic, Standard-Other Surfaces, White, Solid, 6" shall be in accordance with Section 711 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 711 as follows:
 - 1) Item No. 711-161-01 Thermoplastic, Standard-Other Surfaces, White, Solid, 6", on a Gross Mile basis.

Items 35. Thermoplastic, Standard-Other Surfaces, Yellow, Solid, 6"

- A. Measurement and Payment for Thermoplastic, Standard-Other Surfaces, Yellow, Solid, 6" shall be in accordance with Section 711 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.
- B. Payment will be made under Section 711 as follows:
 - 1) Item No. 711-162-01 Thermoplastic, Standard-Other Surfaces, Yellow, Solid, 6", on a Gross Mile basis.

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.

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.

- 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.

- 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.

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.

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:

None

- 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)

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.

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.

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.

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.

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.
- 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 work day 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, January 2020 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.

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.

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, January 2020 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 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 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)

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 named alternatives.
- B. Changes and revisions to Contract Documents may be made by Change Order, Field Order, or other procedure authorized under the Contract Documents.
- 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.

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.
- E. Upon completion, restore areas disturbed by construction.

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 of 1988.

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 work.
- 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)

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.

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

DIVISION 31

EARTHWORK

SECTION 31 05 10

SITE PREPARATION

PART 1 GENERAL

1.01 SUMMARY

- A. Provide site preparation as shown and as specified. Comply with applicable provisions of Div. 00 and 01.
- B. Work includes, but is not limited to:
 - 1. Protection of improvements, plants, and utilities.
 - 2. Removal and replacement of improvements.
 - 3. Location of utilities and coordination with utility companies.
 - 4. All clearing and grubbing of trees and vegetation.
 - 5. Topsoil salvage.

1.02 MEASUREMENT AND PAYMENT

- A. Site preparation will be considered incidental to the work except where separate pay items are included in Bid Schedule.
- B. Drawing notes related to removals and replacements shall be interpreted as directives to Contractor for such work at no extra cost except where separate pay items are provided in Bid Schedule.

PART 2 (NOT USED)

PART 3 EXECUTION

3.01 PROTECTION

- A. Protect improvements on site and on adjoining properties Provide barricades, coverings, or other types of protection as necessary to prevent damage and to safeguard against injury. Restore to original condition improvements damaged by the work or improvements which required temporary removal during construction.
- B. Protect existing vegetation indicated to remain against unnecessary cutting, breaking, bruising, or smothering by stockpiling excavated materials or parking of vehicles within

drip line. Provide temporary fences, tree wells, barricades, or guards; repair or replace trees and vegetation damaged by construction operations.

- C. Protect survey monuments, reference points, and benchmarks from movement. Should removal be necessary, notify Engineer of Record and the County who will give notice for removal at Contractor's expense. Contractor shall pay cost for re-establishing monuments lost due to its negligence or failure to notify Engineer of Record and the County.
- D. No extra payment or time will be allowed for protection work that could have been suspected or anticipated by site inspection and interpretation of bidding documents prior to execution of contract.

3.02 UTILITIES

- A. Location and description of underground utilities and structures shown on drawings are approximate and are based on records available to the County or surface features indicating their existence. There may be other utilities within project area that are not shown.
- B. Notify all affected utility companies of construction operations at least three working days before beginning work near their facilities. Do not begin excavation work until underground utility locations have been marked.
- C. Use caution when excavating so that exact location of underground utilities, both known and unknown, may be determined. Provide adequate protection and support for utilities during construction operations.
- D. If uncharted or incorrectly charted utilities are encountered during excavation work, or if proposed construction conflicts with existing utilities, give prompt notice and submit proposed solution to Engineer of Record and the County for approval. If required, make arrangements with utility companies for relocation of interfering utilities. No extra cost or time will be allowed for unexpected delays or coordination work, except for authorized alterations as follows. When a change is permitted to avoid a utility relocation, Engineer of Record and the County will determine whether such change constitutes extra work. Underground utilities and structures located outside of construction limits which Contractor wishes to have moved to facilitate construction shall be arranged with each owner of such facilities; Contractor shall pay all costs of such relocations for convenience.
- E. During construction of pipe lines, it may be necessary to cross under certain underground utilities and structures. Prevent damage to such facilities. Where

necessary, divert flow in drains or culverts so that trenches are kept dry during work. Deposit and compact sand or gravel bedding and backfill around exposed facilities by mechanical means in layers not to exceed 6 in. Wherever such facilities are disturbed or broken, restore them to good condition at no additional cost to the County.

3.03 SITE CLEARING

- A. Remove trees, stumps, snags, shrubs, brush, heavy growths of grass, weeds and other vegetation, improvements, rubbish and debris, and obstructions that interfere with proposed construction; remove items only as necessary for completion of work.
- B. Cut brush and vegetation flush with ground. Grub out stumps, roots having a diameter of 2 in. or larger, and root clusters to a depth of at least 2 ft below subgrade elevation for pavements, structures, and embankments and 6 in. below ground surface in other areas.
- C. Carefully and cleanly cut roots and branches of trees indicated to be left standing, where such roots and branches obstruct new construction. Cut back roots a minimum of 1 ft from concrete work, paving, and structures and to a depth of not less than 2 ft below structures, foundations, and embankments.

3.04 TOPSOIL STRIPPING

- A. Topsoil shall include all friable, fertile, loam soil suitable for grass and plants, found at surface to a depth of approximately 4 in., reasonably free of subsoil, clay lumps, stones, objects over 2-in. diameter, weeds, large roots, root clusters, and other objectionable material.
- B. Strip topsoil from project area to whatever depths encountered; prevent intermingling with underlying subsoil or other objectionable material. Remove heavy growths of grass from areas before stripping topsoil.
- C. Where trees are indicated to remain, terminate stripping a sufficient distance from such trees to prevent damage to root system.
- D. Stockpile topsoil in storage piles in areas where designated. Construct storage piles to freely drain surface water. Cover or sprinkle water on storage piles to prevent windblown dust.

3.05 DEMOLITION

- A. Remove structures, pavements, and improvements within construction limits as shown and as required for construction. Saw cut asphaltic and concrete pavement to provide a smooth straight joint. Remove below-grade items encountered, such as slabs and foundations, that interfere with construction.
- B. The County shall have first right to retain all useful salvage. All items not retained by the County and construction debris shall become property of Contractor.

3.06 DEBRIS DISPOSAL

- A. Remove debris and excess materials from site and legally dispose of it. Burning shall not be permitted on project site. Comply with federal, state, and local laws and regulations.

SECTION 31 20 00

EARTHWORK

PART 1 GENERAL

1.01 SUMMARY

- A. Provide earthwork as shown and as specified. Comply with applicable provisions of Div. 0 and 1.
- B. Excavation and Embankment shall be constructed in accordance with Section 120 of the Florida Department of Transportation Standard Specifications for Road and Bridge, January 2020 Edition, and the FDOT Standard Plans FY 2018-19 (Index 500 and 505).

1.02 RELATED SECTIONS

31 05 10 Site Preparation

1.03 CLASSIFICATION

- A. Excavation of materials encountered under this work will be unclassified without regard to type, difficulty to remove, or suitability for use in construction.

1.04 SUBMITTALS

- A. Test Reports: Submit reports for laboratory and field tests required under "Testing" article Test reports for footing, slab, and pavement subgrades shall be submitted prior

to placing concrete or paving materials. Make submittals in accordance with Section 01 33 00.

1.05 TESTING

- A. Contractor shall arrange and pay for soil sampling and testing by a qualified testing agency, acceptable to the County and independent of Contractor. Test soil materials for suitability for intended purpose using standard, recognized procedures.
- B. Determine mechanical analysis, liquid and plastic limit, and moisture-density curve (ASTM D1557) for each type of soil encountered.
- C. During course of work, testing agency shall inspect and approve subgrades and fill layers before further construction work is performed on each layer Perform field density tests as follows:
 - 1. Structure Slabs and Paved Areas: Perform at least one field density test on fill subgrade for every 300 LF of structure slab or paved area, but in no case less than three tests. In each compacted fill layer, perform at least one field density test for every 300 LF of overlaying structure slab or paved area, but in no case less than three tests. Testing criteria will include operation for paved widening and paved shoulders, but not both simultaneously.
 - 2. Utility Trench Backfill: Perform at least two field density tests in random compacted backfill layers for every 400 linear feet of trench under pavements and structures.
- D. If in opinion of Engineer of Record and the County, based on reports of testing agency and inspection, subgrade or fills which have been placed are below specified density, provide additional compaction and testing at no additional cost to the County.

1.06 PROTECTION

- A. Protect existing improvements, utilities, trees and shrubs, and reference marks in accordance with Section 31 05 10.

1.07 BLASTING

- A. Use of explosives is not permitted.

PART 2 PRODUCTS

2.01 SOIL MATERIALS, GENERAL

- A. Soil materials shall be free of organic matter, debris and other objectionable materials. Rock particles larger than maximum size specified shall be removed prior to placement of soil.
- B. Select existing material from required excavations may be used for fill or backfill if it meets the specified product requirements. If necessary, furnish additional approved material from suitable off-site sources.

2.02 GRANULAR FILL, BEDDING, AND BACKFILL

- A. Select soils to comply with AASHTO M-145 - Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes.

2.03 FILL AND BACKFILL

- A. Previously excavated soils, free of aggregate larger than 3 in., and suitable for intended purpose.

PART 3 EXECUTION

3.01 PREPARATION

- A. Prepare site for work in accordance with Section 31 05 10. Layout and stake lines and grades as required to complete the work.

3.02 EXCAVATION

- A. Excavate to achieve necessary dimensions, lines, grades, and cross-sections. Conform to elevations and dimensions shown within a tolerance of plus or minus 0.10 ft.
- B. For footings and foundations, take care not to disturb bottom of excavation. Excavate to final grade just before concrete is placed. Trim bottoms to required lines and grades to leave solid, undisturbed base to receive granular fill, base course, or concrete as shown.

3.03 TRENCHING

- A. Excavate trenches so that pipe can be laid safely and accurately to required line and grade. Hand excavate for bells, fittings and projections to allow for proper jointing and to ensure that pipe rests evenly along barrel and is not resting on bell.
- B. In sand and gravel soils, bottom of trench may be shaped to fit bottom 1/3 of pipe. In silt or clay soils, bottom of trench shall be 4 in. below pipe barrel and 3 in. below bell.

Under foundations and footings, bottom of trench shall be 8 in. below pipe. Provide Granular Bedding as specified below.

3.04 UNAUTHORIZED EXCAVATION

- A. Unauthorized excavation consists of removal of materials beyond indicated elevations or side dimensions without specific direction of Engineer of Record. Unauthorized excavation, as well as remedial work, shall be at Contractor's expense. Notify Engineer of Record and the County if unauthorized excavations are made.
- B. Backfill and compact unauthorized excavations as specified for authorized excavations of same classification, unless otherwise directed.

3.05 ADDITIONAL EXCAVATION (OVER EXCAVATION)

- A. When excavation has reached required subgrade elevation, notify Engineer of Record and the County who will make an inspection of conditions. Inform Engineer of Record and the County of unsuitable, unconsolidated subgrade soils.
- B. If unsuitable bearing materials, such as poorly compacted fill, existing foundations, rubble, debris, or organic deposits, are encountered at required subgrade elevations, carry excavations deeper and replace excavated material with properly compacted Fill as directed by Engineer of Record and the County.
- C. Removal of unsuitable material and its replacement as directed will be paid for as extra work. Do not proceed with extra work until authorized by the County.

3.06 STABILITY OF EXCAVATIONS

- A. Maintain sides and slopes of excavations in a safe condition per OSHA guidelines until completion of backfilling. Slope sides of excavations to angle of repose of material excavated; otherwise, shore and brace where sloping is not possible either because of space restrictions or stability of material excavated. Comply with applicable codes and ordinances.

3.07 DEWATERING

- A. Perform earthwork in a manner to prevent surface water and ground water from flowing into excavations. Promptly remove water from excavations using pumps, sumps, and dewatering system components necessary to convey water away from excavations. If underground springs are encountered, notify Engineer of Record and the County before proceeding.

- B. Dewatering may require a "Generic Permit for the Discharge of Produced Groundwater from Any Non-Contaminated Site Activity." Groundwater testing may be required. The cost of any dewatering permit and required testing shall be paid by the Contractor.

3.08 STOCKPILING

- A. Stockpile excavated materials meeting the requirements for fill and backfill where directed until required for the work. Place, grade, and shape stockpiles for proper drainage. Locate stockpiles a sufficient distance from edge of excavations to prevent such material from falling or sliding into excavations and to prevent cave-ins.

3.09 COLD WEATHER PROTECTION

- A. Protect excavation bottoms against freezing when atmospheric temperature is less than 35 degrees F by covering with dry insulating materials of sufficient depth to prevent frost penetration.

3.10 EXAMINATION OF SUBGRADE

- A. Examine subgrade prior to placement of fill or backfill. Do not place materials on frozen subgrade. Plow, strip, or break-up sloped surfaces steeper than 1 vertical to 4 horizontal so that material will bond with subgrade. When subgrade has a density less than that specified for the particular area, breakup ground surface, pulverize, moisture-condition to optimum content, and compact top 12 in. to density specified in Part 4 Schedules.

3.11 FILLING AND BACKFILLING, GENERAL

- A. Do not place fill or backfill until required excavation and subgrade preparation have been inspected and approved by Engineer of Record and the County.
- B. Place fill or backfill in approximately horizontal layers; do not exceed the maximum lift thickness specified in Part 4 Schedules before compaction. Spread piles and windrows uniformly.
- C. Adjacent to structures, place fill or backfill to prevent damage and allow structures to assume loads gradually and uniformly, at approximately the same rate on all sides of structure.

3.12 TRENCH BEDDING AND BACKFILL

- A. Bedding, haunching, and initial backfill for rigid pipes shall be in accordance with ASTM C12, Class C or better. Bedding, haunching, and initial backfill for flexible pipes shall be in accordance with ASTM D2321, Class II or better.
- B. Trenches dug in sandy or gravelly materials may use undisturbed earth for bedding provided surface is shaped to conform to pipe. Provide Granular Bedding in all other trenches from subgrade to a point supporting bottom 1/3 of pipe for rigid pipe and to springline (mid-height) for flexible pipe. Place and compact bedding so that it fills and supports pipe haunch area.
- A. Immediately after installation of pipe, provide tamped Granular Backfill up to a minimum depth of 1 ft above pipe. Take special care in placing and tamping initial backfill material so alignment and grade of pipe is not disturbed nor pipe damaged.

3.13 BACKFILL

- A. Provide Backfill material to bring excavations to natural or designated grade.

3.14 GRADING

- A. Grade area within project limits by cutting and/or filling as necessary to achieve lines and grades shown. Grade areas adjacent to structure lines to drain away from structure to prevent ponding. Finish surface to be reasonably smooth and free from irregular surface changes. Tolerance for areas to receive topsoil shall be 0.3 ft above or below established grade, less allowance for topsoil. Tolerance for areas to be paved shall be 0.1 ft above or below established pavement subgrade.

3.15 COMPACTION

- A. Compact each layer of soil material to not less than the percentage of maximum density specified in Part 4 Schedules.
- B. Provide compaction equipment required to obtain specified compaction. Compaction by travel of grading equipment is not considered adequate for uniform compaction. Small vibratory compactors are required wherever fill is placed adjacent to foundation walls, footings, and piers. Pipe bedding and initial backfill shall be hand or mechanically tamped.
- C. During placement and compaction, maintain moisture content of materials within optimum range.

3.16 DISPOSAL OF EXCESS AND WASTE MATERIALS

- A. Remove excess excavated material, trash, debris, and other waste materials and legally dispose of them off-site.

PART 4 SCHEDULES

4.01 COMPACTION SCHEDULE

<u>Location</u>	<u>Lift Thickness¹</u>	<u>Compaction²</u>
Below foundations, slabs, pavements, walks, and other designated areas.	12"	98%
Bedding and initial backfill around pipe and conduit.	6"	98%
Unpaved areas 10 ft. or less outside structure line.	12"	98%
Unpaved areas more than 10 ft. outside pavement area.	12"	95%

¹Place manually compacted materials in maximum 6-in. layers.

²Percent of maximum density determined in accordance with AASHTO Modified Proctor T 188.

SECTION 31 22 00

SITE GRADING

PART 1 GENERAL

1.01 SUMMARY

- A. Provide site grading, including preparation of subgrade for pavements and walks, as shown and as specified. Comply with applicable provisions of Div. 00 and 01.

1.02 RELATED SECTIONS

31 05 10 Site Preparation

31 20 00 Earthwork

1.03 CLASSIFICATION

- A. Excavation of materials encountered under this work will be unclassified without regard to type, difficulty to remove, or suitability for use in construction.

1.04 SUBMITTALS

- A. Test Reports: Submit reports for laboratory and field tests required under "Testing" article. Test reports for slab and pavement subgrades shall be submitted prior to placing concrete or paving materials. Make submittals in accordance with Section 01 33 00.
- B. Samples: Two weeks prior to start of construction, indicate source and submit samples of proposed fill and backfill materials for testing and review. Make submittals in accordance with Section 01 33 00.

1.05 TESTING

- A. Contractor shall arrange and pay for soil sampling and testing by a qualified testing agency, acceptable to the County and independent of Contractor. Test soil materials for suitability for intended purpose.
- B. Test subgrade and fill materials for gradation in accordance with ASTM C136 for conformance with AASHTO M-145 gradation limits. Test materials for liquid limit and plasticity index in accordance with ASTM D4318. Analyze materials within 4 ft of finished grades of paved areas.
- C. Provide one optimum moisture-maximum density curve for each type of soil encountered in subgrade and fills under structure slabs and foundations and paved areas; determine maximum densities in accordance with ASTM D1557.
- D. During course of work, testing agency shall inspect and approve subgrades and fill layers before further construction work is performed on each layer. Perform field density tests in accordance with standard, recognized procedures. Take tests as follows:
 - 1. Structure Slabs: Perform at least one field density test on fill subgrade for every 300 LF of structure slab, but in no case less than three tests. In each compacted fill layer, perform at least one field density test for every 300 LF of overlaying structure slab, but in no case less than three tests.
 - 2. Paved Areas: Perform at least one field density test on fill subgrade for every 300 LF of paved area, but in no case less than three tests. In each compacted fill layer, perform one field density test for every 300 LF of paved area, but in no case less than three tests.

- E. If in opinion of Engineer of Record and the County, based on reports of testing agency and inspection, subgrade or fills which have been placed are below specified density, provide additional compaction and testing at no additional cost to the County.

1.06 PROTECTION

- A. Protect existing improvements, utilities, trees and shrubs, and reference marks in accordance with Section 31 05 10.

PART 2 PRODUCTS

2.01 SOIL MATERIALS, GENERAL

- A. Soil materials shall be free of organic matter, debris and other objectionable materials. Rock particles larger than maximum size specified shall be removed prior to placement of soil.
- B. Select existing material from required excavations may be used for fill or backfill if it meets the specified product requirements. If necessary, furnish additional approved material from suitable off-site sources.

2.02 STRUCTURAL FILL

- A. Select soils complying with AASHTO M-145 soil classification system groups A-1-a, A-1-b, or A-3; or these groups in combination with group A-2-4. Maximum aggregate size shall be 1/2 specified lift thickness. Maximum 15% by weight shall pass a No. 200 sieve; plasticity index shall not exceed 5. Refer to FDOT Standard Plans 2018-2019 and Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition.

2.03 SITE FILL

- A. Select, natural, free draining soils complying with AASHTO M-145 soil classification system groups A-1-a, A-1-b, A-3, or combinations thereof, and suitable for compaction. Maximum aggregate size shall be 1/2 specified lift thickness.

PART 3 EXECUTION

3.01 GRADING

- A. Grade area within project limits by cutting and filling as necessary to achieve new lines and grades shown.

- B. For lawn areas, allow 4 in. for topsoil placement. For landscape plants, allow 6 in. for topsoil placement. For surfaced areas such as slabs, pavements, and walks, grade to underside of respective surfacing or base course.
- C. Grade excavated and filled sections and adjacent transition areas to be reasonably smooth, compacted, and free from irregular surface changes. Degree of finish shall be that ordinarily obtained from either blade grader or scraper operations, except as otherwise specified. Tolerance for areas to receive topsoil shall be 0.3 ft above or below established grade, less allowance for topsoil. Tolerance for areas to receive surfacing shall be 0.1 ft above or below established subgrade.

3.02 SUBGRADE PREPARATION

- A. Examine subgrade prior to placement of fill. Remove any organic materials or debris subject to rot or corrosion. Plow, strip, or break-up sloped surfaces steeper than 1 vertical to 4 horizontal so that fill material will bond with subgrade.
- B. In structure areas, compact exposed subgrade in-place to the density specified in Part 4 Schedules by several passes of a large vibratory roller traveling at a relatively slow rate.
- C. In pavement areas, proof roll exposed subgrade with a loaded, tandem axle dump truck to detect soft or yielding areas.
- D. Notify Engineer of Record and the County of unsuitable, unconsolidated subgrade soils.

3.03 FILLING

- A. Provide Structural Fill under structure slabs, pavements, and walks. Provide Site Fill in unpaved areas.
- B. Place fill in approximately horizontal layers, do not exceed maximum lift thickness specified in Part 4 Schedules before compaction.
- C. During placement and compaction, maintain moisture content of materials within optimum range. Compact each layer of fill to not less than the percentage of maximum density specified in Part 4 Schedules.

3.04 MAINTENANCE

- A. Protect newly graded areas from traffic and erosion, and keep free of trash and debris. Repair and re-establish grades in settled, eroded, and rutted areas to specified tolerances.
- B. Maintain erosion control measures to prevent run-off and sediment pollution of adjacent water courses.

3.05 DISPOSAL OF EXCESS AND WASTE MATERIALS

- A. Remove excess excavated material, trash, debris, and other waste materials and legally dispose of them off-site.

PART 4 SCHEDULES

4.01 COMPACTION SCHEDULE

<u>Location</u>	<u>Lift Thickness</u>	<u>Compaction¹</u>
Structure Slab, Pavement, and Walk Areas	See Section	31 20 00
Structure Slabs	12"	98%
Pavement and Walk Areas	12"	98%
Unpaved Areas (10' from EOP)	12"	95%

¹Percent of maximum density determined in accordance with AASHTO Modified Proctor T 188.

SECTION 31 25 00

EROSION AND SEDIMENTATION CONTROL

PART 1 - GENERAL

1.1 DESCRIPTION

- A. In addition to the requirements of the applicable sections in Divisions 00 and 01:

1. All erosion, sedimentation and water pollution control features shall be in place or relocated as

necessary prior to the start of any clearing, grading or construction. Contractor shall be responsible for the installation and maintenance of all temporary erosion control features.

2. Location of the control features shall be as required to facilitate drainage and control erosion and sedimentation within and adjacent to the site.
3. Control features are defined as, but not limited to, swales, berms, silt fences, silt barriers and temporary fences.
4. Compliance with Florida Administrative Code 62-621.300(4) Notice of Intent (NOI) to use Generic Permit for Stormwater Discharge from Large and Small Construction Activities.

1.2 QUALITY ASSURANCE

- A. The provisions for prevention, control and abatement of erosion, sedimentation and water pollution shall be as stated in the FDOT Standard Specifications for Road and Bridge Construction, Section 104, latest edition, and as required by the St. John's River Water Management District.
 - B. The provisions for BMP standards and specifications to control erosion and sediment during construction as stated in the "Florida Development Manual: A Guide to Sound Land and Water Management" for stormwater and non-point source management.

1.3 PERMITS

- A. A Notice of Intent to use Generic Permit for Stormwater Discharge from Large and Small Construction Activities shall be required for this project.

1.4 SUBMITTALS

- A. Procedures shall be in accordance with General Conditions.
- B. Product data: Manufacturers' literature, application instructions and samples.
- C. List of materials and their characteristics for other erosion control items.
- D. Stormwater Pollution Prevention Plan Action Plan.

1.5 START OF WORK

- A. Do not start work until the NOI has been submitted.
- B. Do not start work until erosion control measures are in place.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Silt Barriers

- 1. One (1) type of silt barriers shall be installed in accordance with the plans: silt barriers installed on the ground.
- 2. Silt barriers (filter fabric) shall be synthetic and contain ultraviolet ray inhibitors and Stabilizers to provide a minimum of six (6) months of expected usable construction life at a temperature range of zero degrees Fahrenheit (0° F) to one hundred twenty degrees Fahrenheit (120° F). Hay bales shall not be used for silt barriers, unless specifically approved by the County.
- 3. Filter fabric shall be a pervious sheet of propylene, nylon or polyester and shall be certified by the manufacturer or supplier to conform to the following specifications:

Filter efficiency (Test VTM-51): 75%

Minimum tensile strength at 20% elongation 120 lbs
(Test ASTM-D-1682):

Tear strength (Test ASTM D2263): 50 lbs

- 4. Contractor shall submit further filter fabric specifications and installation configuration prior to start of construction.
- 5. Silt barriers shall be maintained in place until substantial completion of the Project.
- 6. Filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid use of joints. When joints are necessary filter fabric shall be spliced together only at a support post, with a six-inch (6") overlap, and securely sealed.
- 7. The following items shall be installed and maintained in accordance with the applicable sections of the FDOT Standard Specifications:

- a. Temporary silt fences and staked silt barriers
- b. Floating silt barrier

B. Hay Bales

1. Provide bales having minimum dimensions of 14 by 18 by 36 inches at the time of placement. Construct Baled Hay or Straw dams according to details shown in the plans, as directed by the Engineer of Record and the County or as shown in the Design Standards to protect against downstream accumulations of sediment.
2. Use natural baled hay or straw meeting the requirements of 981-3 or synthetic hay bales may be used as an alternative to natural baled hay or straw. Synthetic hay bales should be interlocking, have pre-made stake holes, are made of synthetic fibers (polypropylene, nylon, polyester) that meet the Environmental Protection Agency's TCLP standards, and produced into a filter medium with needle-punched fibers. Use synthetic hay bales listed on the QPL. Wash out and remove sediment deposits when the deposits reach 1/2 the height of the reusable synthetic hay bale or as directed by the Engineer of Record. Dispose of the washout in accordance with 104-3 or in an area approved by the Engineer of Record. Synthetic hay bales that have had sediment deposits removed may be reinstalled on the project as approved by the Engineer of Record.

