

CS-23-321

CM3465

AGREEMENT

THIS AGREEMENT is made by and between the **BOARD OF COUNTY COMMISSIONERS OF NASSAU COUNTY, FLORIDA** (the “County”), a political subdivision of the State of Florida, and **MATOVINA & COMPANY**, a Florida Profit Corporation (the “Developer”).

WITNESSETH:

WHEREAS, the County has determined that certain intersection improvements at William Burgess Boulevard and Harts Road including a roundabout are necessary and should be constructed, the scope of the project is set forth more fully in Section 2 hereinbelow (the “Project”); and

WHEREAS, the Developer has proposed to furnish all labor, materials and professional services for the design, permitting and construction of the Project including all necessary surveying, engineering, mitigation of jurisdictional wetlands, replacement of unsuitable soils, construction of the road and related sidewalks, drainage, directional signage, maintenance of traffic facilities, landscaping, and sodding (collectively, the “Improvements”); and

WHEREAS, all land and temporary construction easements required for the roundabout will be donated to the County by the Developer prior to commencement of construction of the Project, and the Developer has proposed to complete the Improvements pursuant to the terms contained in this Agreement; and

WHEREAS, the parties recognize that the Developer can provide for expedited construction in a more cost effective manner; and

WHEREAS, the County has the authority under Section 336.71, Florida Statutes, “Public-private cooperation in construction of county roads,” to enter into an agreement with a private entity to pay for the construction, extension or improvement of a county road or portion thereof from public funds; and

WHEREAS, the Developer has provided to the County a copy of an estimate from a roadway contractor who is willing to contract to complete the improvements; and

WHEREAS, the estimate has been reviewed by the County Engineering Department which has found the estimate to be a reasonable estimate of said construction; and

WHEREAS, the Deputy County Manager / County Engineer will review all plans and construction contracts to ensure that the construction of the roundabout meets and exceeds all County requirements; and

WHEREAS, pursuant to the requirements of Section 336.71, Florida Statutes, the Nassau County Board of County Commissioners has conducted a noticed public hearing and finds that: (1) the Project is in the best interest of the public; (2) the Project will only use County funds for portions of the Project that will be part of the County road system; (3) the Project has adequate safeguards to ensure that additional costs or unreasonable service disruptions are not realized by the traveling public and citizens of the state; (4) upon completion, the Project will be a part of the County road system owned by the County; and (5) the Project will result in a financial benefit to the public by completing the Project at a cost to the public significantly lower than if the Project were constructed by the County using the normal procurement process.

WHEREAS, the Developer has already contributed to the County, in cash and through payment of design, surveying and permitting costs, the amount of Four Hundred Two Thousand and NO/100 Dollars (\$402,000.00), pursuant to the requirements of PUD zoning R18-016 and has satisfied the requirements for Developer's financial contribution to the Project.

NOW, THEREFORE, in consideration of the mutual covenants contained in this Agreement and other valuable consideration, the County and the Developer agree as follows:

Section 1. Recitals and Findings.

1.1 Recitals and findings incorporated. The foregoing recitals and findings are true and correct and are incorporated into this Agreement by this reference and shall be deemed to have the same force and effect as if fully set forth herein.

Section 2. Scope of Project.

2.1 Authorization. The County hereby authorizes the Developer to complete the Project and the Developer agrees to do so subject to the terms and conditions of this Agreement including the reimbursement of the Project costs by the County to the Developer.

2.2 Design. The Developer has caused the Improvements to be designed by an engineer (the "Engineer") which design includes such surveying, testing and inspections of the Project as the Developer or its Engineer deem necessary for the Project's design. The Developer has selected J Lucas and Associates, Inc., as its Engineer for the Project. The Developer may designate other or additional Engineers for the Project by written notice to the County. The Engineer has produced the plans and specifications for the Project listed in the attached Exhibit A (collectively, the "Plans"), which are consistent with the County's Roadway and Drainage Standards, Appendix D, Ordinance No. 99-17, and the State of Florida Department of Transportation ("FDOT") Standard Specifications for Road and Bridge Construction (collectively, the "Standards"), and have been approved by the County. The Plans may thereafter be modified by the Developer with the County's written approval, which approval shall not be unreasonably withheld, conditioned or delayed so long as the modifications are (i) generally consistent with the design shown in Exhibit

A, (ii) are in compliance with the Standards and (iii) do not materially increase the County's cost of maintaining the Project upon its completion.

2.3 Permits. The Developer has obtained all necessary governmental approvals and permits (collectively the "Permits") but the County approval for the Project has expired. The County shall be solely responsible for the required approval of the Plans by the County prior to Developer beginning construction of the Project. In addition, the County shall be responsible for waiver or payment of all inspection, permitting and other fees required for the County approval of the Plans and the commencement of the Project. Prior to the commencement of the construction of the Project, the Developer shall provide, directly or through one or more of its contractors (each, a "Contractor"), payment and performance bond(s) (collectively, the "Bond") to and in favor of the County issued by a surety or sureties licensed in the State of Florida (collectively, the "Surety") in the aggregate amount of the total Final Project Cost to be paid to the Contractors as defined in Section 3 hereinbelow, meeting all applicable legal requirements for such bonds, and conditioned upon (i) the complete and proper construction of the Improvements in accordance with this Agreement, and (ii) the payment in full of all Contractors, subcontractors, suppliers and others (each, a "Claimant") furnishing labor, services or materials for the completion of the Project.

2.4 Construction. The Developer shall cause the Improvements to be constructed in a good and workmanlike manner in accordance with the Plans and Permits. In addition to its normal construction inspection procedures, the County may engage at the County's expense a construction engineering inspector (the "CEI") who may inspect the construction of the Improvements (the "Work") at any time and shall receive from the Developer advance notice of all third-party inspections and tests, plus copies of all certifications and test reports prepared by third parties as required by the Plans and Standards. The CEI shall also receive advance notice and have the right to attend preconstruction and progress meetings between the Developer and its Contractors. The Deputy County Manager / County Engineer (the "County Representative") shall be authorized to stop Work at any time if it is determined that the Improvements have not been constructed according to the Plans and Standards. The Developer or its Contractors shall be responsible for preparing and executing appropriate maintenance of traffic, temporary roadway construction for detours, and storm water pollution prevention plans for the Project.

2.5 Completion Schedule. The Project shall be completed by the Developer within twelve (12) months after the issuance of the Permits in accordance with a Project schedule to be proposed by the Developer and approved by the Engineer and the County prior to the commencement of the Improvements (the "Completion Schedule"), subject to adjustment as set forth below. The County shall not unreasonably withhold, condition or delay its approval of the Completion Schedule, or any subsequent revisions of the Completion Schedule proposed by the Developer on a day-for-day basis caused by (i) the lack of necessary temporary construction easements, (ii) interference by third parties beyond the Developer's control (*i.e.*, third parties other than the Contractor, subcontractors, or their vendors or suppliers), or (iii) the effects of rain or other inclement weather conditions, or adverse soil conditions related to such rains or other inclement weather conditions, that prevent the Contractor from productively performing controlling items of Work resulting in

the Contractor being unable to work at least fifty percent (50%) of the normal work day on predetermined controlling Work items due to such adverse weather conditions (collectively, "Excusable Delays"). No additional compensation or increase in the Reimbursement, as defined in Section 3 hereinbelow, by the County to Developer will be made for Excusable Delays. Proposed revisions of the Completion Schedule shall be submitted monthly by the Developer to the County Representative and CEI, if and to the extent Excusable Delays are encountered. The Developer shall establish the working hours for its Contractors based on the Completion Schedule after coordination with the County Representative to minimize disruptions to traffic.

Section 3. Project Cost; Developer's Share of Cost; Payment Schedule.

3.1 Project Cost; Developer's Share of Cost. The estimated cost of the Project is One Million Six Hundred Thousand Dollars (\$1,600,000.00) (the "Estimated Cost"). The parties agree that the Developer will be rebidding the Project and that the estimated cost of the Project may increase or decrease depending on the ultimate bid award (the "Final Project Cost"). If the Final Project Cost exceeds One Million Six Hundred Thousand Dollars (\$1,600,000.00) then the parties agree to amend this Agreement to reflect the actual Final Project Cost. Notwithstanding the rebidding of the Project and the Final Project Cost, the parties agree that the Developer's share of the Final Project Cost shall be Four Hundred Two Thousand Dollars (\$402,000.00) (the "Developer's Share of Cost") and that the Developer has already paid its cost through the non refundable payment of cash to the County and the payment of Design and Permitting costs associated with the Project. The County further agrees that the County shall be responsible and shall reimburse Developer for all costs of the Project (the "County Reimbursement"). The Final Project Cost shall include the cost for construction, project supervision, services provided by the Engineer during and after construction and any other direct costs incurred to complete the Project by Developer.

3.2 Payment Schedule. The Payment Schedule for the reimbursement of Developer by the County shall made as follows:

- 3.2.1 Schedule of Values.** Before the Developer submits its first draw request to the County for payment, the Developer shall provide a schedule of values to the Engineer and the County prepared in such form and supported by such data to substantiate its accuracy as the County may reasonably require. This Schedule of Values shall be subject to the County's approval, which shall not be unreasonably withheld, conditioned or delayed, and it shall thereafter be used as the basis for reviewing the Developer's draw requests for progress payments and final payment of the County Reimbursement.
- 3.2.2 Draw Requests.** On or before the first day of each calendar month (or at such other date of the month as the parties may hereafter agree), the Developer shall submit to the Engineer and to the County Representative or designee an itemized request for such payment (each, a "Draw") prepared

in accordance with the Schedule of Values for those portions of the Project which are then complete. The Draw shall be supported by such data substantiating the Developer's right to payment as the County may reasonably require, including copies of requisitions from the Developer's Contractors, suppliers, the Engineer, project managers, surveyors and other vendors employed by the Developer for the completion of the Project and it shall reflect a retainage of five percent (5%) for payments to Contractors until "Substantial Completion" is certified as described in Section 3.2.10 below.

3.2.3 *Materials and Equipment.* Payment shall be made to the Developer on account of materials and equipment delivered and suitably stored at the Project site for subsequent incorporation into the Improvements.

3.2.4 *Title to Improvements.* In each Draw request, the Developer shall warrant that title to all Improvements covered by that Draw shall pass to the County no later than the time of payment of the Draw. The Developer shall comply with all applicable laws regarding proper payments to the Claimants providing labor, services or materials for the construction of the Improvements, and the Bond shall secure such obligations.

3.2.5 *Certificate for Payment.* The Engineer, with the concurrence of the CEI, shall, within seven (7) days after receipt of a Draw request, either issue to the County a "Certificate for Payment," with a copy to the Developer, for such amount as the Engineer determines is properly due, or notify the Developer and County in writing of the Engineer's reasons for withholding certification in whole or in part as provided in Section 3.2.6 below. The issuance of a Certificate of Payment will constitute a representation by the Engineer to the County, based on the Engineer's evaluation of the Work and the data accompanying the Draw request, that to the best of the Engineer's knowledge, information and belief, the Work has progressed to the point indicated and that the quality of the Work is in accordance with the Plans and Standards. The foregoing representations are subject to an evaluation of the Work for conformance with the Plans upon Substantial Completion (*i.e.*, the stage at which the Work can be legally and practically used for its intended purpose), to the results of subsequent tests and inspections, to correction of minor deviations from the Plans prior to final completion, and to specific qualifications expressed by the Engineer. The issuance of a Certificate for Payment will further constitute a representation that the Developer is entitled to payment in the amount certified.