PART 3 - EXECUTION

3.1 GENERAL

- A. Temporary erosion control features shall consist of, but not be limited to, temporary grassing, temporary sodding, staked sodding, temporary mulching, sandbagging, slope drains, sediment basins, artificial coverings, berms, baled hay or straw, floating silt barriers, staked silt barriers, and staked silt fences. Design details for some of these items may be found in the Water Quality Section of the applicable edition of the FDOT Design Standards. All of these items shall be constructed in accordance with applicable sections of the FDOT Standard Specifications.
- B. Incorporate permanent erosion control features into the project at the earliest practical time. Correct conditions, using temporary measures that develop during construction to control erosion prior to the time it is practical to construct permanent control features.
- C. Construct temporary and permanent erosion and sediment control measures and maintain them to prevent the pollution of adjacent water ways in conformance with the laws, rules and regulations of Federal, State and local agencies.
- D. Copies of approved permits will be provided to the Contractor for his review and use. Contractor

shall be required to comply with all General and Special Conditions noted within the permit by the particular permitting agency. The Contractor shall maintain copies of these permits on the job site at all times.

3.2 SILT BARRIERS

- A. Silt barriers shall be installed and maintained at the locations shown on the Drawings. The Contractor is required to prevent the possibility of silting onto any adjacent parcel.
- B. Silt barrier shall be of the staked type and stakes shall be installed as indicated in the Drawings.
- C. The height of the silt barrier fabric shall be a minimum of forty-two inches (42").
- D. The stakes shall be two inch (2") x four inch (4") wood, five feet (5') long and shall be spaced a maximum of ten feet (10') apart at the barrier location and driven securely into the ground.
- E. A trench shall be excavated approximately four inches (4") wide by four (4") deep along the line of stakes. The filter fabric shall be tied or stapled to the wooden stakes and eight inches (8") of fabric shall be extended into the trench. The staples shall be heavy duty wire and at least one-half inch (1/2") long. The trench shall then be backfilled and the soil compacted over the filter fabric.

3.3 MAINTENANCE

- A. Silt barriers shall be inspected immediately after each rainfall and at least once a day during periods of prolonged rainfall. Any repairs shall be made immediately.
- B. Should the fabric on a silt barrier decompose or become ineffective, the installation shall be repaired or replaced immediately at no additional cost to the County. If the Contractor fails to repair or replace the items as above, the County shall have the right to stop work without additional cost to the County in accordance with Article 15 of the General Conditions until such time as the repair or replacement has been made.
- C. Sediment deposits shall be removed after each storm event. The Contractor will repair and restore the installations to a working and effective condition to the satisfaction of the County.
- D. At the completion of all work, the silt barriers will be removed unless otherwise directed by the County.

- E. Any sediment deposits in place after the silt fence is no longer required shall be dressed to conform to the existing grade and prepared for seeding or sodding.

3.4 CONTROL OF CONTRACTOR'S OPERATIONS WHICH MAY RESULT IN WATER POLLUTION

- A. Take sufficient precautions to prevent pollution of streams, canals, lakes, reservoirs, wetlands and other sensitive areas with silt, sediment, fuels, oils, bitumens, calcium chloride, or other harmful materials. Conduct and schedule operations so as to avoid or otherwise minimize pollution or siltation of such streams, etc. and to avoid interference with movement of migratory fish. Do not pump the residue from dust collectors or washers into any water body.
- B. Construction operations in rivers, streams, lakes, tidal waters, reservoirs, canals, and other impoundments shall be restricted to those areas where it is necessary to perform filling or excavation to accomplish the work shown in the contract Documents and to those areas which must be entered to construct temporary or permanent structures. As soon as conditions permit, promptly clear rivers, streams, and impoundments of all obstructions placed therein or caused by construction operations.
- C. Except as necessary for construction, do not deposit excavated material in rivers, streams, canals, or impoundments, or in a position close enough thereto, to be washed away by high water or run-off.
- D. Where pumps are used to remove highly turbid waters from enclosed construction areas such as cofferdams or forms, treat the water prior to discharge into State or other waters. Pump the water into grassed swales, appropriately vegetated areas, or sediment basins, or confine it by an appropriate enclosure such as siltation curtains when other methods are not considered appropriate. Do not contaminate State or other waters.
- E. Do not disturb lands or waters outside the limits of construction, unless approved in advance and in writing by the County. No operations within non-permitted wetlands or upland buffers are allowed.

3.5 PROTECTION DURING SUSPENSION OF CONTRACT TIME

- A. In the event that it is necessary that the construction operations be suspended for any appreciable length of time, shape the top of the earthwork in such a manner as to permit run-off of rainwater and construct earth berms along the top edges of embankments to intercept run-off water. Provide temporary slope drains to carry run-off from cuts and embankments which are located in the vicinity of rivers, streams, canals, lakes and impoundments. Should such preventative measures fail, immediately take such other action as necessary to effectively prevent erosion and siltation.

DIVISION 32

EXTERIOR IMPROVEMENTS

SECTION 32 12 01

STABILIZATION

PART 1 GENERAL

1.01 SUMMARY

- A. Type B Stabilization, 2" Avg. Depth & 0.875" Avg. Depth, shall be constructed in accordance with Section 160 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition, including Supplemental Specifications.

SECTION 32 12 03

MILLING OF EXISTING ASPHALT PAVEMENT

PART 1 GENERAL

1.01 SUMMARY

- A. Milling of Existing Asphalt Pavement, 1.5" Avg. Depth, shall be constructed in accordance with Section 327 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition, including Supplemental Specifications.

SECTION 32 12 03

MILLING OF EXISTING ASPHALT PAVEMENT

PART 1 GENERAL

1.01 SUMMARY

- A. Milling of Existing Asphalt Pavement, 1.5" Avg. Depth, shall be constructed in accordance with Section 327 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition, including Supplemental Specifications.

SECTION 32 12 07

PERFORMANCE TURF

PART 1 GENERAL

1.01 SUMMARY

- A. Performance Turf, Sod, shall be constructed in accordance with Section 570 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition, including Supplemental Specifications.

SECTION 32 12 08

RETROREFLECTIVE PAVEMENT MARKERS

PART 1 GENERAL

1.01 SUMMARY

- A. Retro-Reflective/Raised Pavement Markers, shall be constructed in accordance with Section 706 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition, including Supplemental Specifications.

SECTION 32 12 09

THERMOPLASTIC PAVEMENT MARKINGS

PART 1 GENERAL

1.01 SUMMARY

- A. Thermoplastic, Standard, White, Solid, 6", shall be constructed in accordance with Section 711 of the Florida Department of Transportation Standard Specifications for

Road and Bridge Construction, January 2020 Edition, including Supplemental Specifications.

- B. Thermoplastic, Standard, White, Solid, 24", For Stop Line and Crosswalk, shall be constructed in accordance with Section 711 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition, including Supplemental Specifications.
- C. Thermoplastic, Standard, White, 2-4 Dotted Guideline/6-10 Gap Extension, 6", shall be constructed in accordance with Section 711 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition, including Supplemental Specifications.
- D. Thermoplastic, Standard, White, Arrow, shall be constructed in accordance with Section 711 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition, including Supplemental Specifications.
- E. Thermoplastic, Standard, Yellow, Solid, 6", shall be constructed in accordance with Section 711 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition, including Supplemental Specifications.
- F. Thermoplastic, Standard, Yellow, 2-4 Dotted Guideline/6-10 Dotted Extension Line, 6", shall be constructed in accordance with Section 711 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2020 Edition, including Supplemental Specifications.

DIVISION 33

UTILITIES

Utilities

The Contractor to coordinate with the utilities within the project limit.

APPENDICES

APPENDIX A
GEO TECHNICAL REPORT



Roadway Geotechnical Exploration and Evaluation Report

Miner Road Right Turn Lane at SR 200 Nassau County, Florida

**CSI Geo Project No.: 71-19-138-68
CSI Project No.: 1911-2404**

Prepared by

**CSI Geo, Inc.
2394 St. Johns Bluff Road S., Suite 200
Jacksonville, FL 32246
Tel: (904) 641-1993
Fax: (904) 641-0057**

Prepared for

Civil Services, Inc.

September 26, 2019

CSI Geo, Inc.
2394 St. Johns Bluff Road South, Suite 200
Jacksonville, FL 32246

September 26, 2019

Mr. Ali Najafi, P.E
Civil Services, Inc.
2394 St. Johns Bluff Road South
Jacksonville, FL 32246

RE: Miner Road Right Turn Lane at SR 200
Nassau County, Florida

Subject: Roadway Geotechnical Exploration and Evaluation Report
CSI Geo Project No.: 71-19-138-68
CSI Project No.: 1911-2404

Dear Mr. Najafi:

CSI Geo, Inc. has performed the authorized geotechnical exploration and laboratory testing for the proposed Miner Road Right Turn Lane at SR 200 project in Nassau County, Florida. This report presents our understanding of the subsurface conditions along with our engineering evaluation and recommendations for the roadway widening.

We have enjoyed working with you on this project and look forward to working with you on future projects. If you have any questions concerning this report, please contact our office.

Sincerely,

CSI Geo, Inc.



Nader Amer, Ph.D
Geotechnical Engineer

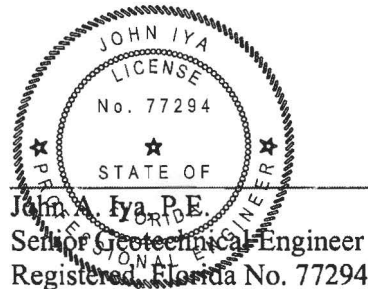


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APPENDICES

- Site Location Map
- Field Exploration Plan
- Soil Survey Sheet
- General Subsurface Profiles
- Auger Boring Records
- Summary of Laboratory Test Results
- Key to Soil Classification
- Field and Laboratory Test Procedures

1.0 PROJECT INFORMATION

1.1 General Project Information

This Roadway Geotechnical Exploration and evaluation report has been prepared for the proposed Miner Road Right Turn Lane in Yulee Florida. The intent of this project is to widen Miner Road to accommodate a new right turn lane onto SR 200 (A1A) eastbound.

The purpose of this geotechnical exploration program was to evaluate the subsurface conditions in the areas of the proposed right turn lane and to provide geotechnical recommendations related to the design and construction. This report discusses the project background information, the geotechnical investigation program, geotechnical-related findings, engineering evaluation and recommendations.

1.2 Existing Conditions and Project Description

The proposed roadway project along Miner Road begins at Miner Corners Place and ends at the intersection of Miner Road with SR 200. The existing roadway consists of an undivided two-lane roadway with center left and right turn lanes.

1.3 Geologic and Physiographic Setting

To a depth of about 500 feet, the project area is underlain by three relatively young geologic formations. Below this depth, considerably older limestone formations exist which provide the principal source of fresh water in northeast Florida. These older formations are commonly referred to as the Floridan Aquifer. The upper three geologic deposits, in descending order from the ground surface are:

1. Geologically young, recent to Pleistocene Age
2. Pliocene or Upper Miocene Age
3. Miocene Age

The geologically young surface deposits are predominantly composed of fine sand inter-bedded with clayey fine sands and sandy clays. Occasionally, layers of organic silt and peat are encountered within the overburden deposits, particularly in association with stream and river

environments. The Pliocene or Upper Miocene age deposits generally consist of the following materials:

1. Calcareous clayey to silty sand with limestone fragments
2. Fine to medium sands, occasionally silty or clayey
3. Weakly cemented to well cemented silty, sandy, and shelly limestone

The limestone layer in the vicinity of the site is typically laterally extensive, but variably cemented, highly variable in thickness, somewhat discontinuous, and relatively porous and permeable. The limestone is generally soft and friable and occasionally contains voids and soil-filled solution cavities.

2.0 GEOTECHNICAL EXPLORATION

2.1 Field Exploration

The proposed right turn lane was explored by means of 4 auger borings A-1 through A-4. The exploration consisted of five-foot deep auger borings placed generally at 100 feet spacing. The general location of the auger borings are shown on the Field Exploration Plan sheet included in the **Appendix**.

General Subsurface Profile sheet included in the **Appendix** present the soil conditions encountered at each boring location. In this presentation, soil strata encountered by the borings are classified using the AASHTO Soil Classification System, and the soil strata are identified by numbers as shown on the soil boring profiles. The numbers used to identify soil strata refer to the soil description as outlined on the Soil Survey Sheet also included in the **Appendix**. Soil samples obtained during the field exploration were first visually classified in the field and then reclassified visually in the laboratory by a geotechnical engineer. Representative soil samples were also tested in the laboratory for a more definitive assessment.

The attached Auger Boring Records present the descriptions of the subsurface soils encountered at the time of drilling. The stratification lines and depth designations on the boring records represent the approximate boundary between the various soils encountered, and the transition from one stratum to the next should be considered approximate. A brief discussion of the drilling, sampling, and field testing techniques used during the exploratory boring program is provided in the Field and Laboratory Test Procedures sheets presented in the **Appendix**.

2.2 Laboratory Testing

Quantitative laboratory testing was performed on representative soil samples recovered from the field exploration. These tests were performed to better define the physical properties of the soils encountered. The laboratory tests were performed to determine percent fine (-200 sieve), percent organics, and natural moisture content of the soil samples. Additionally, sieve analyses were performed on selected samples to determine their full grain size distribution. Results of laboratory tests are presented in the Summary of Laboratory Test Results and the Soil Survey sheets presented in the **Appendix**.

3.0 SITE AND SUBSURFACE CONDITIONS

3.1 General

The general subsurface profiles presented in the **Appendix** illustrate the subsurface conditions encountered. The profiles and the soil conditions outlined below highlight the major subsurface stratifications. The Auger Boring Records included in the **Appendix** should be consulted for soil conditions encountered at each boring. When reviewing the boring records, subsurface profiles, and the subsurface conditions outlined below, it should be understood that the soil conditions may vary between boring locations and that the transition between soil strata may be gradual.

3.2 Subsurface Soils Conditions

Soils encountered during our subsurface investigation program were classified based on the AASHTO Soil Classification System and were found to consist of the following stratum:

<u>Stratum Number</u>	<u>Soil Description</u>	<u>AASHTO Classification</u>
1	Brown, Tan, and Gray Fine SAND with trace of organics	A-3

Review of borings performed indicates that the existing soil conditions generally consist of suitable fine sands (A-3 soil classification) until the boring termination depth of 5 feet the existing grades.

3.3 Groundwater Level

The groundwater level was not encountered at the time of drilling. Fluctuations of the groundwater level should be anticipated as a result of topographic changes, seasonal climatic variations, surface water runoff patterns, fluctuations of adjacent water bodies, construction activities, and other factors. During seasonal high precipitation, groundwater levels can be expected to rise above the levels recorded during this exploration. Therefore, design drawings and specifications should account for the possibility of groundwater level variations, and construction planning should be based on the assumption that such variations will occur.

4.0 GEOTECHNICAL ENGINEERING EVALUATION AND RECOMMENDATIONS

4.1 Basis for Evaluation & Recommendations

Geotechnical evaluation and recommendations as presented in this report are based on our site observations, field and laboratory test data obtained, and our understanding of the project information as previously described in this report. Should the project information change, or if any site or subsurface conditions different from the data obtained in the present exploration are encountered during construction, our office should be informed so that appropriate re-evaluation may be made.

4.2 Roadway Subgrade Evaluation

The majority of the near surface subgrade soils in the area of the proposed improvements consist of A-3 (Stratum No. 1) material which should be considered as select material and suitable for use in construction. Therefore, we consider the subsurface conditions at the site to be favorable for support of a flexible pavement roadway if a properly prepared subgrade is provided. A certain degree of site preparation, consisting of the removal of vegetation, surficial topsoils, and existing pavement sections will be necessary. This should be followed by placement of the select backfill or structural fill as needed to achieve the design finished pavement grades.

4.3 Anticipated Site Preparation and Earthwork Procedures

4.3.1 Surface Water Control

Surface water runoff should be controlled during the initial site preparations. Due to the nature of some of the soils, surface water control will be required during subgrade preparation. In order to control the water, interceptor perimeter drainage ditches should be excavated immediately adjacent to construction areas for temporary collection of surface water runoff. Alternatively, temporary diversion berms can also be constructed to control and divert surface water runoff away from construction areas. Open pumping of collected waters may be necessary to maintain low water levels. Construction areas should be graded to assure drainage of stormwater away from immediate areas of preparation.

4.3.2 Groundwater Control

If needed, lowering of groundwater levels by 2 to 3 feet can be achieved in general by pumping from barrel sumps situated in perimeter ditches or pits, if site conditions prevent establishment of drainage by gravity. Groundwater when encountered should be maintained at least 1 foot below the bottom of any excavations made during construction and 2 feet below the surface of any compaction operations. Where deeper or more positive groundwater control is desired for prolonged periods, a well point system may be required.

4.3.3 Standard Clearing, Grubbing, and Surface Stripping

All vegetation, topsoil, construction debris, roots and organic zones, plastic soils, and obstructions should be stripped and removed from the construction area. Standard clearing and grubbing should be conducted in accordance with the Applicable Specifications.

4.3.4 Roadway Subgrade Stabilization and Compaction

The upper foot of the subgrade soil should also be stabilized to achieve an LBR Value of 40 with a maximum plasticity index of 6. The stabilization procedures and the stabilizing materials should be as presented in the Applicable Specifications. The pavement subgrade should be compacted to meet the required densities as presented in the Applicable Specifications.

5.0 CONSTRUCTION MONITORING AND TESTING GUIDELINES

Fill placement and compaction operations should be observed and documented by a qualified engineering technician working under the direction of the Geotechnical Engineer. Significant deviations, either from the Applicable Specifications or from good practice, should be brought to the attention of the Geotechnical Engineer for evaluation and appropriate recommendations.

Prior to initiating any of the compaction operations, we recommend that representative samples of the backfill or structural fill material to be used and acceptable exposed in-place soils to be collected and tested to determine their compaction and classification characteristics. The maximum dry density, optimum moisture content, gradation and plasticity characteristics should be determined. These tests are needed for compaction quality control of the backfill or structural fill and existing soils and to determine if the fill material is acceptable.

A representative number of in-place field density tests should be performed on each lift for the compacted backfill materials. Also, where no additional fill is needed, in-place field density tests should be performed on existing soils to confirm that the required degree of compaction has been obtained.

6.0 REPORT LIMITATIONS

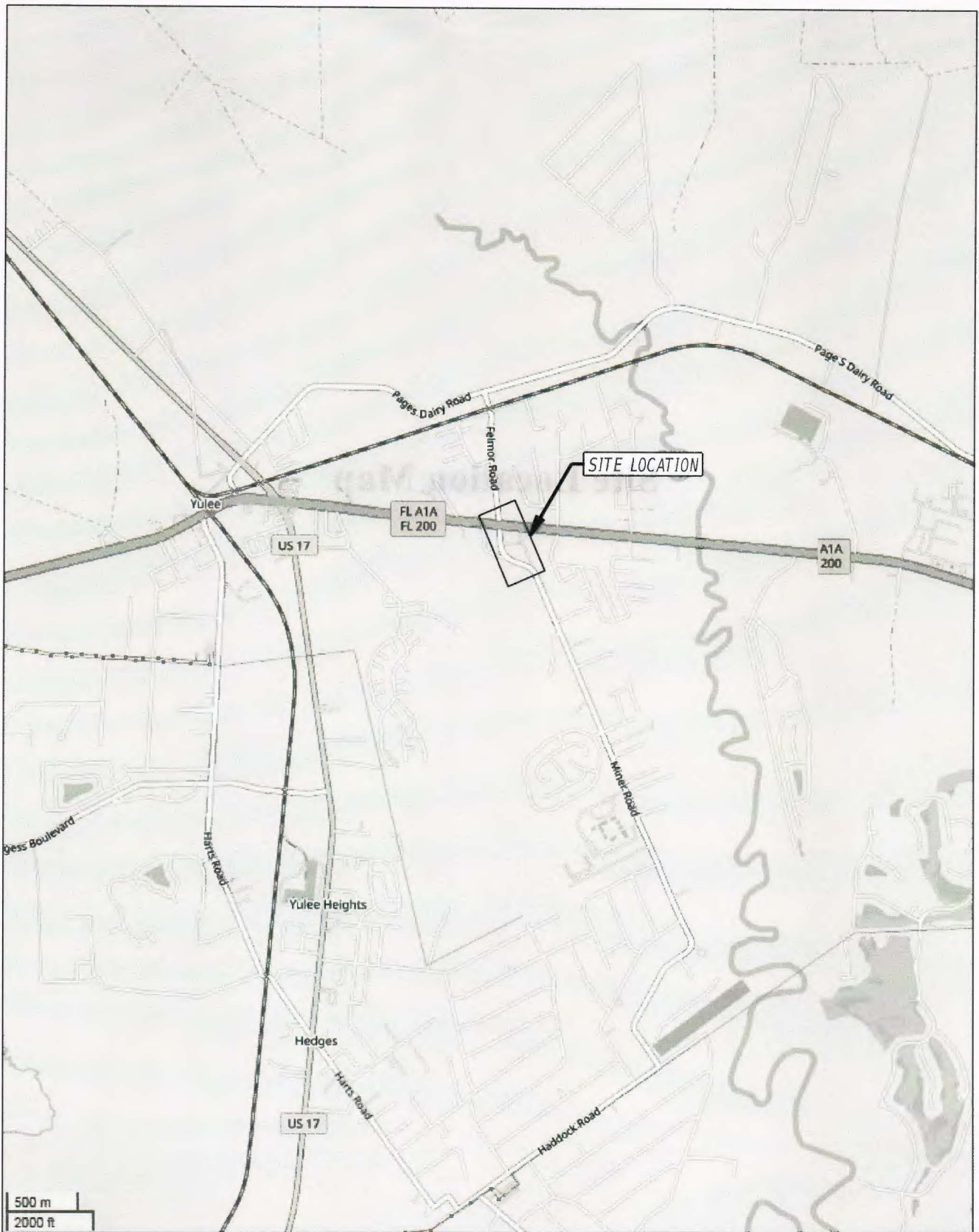
The subsurface exploration program including our evaluation and recommendations was performed in general accordance of accepted geotechnical engineering principles and standard practices. CSI Geo is not responsible for any independent conclusions, opinions, or interpretations made by others based on the data presented in this report.

This report does not reflect any variations that may occur adjacent or between soil borings. The discovery of any site or subsurface condition during construction that deviates from the findings and data as presented in this report should be reported to CSI Geo for evaluation. If the location of the proposed project features is changed, our office should be contacted so our recommendations can be re-evaluated. We recommend that CSI Geo be given the opportunity to review the final design drawings and specifications to ensure that our recommendations are properly included and implemented.

APPENDIX

- Site Location Map
- Field Exploration Plan
- Roadway Soil Survey
- General Subsurface Profiles
- Auger Boring Logs
- Summary of Laboratory Test Results
- Key to Soil Classification
- Field and Laboratory Test Procedures

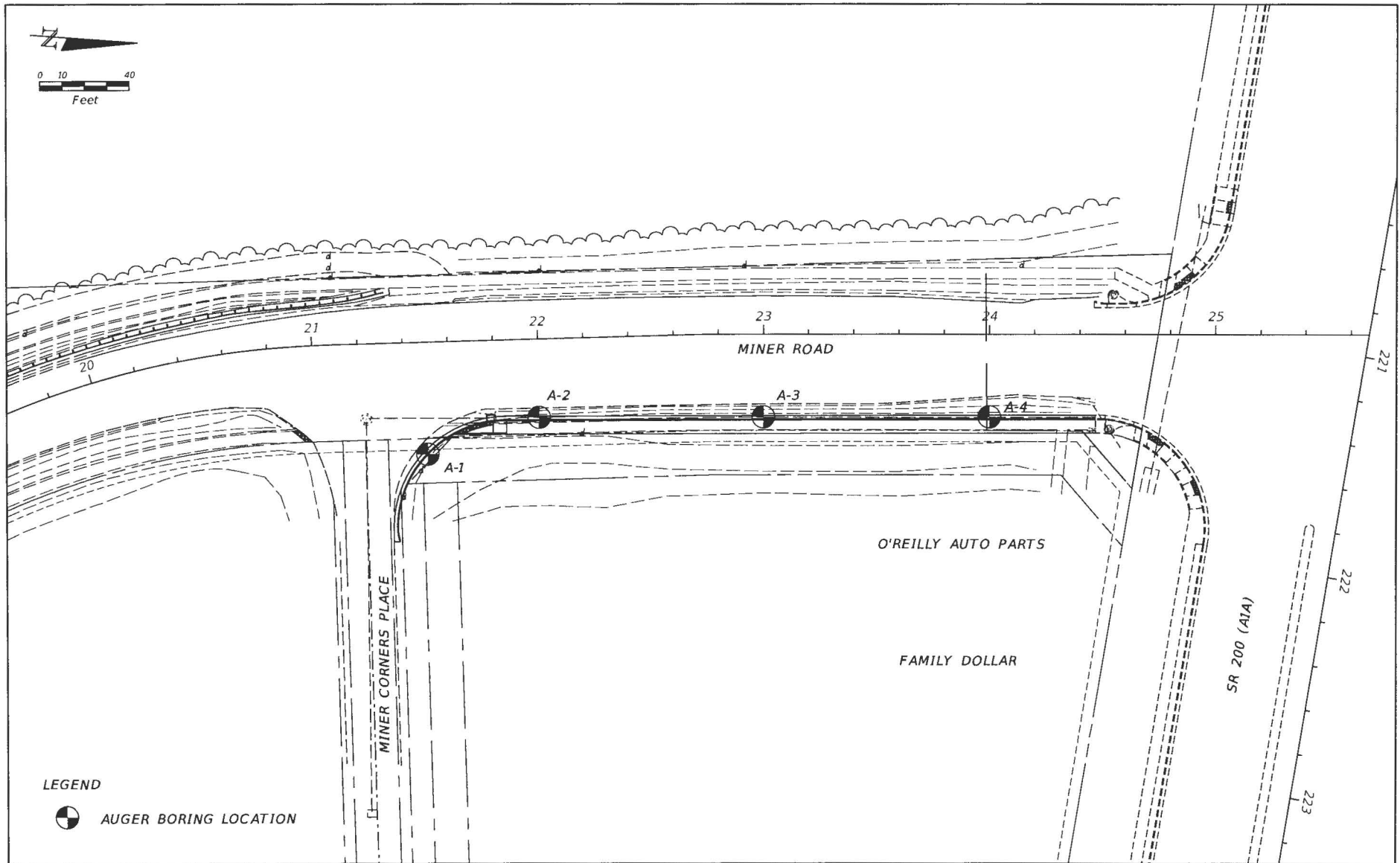
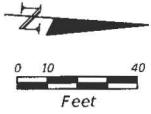
Site Location Map



CSI GEO, INC.
2394 ST. JOHNS BLUFF ROAD S., SUITE 200
JACKSONVILLE, FLORIDA 32246

SITE LOCATION MAP
MINER ROAD RIGHT TURN LANE AT SR 200
NASSAU COUNTY, FLORIDA

Field Exploration Plan



LEGEND



AUGER BORING LOCATION

		REVISIONS	
DATE	BY	DATE	DESCRIPTION

CSI GEO. INC.
 2394 ST. JOHNS BLUFF ROAD S.
 SUITE 200
 JACKSONVILLE, FLORIDA 32246
 C.A. NUMBER: 28170
 JOHN A. IYA, PE NO. 77294



NASSAU COUNTY ENGINEERING
 NASSAU COUNTY FLORIDA
 CONSTRUCTION PLANS FOR:
 MINER ROAD

FIELD EXPLORATION PLAN

SHEET
 NO.