3.2.6 *Withholding Certification.* The Engineer, with the concurrence of the CEI, may withhold a Certificate for Payment in whole or in part, to the extent

reasonably necessary to protect the County, if in the Engineer's opinion the representations to the County required by Section 3.2.5 hereinabove cannot be substantiated. If the Engineer is unable to certify payment in the amount of the Draw request, the Engineer will notify the Developer and County as provided in Section 3.2.5 above. If the Developer and Engineer, with the concurrence of the CEI, cannot agree on a revised amount, the Engineer, with the concurrence of the CEI, will promptly issue a Certificate for Payment for the amount for which the Engineer is able to make such representations to the County. The Engineer may also withhold a Certificate for Payment or, because of subsequently discovered evidence, may nullify the whole or a part of a Certificate for Payment previously issued, to such extent as may be necessary in the Engineer's opinion to protect the County from loss for which the Developer is responsible because of defective Work not remedied. When the reason for withholding certification is removed, a Certificate for Payment will be issued by the Engineer, with the concurrence of the CEI, for amount previously withheld.

- 3.2.7 *Payment by County.*** Once the Engineer, with the concurrence of the CEI, has issued a Certificate for Payment, it shall be transmitted to the County Representative for payment within the time required by the Florida Local Government Prompt Payment Act, Section 218.70, Florida Statutes. The County Manager or designee shall process the approved Draw request for payment by the County as customary, and shall notify the Engineer when it is paid.
- 3.2.8 *Nonconforming Work.*** The issuance of a Certificate for Payment by the Engineer, the payment of a Draw by the County, or the partial or entire use or occupancy of the Improvements by the County shall not constitute acceptance of any Work that is not in conformance with the Plans and Standards as determined by the Engineer.
- 3.2.9 *Nonpayment.*** If the Engineer does not issue a Certificate for Payment through no fault of the Developer within seven (7) days after receipt of the Draw request, or if the County does not pay the Developer the amount certified by the Engineer within seven (7) days after the date established in this Agreement, then the Developer may, upon seven (7) additional days' written notice to the County and Engineer, stop the Work until payment of the amount owing has been received. In that event, the Completion Schedule shall be extended appropriately, and the County's Reimbursement shall be increased by the amount of the Developer's expenses or damage directly attributable to stopping the Work as permitted by this Section.

3.2.10 *Substantial Completion.* When the Developer considers the Work to be substantially complete, the County or its designee, with input from the Developer, shall promptly prepare and submit to the Engineer a comprehensive punch list of items to be completed or corrected prior to final payment. Failure to include an item on such list does not alter the responsibility of the Developer to complete all Work in accordance with the Plans. Upon receipt of the County's punch list, the Engineer and CEI will make an inspection to determine whether the Work or designated portion thereof is substantially complete. If the inspection discloses any item, whether or not included on the Developer's list, which is not sufficiently complete in accordance with the Plans so that the County can use the Work for its intended purpose, the Developer shall, before issuance of a Certificate of Substantial Completion, complete or correct such item upon notification by the Engineer or CEI. In that case, the Developer shall then submit a request for another inspection to determine Substantial Completion once the deficient item has been completed or corrected.

3.2.11 *Certificate of Substantial Completion.* When the Work is substantially complete, the Engineer, with the concurrence of the CEI, will prepare a Certificate of Substantial Completion that shall establish the date of Substantial Completion and shall fix the time within which the Developer shall finish all items on the punch list accompanying the Certificate of Substantial Completion. Warranties required by this Agreement shall commence on the date of Substantial Completion of the Work or designated portion thereof unless otherwise provided in the Certificate of Substantial Completion. The Certificate of Substantial Completion shall be submitted to the County and the Developer for their written acceptance, which shall not be unreasonably withheld, delayed or conditioned. Upon acceptance by the County of the Certificate of Substantial Completion and receipt of consent of the surety issuing the Bond, the County shall make payment of the remainder of the County's Reimbursement, , applying to such accepted items of Work. Such payment shall be adjusted for Work that is still incomplete or not in accordance with the requirements of the Plans, which shall be retained until such items of Work are finally completed and accepted.

3.2.12 *Final Completion.* The Developer shall fully and finally complete the Work within sixty (60) days after the acceptance of the Certificate of Substantial Completion by the County, subject to Excusable Delays. Upon receipt of the Developer's written notice that the Work is ready for final inspection and acceptance, accompanied by the Developer's final Draw request, the Engineer and CEI shall promptly inspect the Work and, when the Engineer, with the concurrence of the CEI, finds the Work acceptable

under the Plans and the Standards, the Engineer shall promptly issue a final Certificate for Payment stating that to the best of the Engineer's knowledge, information and belief, and on the basis of the Engineer's on-site visits and inspections, the Work has been completed in accordance with terms and conditions of this Agreement, the Plans and the Standards, and that the entire remaining balance of the County's Reimbursement is then due and payable to the Developer ("Final Completion"). The final Draw including retainage shall not be paid by the County until (i) the Developer submits to the Engineer the consent of the surety which issued the Bond and the close-out documents required by Section 5.1 hereinbelow, and (ii) the Nassau County Board of County Commissioners has authorized acceptance of the Work.

Section 4. Project Coordination; Notices.

4.1 Project Coordination; Notices. Prior to commencement of the Work, the County and the Developer shall designate in writing the individuals to whom all official notices and demands should be delivered under this Agreement, which designations may be changed from time to time by notice to the other party in writing. All such official notices and demands shall be delivered to the person(s) and address(es) designated by the receiving party in accordance with the preceding sentence, either by hand delivery or by recognized courier such as Federal Express or UPS, with a written receipt evidencing delivery, and such notice shall be effective upon receipt. In addition, the parties agree to designate from time to time, by official written notice, the individuals who are authorized to represent the parties and supervise or coordinate the Project on a day-to-day basis consistent with the terms of this Agreement.

Section 5. Project Close Out.

5.1 Project Close-out. Upon Final Completion of the Work, as a condition of the final Draw request, the Developer shall provide to the County, subject to the County's reasonable approval and acceptance, the following:

- 5.1.1 As-Builts.** The Developer shall cause a complete set of as-built Plans which shall be certified by the Engineer, together with copies of all approved shop drawings and other required maintenance and operation manuals and certifications to be provided to the County Representative, in such form and detail as the County customarily requires for similar work within County rights-of-way.
- 5.1.2 Easements.** The Developer shall prepare a nonexclusive easement agreement in favor of the County as indicated in the plans for the purpose of providing temporary traffic control and detour routes

prior to the commencement of construction of the Project. All such easement agreements shall be subject to approval by the County Attorney and execution or joinder by the Developer and the County, as appropriate. Upon approval of the final Certificate for Payment and acceptance of the close-out documents required by this Section, the County shall be responsible for the maintenance and operation of all Improvements within the Roundabout except (i) as otherwise expressly provided in the foregoing easements, and (ii) warranty repairs to be performed by the Developer or Contractors on account of defective Work as described in Section 5.1.3 hereinbelow.

5.1.3 Warranty. Notwithstanding anything to the contrary in Section 5.1.2 hereinabove, the Developer shall provide directly or through one or more of its Contractors a maintenance bond or bonds to and in favor of the County in the aggregate amount of fifteen percent (15%) of the final construction value of the Improvements, in a form customarily required for such bonds, and conditioned to protect the County against defective workmanship or materials in the Improvements for a period of twenty-six (26) months from the date the Improvements are placed in service by the County. Alternatively, the Developer may provide such other comparable assurances as the County may reasonably and customarily accept for similar work within County rights-of-way.

Section 6. Disputes.

6.1 Disputes. Any dispute arising under this Agreement shall be addressed by the representatives of the County and the Developer in the following manner:

6.1.1 Written Statements. A general statement of the dispute shall be set forth in writing and sent to those individuals as identified in Section 4.1 above, with copies to the Developer, the County Manager, the County Representative and the Engineer. The recipient of any notice hereunder shall provide a prompt written response in the same manner prior to any meetings of representatives of the parties.

6.1.2 Initial Meeting. Upon completion of the requirements of Section 6.1.1 above, an initial meeting shall be held with representatives of the County Manager, the County Representative, the Developer and the Engineer. If the dispute is not settled at that stage, the County Attorney shall be notified in writing by the County Manager or his designee.

6.1.3 Subsequent Meetings; Mediation. Upon completion of the requirements of Section 6.1.1 and Section 6.1.2 hereinabove, the County Attorney,

County Manager and County Representative or their designee(s) shall meet with the Developer's representatives within ten (10) days of notification by the County Manager. If there is still no satisfactory resolution of the dispute, it shall be submitted to mediation in accordance with mediation rules established by the Florida Supreme Court. A Mediator shall be chosen by the County and the cost of mediation shall be borne by the Developer. No litigation shall be initiated unless and until the procedures set forth herein are followed.

6.1.4 *Work to Continue.* No Work shall cease during a dispute unless the County directs in writing that Work shall cease pending resolution of the dispute, unless the dispute results from nonpayment of an approved Draw.

6.1.5 *Termination by County.* Provided the County has first complied with the terms of this section ("Disputes"), the occurrence of any one or more of the following events shall justify termination of this Agreement by the County for cause:

6.1.5.1 The Developer's persistent failure to perform the Work in accordance with the Plans and this Agreement (including but not limited to failure to adhere to the Completion Schedule as adjusted from time to time pursuant to this Agreement);

6.1.5.2 The Developer's disregard of applicable laws or regulations of any public body having jurisdiction over the Work;

6.1.5.3 The Developer's repeated disregard of the authority of the Engineer;
or

6.1.5.4 The Developer's violation in any substantial way of any provisions of the Plans or this Agreement.

6.1.6 *Termination Procedures.* If one or more of the events identified in this Section should occur, the County may, after giving the Developer and Surety seven (7) days' written notice of its intent to do so, terminate this Agreement and cause the Surety to complete the Work pursuant to the terms of the Bond. Notwithstanding the foregoing, this Agreement shall not be terminated if the Developer begins, within seven (7) days of receipt of the County's notice of intent to terminate, to correct its failure to perform and thereafter proceeds diligently to cure such failure within no more than thirty (30) days of receipt of said notice. The termination procedures of the Bond shall supersede the provisions of this Section.

Section 7. Indemnity and Insurance.

7.1 Indemnification. The Developer shall indemnify and hold the County and its officers, attorneys, agents and employees harmless from liability, damage, loss and costs, including but not limited to reasonable attorneys' fees, to the extent caused by the negligence or wrongful conduct of the Developer or any persons employed or engaged by the Developer in the performance of this Agreement. .

7.2 Insurance. Prior to commencement of the Work, the Developer shall provide, directly or through one or more of its Contractors, certificates of general liability and workers compensation insurance in favor of the County in the amounts set by the County for the performance of such work in County rights-of-way and meeting all applicable legal requirements for such insurance policies.

Section 8. Entire Agreement; Modifications.


8.1 Entire Agreement; Modifications. This Agreement constitutes the entire understanding of the parties with respect to the Project and the County's Reimbursement. No amendment, modification or change to this Agreement shall be binding unless in writing, signed by both parties.

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EXHIBIT A

ROUNDAABOUT AT NASSAU CROSSING

Nassau County, Florida FOR PATRIOT RIDGE, LLP.




























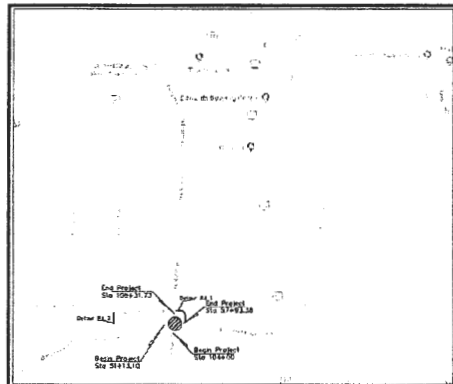
PLANS APPROVED
Development Services

William Burgess Roundabout
Cabe Porter 5/5/2023

APPROVAL DOES NOT CONSTITUTE APPROVAL TO VIOLATE ANY ADOPTED FEDERAL, STATE, OR LOCAL LAW, CODE OR ORDINANCE.