Contract No. CM2835

Roadway Soil Survey

NASSAU COUNTY

ROADWAY SOIL SURVEY
REPORT OF TESTS

DATE OF SURVEY: JULY 23 2019
SURVEY MADE BY: CSI GED, INC.
SUBMITTED BY: JOHN IYA P.E.

PROJECT NAME: MINER ROAD RIGHT TURN LANE AT SR 200

SURVEY BEGINS STA. : 21+50 SURVEY ENDS STA. : 24+00

REFERENCE: BASELINE OF SUEVY OF MINER ROAD

STRATUM NO.	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENT PASS (%)					ATTERBERG LIMITS (%)			DESCRIPTION	LBR TEST RESULTS	CORROSION TEST RESULTS					
	NO. OF TESTS	% ORGANIC	NO. OF TESTS	MOISTURE CONTENT	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX			AASHTO GROUP	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDE ppm	SULFATES ppm	pH
1	4	0.6-4.4	4	7.14	4	99-100	98-99	88-91	31-33	1-3	-	-	-	A-3	BROWN, TAN, AND GRAY FINE SAND WITH TRACE OF ORGANICS	-	-	-	-	-

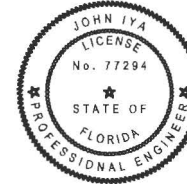
LEGEND

STRATA BOUNDARIES ARE APPROXIMATE. MAKE FINAL CHECK AFTER GRADING.
G.N.E. - GROUNDWATER NOT ENCOUNTERED
A.T. - AUGER BORING TERMINATION

NOTE:


- THIS SOIL SURVEY APPLIES TO ROADWAY SOILS ONLY.
- STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH TEST HOLE LOCATION. ANY STRATUM CONNECTING LINES SHOWN ARE FOR DESIGN PURPOSES ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIANCE BETWEEN BORINGS MAY OCCUR AND SHOULD BE ANTICIPATED.
- THE MATERIAL FROM STRATUM NO. 1 CAN BE TREATED AS SELECT MATERIAL.
- THE DATA PRESENTED ON THIS SOIL SURVEY IS SPECIFIC ONLY TO THE LOCATIONS TESTED AND MAY NOT REPRESENT THE RANGE OF VALUES THAT MAY BE PRESENT THROUGHOUT THE SITE. SHOULD QUESTIONS ARISE REGARDING THE SUBSURFACE CONDITIONS, IT IS INCUMBENT UPON THE INDIVIDUAL RAISING THE QUESTION TO PERFORM ADDITIONAL SUBSURFACE EXPLORATION AND TESTING AS NECESSARY TO ADDRESS SUCH QUESTIONS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:



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.

CSI-GED, INC.
2394 ST. JOHNS BLUFF ROAD S., SUITE 200
JACKSONVILLE, FL 32246
C.A. NUMBER: 28170
JOHN IYA, PE NO. 77294

REVISIONS						DATE	BY	DESCRIPTION	CSI GEO, INC. 2394 ST. JOHNS BLUFF ROAD S. SUITE 200 JACKSONVILLE, FLORIDA 32246 C.A. NUMBER: 28170 JOHN A. IYA, PE NO. 77294	 NASSAU COUNTY ENGINEERING NASSAU COUNTY FLORIDA CONSTRUCTION PLANS FOR: MINER ROAD	ROADWAY SOIL SURVEY	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION							

Contract No. CM2835

General Subsurface Profiles

<p>A-1 STA. 21+50 OFFSET: 50' RT. ELEV.: 29.1' LATITUDE: 30°37'46.47"N LONGITUDE: 81°35'6.50"W 07/23/19</p>	<p>A-2 STA. 22+00 OFFSET: 35' RT. ELEV.: 28.9' LATITUDE: 30°37'46.94"N LONGITUDE: 81°35'6.74"W 07/23/19</p>	<p>A-3 STA. 23+00 OFFSET: 37' RT. ELEV.: 29.4' LATITUDE: 30°37'47.92"N LONGITUDE: 81°35'6.83"W 07/23/19</p>	<p>A-4 STA. 24+00 OFFSET: 37' RT. ELEV.: 29.4' LATITUDE: 30°37'48.90"N LONGITUDE: 81°35'6.91"W 07/23/19</p>
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A.T.
G.N.E.
S.H.N.E..



A.T.
G.N.E.
S.H.N.E..




A.T.
G.N.E.
S.H.N.E..



A.T.
G.N.E.
S.H.N.E..



REVISIONS							NASSAU COUNTY ENGINEERING NASSAU COUNTY FLORIDA CONSTRUCTION PLANS FOR: MINER ROAD	GENERAL SUBSURFACE PROFILES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				

CSI GEO. INC.
2394 ST. JOHNS BLUFF ROAD S.
SUITE 200
JACKSONVILLE, FLORIDA 32246
C.A. NUMBER: 28170
JOHN A. IYA, PE NO. 77294

#USER# #DATE# #TIME# #FILE#

Auger Boring Records

Auger Boring - A-1

Station: 21+50

ESHWL: --- NOT ENCOUNTERED

Offset: 50' RT

GWT: --- NOT ENCOUNTERED

Elevation (ft.): 29.1

Date Drilled: 7/23/19

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION
1	[Stippled Pattern]	Brown Fine SAND (A-3) with trace of organics
2		
3		
4		
5		
Boring Terminated at 5.0 feet.		

Auger Boring - A-2

Station: 22+00

ESHWL: --- NOT ENCOUNTERED

Offset: 35' RT

GWT: --- NOT ENCOUNTERED

Elevation (ft.): 28.9

Date Drilled: 7/23/19

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION
1	[Stippled Pattern]	Brown Fine SAND (A-3) with trace of organics
2		Tan Fine SAND (A-3) with trace of organics
3		
4		
5		Boring Terminated at 5.0 feet.

CSI Geo, Inc.
2394 St. Johns Bluff Road
Jacksonville, FL 32246

Project: Miner Road Right Turn Lane at SR 200
Location: Nassau County, Florida
Project No.: 71-19-138-68

Auger Boring - A-3

Station: 23+00

ESHWL: --- NOT ENCOUNTERED

Offset: 37' RT

GWT: --- NOT ENCOUNTERED

Elevation (ft.): 29.4

Date Drilled: 7/23/19

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION
1	[Stippled Pattern]	Brownish Gray Fine SAND (A-3)
2		
3		
4		Tan Fine SAND (A-3) with trace of organics
5		Boring Terminated at 5.0 feet.

Auger Boring - A-4

Station: 24+00

ESHWL: --- NOT ENCOUNTERED

Offset: 37' RT

GWT: --- NOT ENCOUNTERED

Elevation (ft.): 29.4

Date Drilled: 7/23/19

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION
1	[Stippled Pattern]	Dark Brown Fine SAND (A-3) with trace of organics
2		
3		Brownish Gray Fine SAND (A-3)
4		
5		Boring Terminated at 5.0 feet.

CSI Geo, Inc.
2394 St. Johns Bluff Road
Jacksonville, FL 32246

Project: Miner Road Right Turn Lane at SR 200
Location: Nassau County, Florida
Project No.: 71-19-138-68

Summary of Laboratory Test Results

SUMMARY OF LABORATORY TEST RESULTS

**Miner Road Right Turn Lane at SR 200
Nassau County, Florida**

Boring No.	Sample No.	Approximate Depth (ft)	Natural Moisture Content (%)	Organic Content (%)	Percent Passing Sieve Size (%)						Atterberg Limits		Soil Classification Symbol
					#4	#10	#40	#60	#100	#200	LL	PI	
A-1	2	1.0 - 2.5	10	1.2	100	100	98	88	32	1			A-3
A-2	2	1.0 - 3.0	6	0.8	100	100	99	91	33	2			A-3
A-3	3	3.0 - 5.0	7	0.6	100	99	98	89	32	2			A-3
A-4	1	0.0 - 1.5	14	4.4	100	100	98	89	31	3			A-3

Contract No. CM2835

Key to Soil Classification

KEY TO SOIL CLASSIFICATION

Particle Size Identification (Unified Soil Classification System)

Boulders:	Diameter exceeds 8 inches
Cobbles:	3 to 8 inches diameter
Gravel:	Coarse - 3/4 to 3 inches in diameter Fine - 4.76 mm to 3/4 inch in diameter
Sand:	Coarse - 2.0 mm to 4.76 mm in diameter Medium - 0.42 mm to 2.0 mm in diameter Fine - 0.074 mm to 0.42 mm in diameter

Modifiers

These modifiers provide our estimate of the amount of fines (silt or clay size particles) in soil samples.

Approximate Fines Content

5% Fines 12%
12% Fines 30%
30% Fines 50%

Modifiers

Slightly silty or slightly clayey
Silty or clayey
Very silty or very clayey

These modifiers provide our estimate of shell, rock fragments, or roots in the soil sample.

Approximate Content, By Weight

< 5%
5% to 10%
15% to 25%
30% to 45%
50% to 100%

Modifiers

Trace
Few
Little
Some
Mostly

These modifiers provide our estimate of organic content in the soil sample.

Organic Content

1% to 3%
3% to 5%
5% to 20%
20% to 75%
> 75%

Modifiers

Trace
Slightly Organic
Organic
Highly Organic (Muck)
Peat

Field and Laboratory Test Procedures

FIELD AND LABORATORY TEST PROCEDURES

FIELD TEST PROCEDURES:

Auger Borings – The auger borings were advanced by the use of a truck mounted auger drill rig. The soils encountered were identified in the field from the cuttings brought to the surface by the augering process. Representative soil samples were placed in glass jars and transported to our laboratory where they were examined by a geotechnical engineer to confirm field classifications.

LABORATORY TEST PROCEDURES:

Percent Organic Content

This test is based on the percent of organics by weight of the total sample. This test was conducted in accordance with FM I - T 267.

Percent Fine Content

To determine the percentage of soils finer than No. 200 sieve, the dried samples were washed over a 200 mesh sieve. The material retained on the sieve was oven dried and then weighed and compared with the unwashed dry weight in order to determine the weight of the fines. The percentage of fines in the soil sample was then determined as the percent of weight of fines in the sample to the weight of the unwashed sample. This test was conducted in accordance with ASTM D 1140.

Natural Moisture Content

The water content is the ratio, expressed as a percentage, of the weight of water in a given mass of soil to the weight of the solid particles. This test was conducted in the general accordance with FM 1-T 265.



SERVICES OFFERED

Geotechnical & Foundations Engineering
Construction Materials Testing (CMT)
Construction Engineering & Inspection (CEI)

2394 St. Johns Bluff Road, Suite 200. • Jacksonville, FL 32246
(904) 641-1993 Phone • (904) 645-0057 Fax
www.csi-geo.com

APPENDIX B
ROAD CLOSURE POLICY



Nassau County Engineering Services Department
 96161 Nassau Place
 Yulee, Florida 32097

Road Closure Policy

1. Submit a written request to the Public Works Director 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 Engineering Services Department for review and approval.

2. Submit to Nassau County Engineering Services Department: A Maintenance of Traffic (MOT) Plan that was 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 Engineering Services 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 Engineering Services Department's written approval, local roads may not require publishing of the advertisement in the paper; however, all other criteria must be adhered to.



Road Closure Policy
Page 2 of 3

4. Submit notification to the following departments and agencies prior to the road closure. A confirmation of notification to the Engineering Services Department must be provided prior to road closure.

- Nassau County Sheriff's Office:
 - o Ricky A Rowell, TAC
Phone-(904) 548-4000
Fax-(904) 225-5737
Email -rickyr@nassauso.com
 - o L. Rene Graham, Lt.
Phone-(904) 548-4000
Fax-(904) 548-4128
Email -lrgraham@nassauso.com
- Nassau County Emergency Management:
 - o Martha Oberdorfer
Phone-(904) 548-4094
Fax-(904) 548-4194
Email- mlwagaman@nassauso.com
- Nassau County Fire Department:
 - o Scott Hemmingway
Phone-(904) 530-6600
Fax-(904) 321-5748
Email -
shemmingway@nassaucountyfl.com
- Nassau County School Bus Transportation:
 - o AmyBell
Phone-(904) 225-0127
Fax -(904) 255-9404
Email -amy.bell@nassau.k12.fl.us
- Nassau County Road & Bridge Department:
 - o Jennifer Kirkland
Phone-(904) 530-6175
Fax -(904) 530-6901
Email -jbeayer@nassaucountyfl.com
- Nassau County Manager's Office
 - o Sabrina Robertson
Phone-(904) 530-6010
Fax-(904) 321-5784
Email - SRobertson@nassaucountyfl.com
- United Postal Service (Yulee)
 - o Beverly Dye
Phone-(904) 225-5331
Fax-(904) 225-9733
Email- beverly.a.dye@usps.gov
- United Postal Service (Fernandina)
 - o EdwinLang
Phone-(904) 491-8102
Fax -(904) 277-7947
Email -edwin.p.lang@usps.gov
- United Postal Service (Callahan)
 - o Kim Vojtech
Phone-(904) 879-2131
Fax -(904) 879-6737
Email -kim.k.vojtech@usps.gov
- United Postal Service (Hilliard)
 - o Heather Ackerman
Phone-(904) 845-2151
Fax -(904) 845-7738
Email -heather.r.ackeeonan@usps.gov

Depending on the location of the project/detour, notification to other agencies may be required.

Road Closure Policy
Page 3 of 3



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 Engineering Services Department is required at installation or relocation. Visual inspection of all road/detour signage shall be accomplished prior to road closure. Contact Engineering Services 48 hours prior to installation for inspection.

APPENDIX C
AS-BUILT REQUIREMENTS



Nassau County Engineering Services Department
96161 Nassau Place
Yulee, Florida 32097

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-BUILT" 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.



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 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.

APPENDIX D
PLANS/DRAWINGS

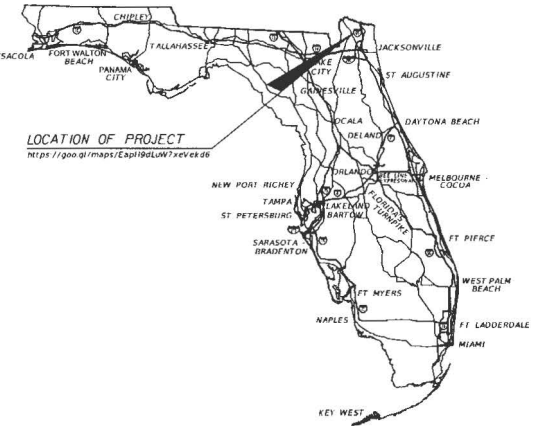


NASSAU COUNTY PUBLIC WORKS DEPARTMENT

CONTRACT PLANS

NASSAU COUNTY (74060)

WIDENING OF MINER ROAD FOR
A RIGHT TURN LANE AT SR 200/SR A1A



LOCATION OF PROJECT
<https://goo.gl/maps/Esp19dLmW7xev4d6>

CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING & PAVEMENT MARKINGS PLANS

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SUMMARY OF PAY ITEMS
3	TYPICAL SECTION
4	SUMMARY OF DRAINAGE STRUCTURES
5	GENERAL NOTES
6	PLAN SHEET
7	DRAINAGE STRUCTURES
8-12	CROSS SECTIONS
13-15	TRAFFIC CONTROL PLANS
50-1 - 50-4	SUMMARY OF QUANTITIES
GR-1*	ROADWAY SOIL SURVEY

* THIS SHEET IS INCLUDED IN THE INDEX OF ROADWAY PLANS ONLY TO INDICATE THAT IT IS PART OF THE ROADWAY PLANS. THIS SHEET IS CONTAINED IN A SEPARATE DIGITALLY SIGNED AND SEALED DOCUMENT.

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2019-20 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.flot.gov/design/standardplans>

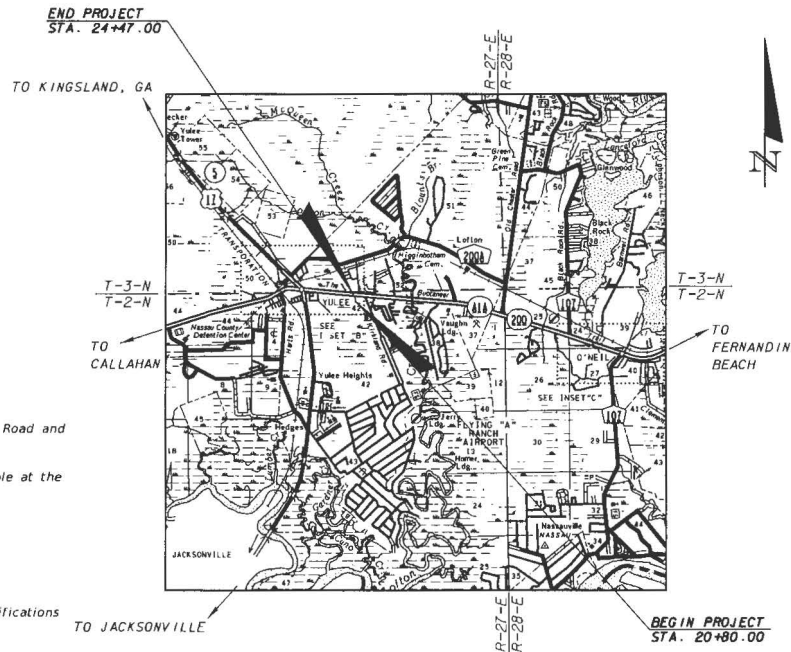
APPLICABLE IRs: IR _____

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, JANUARY 2020 Standard Specifications for Road and Bridge Construction at the following website: <http://www.flot.gov/programmanagement/Implemented/SpecBooks>

BOARD OF COUNTY COMMISSIONERS

- DANIEL B. LEEPER - DISTRICT 1 - VICE CHAIRMAN
- AARON C. BELL - DISTRICT 2
- PAT EDWARDS - DISTRICT 3
- THOMAS R. FORD - DISTRICT 4
- JUSTIN M. TAYLOR - DISTRICT 5 - CHAIRMAN



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

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.

ROADWAY PLANS

ENGINEER OF RECORD:

ALI A. NAJAFI, P.E. NO.: 53099
CIVIL SERVICES, INC.
2394 ST. JOHNS BLUFF ROAD, S.
JACKSONVILLE, FL 32246
(904) 641-1834
CONTRACT NO.: CM2286-WA04
VENDOR NO.: 59-2975137
CERTIFICATE OF AUTHORIZATION NO.: 6127

PROJECT MANAGER:

ROBERT T. COMPANION, PE

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	20	1

Contract No. CM2835
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G12-23.004, F.A.C.

SUMMARY OF PAY ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY		TOTAL		CONSTRUCTION REMARKS
			P	F	P	F	
0101 1	MOBILIZATION	LS	1		1		
0102 1	MAINTENANCE OF TRAFFIC	DA	60		60		
0102 60	WORK ZONE SIGN	ED	360		360		
0102 71 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF	336		336		
0102 74 1	CHANNELIZING DEVICE	ED	480		480		
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	296		296		
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	60		60		
0104 10 3	SEDIMENT BARRIER	LF	297		297		
0110 1 1	CLEARING AND GRUBBING	AC	0.064		0.064		
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	155		155		
0120 1	REGULAR EXCAVATION	CY	44		44		
0120 2 2	BORROW EXCAVATION	CY	41.7		41.7		
0160 4	TYPE B STABILIZATION	SY	250		250		
0285706	OPTIONAL BASE GROUP 6	SY	173		173		
0327 70 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	1992		1992		
0334 1 52	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG 76-22	TN	178.5		178.5		
0425 1351	INLETS, CURB, TYPE P-5, <10'	EA	1		1		
0425 5	MANHOLE, ADJUST	EA	1		1		
0430175115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15" S/CD	LF	16		16		
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	287		287		
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	188		188		
0527 2	DETECTABLE WARNINGS	SF	47		47		
0570 1 2	PERFORMANCE TURF (SOD)	SY	66		66		
0660 4 51	VEHICLE DETECTION SYSTEM-VIDEO, ADJUST/MODIFY CABINET EQUIPMENT	EA	1		1		
0660 4 52	VEHICLE DETECTION SYSTEM-VIDEO, ADJUST/MODIFY ABOVE GROUND EQUIPMENT	EA	1		1		
0700 1 50	SINGLE POST SIGN, RELOCATE	AS	1		1		
0700 3201	SIGN PANEL, F&I, OVERHEAD MOUNT, UP TO 12 SF	EA	1		1		
0710 11101	PAINTED PAVT. MARKINGS, STD, WHITE, SOLID, 6"	GM	0.344		0.344		
0710 11170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	11		11		
0710 11201	PAINTED PAVT. MARKINGS, STD, YELLOW, SOLID, 6"	GM	0.257		0.257		
0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1		1		
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	136		136		
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	9		9		
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.141		0.141		
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.103		0.103		
0999 25	INITIAL CONTINGENCY AMOUNT, DO NOT BID	LS	1.000		1.000		

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CIVIL SERVICES, INC.
CONSULTING ENGINEERS
2394 ST. JOHNS BLUFF ROAD, S.
JACKSONVILLE, FL 32246
C.A. NUMBER: 6127
ALI A. NAJAFI, PE NO. 53099



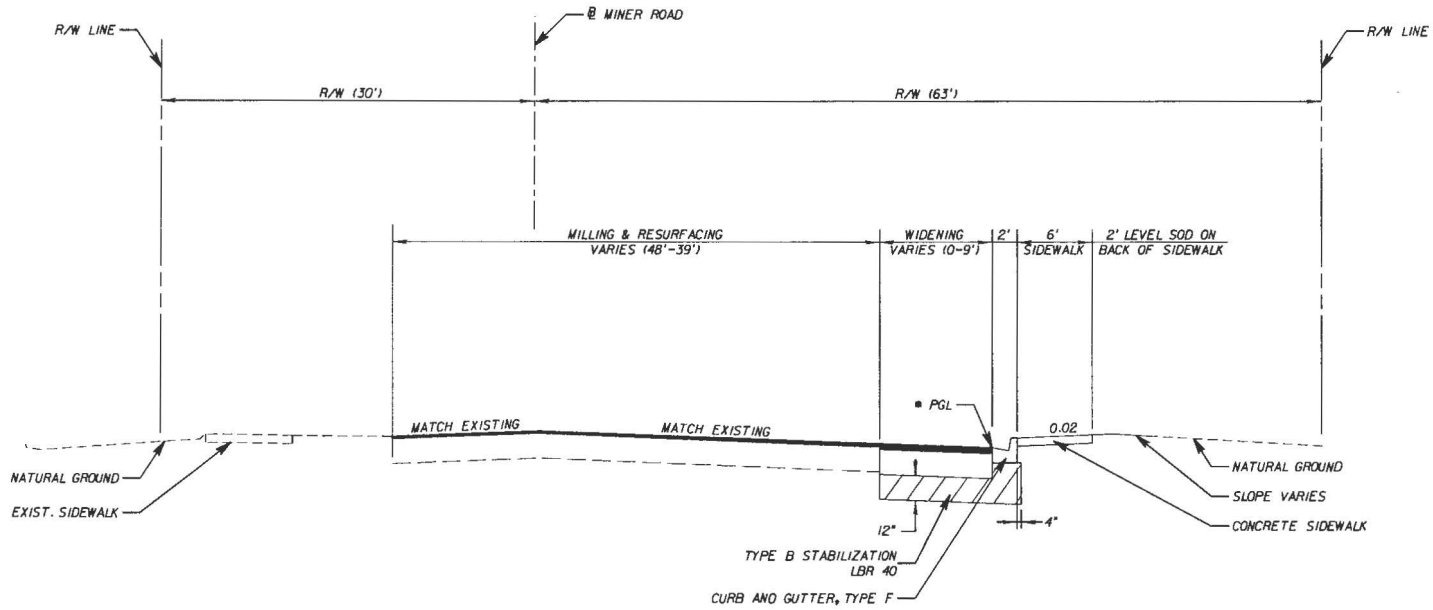
NASSAU COUNTY ENGINEERING
NASSAU COUNTY FLORIDA
CONSTRUCTION PLANS FOR:

MINER ROAD

SUMMARY OF PAY ITEMS

SHEET NO.

2



TYPICAL SECTION

STA. 20+80.00 TO STA. 24+46.00

PAVEMENT WIDENING

OPTIONAL BASE GROUP 6 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 1/2") (PG 76-22)

MILLING

MILL EXIST. ASPHALT PAVEMENT FOR DEPTH (1 1/2")

RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 1/2") (PG 76-22)

• SEE PLAN SHEET FOR ELEVATIONS

TYPICAL SECTION NOTES

1. ALL COMPACTION FOR ANY MATERIAL SHALL BE LIMITED TO THE STATIC MODE ONLY, UNLESS APPROVED BY THE ENGINEER.
2. ALL LONGITUDINAL PAVEMENT THICKNESS TRANSITIONS SHALL BE MADE ON A 1:600 RATIO.
3. ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO ACTUAL EXISTING PAVEMENT WIDTH. CONTRACTOR MAY ELECT TO PLACE UNIFORM WIDTH BASE WIDENING STRIP AT NO ADDITIONAL COST TO THE COUNTY.