12443 SAN JOSE BLVD, SUITE 504
JACKSONVILLE FLORIDA 32223
904-292-0778

LEGEND	
	EXISTING WATER MAIN
	EXISTING SANITARY SEWER
	EXISTING FORCE MAIN
	PROPOSED SANITARY SEWER SYSTEM
	FORCE MAIN
	DRAINAGE PIPE
	DRAINAGE DIVIDE LINE
	RIGHT-OF-WAY LINE
	SALT FENCE
	EXISTING CENTERLINE
	EXISTING ROADWAY
	EXISTING POWER POLE
	PROPOSED ROADWAY
	SEWER MANHOLE LABEL
	PROPOSED FIRE HYDRANT
	EXISTING FIRE HYDRANT
	GATE VALVE
	REDUCER
	DRAINAGE AREA LABEL
	HAY BALES
	CATCH BASIN/URB PALET
	DRAINAGE MANHOLE
	WETTED OIL SECTION
	DRAINAGE PIPE LABEL
	DRAINAGE STRUCTURE LABEL



Location Map

NOVEMBER 2021
PROJECT NUMBER: 1710-1

ROUNDAABOUT LIST OF SHEETS

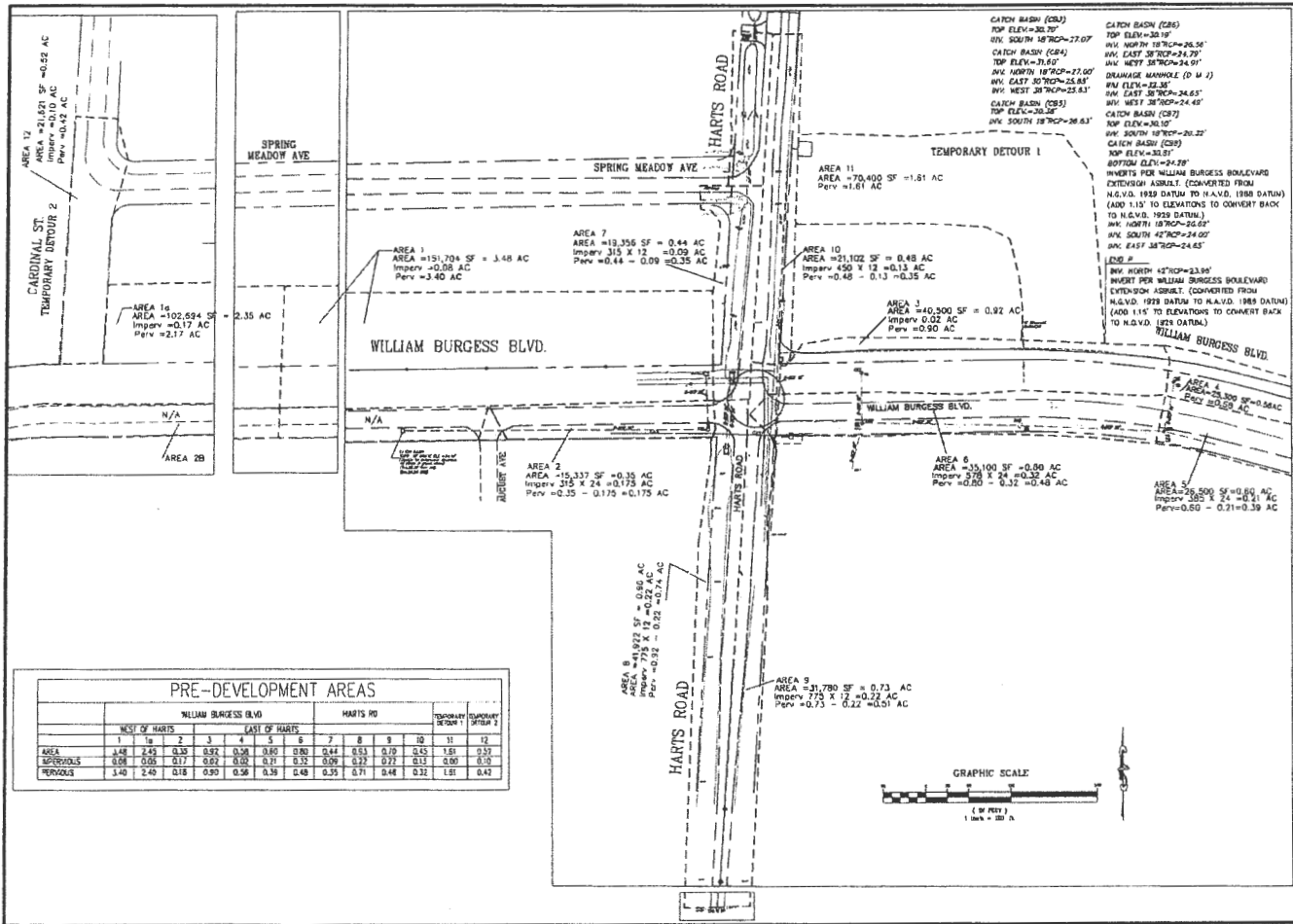
1/32	Cover Sheet
2/32	Pre Development Site Plan
3/32	Post Development Site Plan
4/32	General Notes & Miscellaneous
5-6/32	Typical Sections
7/32	Project Layout & Erosion Control Plan
8/32	Full Construction
9-12/32	Roadway Geometric Plans & Details
13-15/32	Roadway Grading Plans & Details
16-18/32	Roadway Cross Sections
19-20/32	Signage & Pavement Marking Plans
21/32	Temporary Traffic Control Plan
22-25/32	Construction Phases Plans
26/32	OMITTED
27/32	Nassau County Notes
28/32	Nassau County Details
29-30/32	Paving & Drainage Details
31/32	Storm Water Pollution Prevention Plan
32/32	Erosion & Sediment Control Notes and Details

DETOUR ROADS LIST OF SHEETS

1/3	Cardinal Road Plans (Detour #2)
2/3	Geometry Plans & Details (Detour #1)
3/3	Grading Plans (Detour #1)



Prepared By:
J. Lucas & Associates, Inc.
DESIGN AND CONSULTING ENGINEERS
CERTIFICATE OF AUTHORIZATION NO. 3981
1305 CEDAR STREET - JACKSONVILLE, FL 32207
PHONE: (904) 396-3060 - FAX: (904) 396-3456
E-MAIL: lucascad@bellsouth.net



CATCH BASIN (CB3)
TOP ELEV.=32.70'
INV. SOUTH 18"TCP=27.07'
CATCH BASIN (CB4)
TOP ELEV.=31.62'
INV. NORTH 18"TCP=27.00'
CATCH BASIN (CB5)
TOP ELEV.=30.38'
INV. SOUTH 18"TCP=26.81'

CATCH BASIN (CB6)
TOP ELEV.=30.19'
INV. NORTH 18"TCP=26.54'
CATCH BASIN (CB7)
TOP ELEV.=29.79'
INV. WEST 36"TCP=24.91'
DRAINAGE MANHOLE (D M 1)
INV. NORTH 18"TCP=27.00'
CATCH BASIN (CB8)
TOP ELEV.=25.85'
INV. WEST 36"TCP=25.53'
CATCH BASIN (CB9)
TOP ELEV.=24.65'
INV. WEST 36"TCP=24.45'
CATCH BASIN (CB10)
TOP ELEV.=24.32'
INV. SOUTH 18"TCP=20.81'

TEMPORARY DETOUR 1
AREA 11
AREA = 70,400 SF = 1.61 AC
PerV = 1.61 AC

TEMPORARY DETOUR 2
AREA 12
AREA = 21,421 SF = 0.52 AC
Imprv = 0.10 AC
PerV = 0.42 AC

AREA 1
AREA = 151,704 SF = 3.48 AC
Imprv = 0.08 AC
PerV = 3.40 AC

AREA 7
AREA = 13,356 SF = 0.44 AC
Imprv 315 X 12 = 0.09 AC
PerV = 0.44 + 0.09 = 0.53 AC

AREA 10
AREA = 21,102 SF = 0.48 AC
Imprv 450 X 12 = 0.13 AC
PerV = 0.48 + 0.13 = 0.61 AC

AREA 3
AREA = 40,500 SF = 0.92 AC
Imprv 0.02 AC
PerV = 0.90 AC

AREA 2
AREA = 15,337 SF = 0.35 AC
Imprv 315 X 24 = 0.175 AC
PerV = 0.35 + 0.175 = 0.525 AC

AREA 6
AREA = 15,100 SF = 0.34 AC
Imprv 378 X 24 = 0.32 AC
PerV = 0.34 + 0.32 = 0.66 AC

AREA 5
AREA = 28,500 SF = 0.65 AC
Imprv 385 X 24 = 0.21 AC
PerV = 0.65 + 0.21 = 0.86 AC

AREA 4
AREA = 25,500 SF = 0.58 AC
PerV = 0.58 AC

AREA 8
AREA = 11,675 SF = 0.26 AC
Imprv 775 X 12 = 0.22 AC
PerV = 0.26 + 0.22 = 0.48 AC

AREA 9
AREA = 31,780 SF = 0.73 AC
Imprv 775 X 12 = 0.22 AC
PerV = 0.73 + 0.22 = 0.95 AC

AREA 1a
AREA = 102,594 SF = 2.35 AC
Imprv = 0.17 AC
PerV = 2.17 AC

AREA 13
AREA = 21,421 SF = 0.52 AC
Imprv = 0.10 AC
PerV = 0.42 AC

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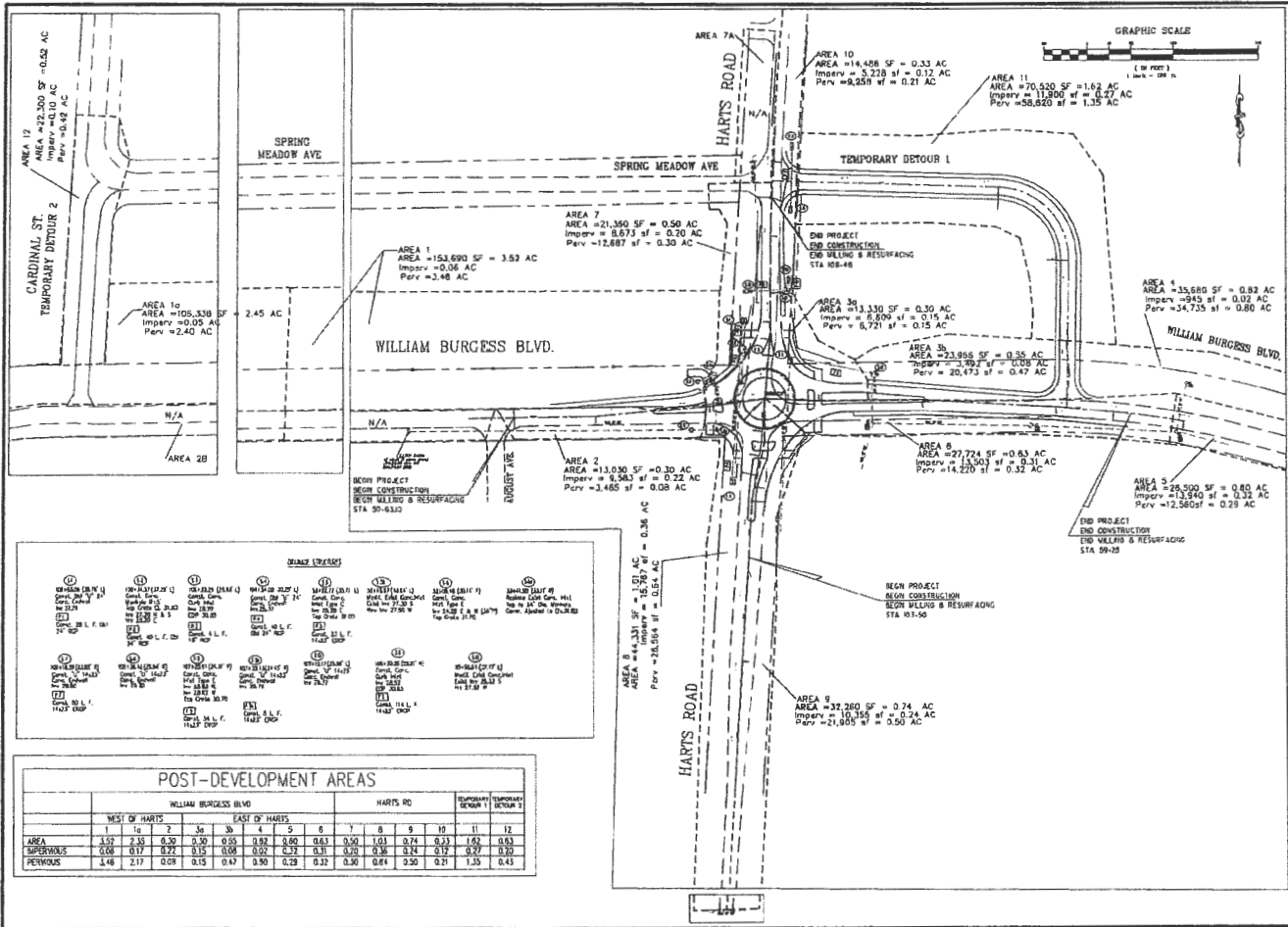
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AREA



J. LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
 CORPORATION OF ALABAMA INC. 398
 UNIVERSITY BLVD. SUITE 200
 FAYETTEVILLE, AL 36801
 TEL: (205) 344-2000 FAX: (205) 344-2044

DATE:	01/11/2011
BY:	ML
PROJECT:	POST DEVELOPMENT PLAN OF ROUNDABOUT AT NASSAU CROSSING FOR PATRIOT RIDGE, LLP
NO.	1710-1

POST DEVELOPMENT PLAN OF ROUNDABOUT AT NASSAU CROSSING FOR PATRIOT RIDGE, LLP

DRAWN BY: ML
 JOB NO.: 1710-1
 FILE: 1710-1001

SEALED & SIGNED:
 JAMES A. LUCAS, P.E., S.E.

AREA	WEST OF HARTS				EAST OF HARTS								
	1	2	3	4	5	6	7	8	9	10	11	12	
PERVIOUS	0.08	0.17	0.27	0.15	0.08	0.22	0.31	0.31	0.25	0.36	0.24	0.19	0.22
PERVIOUS	1.48	2.17	0.08	0.15	0.47	0.50	0.20	0.32	0.30	0.84	0.50	0.21	1.35

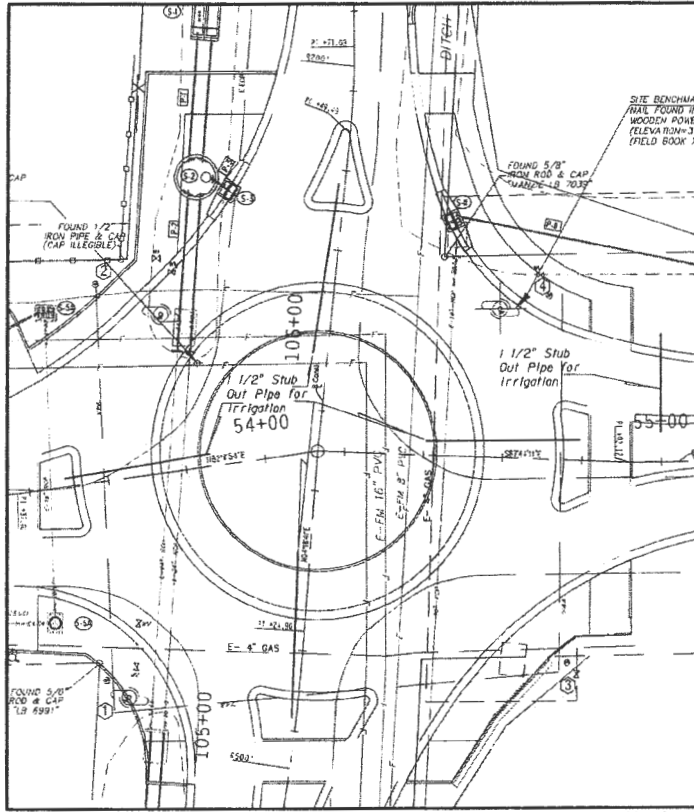
GENERAL NOTES

1. Benchmark (B.M.) Elevations Shown on the Plans are NORTH AMERICAN Vertical Datum of 1988 (NAVD-88).
2. Grades shown are finished grades.
3. Any U.S.C. & G.S. monument within the limits of construction is to be protected. If in danger of damage, the project Engineer should notify:
The Director, National Geodetic Survey
9001 Erection Center
Arling C. H. Building, Maryland 20852
FAX: 1-800-496-8944
4. UTILITIES to be adjusted by UTILITY owners must be coordinated with the Engineer.

UTILITY CONTACTS

- A. AMERICAN TELEPHONE & TELEGRAPH CO. (AT&T)..... 904-455-3444
- B. BELLSOUTH TELEPHONE 904-350-2300
- C. NASSAU COUNTY, PUBLIC WORKS DEPT. 904-530-6775
- D. NASSAU COUNTY, PLANNING & ZONING 904-530-6300
- E. NASSAU COUNTY, CODE ENFORCEMENT 904-665-6200
- F. DISTRIBUTION PROJECTS 904-665-6250
- G. FLORIDA DEPARTMENT OF TRANSPORTATION 904-381-8778
- H. JEA - COLLECTION & DISTRIBUTION 904-630-3734
- I. JEA - GENERAL INFORMATION 904-665-6000
- J. JEA - Grounds/Works / COMMUNITY OUTREACH 904-665-1500
- K. F P & L - 1-800-226-3545
- L. JEA - SEWER PROBLEMS 904-630-3732
- M. JEA - WATER PROBLEMS 904-630-3780
- N. COMCAST 904-380-6889
- O. F P U GAS 1-800-421-7712
- P. PEOPLES GAS 904-443-7388
- Q. SUNSHINE ONE CALL 1-800-432-6770 OR 811

5. Location of the existing utilities shown on the drawings is based on the best available information. The locations are approximate; however, it is the responsibility of the Contractor to confirm in the field. No locations shown prior to excavation and notify the Engineer of any conditions which are contrary to those shown. The Contractor shall be responsible for the protection and maintenance of uninterrupted utilities operations throughout the contract period. The Contractor shall be responsible for any damage to utilities caused by his operation.
6. Should a utility or structure of unknown origin be encountered, the Contractor shall contact the Engineer and County for a determination of what course of action to take.
7. The Contractor shall be responsible for the protection of all fences, gates, traffic signs and all other such items to be relocated throughout the contract period. Payment shall be included in the lump sum price bid for site preparation.
8. Special analysis should be followed during the regular excavation and the removal and replacement of the unsuitable material. Contractor's forces shall protect all Contractor's forces shall protect all utilities. The Contractor shall be responsible for any damage to utilities caused by his operation.
9. It is the responsibility of the Contractor to implement the turbidity controls as per the requirements of the SWPMD and Nassau County.
10. Topographic information shown was provided by Hensley & Drake Land Surveying.
11. A 26-month maintenance bond will be required for all work within Nassau County ROW.



MISCELLANEOUS

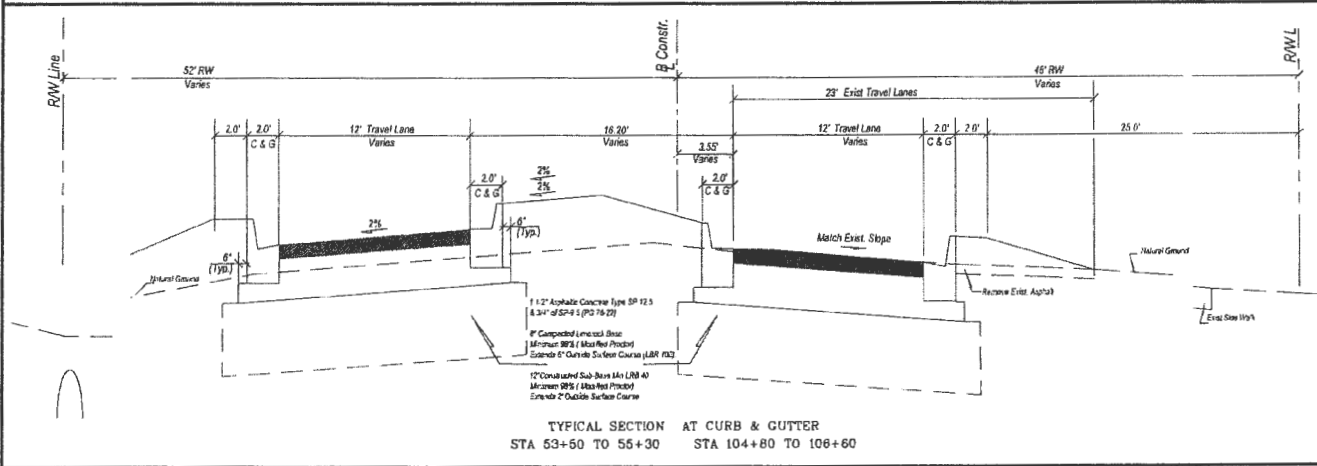
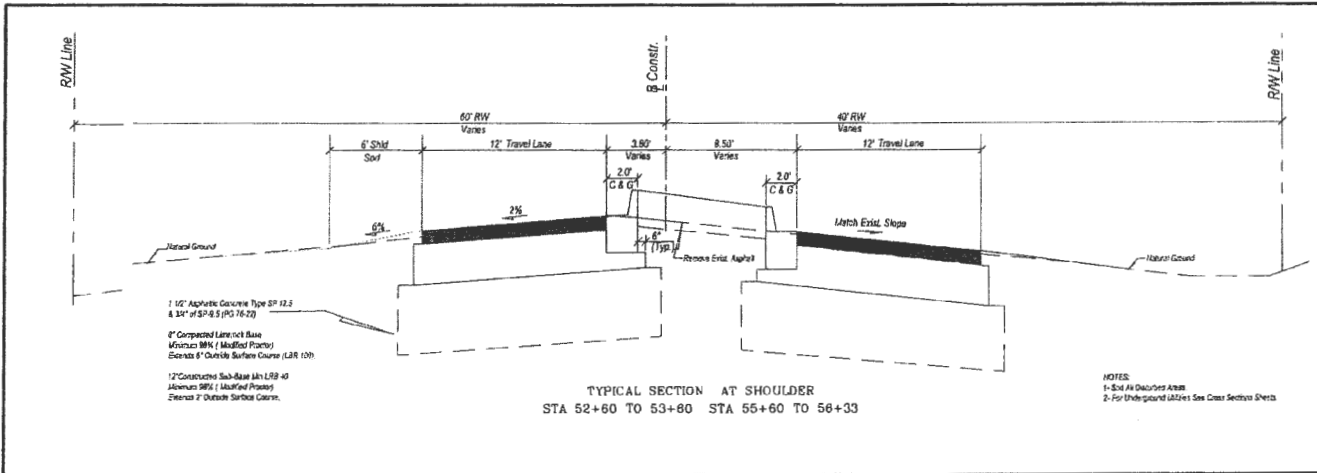
J. LUCAS & ASSOCIATES, INC.
CONSULTING AND DESIGN ENGINEERS
1300 SOUTH STREET, SUITE 200
MARIETTA, GA 30067
PH: (404) 388-3800 FAX: (404) 388-3344

WORK NO. 13
DRAWN BY: JAL
CHECKED BY: JAL
APPROVED BY: JAL
DATE: 07/20/2008

NO.	DATE	REVISION

GENERAL NOTES
& MISCELLANEOUS
ROUNDABOUT AT NASSAU
ROUNDABOUT CROSSING FOR
PATRIOT RIDGE, LLP

DRAWING NO. 13
JOB NO. 1310-1
PROJECT: 1310-1
SCALE & DIMENSIONS
DATE & CHECK BY: 07/20/08



J. LUCAS & ASSOCIATES, INC.
CONSULTING AND DESIGN ENGINEERS
1300 CROSS STREET - SUITE 1000
ANN ARBOR, MI 48106

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SCALE	AS SHOWN

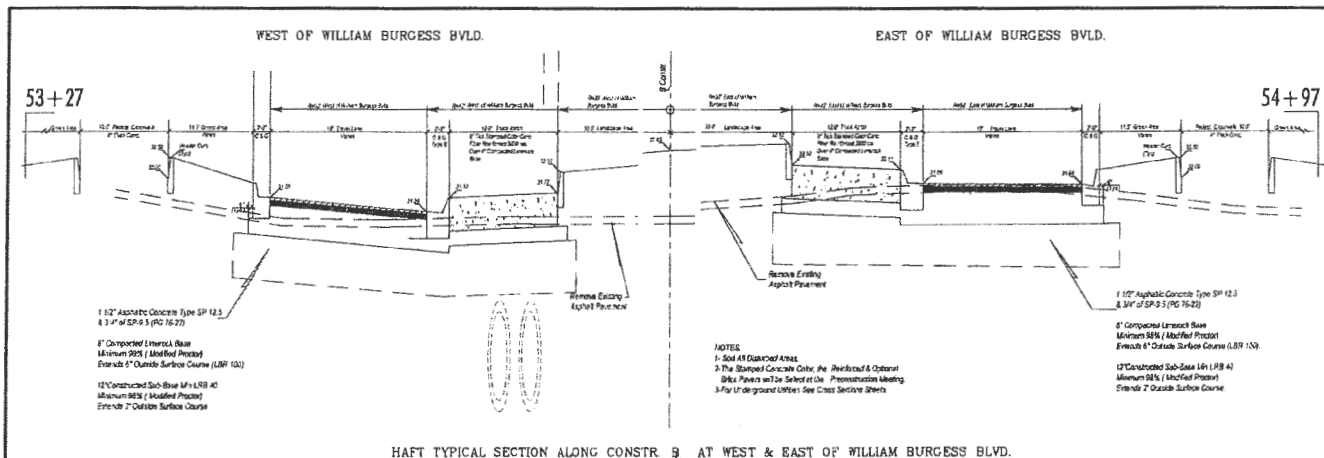
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BY	JL
CHECKED BY	JL
APPROVED BY	JL

WILLIAM BURGES BLVD. & HARTS ROAD ROUNDABOUT AT NASSAU CROSSING FOR PATRIOT RIDGE, LLP

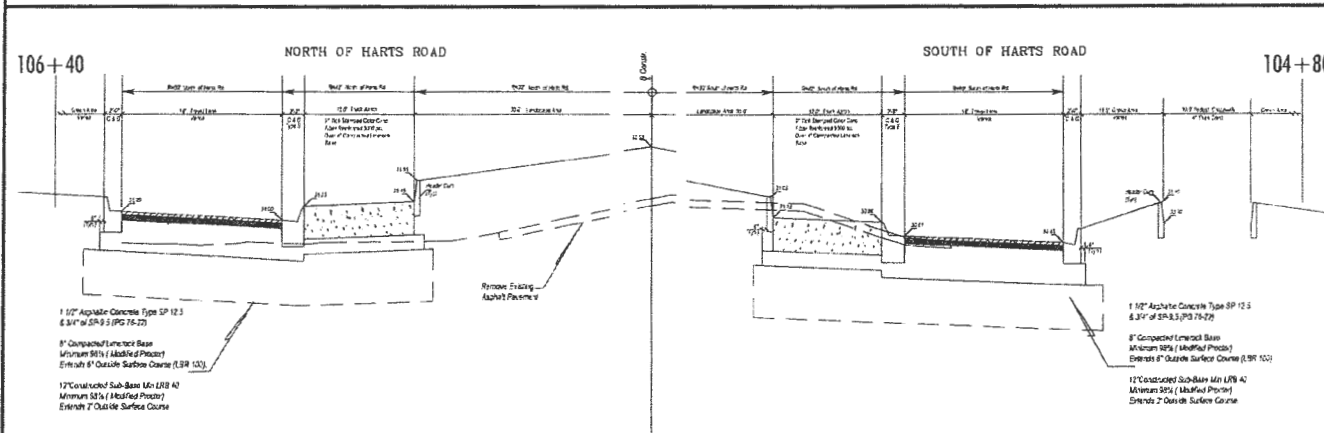
DRAWING NO. 11-001
SHEET NO. 001
FILE: ENL

SCALE & DONATED

JULY 15, 2011



HAFT TYPICAL SECTION ALONG CONSTR. @ WEST & EAST OF WILLIAM BURGESS BLVD.



HAFT TYPICAL SECTION ALONG CONSTR. @ SOUTH & NORTH OF HARTS ROAD

J. LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
 CERTIFICATE OF AUTHORIZATION NO. 1981
 U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL AID DISTRICT NO. 1
 STATE OF VIRGINIA
 EXP. DATE 12/31/2010

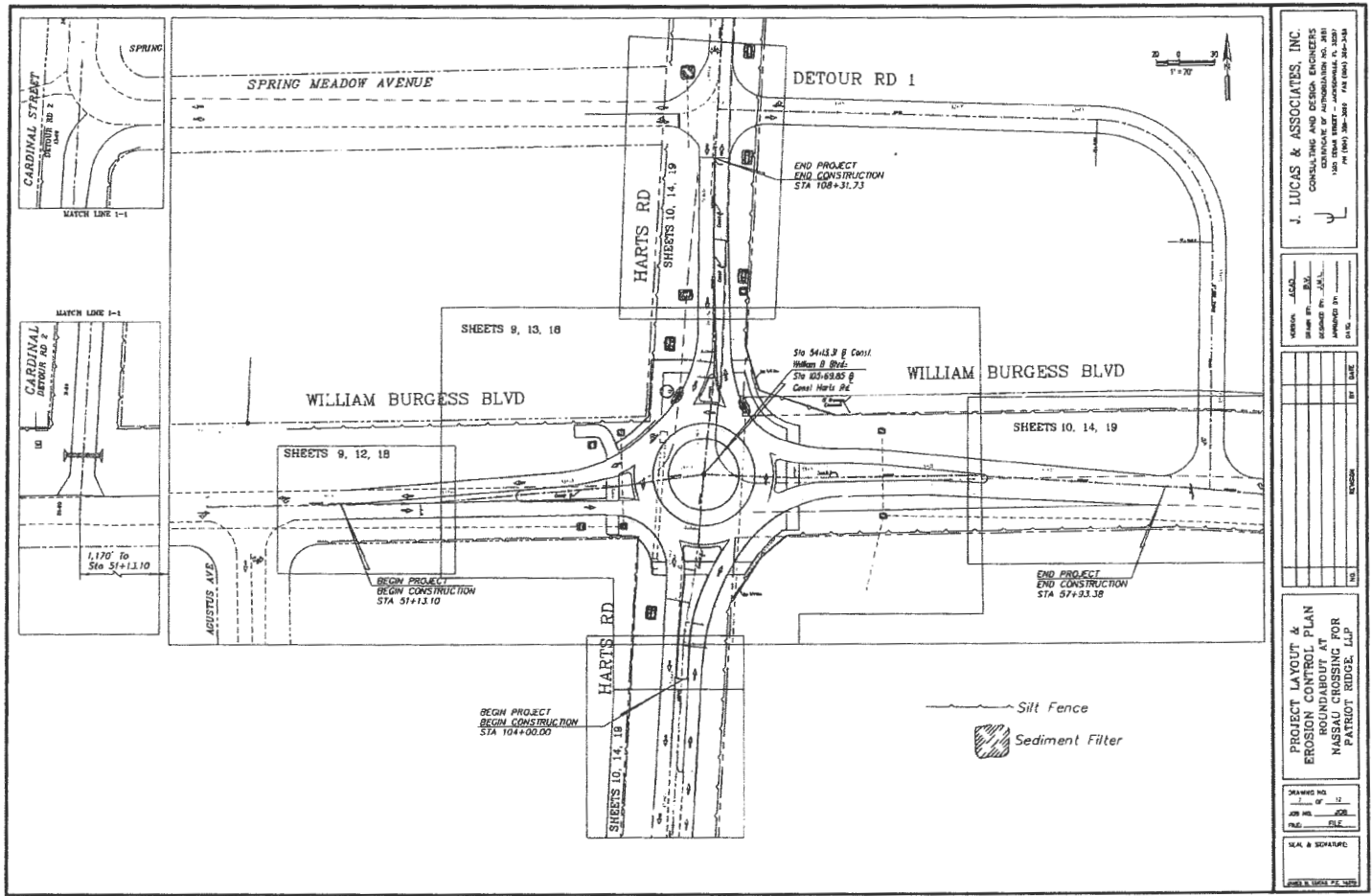
DESIGNED BY: JAL
 DRAWN BY: JAL
 CHECKED BY: JAL
 DATE: 08/11/10