POSTED SPEED: 35 MPH
DESIGN SPEED: 40 MPH

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CIVIL SERVICES, INC.
CONSULTING ENGINEERS
2394 ST. JOHNS BLUFF ROAD, S.
JACKSONVILLE, FL 32246
C.A. NUMBER: 6127
ALI A. NAJAFI, PE NO. 53099




NASSAU COUNTY ENGINEERING
NASSAU COUNTY FLORIDA
CONSTRUCTION PLANS FOR:
MINER ROAD

TYPICAL SECTION
MINER ROAD

SHEET NO.
3

SUMMARY OF DRAINAGE STRUCTURES									
Q T Y	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM AND CROSS DRAIN OPTIONAL MATERIAL	CURB INLETS		REMARKS
						ROUND	P-4	P-5	
						15"	<10'	<10'	
P									
F									
P	S-1	21+92	RT	INLET, PIPE	1	16		1	CONC. JACKET
F									
P									
F									
TOTALS				PLAN QUANTITY		16		1	
				FINAL QUANTITY					

REVISIONS						CIVIL SERVICES, INC. CONSULTING ENGINEERS 2394 ST. JOHNS BLUFF ROAD, S. JACKSONVILLE, FL 32246 C.A. NUMBER: 6127 ALI A. NAJAFI, PE NO. 53099		NASSAU COUNTY ENGINEERING NASSAU COUNTY FLORIDA CONSTRUCTION PLANS FOR: MINER ROAD	SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Contract No. CM2835

GENERAL NOTES


- EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS LISTED BELOW THROUGH SUNSHINE ONE CALL OF FLORIDA, INC. (1-800-432-4770) IN ADVANCE OF BEGINNING CONSTRUCTION ON THE PROJECT SITE.

AT NO ADDITIONAL COST TO THE COUNTY, THE CONTRACTOR MAY BE REQUIRED TO PHYSICALLY EXPOSE AND SUPPORT UNDERGROUND FACILITIES AND PROVIDE REASONABLE TIME TO ALLOW FOR MINOR UNFORESEEN UTILITY RELOCATIONS BY UTILITY COMPANY AND/OR PROVIDE ANY NECESSARY SUPPORT TO AERIAL FACILITIES AS DEEMED NECESSARY TO PERFORM CONSTRUCTION. CONTRACTOR MUST NOTIFY UTILITY COMPANY 24 HOURS PRIOR TO ANY SUCH WORK.

UTILITY	AGENCY OWNER	TELEPHONE NUMBER
ELECTRIC	FPL-NASSAU	(800) 778-9140
SEWER	JEA	(904) 665-8001
GAS	TECO PEOPLES GAS	(813) 228-1351
TELEPHONE	AT&T DISTRIBUTION	(800) 778-9140
WATER & SEWER	JEA	(904) 234-2560

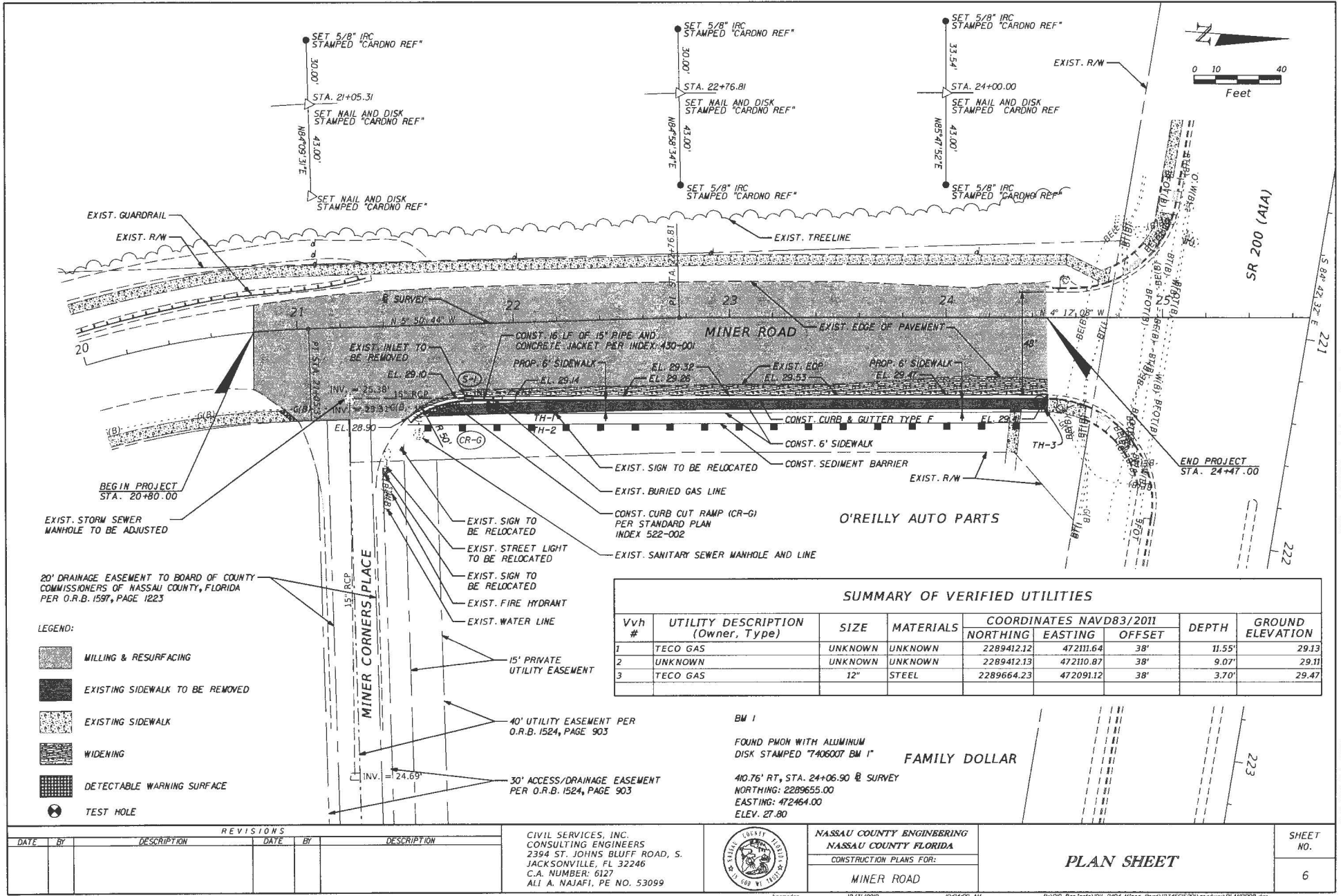
- ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION TO BE PROTECTED. IF A CORNER MONUMENT OR BENCHMARK IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE COUNTY WITHOUT DELAY, BY TELEPHONE. THE CONTRACTOR IS RESPONSIBLE FOR ANY EXPENSES ENCUMBERED FOR PROTECTING, REFERENCING AND/OR REPLACING ANY CORNER MONUMENTS OR BENCHMARKS.
- FILTER FABRIC USED TO WRAP PIPE JOINTS IN ACCORDANCE WITH SPECIFICATION 430 SHALL MEET THE REQUIREMENTS OF FDOT STANDARD PLANS 425-001 & 430-001, TYPE D-3 WITH AN A.O.S. (SIEVE NUMBER) OF TO TO 100.
- ALL WORK PERFORMED WITHIN THE COUNTY RIGHT-OF-WAY, MATERIALS AND TESTING SHALL BE IN COMPLETE ACCORDANCE WITH ALL RELATIVE SECTIONS OF NASSAU COUNTY STANDARDS, (LATEST REVISION) AND ALL CURRENT NASSAU COUNTY STANDARD DETAILS, FDOT STANDARD PLANS AND FDOT SPECIFICATIONS FOR ROAD & BRIDGE 2019, WILL BE USED IF NOT ADDRESSED BY NASSAU COUNTY DOCUMENTS. CONTRACTOR SHALL COMPLY WITH CURRENT FLORIDA ACCESSIBILITY CODE FOR ALL WORK ON THIS PROJECT.
- 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. ALL COSTS ASSOCIATED WITH COMPLYING WITH O.S.H.A. REGULATIONS AND THE FLORIDA TRENCH SAFETY ACT MUST BE INCLUDED IN THE CONTRACTORS BID.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE JOB SITE PRIOR TO PREPARING THE BID FOR THE PURPOSE OF FAMILIARIZING HIMSELF WITH THE NATURE AND THE EXTENT OF THE WORK AND LOCAL CONDITIONS, EITHER SURFACE OR SUB-SURFACE, WHICH MAY AFFECT THE WORK TO BE PERFORMED, AND THE EQUIPMENT, LABOR AND MATERIALS REQUIRED. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THE CONTRACT. THE CONTRACTOR IS ALSO URGED TO TAKE COLOR PHOTOGRAPHS THROUGHOUT THE PROJECT AREA TO RECORD EXISTING CONDITIONS PRIOR TO CONSTRUCTION, AND TO AID IN THE POSSIBLE FUTURE COMPLAINTS THAT MAY OCCUR DUE TO CONSTRUCTION OF THE PROJECT.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO EITHER CONDUCT ANY FIELD EXPLORATION OR ACQUIRE ANY GEOTECHNICAL ASSISTANCE REQUIRED TO ESTIMATE THE AMOUNT OF UNSUITABLE MATERIAL REQUIRED TO BE REMOVED AND/OR TO ESTIMATE THE AMOUNT OF OFF SITE BORROW THAT WILL BE REQUIRED. CONTRACTOR TO USE AN APPROVED FDOT PIT. THE REMOVAL OF UNSUITABLE MATERIAL WITHIN THE PROJECT LIMITS SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX NO. 120-001.
- BENCHMARK DATUM: VERTICAL DATUM CONVERSION, ELEVATION OF 10.00' NAVD 88 = 11.01' NGVD' 29 (PER CORPSCON V 6.01) ELEVATION OF 10.00' NAVD 88 = 11.05' NGVD' 29 (PER FLOOD INSURANCE RATE MAP)
- THE CONTRACTOR WILL CONTRACT WITH AN INDEPENDENT TESTING LABORATORY TO PERFORM MATERIAL TESTING AND SOIL TESTING IN ACCORDANCE WITH NASSAU COUNTY AND/OR FDOT REQUIREMENTS WITH PRIOR ADVANCE NOTICE TO NASSAU COUNTY AND/OR OWNER C.E.I.'S THIS SHALL INCLUDE DENSITY TEST IN ALL PAVEMENT AREAS AND IN ALL UTILITY TRENCHES LOCATED IN PAVEMENT AREAS, CONCRETE TESTING AND ALL OTHER MATERIAL TESTING.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE FOR THE PROJECT INCLUDING NPDES PERMITS, AND ETC.
- THE CONTRACTOR SHALL COORDINATE THE WORK WITHIN NASSAU COUNTY RIGHT-OF-WAY WITH THE PROPER AGENCIES FOR MAINTENANCE OF TRAFFIC AND METHOD OF CONSTRUCTION AND REPAIR.
- AS-BUILT DRAWINGS (2 PAPERS & 1 CADD) AS-BUILTS TO NASSAU COUNTY ARE REQUIRED TO BE SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR THEREFORE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT WITH A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA FOR THE PREPARATION, FIELD LOCATIONS, CERTIFICATION AND SUBMITTAL OF "AS-BUILT" DRAWINGS IN ACCORDANCE WITH CURRENT NASSAU COUNTY STANDARDS AND SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROCESS THE AS-BUILT DRAWINGS FOR APPROVAL BY NASSAU COUNTY. CONTRACTOR SHALL REFER TO NASSAU COUNTY AS-BUILT CHECKLIST.
- THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION WITH ALL OTHER CONTRACTORS IN THE AREA. IN THE EVENT OF ANY CONFLICT WHATSOEVER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER PRIOR TO PRECEDING WITH CONSTRUCTION.
- CLEARING AND GRUBBING REQUIRED FOR ALL ROADWAY, UTILITIES, DITCHES AND BERMS INCLUDED IN THIS PROJECT, AND THE CLEARING AND GRUBBING OF ALL RIGHT-OF-WAY OR EASEMENTS SHALL BE CONSIDERED AS PART OF THIS PROJECT. CONTRACTOR WILL SOD ALL DISTURBED AREAS.
- ALL AREAS SHOWN TO BE FILLED SHALL BE CLEARED AND GRUBBED IN ACCORDANCE WITH FDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2019, SECTION 110.
- ALL DEBRIS RESULTING FROM ALL ACTIVITIES SHALL BE DISPOSED OF BY THE CONTRACTOR.
- CONTRACTOR SHALL CERTIFY THAT ALL SOD WITHIN THE COUNTY RIGHT-OF-WAY SHALL BE PERFORMANCE TURF AND SHALL BE FREE OF NOXIOUS WEEDS & GRASSES, INCLUDING TROPICAL SODA APPLE. CERTIFICATION SHALL BE PROVIDED PRIOR TO INSTALLATION.
- A PRE- CONSTRUCTION MEETING IS REQUIRED TO BE ATTENDED BY NASSAU COUNTY REPRESENTATIVES, THE CONTRACTOR, AC (CONTRACTOR'S TESTING FIRM), SUB -CONTRACTORS, UTILITY COMPANIES, AND THE ENGINEER OF RECORD.
- CONTRACTOR WILL BE RESPONSIBLE FOR THE RELOCATION OF ALL STANDARD MAILBOXES IN ACCORDANCE WITH POSTAL REQUIREMENTS.
- ALL LANES MUST BE REOPENED TO NORMAL TRAFFIC WITHIN 8 HOURS AFTER RECEIVING NOTIFICATION OF A HURRICANE EVACUATION OR ANY OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY NASSAU COUNTY. A DISASTER PREPAREDNESS PLAN SHALL BE SUBMITTED AT THE PRE- CONSTRUCTION CONFERENCE.
- THE CONTRACTOR WILL BE ALLOWED TO PERFORM NIGHT TIME WORK, OR WEEKEND WORK. ANY CHANGES TO THESE LANE CLOSURE RESTRICTIONS MUST BE APPROVED BY NASSAU COUNTY ENGINEERING SERVICES DEPARTMENT. REFER TO NASSAU COUNTY ROAD CLOSURE POLICY.
- THE REMOVAL OF MUCK AND PLASTIC MATERIAL WITHIN THE PROJECT LIMITS SHALL BE IN ACCORDANCE WITH THE FDOT STANDARD PLANS INDEX NO. 120-001.
- ALL WORK PERFORMED WITHIN COUNTY'S RIGHT-OF-WAY SHALL CONFORM TO NASSAU COUNTY'S ORDINANCE 99-17 AND TO THE MOST CURRENT EDITION OF THE FOLLOWING PUBLICATIONS:
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (ENGLISH)
FDOT DESIGN STANDARDS PLANS (ENGLISH)
FDOT PLANS PREP MANUAL
FDOT FLEXIBLE PAVEMENT DESIGN MANUAL FOR NEW CONSTRUCTION AND PAVEMENT REHABILITATION
- BURNING OF ANY MATERIAL OR DEBRIS IS PROHIBITED.
- ACCESS TO DRIVEWAYS AND SIDE STREETS SHALL BE MAINTAINED AT ALL TIMES.
- CONTRACTOR SHALL SUBMIT AN MOT PLAN AT THE PRE- CONSTRUCTION MEETING. MAINTENANCE OF PEDESTRIAN TRAFFIC SHALL BE INCLUDED IN THE PLAN. CONTRACTOR'S PLAN SHALL CONFORM TO FDOT STANDARD PLANS INDEXES 102 LATEST EDITION), AND NASSAU COUNTY'S ROAD CLOSURE POLICY.

REVISIONS						CIVIL SERVICES, INC. CONSULTING ENGINEERS 2394 ST. JOHNS BLUFF ROAD, S. JACKSONVILLE, FL 32246 C.A. NUMBER: 6127 ALI A. NAJAFI, PE NO. 53099		NASSAU COUNTY ENGINEERING NASSAU COUNTY FLORIDA CONSTRUCTION PLANS FOR: MINER ROAD	GENERAL NOTES	SHEET NO. 5
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Contract No. CM2835



Vvh #	UTILITY DESCRIPTION (Owner, Type)	SIZE	MATERIALS	COORDINATES NAVD83/2011			DEPTH	GROUND ELEVATION
				NORTHING	EASTING	OFFSET		
1	TECO GAS	UNKNOWN	UNKNOWN	2289412.12	472111.64	38'	11.55'	29.13
2	UNKNOWN	UNKNOWN	UNKNOWN	2289412.13	472110.87	38'	9.07'	29.11
3	TECO GAS	12"	STEEL	2289664.23	472091.12	38'	3.70'	29.47

BM 1
 FOUND PMON WITH ALUMINUM DISK STAMPED "7406007 BM 1"
 FAMILY DOLLAR
 410.76' RT, STA. 24+06.90 @ SURVEY
 NORTHING: 2289655.00
 EASTING: 472464.00
 ELEV. 27.80

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

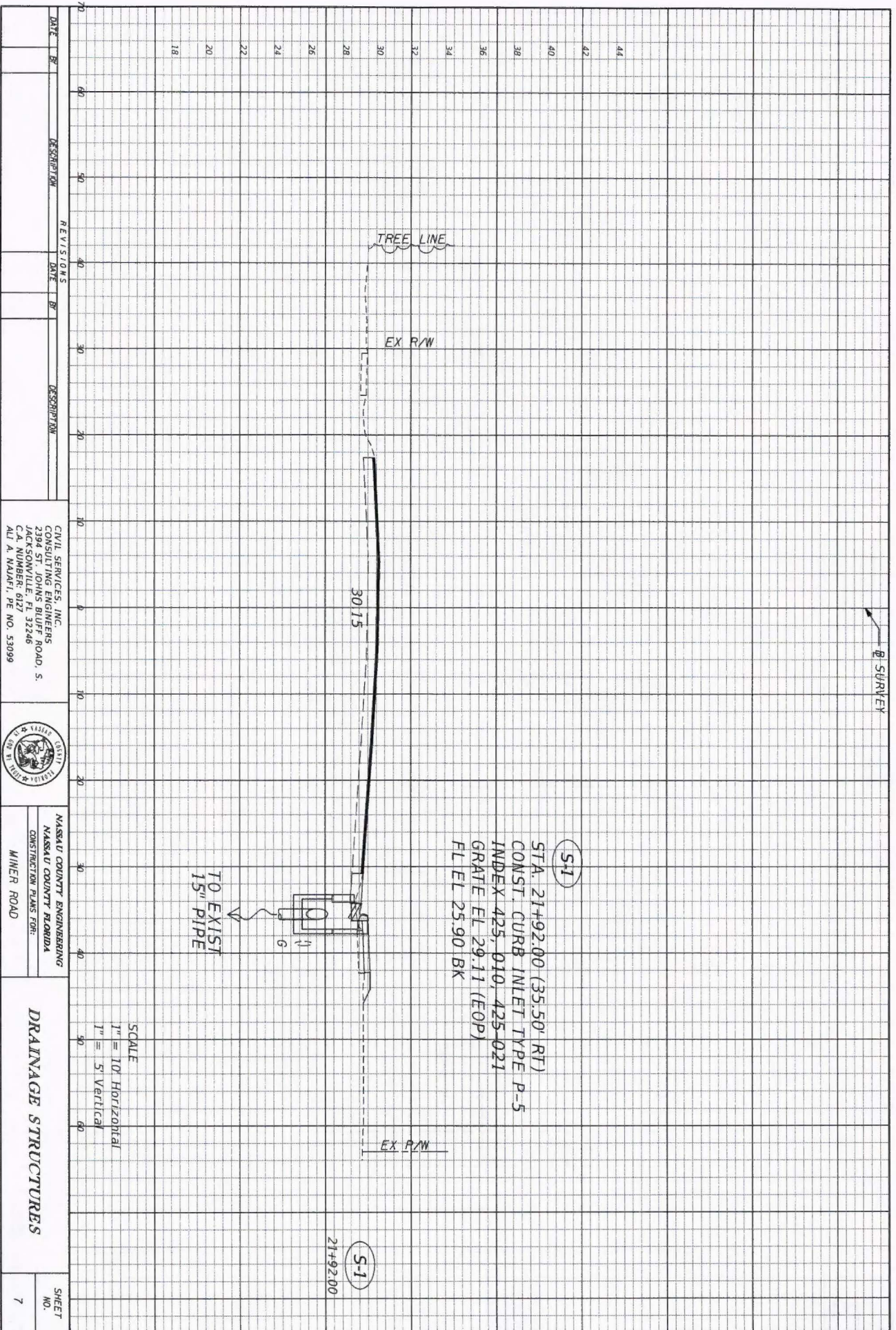
CIVIL SERVICES, INC.
 CONSULTING ENGINEERS
 2394 ST. JOHNS BLUFF ROAD, S.
 JACKSONVILLE, FL 32246
 C.A. NUMBER: 6127
 ALI A. NAJAFI, PE NO. 53099



NASSAU COUNTY ENGINEERING
 NASSAU COUNTY FLORIDA
 CONSTRUCTION PLANS FOR:
 MINER ROAD

PLAN SHEET
 SHEET NO. 6

CONTRACT NO. CM2835
 SHEET 5 OF 5 THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G19-61G19-10.000, F.A.C.



DATE	BY	DESCRIPTION	REV'S	DATE	BY	DESCRIPTION

CIVIL SERVICES, INC.
 CONSULTING ENGINEERS
 2394 ST. JOHNS BLUFF ROAD, S.
 JACKSONVILLE, FL 32246
 C.O. NUMBER: 812 /
 ALL A. NUMBER, PE NO. 53099



NASSAU COUNTY ENGINEERING
 NASSAU COUNTY FLORIDA
 CONSTRUCTION PLANS FOR:
 MINER ROAD

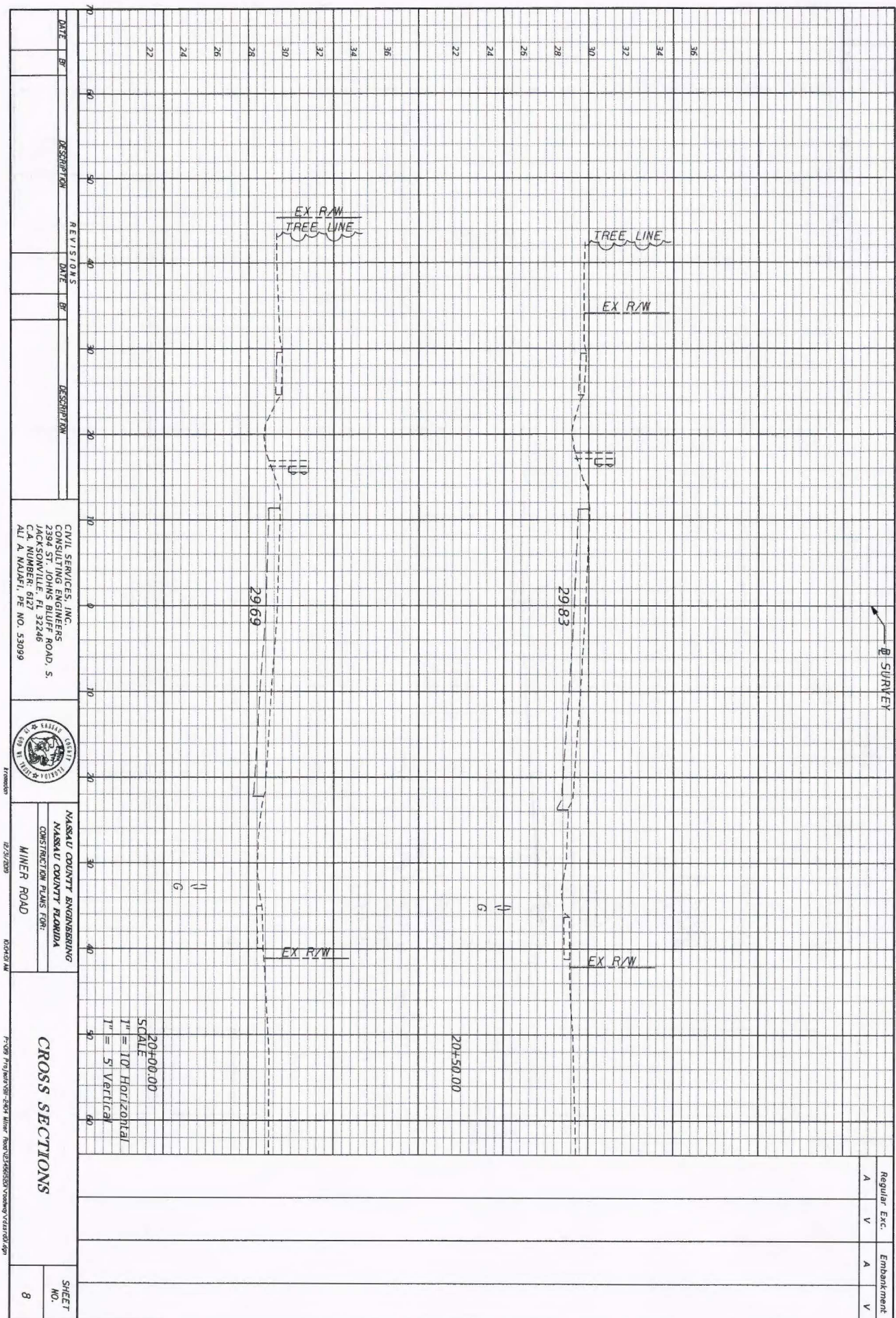
DRAINAGE STRUCTURES

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

SHEET NO. 7

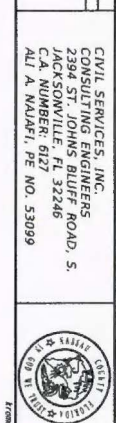
(S-1)
 STA. 21+92.00 (35.50' RT)
 CONST. CURB INLET TYPE P-5
 INDEX 425, 010, 425-021
 GRATE EL. 29.11 (EOP)
 FL EL. 25.90 BK