NO.	DATE	REVISION

**DETAILS TYPICAL SECTIONS
 ROUNDABOUT AT
 NASSAU CROSSING FOR
 PATRIOT RIDGE, LLP**

DRAWING NO. 100-000000-00
 JOB NO. 100-000000
 FILE 100-000000

SCALE & SIGNATURE:
 DATE: 08/11/10

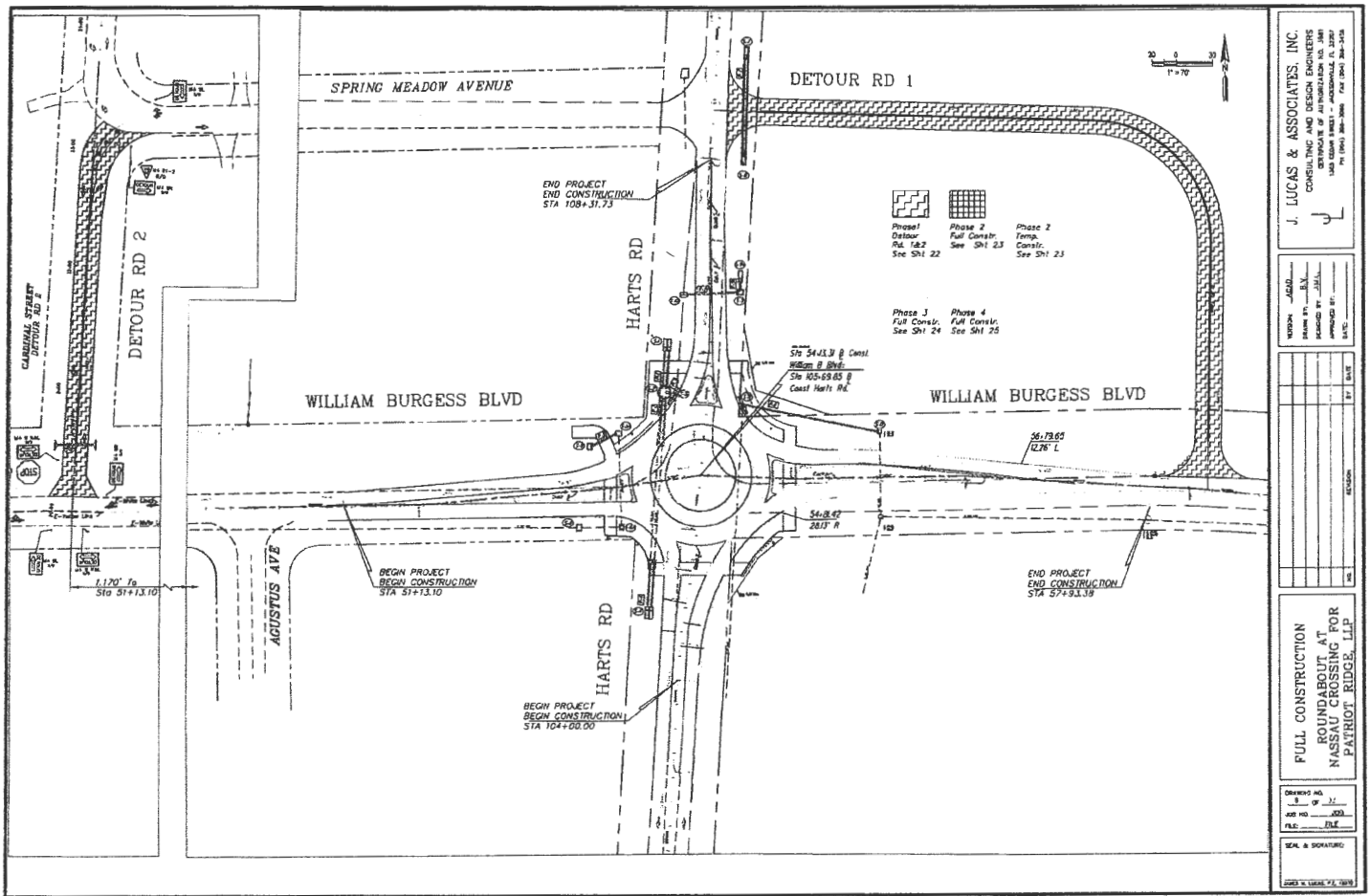


J. LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
 A DIVISION OF AUBURNVILLE, INC.
 1100 N. WILSON ROAD, SUITE 200
 AUBURNVILLE, SOUTH CAROLINA 29325
 TEL: (803) 386-3887 FAX: (803) 386-3184

VERSION	DATE
1.0	08/11/10
2.0	08/11/10
3.0	08/11/10
4.0	08/11/10
5.0	08/11/10
6.0	08/11/10
7.0	08/11/10
8.0	08/11/10
9.0	08/11/10
10.0	08/11/10

PROJECT LAYOUT & EROSION CONTROL PLAN
 ROUNDABOUT AT HARTS RD AND WILLIAM BURGESS BLVD
 PATRIOT RIDGE, LLC

DRAWING NO.	10
SHEET NO.	02
FILE	10.2
SCALE	AS SHOWN
DATE	08/11/10

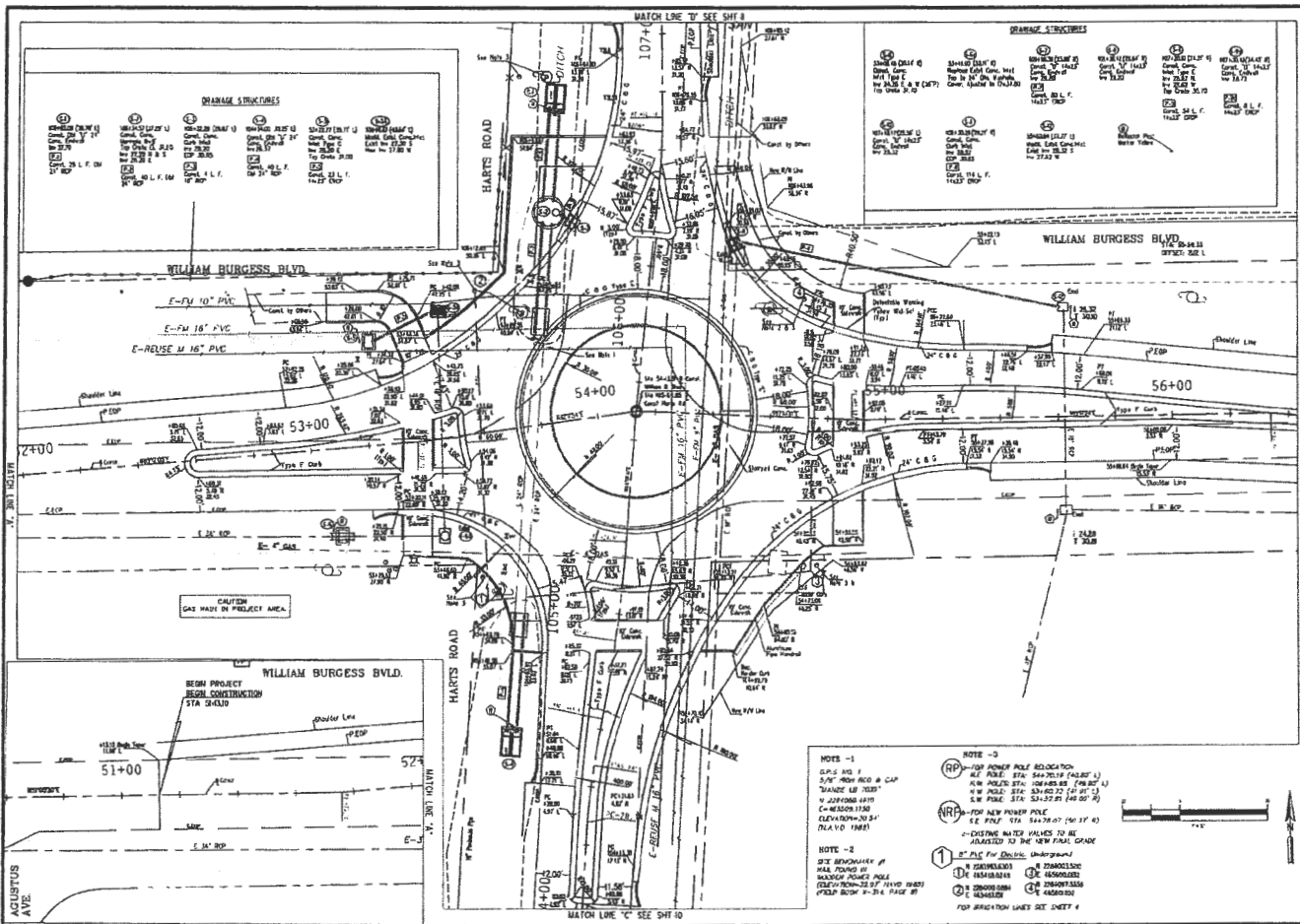


J. LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
 STATE OF ILLINOIS - LICENSE NO. 0420
 1405 OLIVE STREET - AUBURNVILLE, IL 62502
 TEL: (618) 282-2600 FAX: (618) 282-2525

DESIGN NO. _____
 SHEET NO. _____
 FILE NO. _____

FULL CONSTRUCTION
 ROUNDABOUT AT
 NASSAU CROSSING FOR
 PATRIOT RIDGE, LLP

SEAL & SIGNATURE



J. LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
 12000 W. UNIVERSITY BLVD., SUITE 100
 FORT WORTH, TEXAS 76134
 PHONE: (817) 342-2400 FAX: (817) 342-2400

PROJECT: GEOMETRIC PLAN ROUNDABOUT AT NASSAU CROSSING FOR PATRIOT RIDGE, LLP
 DRAWING NO.: 100-100-100-100
 DATE: 10/10/10
 SCALE: AS SHOWN

DESIGNED BY: JLM
 CHECKED BY: JLM
 IN CHARGE: JLM

NOTE -1
 SLOPE SIG 1
 3/4" FROM R/O @ CAP
 CHANGE UP 1000'
 V. 2221000.00
 C=0.5000-0.100
 ELEVATION=30.5'
 DATED 10/05

NOTE -2
 SEE REMARKS ON
 PLAN FOR
 BATTERY POWER POLE
 (SEE SECTION 201-1110-100)
 (POLE BOOK P-314 PAGE #)

NOTE -3
 (RP) FOR POWER POLE RELOCATION
 NEW POLE: STA: 54+00.00 (40.00')
 OLD POLE: STA: 106+85.00 (76.80')
 NEW POLE: STA: 53+50.00 (43.50')
 S.W. POLE: STA: 53+37.00 (43.30')

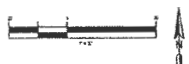
(NR) FOR NEW POWER POLE
 SEE POLE STA: 54+00.00 (40.00')