(S-1)
 21+92.00



DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

CIVIL SERVICES, INC.
CONSULTING ENGINEERS
2394 ST. JOHNS BLUFF ROAD, S.
JACKSONVILLE, FL 32246
C.A. NUMBER: 6127
M.I. A. NUMBER: PE NO. 53089



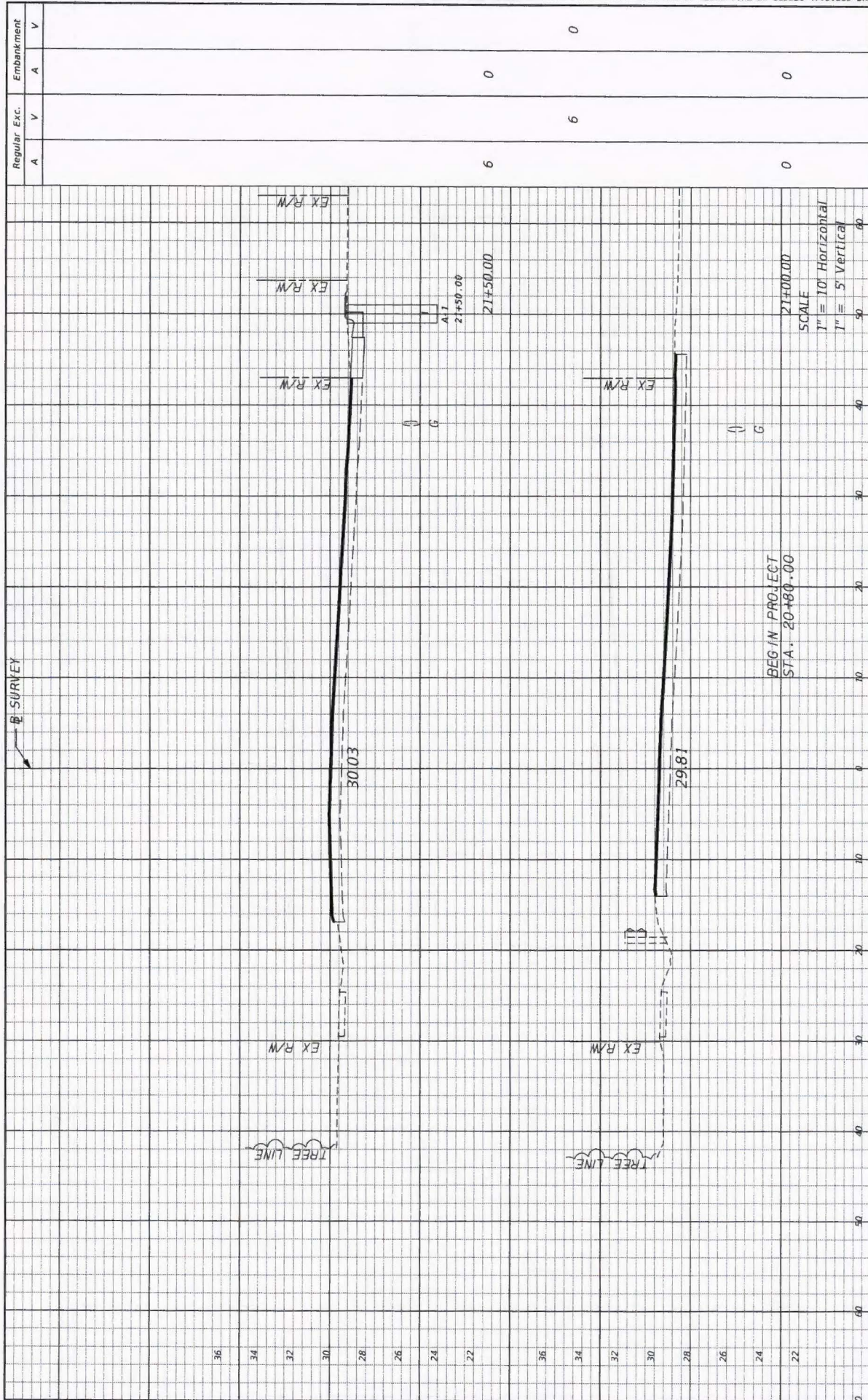
NASSAU COUNTY ENGINEERING
NASSAU COUNTY FLORIDA
CONSTRICTION PLANS FOR:
MINER ROAD

DATE: 02/27/2020
DRAWN BY: [Name]
CHECKED BY: [Name]
SCALE:
20+00.00
1" = 10' Horizontal
1" = 5' Vertical

CROSS SECTIONS
SHEET NO. 8

Regular Exc.	Exc.	Embankment
A	V	A
		V

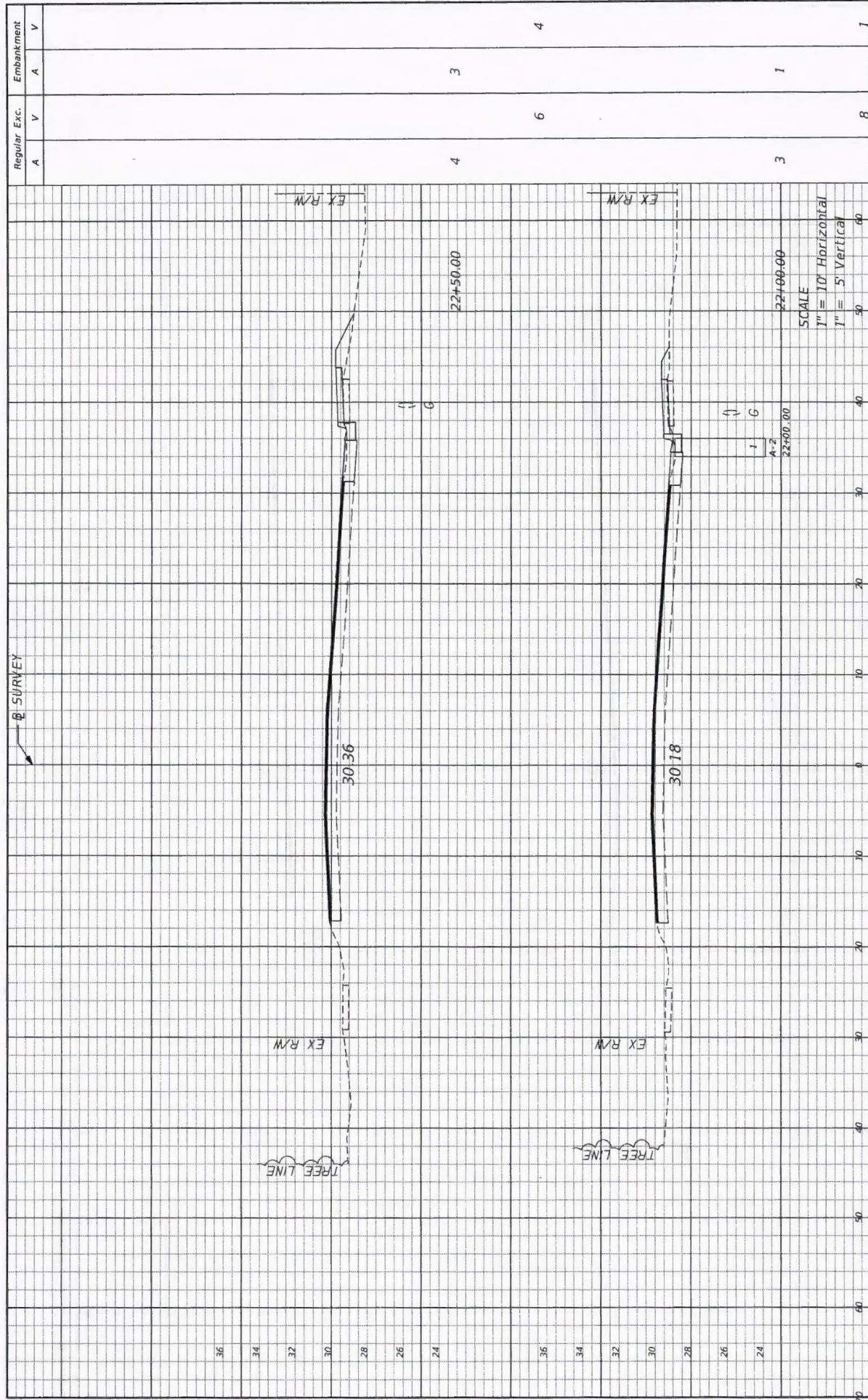
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Regular Exc.	Embankment
A	A
V	V

6	0	0
6	0	0

CIVIL SERVICES, INC. CONSULTING ENGINEERS 2394 ST. JOHNS BLUFF ROAD, S. JACKSONVILLE, FL 32246 C.A. NUMBER: 6127 ALI A. NAJAFI, PE NO. 53099		CIVIL SERVICES, INC. NASASU COUNTY ENGINEERING NASASU COUNTY FLORIDA CONSTRUCTION PLANS FOR: MINER ROAD	CROSS SECTIONS	SHEET NO. 9											
REVISIONS <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	BY	DESCRIPTION										PROJECT NO. 1001-2004 Miner Road V13.656333 V13.656333	DATE: 02/19/08
DATE	BY	DESCRIPTION													



Regular Exc.		Embankment	
A	V	A	V

4	3	1	1
4	6	8	1

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

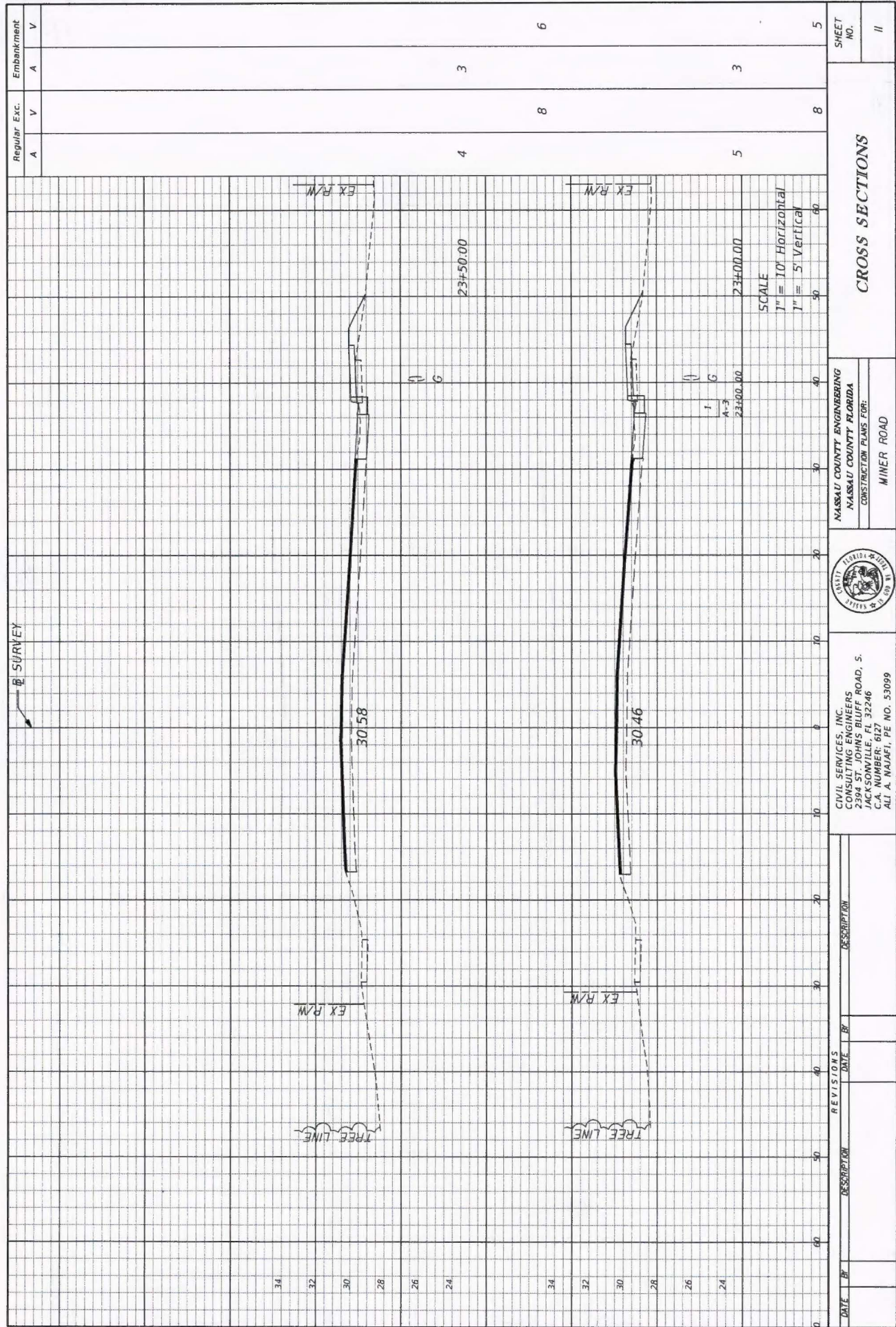
CIVIL SERVICES, INC.
CONSULTING ENGINEERS
2394 ST. JOHNS BLUFF ROAD, S.
DADE COUNTY, FL 33246
C.A. NUMBER: 6127
ALI A. NALAJI, PE NO. 53099

FLORIDA PROFESSIONAL ENGINEERING
NASSAU COUNTY FLORIDA
CONSTRUCTION PLANS FOR:
MINER ROAD

12/31/2009
803002.MJ
PROJECT: 2009-0101
NASSAU COUNTY ENGINEERING

CROSS SECTIONS

SHEET NO. 10



CROSS SECTIONS

NASSAU COUNTY ENGINEERING
 NASSAU COUNTY FLORIDA
 CONSTRUCTION PLANS FOR:
 MINER ROAD



CIVIL SERVICES, INC.
 CONSULTING ENGINEERS
 2394 ST. JOHNS BLUFF ROAD, S.
 JACKSONVILLE, FL 32246
 P.E. NUMBER 1
 ALL P. NASSAU, P.E. NO. 53099

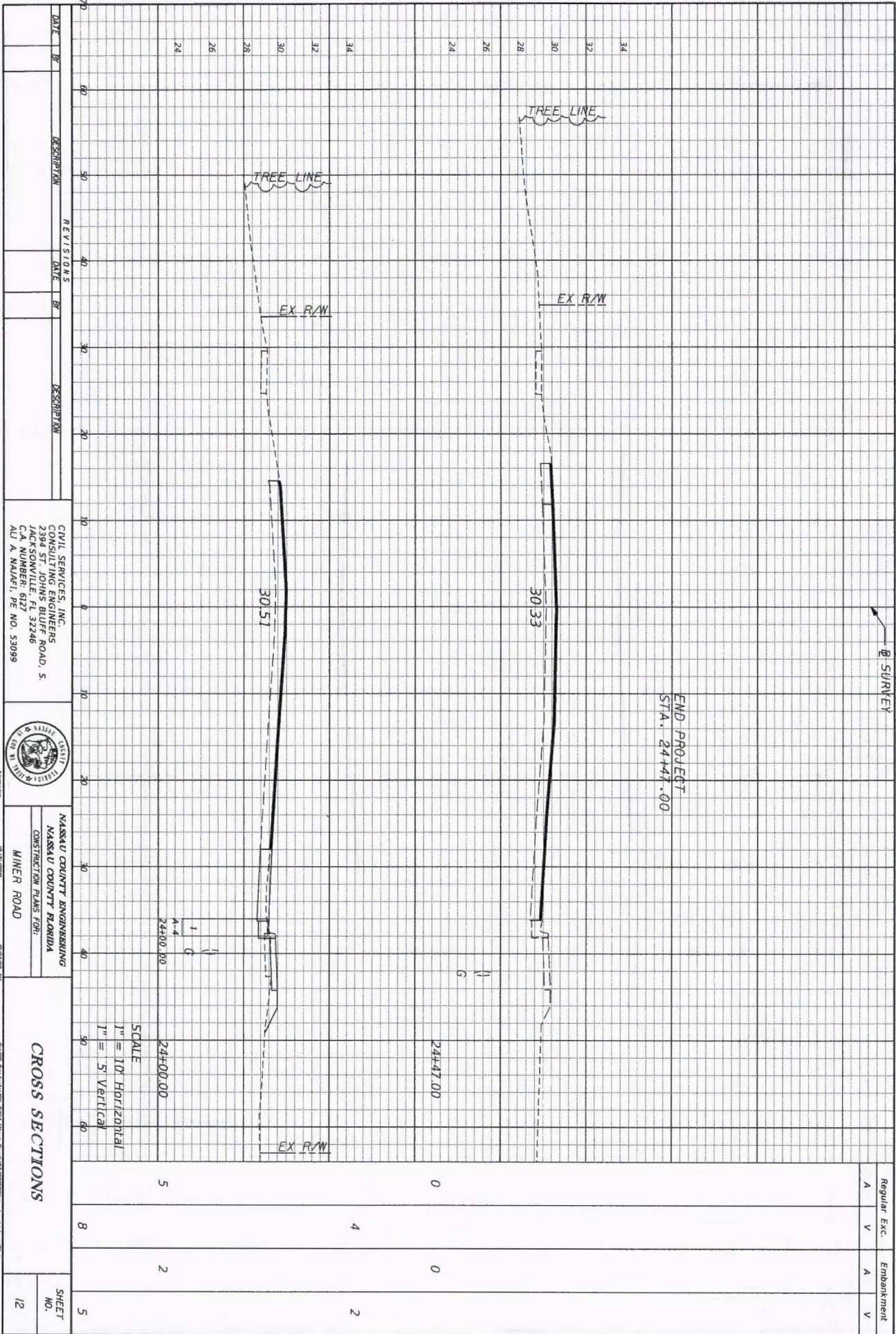
DATE: _____ DATE: _____

DESCRIPTION: _____

REVISIONS: _____

DESCRIPTION: _____

SHEET NO. 11



DATE	BY	DESCRIPTION

CIVIL SERVICES, INC.
 CONSULTING ENGINEERS
 2394 ST. JOHN'S BLUFF ROAD, S.
 JACKSONVILLE, FL 32246
 C.A. NUMBER: 6127
 ALI A. NAJAFI, PE NO. 53099



NASSAU COUNTY ENGINEERING
 NASSAU COUNTY FLORIDA
 CONSTRUCTION PLANS FOR:
 MINER ROAD
 02/27/2008

CROSS SECTIONS
 SCALE
 1" = 10' Horizontal
 1" = 5' Vertical
 SHEET NO. 12

TRAFFIC CONTROL PLANS GENERAL NOTES

1. MAINTAIN EXISTING POSTED SPEED LIMIT OF 35 MPH ON MINER ROAD.
2. PORTABLE CHANGEABLE MESSAGE SIGN HAS BEEN INCLUDED IN THE CONTRACT TO PROVIDE INFORMATION TO MOTORIST DURING THE MAINTENANCE OF TRAFFIC PHASES. LOCATIONS OF THE SIGNS, ALONG WITH CONTENT AND LENGTH OF MESSAGES TO BE APPROVED BY THE ENGINEER.
3. PLACE PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) 7 DAYS IN ADVANCE OF A PROPOSED WORK AT THE LOCATION SPECIFIED IN THE PLANS.

DISPLAY 1: DISPLAY 2:
 ROAD (BEGIN DATE) *
 WORK (MONTH)
 AHEAD (DAY)

* TO BE DETERMINED BY THE ENGINEER

4. NO LANE CLOSURES ALLOWED 6:00 AM TO 8:00 PM MONDAY THROUGH SUNDAY.
5. FIFTEEN MINUTES PRIOR TO INITIATING MOT FOR A LANE CLOSURE, CONTACT THE DISTRICT TWO RTMC AT (904) 903-2000 TO PROVIDE INFORMATION ON THE ROADWAY, DIRECTION OF TRAVEL, AND WHICH LANE (S) WILL BE CLOSED. ONCE THE WORK IS COMPLETED AND LANES ARE REOPENED, CONTACT THE DISTRICT TWO RTMC WITHIN THIRTY MINUTES TO NOTIFY THEM THAT THE CLOSURE HAS BEEN REMOVED.
6. FOLLOW STANDARD PLAN INDEX 102-600, 102-601, 102-602 & 102-603.

PHASING NOTES MINER ROAD:

PHASE I:


1. INSTALL ADVANCE WARNING SIGNS.
2. INSTALL LOW PROFILE BARRIER.
3. INSTALL TEMPORARY PAVEMENT MARKINGS.

PHASE II:

1. CONSTRUCT ROADWAY WIDENING.

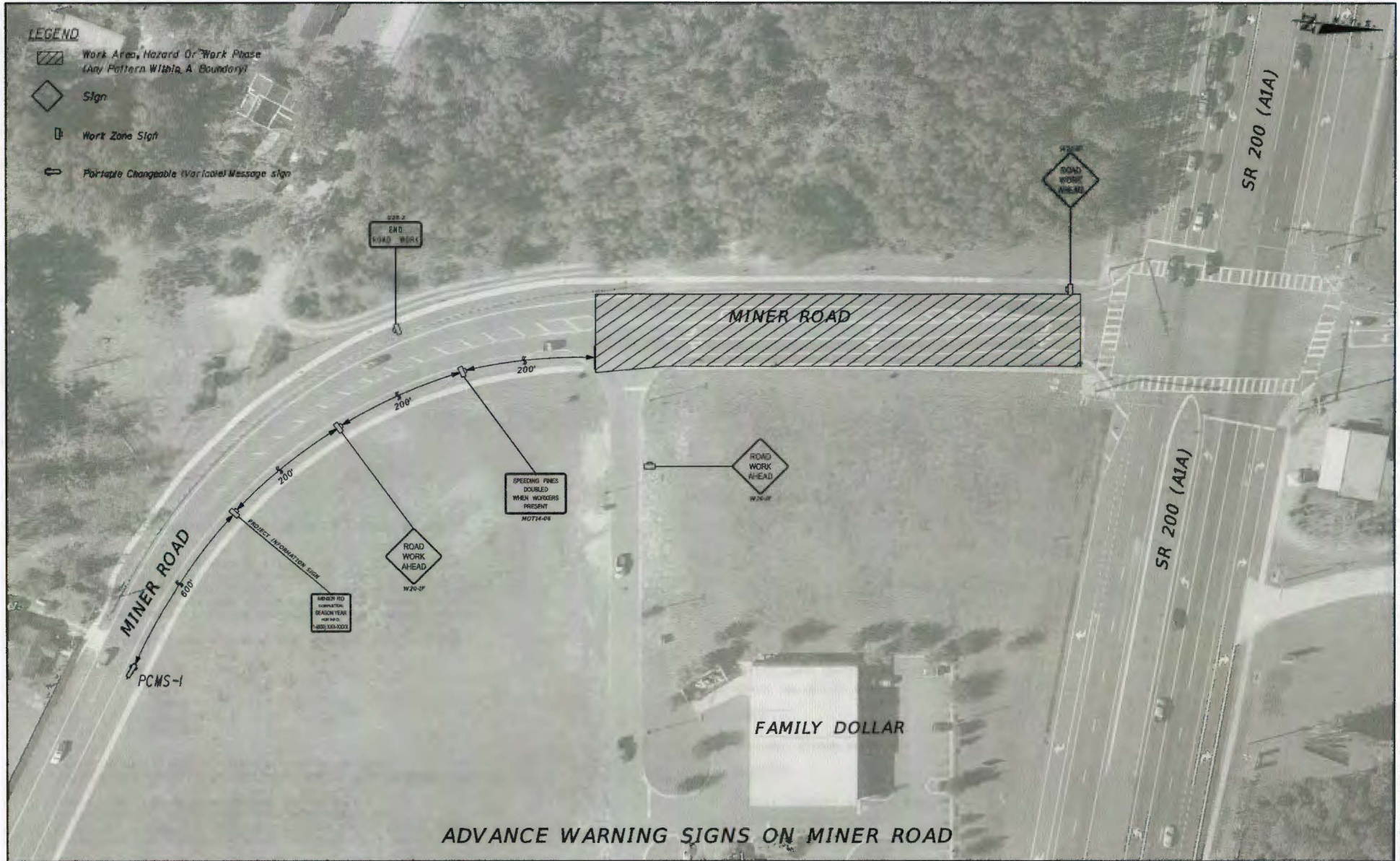
PHASE III:

1. REMOVE LOW PROFILE BARRIER.
2. INSTALL FINAL PAVEMENT MARKINGS.
3. REMOVE WORK ZONE SIGNS.

REVISIONS						CIVIL SERVICES, INC. CONSULTING ENGINEERS 2394 ST. JOHNS BLUFF ROAD, S. JACKSONVILLE, FL 32246 C.A. NUMBER: 6127 ALI A. NAJAFI, PE NO. 53099		NASSAU COUNTY ENGINEERING NASSAU COUNTY FLORIDA CONSTRUCTION PLANS FOR: MINER ROAD	TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					13

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Contract No. CM2835



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CIVIL SERVICES, INC.
 CONSULTING ENGINEERS
 2394 ST. JOHNS BLUFF ROAD, S.
 JACKSONVILLE, FL 32246
 C.A. NUMBER: 6127
 ALI A. NAJAFI, PE NO. 53099

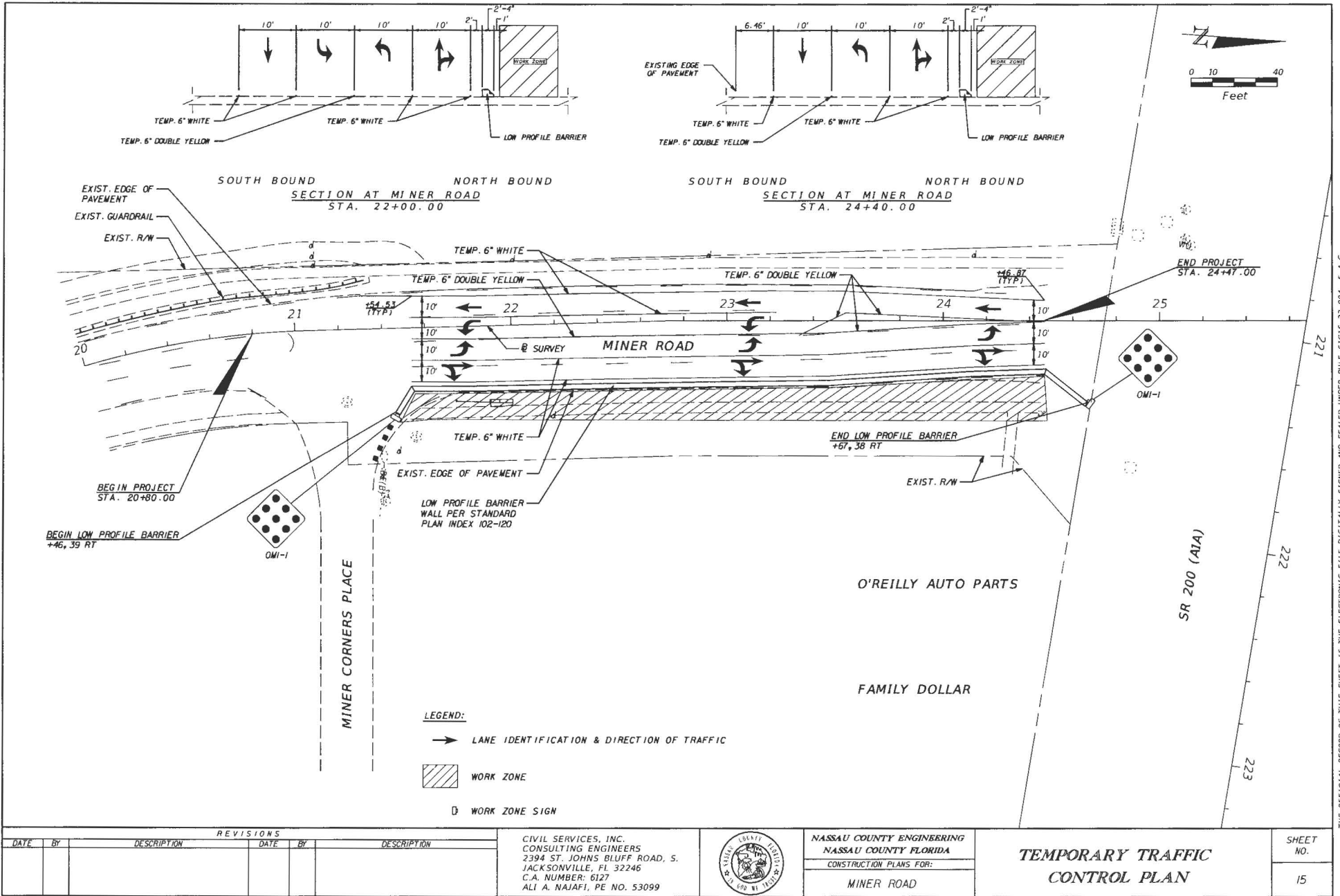


NASSAU COUNTY ENGINEERING
 NASSAU COUNTY FLORIDA
 CONSTRUCTION PLANS FOR:
 MINER ROAD

TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO.
 14

Contract No. CM2835
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CIVIL SERVICES, INC.
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 JACKSONVILLE, FL 32246
 C.A. NUMBER: 6127
 ALI A. NAJAFI, PE NO. 53099



NASSAU COUNTY ENGINEERING
 NASSAU COUNTY FLORIDA
 CONSTRUCTION PLANS FOR:
 MINER ROAD

TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO.
 15

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Contract No. CM2835

SUMMARY OF LUMP SUM ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0101 1	MOBILIZATION	1			

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL			DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL		
			DAYS	P	P		
0102 1	MAINTENANCE OF TRAFFIC	LS				1	"60" CONTRACT DAYS
0102 60	WORK ZONE SIGN	ED				360	
	Advance Signing		60	5	300		See Sheet 14
	Side Roads (1)		60	1	60		See Sheet 14
0102 71 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF			336	336	See Sheet 15
0102 74 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED				480	
	PCMS (4)		60	4	240		See Sheet 14
	Side Roads (4)		60	4	240		See Sheet 15
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA			296	296	See Sheet 15
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED				60	
	1 During Construction		60	1	60		See Sheet 14
0710 11101	PAINTED PAVT. MARKINGS, STD, WHITE, SOLID, 6"	GM				0.344	See Sheet 15 & SPM Plans
0710 11170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA				11	See SPM Plans
0710 11201	PAINTED PAVT. MARKINGS, STD, YELLOW, SOLID, 6"	GM				0.257	See Sheet 15 & SPM Plans

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION	SIDE	SEDIMENT BARRIER		DESIGN NOTES	CONSTRUCTION REMARKS
		0104 10 3			
		LF			
STA. TO STA.		P	F		
21+50.00 TO 24+47.00	RT	297			
TOTAL		297			

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CIVIL SERVICES, INC.
CONSULTING ENGINEERS
2394 ST. JOHNS BLUFF ROAD, S.
JACKSONVILLE, FL 32246
C.A. NUMBER: 6127
ALI A. NAJAFI, PE NO. 53099



NASSAU COUNTY ENGINEERING
NASSAU COUNTY FLORIDA
CONSTRUCTION PLANS FOR:
MINER ROAD

SUMMARY OF QUANTITIES

SHEET NO.
SQ-1

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Contract No. CM2835

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
						AREA (AC)	P	F	P	F		
0110 1 1	CLEARING AND GRUBBING	21+50.00 TO 24+47.00	RT	9607	LS	0.049			1.0		0.064 TOTAL ACRES	
						0.015					PERFORMANCE TURF (SOD) AREAS	
0110 4 10	REMOVAL OF EXISTING CONCRETE	21+50.00 TO 24+47.00	RT	9513	SY		154.5		155		EXISTING SIDEWALK	

SUMMARY OF EARTHWORK

PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0120 1	REGULAR EXCAVATION	44.0			
0120 2 2	BORROW EXCAVATION, TRUCK MEASURE 23 X 1.45 X 1.25	41.7			

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CIVIL SERVICES, INC.
CONSULTING ENGINEERS
2394 ST. JOHNS BLUFF ROAD, S.
JACKSONVILLE, FL 32246
C.A. NUMBER: 6127
ALI A. NAJAFI, PE NO. 53099



NASSAU COUNTY ENGINEERING
NASSAU COUNTY FLORIDA
CONSTRUCTION PLANS FOR:
MINER ROAD

SUMMARY OF QUANTITIES

SHEET NO.
5Q-2

Contract No. CM2835
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				P	F	P	F		
		0160 4				TYPE B STABILIZATION	21+50.00 TO 24+47.00	RT	11378		
0285 706	OPTIONAL BASE 6	21+50.00 TO 24+47.00	RT	11955	SY	172.7		173			
0327 70 6	MILLING EXISTING ASPHALT PAVEMENT, (1 1/2") DEPTH	20+80.00 TO 24+47.00		12194	SY	1991.4		1992			
0334 1 52	SUPERPAVE ASPHALTIC CONCRETE - TRAFFIC B, PG 76-22				TN			178.5			
	FROM PAY ITEM 327-70-6	20+80.00 TO 24+47.00				164.3					
	FROM PAY ITEM 285-706	21+50.00 TO 24+47.00				14.2					

SUMMARY OF UTILITY ADJUSTMENTS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STATION			P	F	P	F		
0425 5	MANHOLE, ADJUST	21+23.00	RT	EA	1.0		1			

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.			GROSS LENGTH	DEDUCTIONS TYPE	LENGTH	NET LENGTH P	F	P			F
		0520 1 10			CONCRETE CURB & GUTTER, TYPE F	21+50.00 TO 24+47.00	RT	LF	297.0	CI			10.5

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CIVIL SERVICES, INC.
CONSULTING ENGINEERS
2394 ST. JOHNS BLUFF ROAD, S.
JACKSONVILLE, FL 32246
C.A. NUMBER: 6127
ALI A. NAJAFI, PE NO. 53099



NASSAU COUNTY ENGINEERING
NASSAU COUNTY FLORIDA
CONSTRUCTION PLANS FOR:
MINER ROAD

SUMMARY OF QUANTITIES

SHEET NO.
SQ-3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Contract No. CM2835

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS

LOCATION STA. TO STA.	SIDE	AREA ID	CONC SIDEWALK 4"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
			0522	1	0527	2		
			SY		SF			
			P	F	P	F		
20+91.00 TO 20+97.00	RT	13140			15.4			
21+50.00 TO 24+47.00	RT	12799	187.8					
21+55.00 TO 21+74.00	RT	12809			31.9			
SUB-TOTAL:			187.8		47.3			
TOTAL:			188		47			

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	LENGTH	WIDTH	PERFORMANCE TURF/SOD		DESIGN NOTES	CONSTRUCTION REMARKS
				0570	1 2		
				SY			
				P	F		
21+50.00 TO 24+47.00	RT	297.0	2.0	66.0			
SUB-TOTAL				66.0			
TOTAL				66			

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CIVIL SERVICES, INC.
CONSULTING ENGINEERS
2394 ST. JOHNS BLUFF ROAD, S.
JACKSONVILLE, FL 32246
C.A. NUMBER: 6127
ALI A. NAJAFI, PE NO. 53099



NASSAU COUNTY ENGINEERING
NASSAU COUNTY FLORIDA

CONSTRUCTION PLANS FOR:

MINER ROAD

SUMMARY OF QUANTITIES

SHEET
NO.

SQ-4

NASSAU COUNTY

ROADWAY SOIL SURVEY
REPORT OF TESTS

DATE OF SURVEY: JULY 23 2019
SURVEY MADE BY: CSI GEO, INC.
SUBMITTED BY: JOHN IYA P.E.

PROJECT NAME: MINER ROAD RIGHT TURN LANE AT SR 200

SURVEY BEGINS STA. : 21+50 SURVEY ENDS STA. : 24+00

REFERENCE: BASELINE OF SUEVY OF MINER ROAD

ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENT PASS (%)					ATTERBERG LIMITS (%)			CORROSION TEST RESULTS									
STRATUM NO.	NO. OF TESTS	% ORGANIC	NO. OF TESTS	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	LBR TEST RESULTS	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDE ppm	SULFATES ppm	pH
1	4	0.6-4.4	4	7-14	4	99-100	98-99	88-91	31-33	1-3	-	-	-	A-3	BROWN, TAN, AND GRAY FINE SAND WITH TRACE OF ORGANICS	-	-	-	-	-	-

LEGEND

STRATA BOUNDARIES ARE APPROXIMATE. MAKE FINAL CHECK AFTER GRADING.

G.N.E. - GROUNDWATER NOT ENCOUNTERED

A.T. - AUGER BORING TERMINATION

NOTE:


- THIS SOIL SURVEY APPLIES TO ROADWAY SOILS ONLY.
- STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH TEST HOLE LOCATION. ANY STRATUM CONNECTING LINES SHOWN ARE FOR DESIGN PURPOSES ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIANCE BETWEEN BORINGS MAY OCCUR AND SHOULD BE ANTICIPATED.
- THE MATERIAL FROM STRATUM NO. 1 CAN BE TREATED AS SELECT MATERIAL.
- THE DATA PRESENTED ON THIS SOIL SURVEY IS SPECIFIC ONLY TO THE LOCATIONS TESTED AND MAY NOT REPRESENT THE RANGE OF VALUES THAT MAY BE PRESENT THROUGHOUT THE SITE. SHOULD QUESTIONS ARISE REGARDING THE SUBSURFACE CONDITIONS, IT IS INCUMBENT UPON THE INDIVIDUAL RAISING THE QUESTION TO PERFORM ADDITIONAL SUBSURFACE EXPLORATION AND TESTING AS NECESSARY TO ADDRESS SUCH QUESTIONS.

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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.

CSI-GEO, INC.
2394 ST. JOHNS BLUFF ROAD S., SUITE 200
JACKSONVILLE, FL 32246
C.A. NUMBER: 28170
JOHN IYA, PE NO. 77294

REVISIONS						JOHN A. IYA, P.E. P.E. LICENSE NUMBER 77294 CSI GEO, INC. 2394 ST. JOHNS BLUFF ROAD S., SUITE 200 JACKSONVILLE, FLORIDA 32246 CERTIFICATE OF AUTHORIZATION 28170	 NASSAU COUNTY ENGINEERING NASSAU COUNTY FLORIDA CONSTRUCTION PLANS FOR: MINER ROAD	ROADWAY SOIL SURVEY	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				GR-1

Kramodan

12/31/2019

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Contract No. CM2835



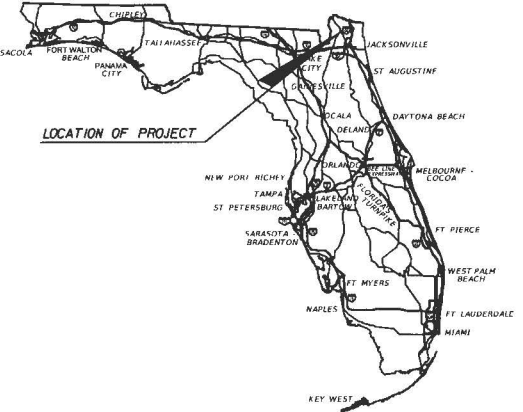
NASSAU COUNTY PUBLIC WORKS DEPARTMENT

CONTRACT PLANS

NASSAU COUNTY (74060)

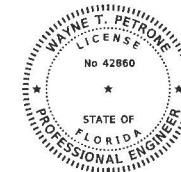
WIDENING OF MINER ROAD FOR
A RIGHT TURN LANE AT SR 200/SR A1A

SIGNALIZATION PLANS



INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	TABULATION OF QUANTITIES
T-3	GENERAL NOTES/SPECIAL DETAILS
T-4	SIGNALIZATION PLAN
T-5	MAST ARM TABULATION SHEET



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SIGNALIZATION PLANS

ENGINEER OF RECORD:

PETERS AND YAFFEE, INC.
9822 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
CERTIFICATE OF AUTHORIZATION NO.: 28258
WAYNE T. PETRONE, P.E. 42860

PROJECT MANAGER:

ROBERT T. COMPANION, PE

BOARD OF COUNTY COMMISSIONERS

DANIEL B. LEEPER - DISTRICT 1 - VICE CHAIRMAN
AARON C. BELL - DISTRICT 2
PAT EDWARDS - DISTRICT 3
THOMAS R. FORD - DISTRICT 4
JUSTIN M. TAYLOR - DISTRICT 5 - CHAIRMAN

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
MINER ROAD	19	T-1

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Contract No. CM2835

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
			T-4																				
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL			
660-4-51	VEHICLE DETECTION SYSTEM-VIDEO, ADJUST/MODIFY CABINET EQUIPMENT	EA	1																1		1		
660-4-52	VEHICLE DETECTION SYSTEM-VIDEO, ADJUST/MODIFY ABOVE GROUND EQUIPMENT	EA	1																1		1		
700-3-201	SIGN PANEL, F&I, OVERHEAD MOUNT, UP TO 12 SF	EA	1																1		1		

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

PETERS AND YAFFEE, INC.
 9822 TAPESTRY PARK CIRCLE, SUITE 205
 JACKSONVILLE, FL 32246
 CERTIFICATE OF AUTHORIZATION 28258
 WAYNE T. PETRONE, 42860



NASSAU COUNTY ENGINEERING

CONSTRUCTION PLANS FOR:

MINER ROAD

TABULATION OF QUANTITIES

SHEET NO.

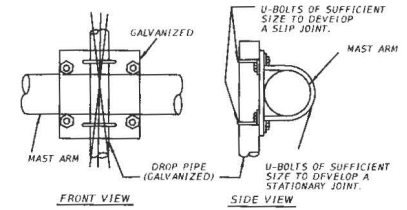
T-2

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Contract No. CM2835

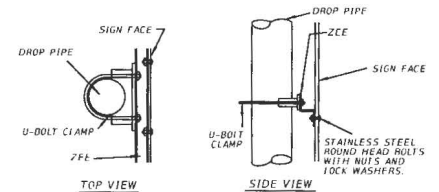
GENERAL NOTES:

1. NOTIFY THE TRAFFIC SIGNAL SUPERVISOR WITH NASSAU COUNTY ENGINEERING DEPARTMENT, AT (904) 491-7330, 48 HOURS IN ADVANCE OF BEGINNING SIGNAL WORK TO OBSERVE INSTALLATION IF DESIRED.
2. VIDEO DETECTION ZONES SHALL BE 40' IN LENGTH AND 6' IN WIDTH AND EXTEND 4.0' IN FRONT OF STOP BAR.
3. REFER TO ROADWAY PLANS FOR UTILITY CONTACT INFORMATION.



SIGN ARM BRACKET

N.T.S.



DROP PIPE SIGN DETAIL

N.T.S.

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Contract No. CM2835

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

PETERS AND YAFFEE, INC.
 9822 TAPESTRY PARK CIRCLE, SUITE 205
 JACKSONVILLE, FL 32246
 CERTIFICATE OF AUTHORIZATION 28258
 WAYNE T. PETRONE, P.E. 42860



NASSAU COUNTY ENGINEERING

CONSTRUCTION PLANS FOR:

MINER ROAD

**GENERAL NOTES/
 SPECIAL DETAILS**

SHEET NO.

T-3

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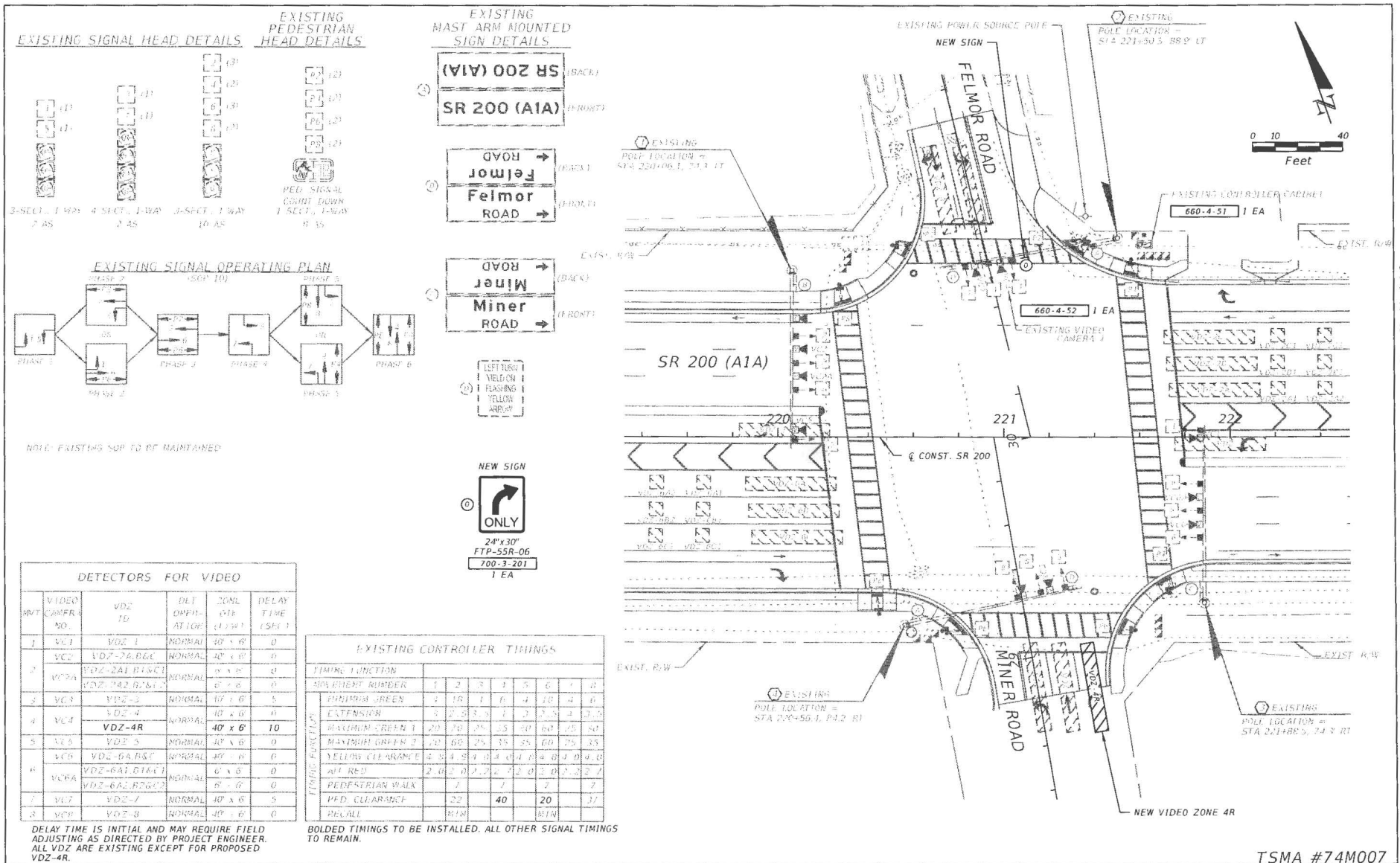
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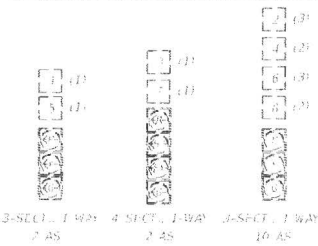
F:\2019\19-031 Nassau County Contracting Services\1922 CSI\000000000000\Signets\seedtag02.dgn

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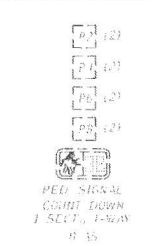
Contract No. CM2835



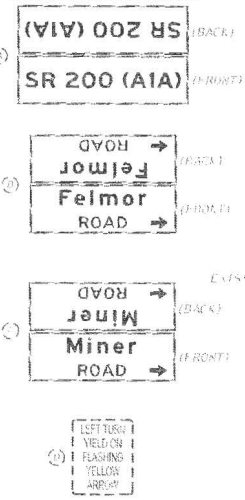
EXISTING SIGNAL HEAD DETAILS



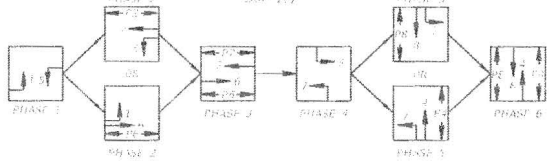
EXISTING PEDESTRIAN HEAD DETAILS



EXISTING MAST ARM MOUNTED SIGN DETAILS



EXISTING SIGNAL OPERATING PLAN



NOTE: EXISTING SOP TO BE MAINTAINED

NEW SIGN



DETECTORS FOR VIDEO					
PHASE	VIDEO CAMERA NO.	VDZ ID	DET DIFF. AT TOR	ZONE (L/W)	DELAY TIME (SECS)
1	VC1	VDZ-1	NORMAL	40' x 6'	0
	VC2	VDZ-2A,B,C	NORMAL	40' x 6'	0
2	VC2A	VDZ-2A1,B1,C1	NORMAL	6' x 6'	0
	VC2B	VDZ-2A2,B2,C2	NORMAL	6' x 6'	0
3	VC3	VDZ-3	NORMAL	40' x 6'	5
	VC4	VDZ-4	NORMAL	40' x 6'	0
4	VC4	VDZ-4R	NORMAL	40' x 6'	10
	VC5	VDZ-5	NORMAL	40' x 6'	0
5	VC5	VDZ-5	NORMAL	40' x 6'	0
	VC6	VDZ-6A,B,C	NORMAL	6' x 6'	0
6	VC6A	VDZ-6A1,B1,C1	NORMAL	6' x 6'	0
	VC6B	VDZ-6A2,B2,C2	NORMAL	6' x 6'	0
7	VC7	VDZ-7	NORMAL	40' x 6'	5
	VC8	VDZ-8	NORMAL	40' x 6'	0

EXISTING CONTROLLER TIMINGS								
TIMING FUNCTION	MOVEMENT NUMBER							
	1	2	3	4	5	6	7	8
PERMISSION GREEN	3	16	1	6	4	10	4	6
EXTENSION	5	2	2	5	1	2	2	5
MAXIMUM GREEN 1	20	20	25	25	20	60	20	50
MAXIMUM GREEN 2	20	60	25	25	25	60	25	35
YELLOW CLEARANCE	4	3	4	3	4	4	4	4
ALL RED	2	0	2	2	2	2	2	2
PEDESTRIAN WALK		7		7		7		7
PED. CLEARANCE				40		20		37
PRECALL		MIN				MIN		

BOLDDED TIMINGS TO BE INSTALLED. ALL OTHER SIGNAL TIMINGS TO REMAIN.

DELAY TIME IS INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY PROJECT ENGINEER. ALL VDZ ARE EXISTING EXCEPT FOR PROPOSED VDZ-4R.

<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	BY	DESCRIPTION				<p>PETERS AND YAFFEE, INC. 9822 TAPESTRY PARK CIRCLE, SUITE 205 JACKSONVILLE, FL 32246 CERTIFICATE OF AUTHORIZATION 28258 WAYNE T. PETRONE, P.E. 42860</p>		<p>NASSAU COUNTY ENGINEERING</p> <p>CONSTRUCTION PLANS FOR: MINER ROAD</p>		<p>T SMA #74M007</p> <p>SIGNALIZATION PLAN</p>		<p>SHEET NO. T-4</p>	
DATE	BY	DESCRIPTION													



NASSAU COUNTY PUBLIC WORKS DEPARTMENT

CONTRACT PLANS

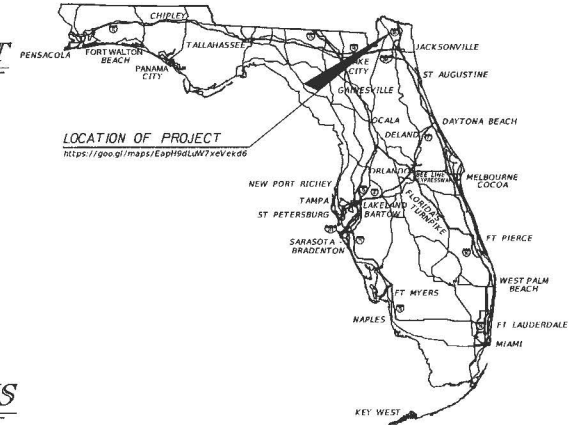
NASSAU COUNTY (74060)

**WIDENING OF MINER ROAD FOR
A RIGHT TURN LANE AT SR 200/SR A1A**

SIGNING & PAVEMENT MARKINGS PLANS

**INDEX OF SIGNING &
PAVEMENT MARKINGS PLANS**

SHEET NO.	SHEET DESCRIPTION
5-1	KEY SHEET
5-2	TABULATION OF QUANTITIES
5-3	SIGNING & PAVEMENT MARKINGS PLAN



THIS ITEM HAS BEEN DIGITALLY
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ON THE DATE ADJACENT TO THE SEAL
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**SIGNING AND PAVEMENT
MARKINGS PLANS
ENGINEER OF RECORD:**

ALI A. NAJAFI, P.E. NO.: 53099
CIVIL SERVICES, INC.
2394 ST. JOHNS BLUFF ROAD, S.
JACKSONVILLE, FL 32246
(904) 641-1834
CONTRACT NO.: CM2286-WA04
VENDOR NO.: 59-2975137
CERTIFICATE OF AUTHORIZATION NO.: 6127

PROJECT MANAGER:
ROBERT T. COMPANION, PE

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	20	5-1

Contract No. CM2835
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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET	
			S-3																		PLAN	FINAL	PLAN	FINAL				
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL								
0700-1-50	SINGLE POST SIGN, RELOCATE	AS	1																					1	1			
0710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS																									1	
*	RETRO-REFLECTIVE PAVEMENT MARKER, YELLOW/YELLOW	EA	28																								28	28
*	RETRO-REFLECTIVE PAVEMENT MARKER, WHITE /RED	EA	21																								21	21
*	PAINTED PAVT. MARKINGS, STD, 12" WHITE	LF	136																								136	136
*	PAINTED PAVT. MARKINGS, STD, WHITE, ARROW	EA	9																								9	9
*	PAINTED PAVT. MARKINGS, STD, 6" WHITE	GM	0.141																								0.141	0.141
*	PAINTED PAVT. MARKINGS, STD, 6" YELLOW	GM	0.103																								0.103	0.103
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	136																								136	136
0700 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	9																								9	9
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.141																								0.141	0.141
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.103																								0.103	0.103

* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION; SEE SPECIFICATION 710 FOR THE NUMBERS OF APPLICATIONS REQUIRED.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CIVIL SERVICES, INC.
CONSULTING ENGINEERS
2394 ST. JOHNS BLUFF ROAD, S.
JACKSONVILLE, FL 32246
C.A. NUMBER: 6127
ALI A. NAJAFI, PE NO. 53099

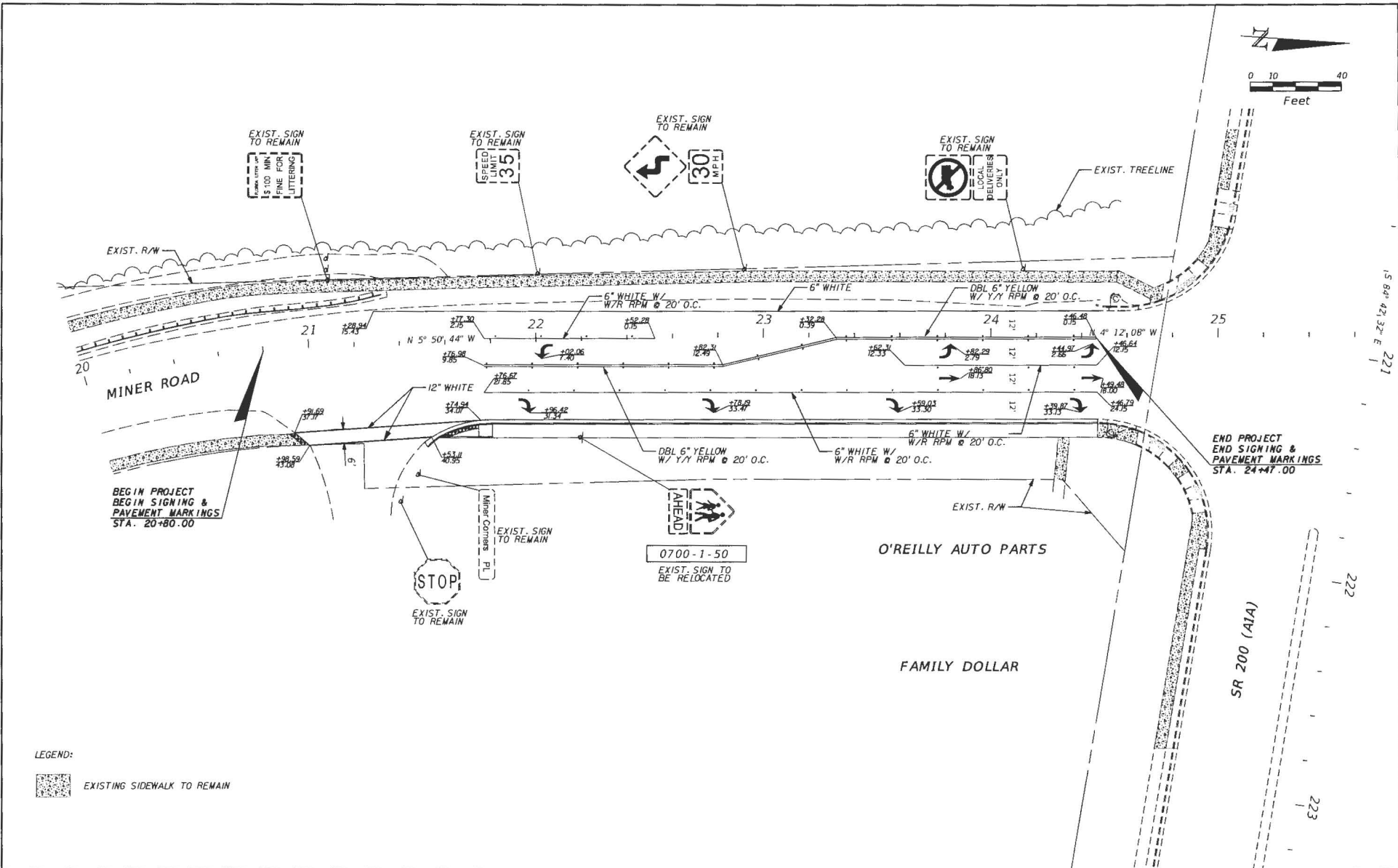
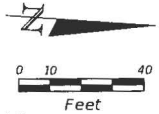


NASSAU COUNTY ENGINEERING
NASSAU COUNTY FLORIDA
CONSTRUCTION PLANS FOR:
MINER ROAD

TABULATION OF QUANTITIES

SHEET NO.
S-2

Contract No. CM2835



LEGEND:
 EXISTING SIDEWALK TO REMAIN

		REVISIONS								SHEET NO.		
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					S-3		
						CIVIL SERVICES, INC. CONSULTING ENGINEERS 2394 ST. JOHNS BLUFF ROAD, S. JACKSONVILLE, FL 32246 C.A. NUMBER: 6127 ALI A. NAJAFI, PE NO. 53099				NASSAU COUNTY ENGINEERING NASSAU COUNTY FLORIDA CONSTRUCTION PLANS FOR: MINER ROAD		SIGNING & PAVEMENT MARKINGS PLAN

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Contract No. CM2835

ADDENDA



NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS
Contract Management Department
96135 Nassau Place, Suite 2
Yulee, Florida 32097
904-530-6040

Grayson Hagins
ghagins@nassaucountyfl.com

TO: All Proposers
FROM: Grayson Hagins, Contract/Purchasing Manager
SUBJECT: Addendum #1
Invitation to Bid, Bid Number NC20-003
Miner Road Widening
February 18, 2020

REMINDER: This addendum must be acknowledged, on the Bid Form Section 00-41-15, Article 3.01.A. Failure to comply may result in disqualification of your submittal.

This addendum is hereby incorporated into the bid 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.

Part 1 – Questions & Answers

Is there an engineer’s estimate for this project?
Answer: The engineer’s estimate for this project is \$344,028.46

Part 2 – Clarifications

N/A

ATTACHMENTS:

N/A

NOTE: You are required to acknowledge receipt of this addendum on the Bid Form, Section 00-41-15, Article 3.01.A.

End of Addendum #1



NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS
Contract Management Department
96135 Nassau Place, Suite 2
Yulee, Florida 32097
904-530-6040

Grayson Hagins
ghagins@nassaucountyfl.com

TO: All Proposers
FROM: Grayson Hagins, Contract/Purchasing Manager
SUBJECT: Addendum #2
Invitation to Bid, Bid Number NC20-003
Miner Road Widening
February 27, 2020

REMINDER: This addendum must be acknowledged, on the Bid Form Section 00-41-15, Article 3.01.A. Failure to comply may result in disqualification of your submittal.

This addendum is hereby incorporated into the bid 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.

Part 1 – Questions & Answers

1. What is the time of completion for the project? The Specifications state 90 days Substantial Completion plus 30 days Final Completion, for a total of 120 days. Bid Tab Item No. 2 "Maintenance of Traffic," references 60 days. Please provide clarification. **I think sixty days is sufficient for a turn lane. Ali, do you agree? Agreed with 60 days for construction duration.**
2. Bid Tab Item No. 6 – "Temporary Retroreflective Pavement Marker," 296EA – Where will all the RPMs be used for the temporary marking? The quantity seems excessive. Also, will the 49 permanent RPMs be paid for per this item? **This is an Ali question. For Temp RPM: Please refer to the sheets 6 and 15. We have 4 lanes with heavy traffic that will require double RPMs. Please use 296 for your bidding. For 49 permanent RPMs please refer to Sheet No. S-2. Tabulation of Quantities Item No. 0710-90.**
3. Bid Tab Item No. 7 - "Portable Changeable Message Sign, Temporary," 60ED – This once again reflects a completion time of 60 days. Will the 7 days required for the PCMS prior to the start of work (Plan Sheet 13 – Note 3) also be paid for per this item? **See question 1 response for time frame. Ali, please assist with the pay item question if possible. Yes. 7 days of PCMS is included with this pay item.**
4. Since the project is being funded by FDOT/SCRAP funds, will there be certified payroll, and if so, please provide the wage rates? Also, what other additional reporting requirements will FDOT require of the contractor? **Project is funded 100% by the County, no FDOT funds. All submittals must meet County requirements. We will need to coordinate with FDOT for construction tie-in with SR200 project.**
5. The Contract Documents state that the work hours will be Monday through Thursday from 9:00AM to 3:30PM, for a total of 27.5 hours per week.
 - a. Will this work restriction be relaxed for this project? **Work is scheduled to be performed over the summer break, when school is out. The hours can be increased while school is out.**
 - b. Will the owner expect the contractor to pay the CEI \$80 to \$125 per hours for any hours over 27.5 hours per week as stated in the Specifications, or will the owner pay? **CEI will be provided by the County using County staff.**

- c. Will night work be allowed since no lane closures are allowed between 6:00AM and 8:00PM Monday through Sunday (Plan Sheet 13 – Note 4)? **Work will be allowed at night to reduce / eliminate lane closures.**
- 6. Will a FDOT Right -of-Way Permit and/or bond be required for this project? **Ali, Will we need a permit? I believe the limits of our work stops at the SR 200 right-of-way line. No R/W permit is required from FDOT. Please refer to Sheet No. 6. All work to be done in the Nassau County R/W.**
- 7. Will a Nassau County Right-of-Way Permit and/or bond be required for this project? **A right-of-way permit will not be required from Nassau County. Standard insurances / bonding required by contract for capital work will be required.**
- 8. Will a Nassau County Site Permit be required for this project? **No Nassau County Site Permit.**
- 9. Is a project sign required for this project? **Yes. Engineering Services can provide template.**

Part 2 – Clarifications

1. **Section 6.01 of the Bid Form (Section 00 41 15) is updated to show as:**

Bidder agrees that the Work will be substantially complete within 60 calendar days after the date when the Contract Times commence to run as provided in paragraph 2.03 of the General Conditions, and completed and ready for final payment in accordance with paragraph 14.07.B of the General Conditions within 30 calendar days from the date of substantial completion. Total contract time shall be 90 calendar days; for everyday the work goes beyond substantial completion, a day will be removed from final completion so the total days equal 90 calendar days.

2. **Article 22 Funding Requirements under Section 00 21 15 Instructions to Bidders can be considered deleted from the Bid Document. This project is funded 100% by the County.**

ATTACHMENTS:

N/A

NOTE: You are required to acknowledge receipt of this addendum on the Bid Form, Section 00-41-15, Article 3.01.A.

End of Addendum #2

EXHIBIT 1
GENERAL INFORMATION AND MINIMUM INSURANCE
REQUIREMENTS

GENERAL INFORMATION AND MINIMUM INSURANCE REQUIREMENTS

COMMERCIAL GENERAL LIABILITY INSURANCE

The 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
Fire Damage Limit (any one fire)	\$ 50,000
Medical Expense Limit (any one person)	\$ 5,000
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 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:

<u>Part One</u> – Workers' Compensation Insurance – Unlimited	
Statutory Benefits as provided in the Florida Statutes and	
<u>Part Two</u> – 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 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 Contractor, insured Sub-subcontractor 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 Contractor or Sub-subcontractor.

UMBRELLA INSURANCE

The Contractor shall purchase and maintain at the Contractor's expense Umbrella Liability (Umbrella Form) insurance coverage for the life of this Contract.

The Limits of this insurance shall not be less than the following limits:

Each Occurrence Limit	\$1,000,000
Aggregate Limit	\$1,000,000

Contractor shall require each of his Subcontractors to likewise purchase and maintain at their expense Commercial General Liability insurance, Workers' Compensation and Employer's Liability coverage, Automobile Liability insurance, Umbrella Liability Professional Liability, Environmental Liability, Builders Risk or Installation Floater (as applicable) insurance coverage meeting the same limit and requirements as the Contractors insurance.

Certificates of Insurance acceptable to Nassau County Board of County Commissioners for the Contractor's insurance must be received within five (5) days of Notification of Selection and at time of signing Agreement.

Certificates of Insurance and the insurance policies required for this Agreement shall contain an 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.

Certificates of Insurance and the insurance policies required for this Agreement will include a provision that policies, except Workers' Compensation and Professional Liability, are primary and noncontributory to any insurance maintained by the Contractor.

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). A copy of the endorsement(s) must be supplied to Nassau County Board of County Commissioners ten (10) days following the execution of the agreement or prior to the first date of services, whichever comes first.

CGL policy Additional Insured Endorsement must include Ongoing and Completed Operations (Form CG2010 11 84 **OR** Form CG2010 04 13 and GC2037 04 13 edition or equivalent). Other Additional Insured forms might be acceptable but only if modified to delete the word "ongoing" and insert the sentence "Operations include ongoing and completed operations".

CGL policy shall not be endorsed with Exclusion - Damage to Work performed by Subcontractors on Your Behalf (CG2294 or CG2295)

CGL policy shall not be endorsed with Contractual Liability Limitation Endorsement (CG2139) or Amendment of Insured Contract Definition (CG 2426)

CGL policy shall not be endorsed with Exclusion - Damage to Premises Rented to you (CG 2145)

CGL policy shall include broad form contractual liability coverage for the Contractors covenants to and indemnification of the Authority under this Contract

Certificates of Insurance and the insurance policies required for this Agreement shall contain a 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.

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.

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, Contractor shall submit an additional Certificate of Insurance evidencing continuation of such coverage.

If the 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 Contractor, in which event, Contractor shall pay the cost thereof and shall furnish upon demand, all information that may be required to procure such insurance. Nassau County Board of County Commissioners shall have the right to back-charge 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 contractors coverage based on the evidence of insurance provided by the contractor shall not be construed as a waiver by Nassau County Board of County Commissioners of contractor's obligation to procure, maintain and pay for required insurance.

The insurance requirements set forth herein shall in no way limit 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 Contractor's right under any policy with higher limits, and no policy maintained by the Contractor shall be construed as limiting the type, quality or quantity of insurance coverage that Contractor should maintain. 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 Contractor or any subcontractor contains deductible(s), penalty(ies) or self-insured retention(s), the Contractor or Subcontractor 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 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.

EXHIBIT 2
CONTRACTORS BID

SECTION 00 41 15

BID FORM

PROJECT IDENTIFICATION: Miner Road Widening
 Bid Number NC20-003
 Nassau County, Florida

BID DEADLINE: Tuesday, March 3, 2020 AT 4:00 PM

THIS BID IS SUBMITTED TO: Board of County Commissioners, Nassau County
 Robert M. Foster Justice Center
 Office of the Ex-Officio Clerk
 76347 Veterans Way, Suite 456
 Yulee, Florida 32097



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): CGC, Inc.
 Business address: 7036 W. 12th Street, Jacksonville, FL 32220
 Phone No.: (904) 783-4119 Fax No.: (904) 783-3401
 Contact Name: Richard C. Gaskin, Jr.
 Contact Title: President
 Contact email address: office@cgccivil.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:

Addendum No.	Addendum Date
<u>One (1)</u>	<u>February 18, 2020</u> 
<u>Two (2)</u>	<u>February 27, 2020</u> 

-
- 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 4.02 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 4.06 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.

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 price(s):

BID TAB

MINER ROAD WIDENING

Item No.	Pay Item	Pay Item Description	Units	Quantity	Cost Per Unit	Total Cost
BASE BID						
1	0101 1	MOBILIZATION	LS	1	\$70,066.00	\$70,066.00
2	0102 1	MAINTENANCE OF TRAFFIC	DA	60	\$10.00	\$600.00
3	0102 60	WORK ZONE SIGN	ED	360	\$0.42	\$151.20
4	0102 71 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF	336	\$41.27	\$13,866.72
5	1020 74 1	CHANNELIZING DEVICE	ED	480	\$0.40	\$192.00
6	0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	296	\$4.20	\$1,243.20
7	0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	60	\$24.00	\$1,440.00
8	0104 10 3	SEDIMENT BARRIER	LF	297	\$2.00	\$594.00
9	0110 1 1	CLEARING AND GRUBBING	AC	0.064	\$24,063.00	\$1,540.03
10	0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	155	\$15.00	\$2,325.00
11	0120 1	REGULAR EXCAVATION	CY	44	\$45.00	\$1,980.00
12	0120 2 2	BORROW EXCAVATION	CY	41.7	\$5.00	\$208.50
13	0160 4	TYPE B STABILIZATION	SY	250	\$12.00	\$3,000.00
14	285706	OPTIONAL BASE GROUP 6	SY	173	\$20.00	\$3,460.00
15	0327 70 6	MILLING EXIST ASPH PAVT, 1-1/2 AVG DEPTH	SY	1992	\$3.17	\$6,314.64
16	0334 1 52	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG 76-22	TN	178.5	\$147.20	\$26,275.20
17	0425 1351	INLETS, CURB, TYPE P-5, <10'	EA	1	\$6,500.00	\$6,500.00
18	0425 5	MANHOLE, ADJUST	EA	1	\$2,000.00	\$2,000.00
19	430175115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND 15" S/CD	LF	16	\$200.00	\$3,200.00
20	0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	287	\$26.00	\$7,462.00
21	0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	188	\$48.20	\$9,061.60
22	0527 2	DETECTABLE WARNINGS	SF	47	\$40.00	\$1,880.00
23	0570 1 2	PERFORMANCE TURF (SOD)	SY	66	\$10.00	\$660.00
24	0660 04 51	VEHICLE DETECTION SYSTEM-VIDEO, ADJUST/MODIFY CABINET EQUIPMENT	EA	1	\$1,560.00	\$1,560.00
25	0660 4 52	VEHICLE DETECTION SYSTEM-VIDEO, ADJUST/MODIFY ABOVE GROUND EQUIPMENT	EA	1	\$1,690.00	\$1,690.00
26	0700 1 50	SINGLE POST SIGN, RELOCATE	AS	1	\$488.00	\$488.00
27	0700 3201	SIGN PANEL, F&I, OVERHEAD MOUNT, UP TO 12 SF	EA	1	\$650.00	\$650.00
28	0710 11101	PAINTED PAVT, MARKINGS, STD, WHITE, SOLID, 6"	GM	0.344	\$1,340.00	\$460.96
29	0710 11170	PAINTED PAVT, MARKINGS, STANDARD, WHITE, ARROWS	EA	11	\$30.00	\$330.00
30	0710 11201	PAINTED PAVT, MARKINGS, STD, YELLOW, SOLID, 6"	GM	0.257	\$1,340.00	\$344.38
31	0710 90	PAINTED PAVT, MARKINGS, FINAL SURFACE	LS	1	\$1,600.00	\$1,600.00
32	0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID 12" FOR CROSSWALK AND ROUNDABOUT	LF	136	\$2.85	\$387.60
33	0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	9	\$101.00	\$909.00
34	0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.141	\$7,319.00	\$1,031.98
35	0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.103	\$7,319.00	\$753.86

BASE BID TOTAL

TOTAL AMOUNT (ITEMS 1 TO 35) \$ 174,225.87

(Figures)

One Hundred Seventy Four Thousand Two Hundred Twenty Five Dollars Eighty Seven Cents

(Use Words)

All specific cash allowances are included in the price(s) set forth above and have been computed in accordance with paragraph 11.02 of the General Conditions.

Unit prices have been computed in accordance with Paragraph 11.03.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 90 calendar days after the date when the Contract Times commence to run as provided in paragraph 2.03 of the General Conditions, and completed and ready for final payment in accordance with paragraph 14.07.B of the General Conditions within 30 calendar days from the date of substantial completion. Total contract time shall be 120 calendar days; for everyday the work goes beyond substantial completion, a day will be removed from final completion so the total days equal 120 calendar days.

6.02 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 43 15)
- B. Tabulation of Subcontractors & Suppliers (Section 00 43 35)
- C. Florida Trench Safety Act Certification (Section 00 44 55)
- D. Bidder's Qualification Statement (Section 00 45 13)
- E. Non-Collusion Affidavit (Section 00 45 19)
- F. Drug-Free Workplace Certificate (Section 00 45 20)
- G. Public Entity Crimes Statement (Section 00 45 30)
- H. Statement of Disputes, Litigation & Surety Completion (Section 00 45 35)
- I. E-Verify Affidavit of Compliance (Section 00 45 40)
- J. Certificate of Insurance (See Exhibit 1 for requirements)

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.

SUBMITTED on March 3, 20 20.

State Contractor License No. CGC1524573 / CUC1225351.

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.: _____

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): CGC, INC.
7036 W. 12th Street
Jacksonville, FL 32220

SURETY (Name and Address of Principal Place of Business): WESTERN SURETY COMPANY
151 N. Franklin Street
Chicago, IL 60606

OWNER (Name and Address): NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS
96135 Nassau Place, Suite 1
Yulee, Florida 32097

BID

Bid Due Date: March 3, 2020

Project (Brief Description Including Location): MINER ROAD WIDENING
BID NUMBER NC20-003
NASSAU COUNTY, FLORIDA

BOND

Bond Number: N/A

Date (Not later than Bid due date): March 3, 2020

Penal Sum: Five percent of the largest amount for which award 5%
can be made under (Words) the accompanying 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


SURETY

CGC, INC. (Seal)

Bidder's Name and Corporate Seal

By: 

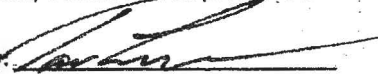
Signature and Title
Richard C. Gaskin, Jr., President

Attest: 

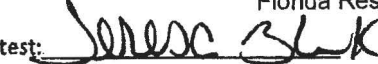
Signature and Title
Jonathan B. Barton, Witness

WESTERN SURETY COMPANY (Seal)

Surety's Name and Corporate Seal

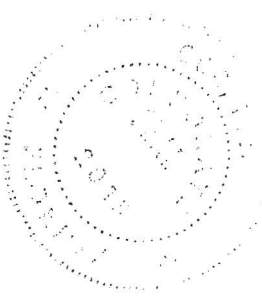
By: 

Signature and Title Tom S. Lobrano, IV
(Attach Power of Attorney) Attorney-in-Fact &
Florida Resident Agent

Attest: 

Signature and Title Teresa Blunk, Witness

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



Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Tom S Lobrano III, Tom S Lobrano IV, Mark C Fore, Geoffrey M Munn, Individually

of Jacksonville, FL, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature - In Unlimited Amounts - for any and all surety bonds and any and all consents required by the State Department of Transportation of the State of Florida, incident to the release of retained percentages and/or estimates on engineering and/or construction contracts - and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 21st day of February, 2018.



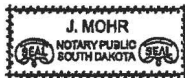
WESTERN SURETY COMPANY

Paul T. Bruflat
Paul T. Bruflat, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 21st day of February, 2018, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires
June 23, 2021



J. Mohr
J. Mohr, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 3rd day of March, 2020.



WESTERN SURETY COMPANY

L. Nelson
L. Nelson, Assistant Secretary

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 face 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 and any performance and payment bonds required by 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 due.

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.

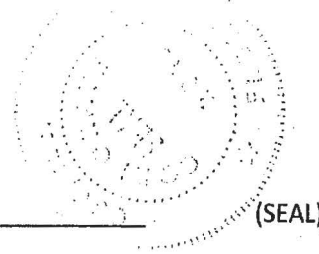
7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the Project is located.

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.

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.



A Corporation

Corporation Name: CGC, Inc. (SEAL)

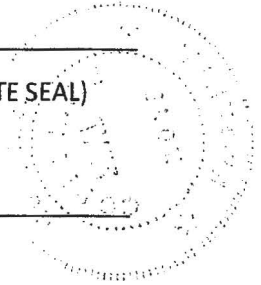
State of Incorporation: Florida

Type (General Business, Professional, Service, Limited Liability): S Corporation

By:
(Signature - attach evidence of authority to sign)

Name (typed or printed): Richard C. Gaskin, Jr.

Title: President / Secretary (CORPORATE SEAL)



Attest
Richard C. Gaskin, Vice President / Assistant Secretary
(Signature of Corporate Secretary)

Business address: 7036 W. 12th Street
Jacksonville, FL 32220

Phone No.: (904) 783-4119 Fax No.: (904) 783-3401

Date of Qualification to do business is 6/10/2015

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 - 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.)

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.

<u>SUBCONTRACTOR OR SUPPLIER AND ADDRESS</u>	<u>CLASS OF WORK OR MATERIAL</u>
1. <u>Kudzue 3 Trucking & Paving</u> <u>P.O. Box 1799, Yulee, FL. 32041</u>	<u>Asphalt & Milling</u>
2. <u>D.H. Striping, Co.</u> <u>750 Clark St., Oviedo, FL 32765</u>	<u>Pavement Marking & Signage</u>
3. <u>American Lighting and Signalization, LLC</u> <u>11639 Davis Creek Road East</u> <u>Jacksonville, FL 32256</u>	<u>Electric / Signalization</u>
4. <u>Concrete Profiles, Inc.</u> <u>3225 Anniston Road</u> <u>Jacksonville, FL 32246</u>	<u>Concrete</u>
5. <u>Forterra Pipe & Precast, LLC</u> <u>840 West Ave., Deland, FL 32720</u>	<u>Storm Drainage Material Supplier</u>
6. <u>Liberty Trucking LLC</u> <u>9678 FL-121, Lake Butler, FL 32054</u>	<u>Limerock Supplier</u>
7. _____ _____	_____

BIDDER: CGC, Inc.

By: 

Name: Richard C. Gaskin, Jr.

Title: President

Date: March 3, 2020

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:

	<u>Cost</u>
1. Trench Safety Act Compliance	\$ <u>500.00</u>
2. Special Shoring	\$ <u>N/A</u>

Identify method of compliance for Item #1: Slope excavations as required to comply with Florida Trench Safety Act.

Identify or attach a copy of Special Shoring requirements for Item #2: No special shoring required for this project.

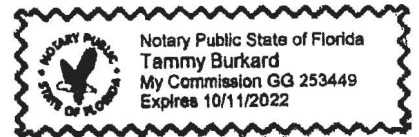
The undersigned certifies that he/she is the Contractor who will perform the trench excavation for this project, and hereby gives written assurance that Contractor will comply with the applicable trench safety standards specifically set forth in Florida's Trench Safety Act, Laws of Florida, 90-96.

BIDDER: CGC, Inc.
By: [Signature]
Name: Richard C. Gaskin, Jr.
Title: President

Sworn to and subscribed before me this 3rd day of March, 2020.

[Signature]
Notary Public Tammy Burkard

My Commission Expires: 10/11/2022



SECTION 00 45 13

STATEMENT OF BIDDER'S QUALIFICATIONS

Nassau County

To: Board of County Commissioners Project: Miner Road Widening

Date: March 3, 2020 Bid Number NC20-003

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: CGC, Inc.

Business Address: 7036 W. 12th Street

<u>Jacksonville</u>	<u>Street</u> <u>Florida</u>	<u>32220</u>
City	State	Zip Code

1. Number of years in business as a Contractor under the present: 5 Years
 Business Name CGC, Inc.
 As Principal Contractor 5 Years As a Sub-Contractor 5 Years
2. Class of work you are equipped to perform: General and Civil Construction
3. Class of work you usually sublet: Sodding, Asphalt, and Electrical
4. Have any members of your concern ever operated under any other business name?
Yes. If so, give details: The experienced employees of BGCO, Inc. were transferred to CGC, Inc. Richard C. Gaskin, Jr. is President of CGC, Inc. and Vice President of BGCO, Inc. Richard C. Gaskin, is Vice President of CGC, Inc. and President of BGCO, Inc.
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:

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:	<u>Nassau County</u>	<u>Putnam Co.</u>	<u>Duval County</u>
Project Manager:	<u>David Hearn</u>	<u>City of Palatka</u>	<u>City of Jacksonville</u>
Email:	<u>dhearn@nassaucountyfl.com</u>	<u>David F. Harris III</u>	<u>Rob Bendig, Project Manager</u>
Phone No:	<u>(904) 530-6175</u>	<u>DHarris@passero.com</u>	<u>VIA Consulting Services, Inc.</u>
Address:	<u>37356 Pea Farm Road</u>	<u>(904) 757-6106</u>	<u>rbendig@via-cs.com</u>
City, State, Zip:	<u>Hilliard, FL 32046</u>	<u>201 N. Second Street,</u>	<u>117 W. Duval Street, Suite 480</u>
Type of Work:	<u>Drainage</u>	<u>Palatka, FL 32177</u>	<u>Jacksonville 32202</u>
Contract Amt:	<u>\$140,915.00</u>	<u>Drainage</u>	<u>Huguenot Memorial Park;</u>
		<u>\$397,917.50</u>	<u>Access Road Improvements</u>
			<u>\$ 665,747.00</u>

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.	<u>Putnam County/City of Palatka</u>	<u>City of Palatka, 201 N. 2nd St.,</u>	<u>Runway & Taxiway</u>	
	<u>Palatka Municipal Airport</u>	<u>Palatka FL 32177</u>	<u>Improvements</u>	<u>\$ 883,747.00</u>
B.	<u>Duval County & St. Johns Co.</u>	<u>F.I.N.D. 1314 Marcinski Rd.</u>	<u>Shoreline</u>	
	<u>Florida Inland Navigation District</u>	<u>Jupiter, FL 33477</u>	<u>Revetment</u>	<u>\$ 1,467,747.00</u>
C.	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>\$ _____</u>
D.	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>\$ _____</u>
E.	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>\$ _____</u>

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

Florida School for the Deaf and the Blind, 207 N. San Marco Avenue, St. Augustine, FL 32084
Addison Burns, III, burnsh@fsdbk12.org, (904) 827-2371 West Perimeter Road Improvements \$1,027,380.20

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

	Name	Position	Years of Experience	Size and Type of Work
A.	<u>Richard C. Gaskin, Jr.</u>	<u>President / PM</u>	<u>8</u>	<u>Responsible for estimating and project management of civil construction company</u>
B.	<u>Richard C. Gaskin</u>	<u>Vice President</u>	<u>34</u>	<u>Responsible for estimating</u>

C.	<u>Jonathan Barton</u>	<u>Project Manager</u>	<u>8</u>	<u>Project Management responsible for all civil construction projects to \$5,000,000.00</u>
D.	<u>Mark Barton</u>	<u>General Superintendent</u>	<u>30</u>	<u>General Superintendent Responsible for all civil construction projects to \$5,000,000.00</u>
E.	<u>Roger Campbell</u>	<u>Superintendent</u>	<u>33</u>	<u>Superintendent Responsible for all civil construction projects to \$5,000,000.00</u>

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:
6/10/2015

In which state incorporated:
Florida

List name, title, and address of all officers:

	<u>Name</u>	<u>Title</u>	<u>Address</u>
(1)	<u>Richard C. Gaskin, Jr.</u>	<u>President</u>	<u>7036 W. 12th Street, Jacksonville, FL 32220</u>
(2)	<u>Richard C. Gaskin</u>	<u>Vice President</u>	<u>7036 W. 12th Street, Jacksonville, FL 32220</u>
(3)	_____	_____	_____
(4)	_____	_____	_____
(5)	_____	_____	_____

B. If a partnership, date of organization:
N/A

General, Limited, or Associated?
N/A

List name, address, and proportional interest of parties:


	<u>Name</u>	<u>Address</u>	<u>Proportional Interest</u>
(1)	<u>Richard C. Gaskin, Jr.</u> <u>President</u>	<u>7036 W. 12th Street</u> <u>Jacksonville, FL 32220</u>	<u>100%</u>
(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.

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.

CGC, Inc.

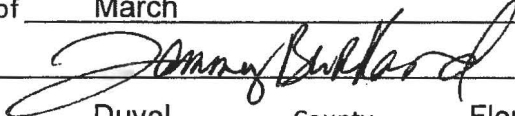
Signed


Richard C. Gaskin, Jr.

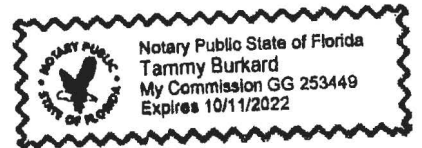
Title President

Subscribed and sworn to before me by means of X physical presence or online notarization, this 3rd

day of March , 20 20


Notary Public, Tammy Burkard
 Duval County, Florida

My Commission expires 10/11/22



SECTION 00 45 19

NONCOLLUSION AFFIDAVIT

TO: The Nassau County Board of County Commissioners, herein called the "County."

Pursuant to bidding requirements for the work titled

" Miner Road Widening
Bid Number NC20-003,"

the enclosed contract documents shall be provided to the County.

State of Florida

County of Duval

Richard C. Gaskin, Jr., being first duly sworn, deposes, and says that:

- A. He is President (officer's title) of CGC, Inc. (company name), the Bidder that has submitted the attached bid;
- B. He is fully informed respecting the preparation and contents of the attached bid and of all pertinent circumstances respecting such bid;
- C. Such bid is genuine and is not a collusive or sham bid;
- D. Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including this affiant, has in any way colluded, conspired, connived, or agreed, directly or indirectly with any other Bidder, firm, or person to submit a collusive or sham bid in connection with the contract for which the attached bid has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm, or person to fix the price or prices in the attached bid or of any other Bidder, or to fix any overhead, profit, or cost element of the bid price or the bid price of any other Bidder, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against the County or any person interested in the proposed contract; and
- E. The price or prices quoted in the attached bid are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

CGC, Inc.

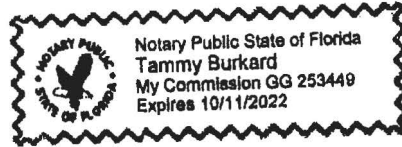
(Signed)


Richard C. Gaskin, Jr., President

Subscribed and sworn to before me by means of physical presence or
_ online notarization this 3rd day of March, 20 20.


Notary Public Tammy Burkard

10/11/2022
My commission expires



SECTION 00 45 20

DRUG FREE WORKPLACE CERTIFICATE

I, the undersigned, in accordance with Florida Statute 287.087, hereby certify that _____
CGC. 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 work place through the implementation of a drug free work place 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."

Richard C. Gaskin, Jr., President



Authorized Signature

March 3, 2020

Date Signed

State of: Florida

County of: Duval

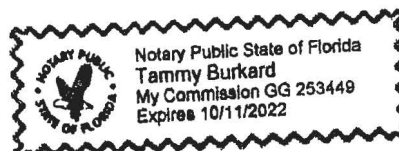
Sworn to and subscribed before me by means of physical presence or online notarization, this
3rd day of March, 2020

Personally known or Produced Identification N/A

(Specify type of Identification)



Notary Public Tammy Burkard



10/11/22

My commission expires

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 Duval

Before me, the undersigned authority, personally appeared Richard C. Gaskin, Jr., who
being by me first duly sworn, made the following statement:

1. The business address of CGC, Inc.
(firm name of Bidder/Contractor)
is 7036 W. 12th Street, Jacksonville, FL 32220

2. My relationship to CGC, Inc.
(firm name of Bidder/Contractor)
is 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.

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.)

CGC, Inc.

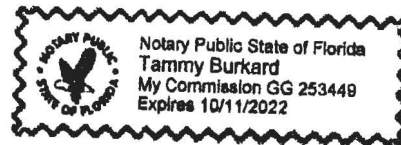


(Signature) Richard C. Gaskin, Jr., President

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 3rd

day of March , 2020.


Notary Public Tammy Burkard



(affix seal)

 10/11/22
My commission expires

SECTION 00 45 35

BIDDER'S STATEMENT OF DISPUTES, LITIGATION, ARBITRATION,
AND SURETY COMPLETION, LAST THREE (3) YEARS

<u>Project</u>	<u>Name and Address of Owner or Engineer</u>	<u>Name and Phone of Owner or Engineer Representative</u>	<u>Date of Contract</u>	<u>Amount</u>	<u>Status</u>
----------------	--	---	-----------------------------	---------------	---------------

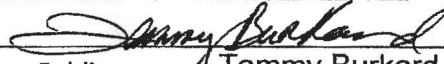
NONE

(Signed)

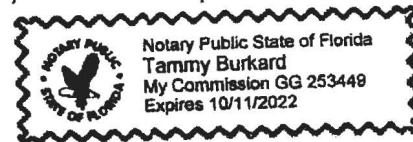


CGC, Inc.
Print Name Richard C. Gaskin, Jr., President

Subscribed and sworn to before me by means of _
physical presence or _ online notarization
this 3rd day of March, 2020

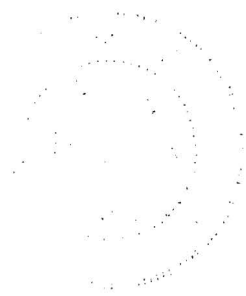

Notary Public Tammy Burkard
10/11/22

My commission expires





(seal)

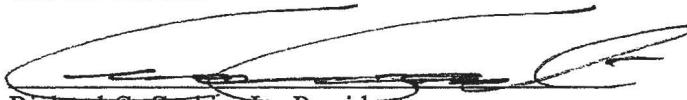


STATE OF FLORIDA
COUNTY OF DUVAL

AFFIDAVIT OF COMPLIANCE

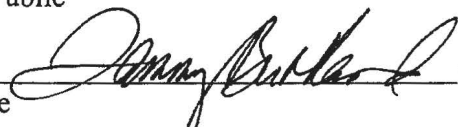
CGC, Inc. shall comply with E-Verify (Nassau County's Section 00 45 40).

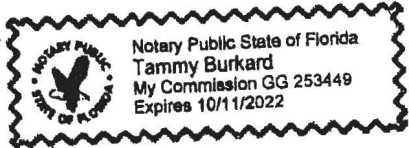
IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the corporation this 3rd day of March, 2020.


Richard C. Gaskin, Jr., President

Sworn and subscribed to me this 3rd day of March, 2020

Notary Public

Signature 



Tammy Burkard

Printed

My Commission Expires: 10/11/2022



Company ID Number: 1171537

Approved by:

Employer CGC, Inc.	
Name (Please Type or Print) Tammy Burkard	Title
Signature Electronically Signed	Date 02/16/2017
Department of Homeland Security – Verification Division	
Name (Please Type or Print) USCIS Verification Division	Title
Signature Electronically Signed	Date 02/16/2017



Welcome
Tammy Burkard

≡ MENU

Company Information

Company Name

CGC, Inc.

Company ID Number

1171537

Doing Business As (DBA) Name

--

DUNS Number

090136554

Physical Location

Address 1

7036 W. 12th Street

Address 2

--

City

Jacksonville

State

FL

Zip Code

32220

County

DUVAL

Mailing Address

Address 1

--

Address 2

--

City

--

State

--

Zip Code

--

Additional Information

Total Number of Employees

10 to 19

Parent Organization

--

Administrator

--

Organization Designation

Employer Category

Federal Contractor without FAR E-Verify Clause

[View / Edit](#)

NAICS Code

237 - HEAVY AND CIVIL ENGINEERING CONSTRUCTION

[View / Edit](#)

Total Hiring Sites

1

[View / Edit](#)

Total Points of Contact

2

[View / Edit](#)

[View Original MOU Template](#)

[View MOU](#)



Last Login: 03/03/2020 11:01 AM

U.S. Department of Homeland Security

U.S. Citizenship and Immigration Services

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
12/26/2019

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 GHG Insurance 1000 Riverside Ave., Suite 500 Jacksonville FL 32204	CONTACT NAME: Missy Amos PHONE (A/C No. Ext): 904-421-8600 FAX (A/C No): 904-421-8601 E-MAIL ADDRESS: mamos@ghgins.com	
	INSURER(S) AFFORDING COVERAGE	
INSURED CGC Inc. 7036 West 12th Street Jacksonville FL 32220	INSURER A : Westfield Insurance Group	
	INSURER B : FCCI Insurance Group	
	INSURER c : Westchester Surplus Lines Insurance Company	
	INSURER D :	
	INSURER E :	

COVERAGES **CERTIFICATE NUMBER:** 918179326 **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
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:			CWP5147175	12/31/2019	12/31/2020	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 150,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	<input type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			CWP5147175	12/31/2019	12/31/2020	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			CWP5147175	12/31/2019	12/31/2020	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000 \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	001WC20A75788	1/1/2020	1/1/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A C	Leased/Rented Equipment Installation Floater Pollution Liability			CWP5147175 G71754157001	12/31/2019 10/28/2019	12/31/2020 10/28/2020	\$250,000 \$200,000 \$1,000,000/\$2,000,000 \$1,000 Ded, ACV \$500 Ded \$5,000 Ded

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER **CANCELLATION**

Nassau County Board of County Commissioners
96135 Nassau Place, Suite 6
Yulee, FL 32097

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
Air B. Per



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, 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

GASKIN, RICHARD CANNON JR

CGC INC
7036 W 12TH ST
JACKSONVILLE FL 32220

LICENSE NUMBER: CGC1524573

EXPIRATION DATE: AUGUST 31, 2020

Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, 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

GASKIN, RICHARD CANNON JR

CGC INC
4260 MCGIRTS BLVD
JACKSONVILLE FL 32210

LICENSE NUMBER: CUC1225351

EXPIRATION DATE: AUGUST 31, 2020

Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.



2019-2020 LOCAL BUSINESS TAX RECEIPT

JIM OVERTON, DUVAL COUNTY TAX COLLECTOR

231 E. Forsyth Street, Suite 130, Jacksonville, FL 32202-3370

Phone: (904) 630-1916, option 3 Fax: (904) 630-1432

www.duvaltaxcollect.net taxcollector@coj.net

Note – A penalty is imposed for failure to keep this receipt exhibited conspicuously at your place of business. This business tax receipt is furnished pursuant to Municipal Ordinance Code, Chapters 770-772, for the period October 1, 2019 through September 30, 2020.

CGC, INC
RICHARD C GASKIN JR
7036 W 12TH ST
JACKSONVILLE, FL 32220

ACCOUNT NUMBER: 273299
BUSINESS NAME: CGC, INC
PHYSICAL ADDRESS: 7036 W 12TH ST
JACKSONVILLE, FL 32220

CLASSIFICATION CODE: 307001 - CONTRACTOR- ALL TYPES

STATE LICENSE NO: CGC1524573

COUNTY TAX: 11.25
MUNICIPAL TAX: 36.25
TOTAL TAX: 47.50

VALID UNTIL September 30, 2020

*****ATTENTION*****

THIS RECEIPT IS FOR BUSINESS TAX RECEIPT ONLY.
CERTAIN BUSINESSES MAY REQUIRE ADDITIONAL STATE LICENSING.

This is a business tax receipt only. It does not permit the receipt holder to violate any existing regulatory or zoning laws of the County or City. It does not exempt the receipt holder from any other license or permit required by law. This is not a certification of the receipt holder's qualifications.

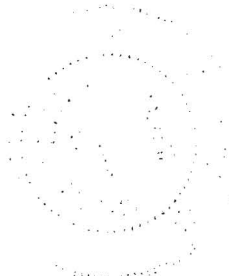
JIM OVERTON, TAX COLLECTOR

THIS BECOMES A RECEIPT AFTER VALIDATION.

PAID-4141374.0001-0001 Y02 07/25/2019 47.50



CIVIL | GENERAL



STATE OF FLORIDA
COUNTY OF DUVAL

(seal)

I HEREBY CERTIFY

THAT Richard C. Gaskin, Jr., is President/Secretary of CGC, Inc., located at 7036 W 12th St., Jacksonville, FL 32220 and he is hereby authorized to execute the Bid Documents dated, March 3, 2020, and that his execution thereof, attested by the Vice President/Assistant Secretary of the corporation and with corporate seal affixed, shall be the official act and deed of this corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the corporation this 3rd day of March, 2020.

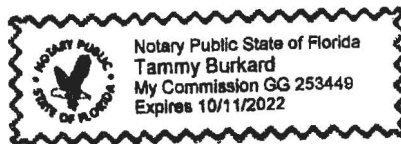
Richard C. Gaskin, Vice President/Assistant Secretary

Sworn and subscribed to me this 3rd day of March, 2020

Notary Public

Signature

Tammy Burkard
Printed



My Commission Expires: 10/11/2022

SECTION 00 61 15

PERFORMANCE BOND

Bond No: 30102515

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

CONTRACTOR (Name and Address):

Business):

CGC, INC.

7036 W 12th Street

Jacksonville, Florida 32220

SURETY (Name and Address of Principal Place of

WESTERN SURETY COMPANY

151 N. Franklin Street

Chicago, Illinois 60606

OWNER (Name and Address):

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS

96135 Nassau Place Suite 6

Yulee, Florida 32097

CONTRACT

Effective Date of Agreement: May 11, 2020

Amount: ONE HUNDRED SEVENTY FOUR THOUSAND TWO HUNDRED TWENTY FIVE AND 87/100 DOLLARS
(\$174,225.87)

Description (Name and Location):

MINER ROAD WIDENING

BID NUMBER NC20-003

Nassau County, Florida

BOND

Bond Number: 30102515

Date (Not earlier than Effective Date of Agreement): May 15, 2020

Amount: ONE HUNDRED SEVENTY FOUR THOUSAND TWO HUNDRED TWENTY FIVE AND 87/100 DOLLARS
(\$174,225.87)

Modifications to this Bond Form: N/A



CERTIFIED TRUE COPY

John A. Crawford, Ex-Officio Clerk

by Brenda K. Amville, D.C.

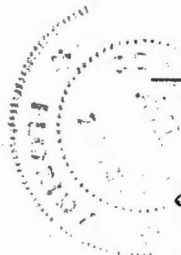
Clerk of the Board of County Comm.

Nassau County, Florida

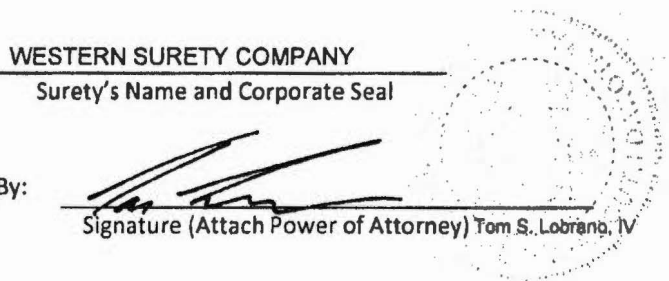
Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Performance Bond to be duly executed by an authorized officer, agent, or representative.

CONTRACTOR AS PRINCIPAL

SURETY



(Seal) CGC, INC.
Contractor's Name and Corporate Seal



WESTERN SURETY COMPANY
Surety's Name and Corporate Seal

By: [Signature]
Signature Richard C. Gaskin, Jr.

By: [Signature]
Signature (Attach Power of Attorney) Tom S. Lobrano, IV

Richard C. Gaskin, Jr.
Print Name

Tom S. Lobrano, IV
Print Name

President
Title

Attorney-in-Fact & Florida Resident Agent
Title

Attest: [Signature]
Signature
Jonathan B. Barton
Witness
Title

Attest: [Signature]
Signature
Lauren Ercey
Witness
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.

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 Paragraph 3.1.
3. If there is no the County 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 Paragraph 3.1; 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 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.

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 be 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 herefrom 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: Construction Underwriters, Inc.
4188 Southpoint Parkway, Suite 305, Jacksonville, Florida 32218
(904) 298-3331

Owner's Representative *(Engineer or other party)*:
Engineer: Civil Services, Inc.

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Tom S Lobrano III, Tom S Lobrano IV, Mark C Fore, Geoffrey M Munn, Individually

of Jacksonville, FL, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 9th day of February, 2018.

State of South Dakota }
County of Minnehaha } ss



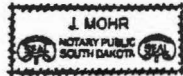
WESTERN SURETY COMPANY

Paul T. Bruflat
Paul T. Bruflat, Vice President

On this 9th day of February, 2018, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority; and acknowledges same to be the act and deed of said corporation.

My commission expires

June 23, 2021



J. Mohr
J. Mohr, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 15th day of May, 2020



WESTERN SURETY COMPANY

L. Nelson
L. Nelson, Assistant Secretary

Authorizing By-Law

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

SECTION 00 61 16

PAYMENT BOND

Bond No. 30102515

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

CONTRACTOR (Name and Address): CGC, INC.

7036 W. 12th Street, Jacksonville, Florida 32220

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

151 N. Franklin Street, Chicago, Illinois 60606

OWNER (Name and Address): NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS

96135 Nassau Place Suite 6, Yulee, Florida 32097

CONTRACT

Effective Date of Agreement: May 11, 2020

Amount: ONE HUNDRED SEVENTY FOUR THOUSAND TWO HUNDRED TWENTY FIVE AND 87/100 DOLLARS
(\$174,225.87)

Description (Name and Location):

MINER ROAD WIDENING

BID NUMBER NC20-003

BOND

Nassau County, Florida

Bond Number: 30102515

Date (Not earlier than Effective Date of Agreement): May 15, 2020

Amount: ONE HUNDRED SEVENTY FOUR THOUSAND TWO HUNDRED TWENTY FIVE AND 87/100 DOLLARS
(\$174,225.87)

Modifications to this Bond Form: N/A



CERTIFIED TRUE COPY

John A. Crawford, Ex-Officio Clerk

By: Brandon K. D. Merrill, D.C.

Clerk of the Board of County Comm.

Nassau County, Florida


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

CGC, INC. (Seal)
Contractor's Name and Corporate Seal

WESTERN SURETY COMPANY (Seal)
Surety's Name and Corporate Seal

By: 
Signature Richard C. Gaskin, Jr.

By: 
Signature (Attach Power of Attorney) Tom S. Lobrano, IV

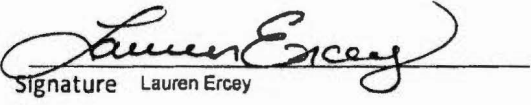
Richard C. Gaskin, Jr.
Print Name

Tom S. Lobrano, IV
Print Name

President
Title

Attorney-in-Fact & Florida Resident Agent
Title

Attest: 
Signature

Attest: 
Signature Lauren Ercey

Jonathan B. Barbon
Witness
Title

Witness
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.

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, 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.
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 herefrom 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:

Construction Underwriters, Inc.
4168 Southpoint Parkway, Suite 305
Jacksonville, Florida 32216
(904) 296-3331

Owner's Representative (*Engineer or other party*): Engineer: Civil Services, Inc.

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Tom S Lobrano III, Tom S Lobrano IV, Mark C Fore, Geoffrey M Munn, Individually

of Jacksonville, FL, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 9th day of February, 2018.

WESTERN SURETY COMPANY



Paul T. Bruflat
Paul T. Bruflat, Vice President

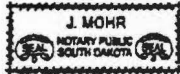
State of South Dakota }
County of Minnehaha }

ss

On this 9th day of February, 2018, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

June 23, 2021



J. Mohr
J. Mohr, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 15th day of May, 2020



WESTERN SURETY COMPANY

L. Nelson
L. Nelson, Assistant Secretary

Authorizing By-Law

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.