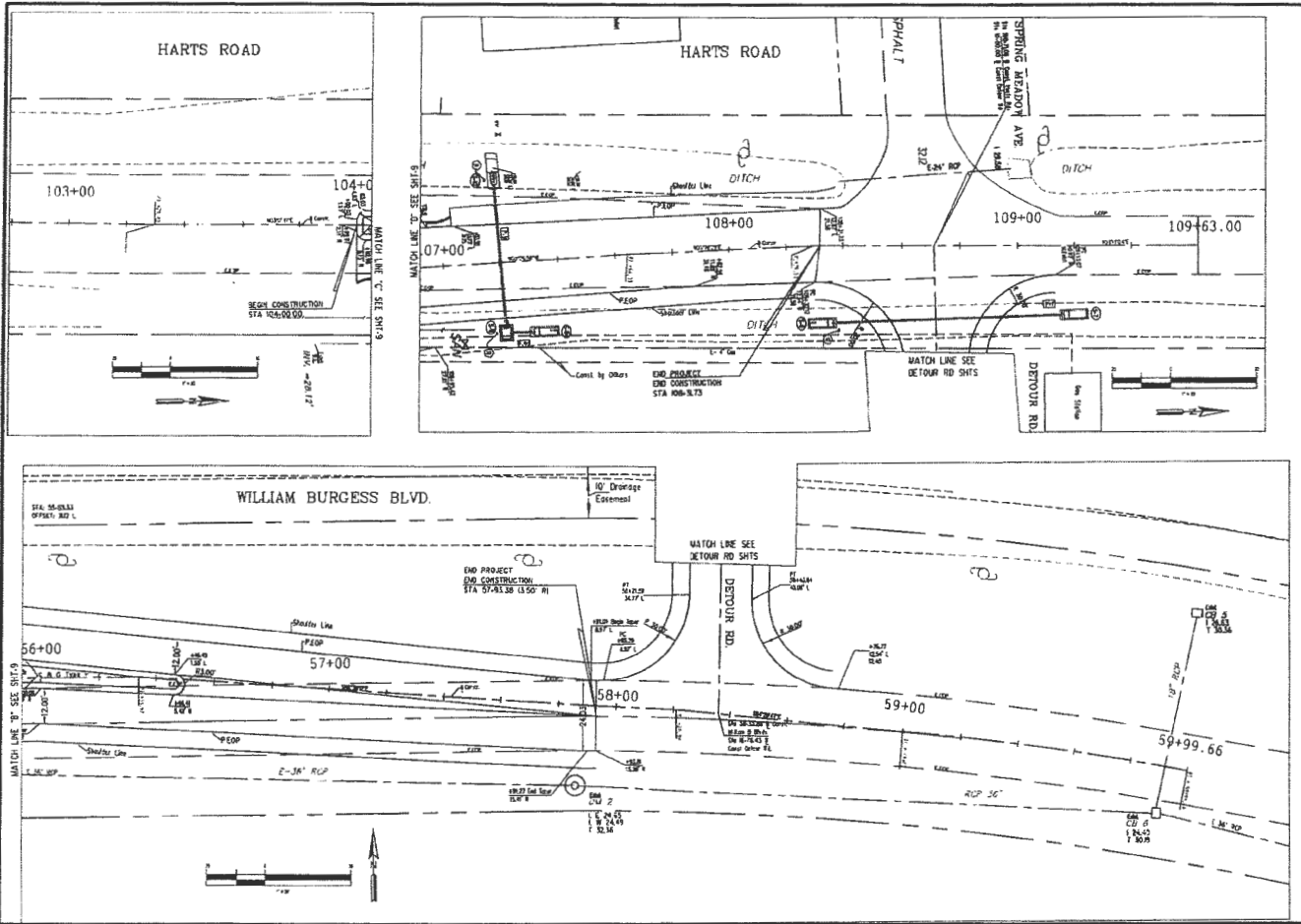
(1) EXISTING WATER VALUES TO BE
 ADJUSTED TO THE NEW PAUL GRADE

(2) EXISTING WATER VALUES TO BE
 ADJUSTED TO THE NEW PAUL GRADE

(3) EXISTING WATER VALUES TO BE
 ADJUSTED TO THE NEW PAUL GRADE

FOR DIMENSION LINES SEE SHEET 1





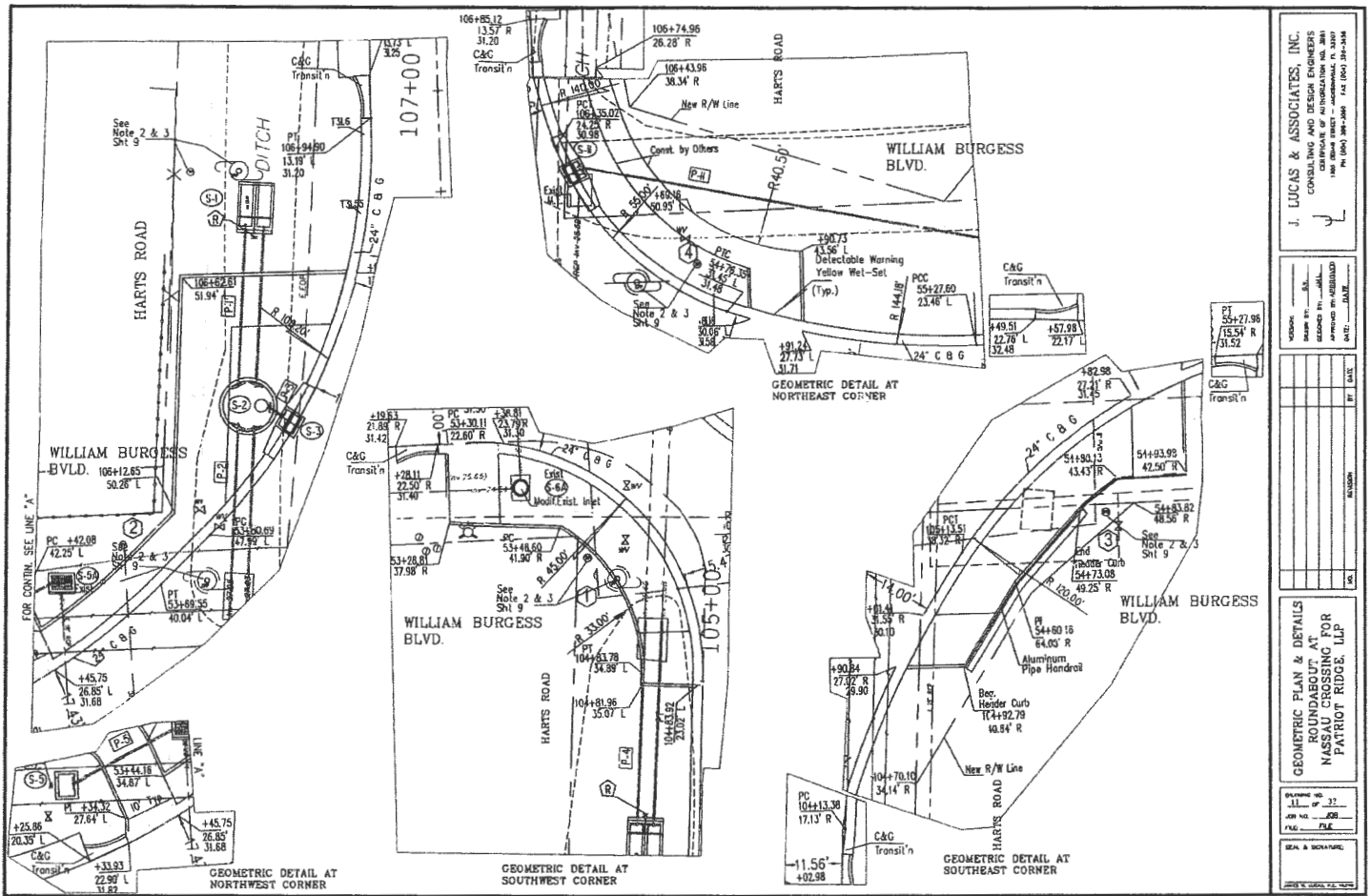
J. LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
 1000 S. W. 11th St., Suite 100
 Ft. Lauderdale, FL 33304
 Phone: (954) 574-1500 Fax: (954) 574-1515

PROJECT: _____
 DRAWING NO.: _____
 SHEET NO.: _____
 DATE: _____

**GEOMETRIC PLAN
 ROUNDABOUT AT
 MASSAU CROSSING FOR
 PATRIOT RIDGE, LLP**

DRAWING NO. 10 of 37
 JOB NO. 100
 PLAN FILE

SCALE & SIGNATURE: _____
 DATE: _____



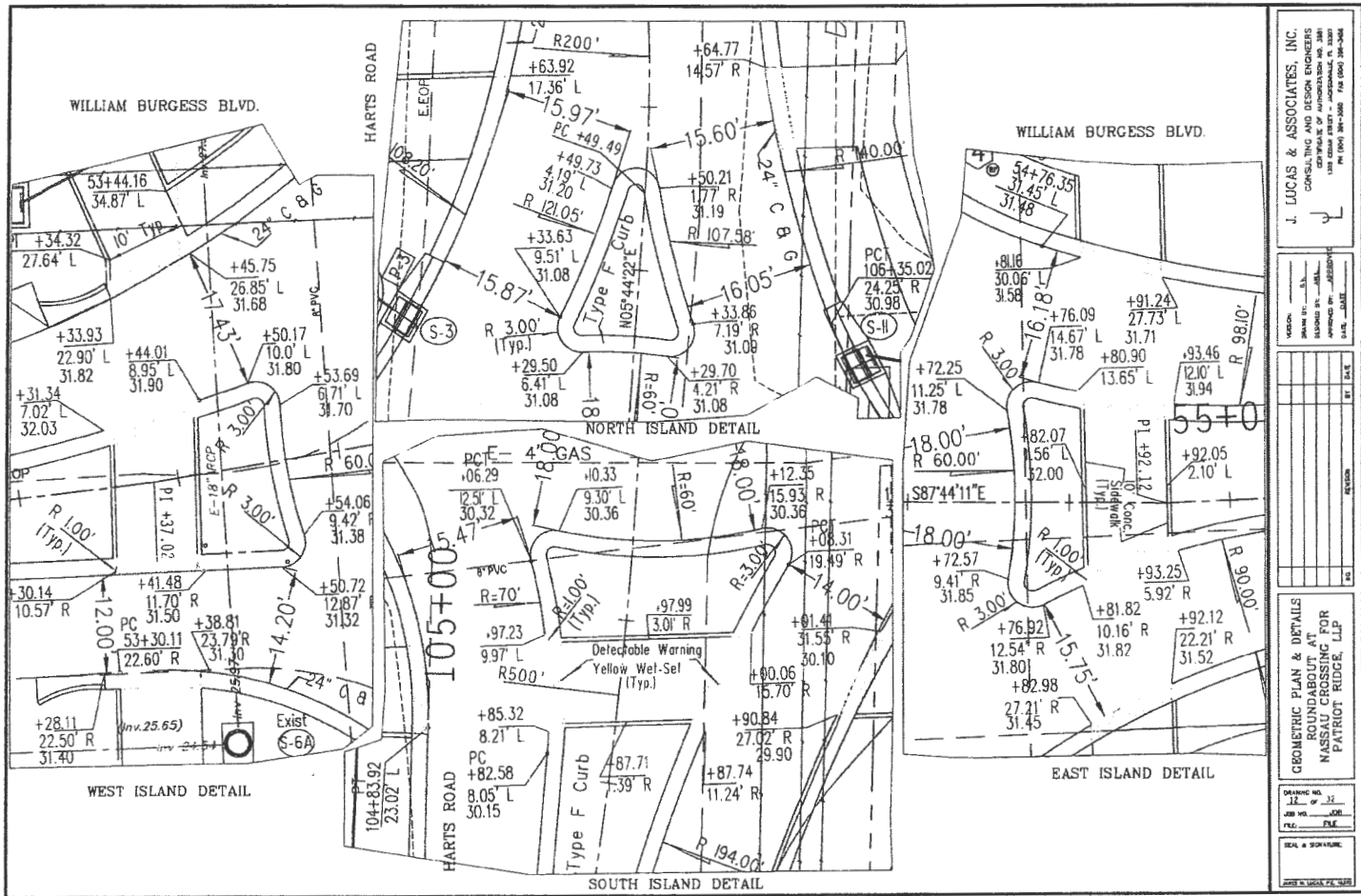
J. LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
 1100 PATRIOT RIDGE DRIVE, SUITE 200
 PATRIOT RIDGE, FLORIDA 32909
 PHONE: (888) 380-2888 FAX: (888) 380-2888

NO.	DATE	DESCRIPTION
1	01/27/11	ISSUED FOR PERMITS
2	02/08/11	ISSUED FOR PERMITS
3	02/08/11	ISSUED FOR PERMITS
4	02/08/11	ISSUED FOR PERMITS
5	02/08/11	ISSUED FOR PERMITS
6	02/08/11	ISSUED FOR PERMITS
7	02/08/11	ISSUED FOR PERMITS
8	02/08/11	ISSUED FOR PERMITS
9	02/08/11	ISSUED FOR PERMITS
10	02/08/11	ISSUED FOR PERMITS
11	02/08/11	ISSUED FOR PERMITS
12	02/08/11	ISSUED FOR PERMITS
13	02/08/11	ISSUED FOR PERMITS
14	02/08/11	ISSUED FOR PERMITS
15	02/08/11	ISSUED FOR PERMITS
16	02/08/11	ISSUED FOR PERMITS
17	02/08/11	ISSUED FOR PERMITS
18	02/08/11	ISSUED FOR PERMITS
19	02/08/11	ISSUED FOR PERMITS
20	02/08/11	ISSUED FOR PERMITS

GEOMETRIC PLAN & DETAILS
ROUNDABOUT AT
WILLIAM BURGESS BLVD
AT
THE INTERSECTION WITH
HARTS ROAD

DATE: 01/27/11
 SHEET NO. 008
 P&S: P&S

SCALE & SIGNATURE:



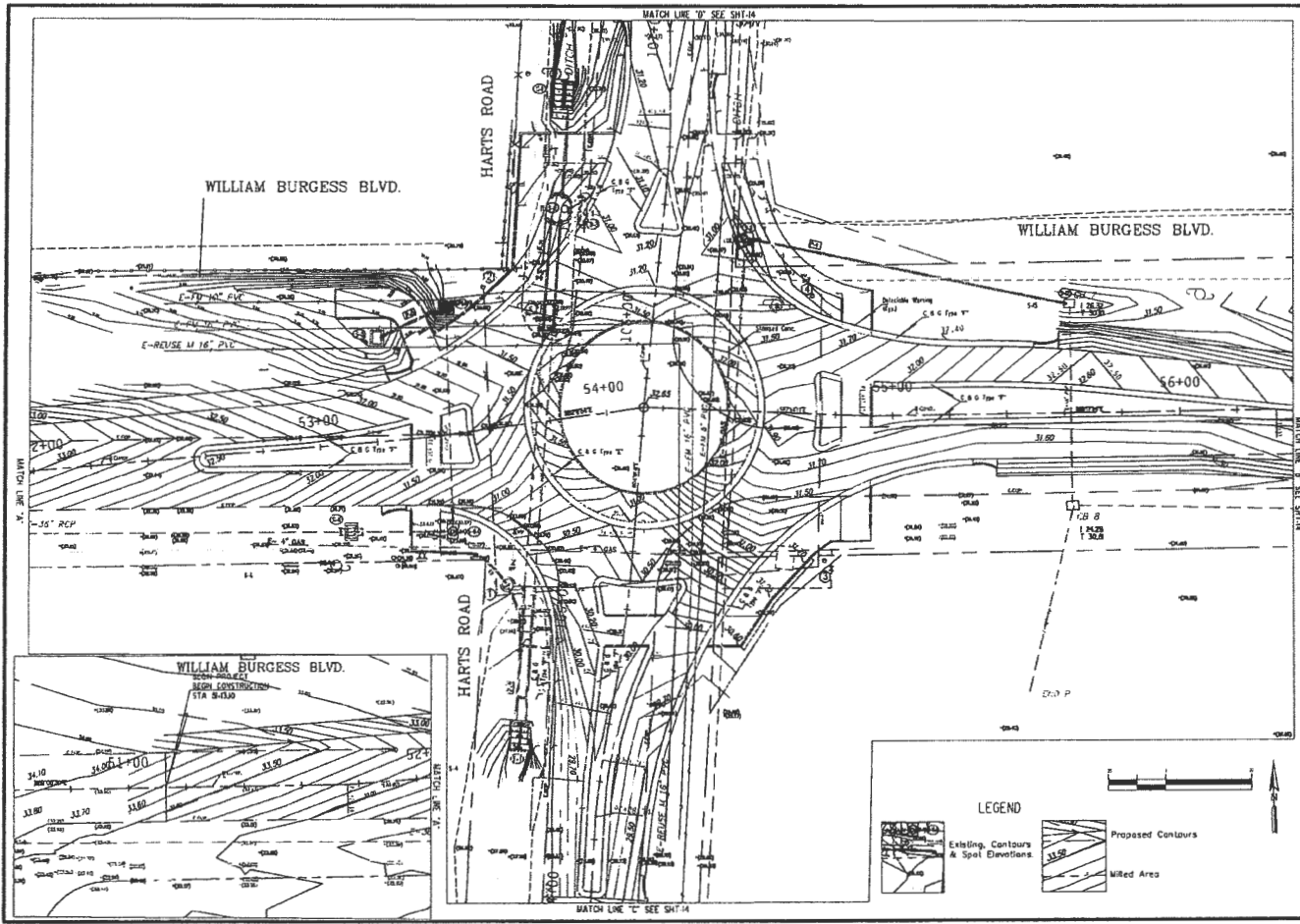
J. LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
 1000 N. W. 10th St., Suite 100
 Fort Lauderdale, FL 33304
 PH: (954) 341-3400 FAX: (954) 341-3401

DESIGN: J. LUCAS
 DRAWN BY: J. LUCAS
 CHECKED BY: J. LUCAS
 DATE: 08/11/11

NO.	REVISION	DATE

GEOMETRIC PLAN & DETAILS
 ROUNDABOUT AT
 NASSAU CROSSING FOR
 PATRIOT RIDGE, LLP

DRAWING NO. 12 OF 32
 JOB NO. 108
 FILE: 108
 SEAL & SIGNATURE:
 DATE: 08/11/11

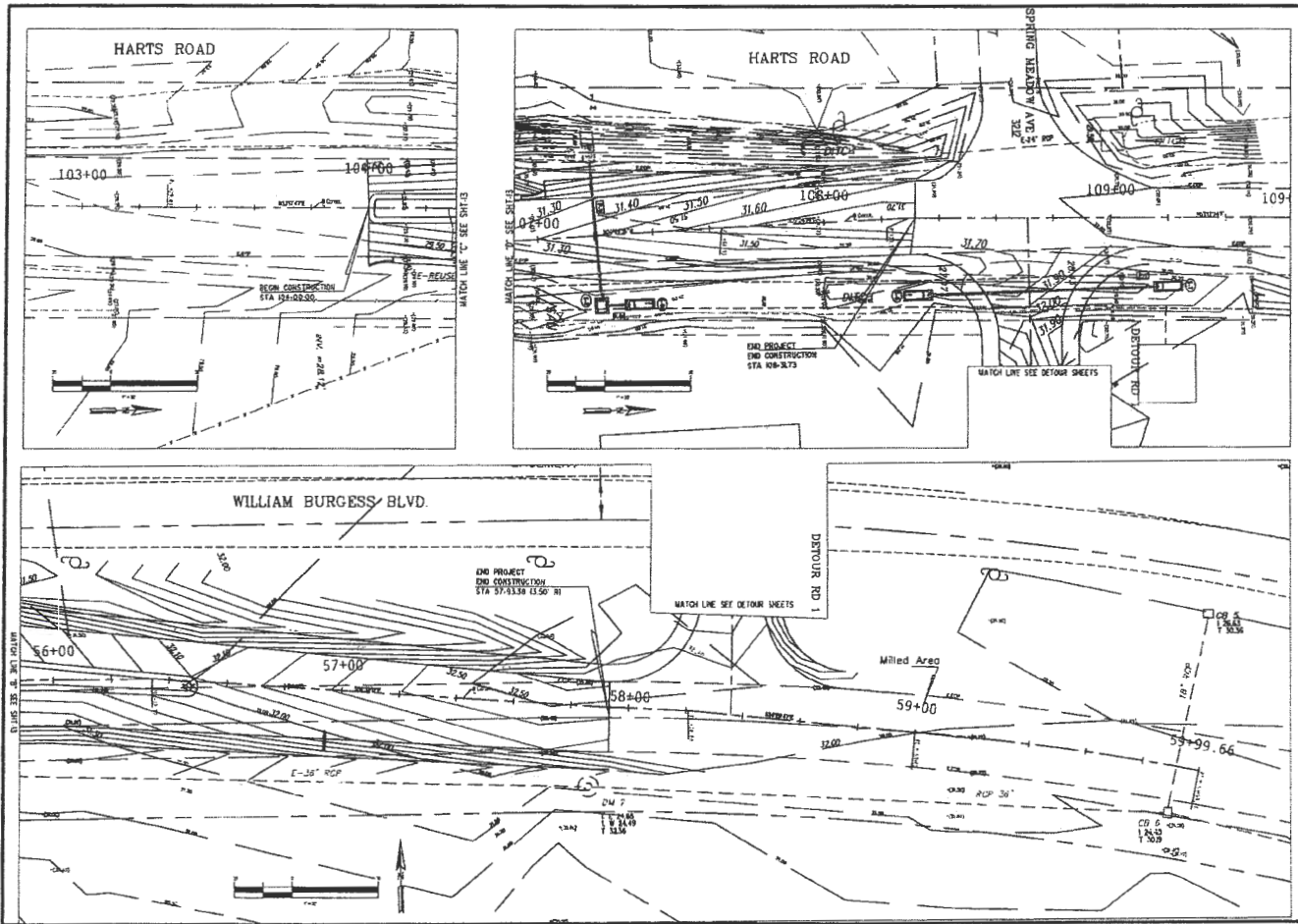


J. LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
 1000 W. PALM BEACH BLVD., SUITE 200
 WEST PALM BEACH, FL 33411
 TEL: (561) 840-3000 FAX: (561) 840-3400

REVISION	DATE	BY	CHK

GRADING PLAN
 ROUNDABOUT AT
 NASSAU CROSSING FOR
 PATRIOT RIDGE, LLP

DATE: 11/11/11
 SHEET NO. 13 OF 17
 SCALE: AS SHOWN



J. LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
 CERTIFICATE OF AUTHORIZATION NO. 3881
 EXPIRES 12/31/2010
 1000 WEST 10TH AVENUE SUITE 200
 DENVER, CO 80202 FAX (303) 733-3344

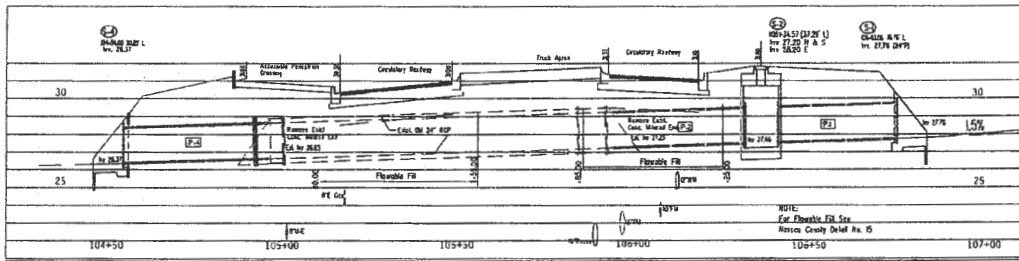
DATE: 11/11/11
 DRAWN BY: JLL
 CHECKED BY: JLL
 PROJECT NO.: 1103
 SHEET NO.: 110

NO. 1103

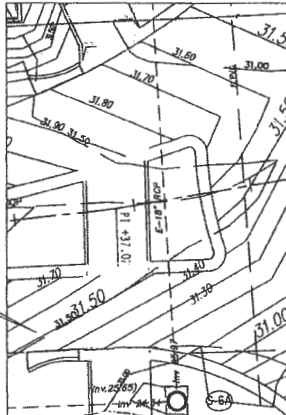
**GRADING PLAN
 ROUNDABOUT AT
 MASSAU CROSSING FOR
 PATRIOT RIDGE, LLP**

REVISED BY: JLL
 DATE: 11/11/11

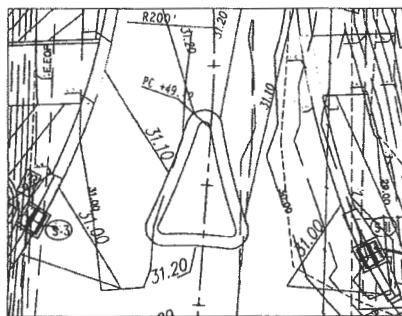
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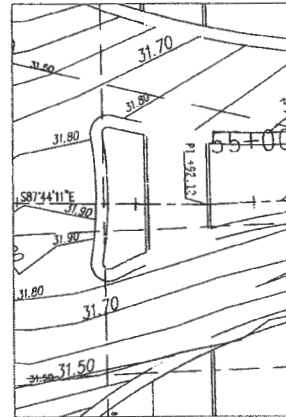
PROFILE ALONG EXIST. DBL 24" RCP



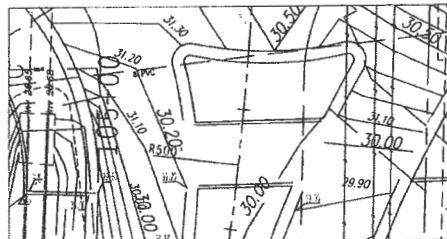
WEST ISLAND DETAIL



NORTH ISLAND DETAIL



EAST ISLAND DETAIL



SOUTH ISLAND DETAIL

J. LUCAS & ASSOCIATES, INC.
CONSULTING AND DESIGN ENGINEERS
CERTIFICATE OF INCORPORATION NO. 2881
STATE OF FLORIDA
INCORPORATED 08/15/88
PA. 0001-248-2400 FAX (904) 248-2404

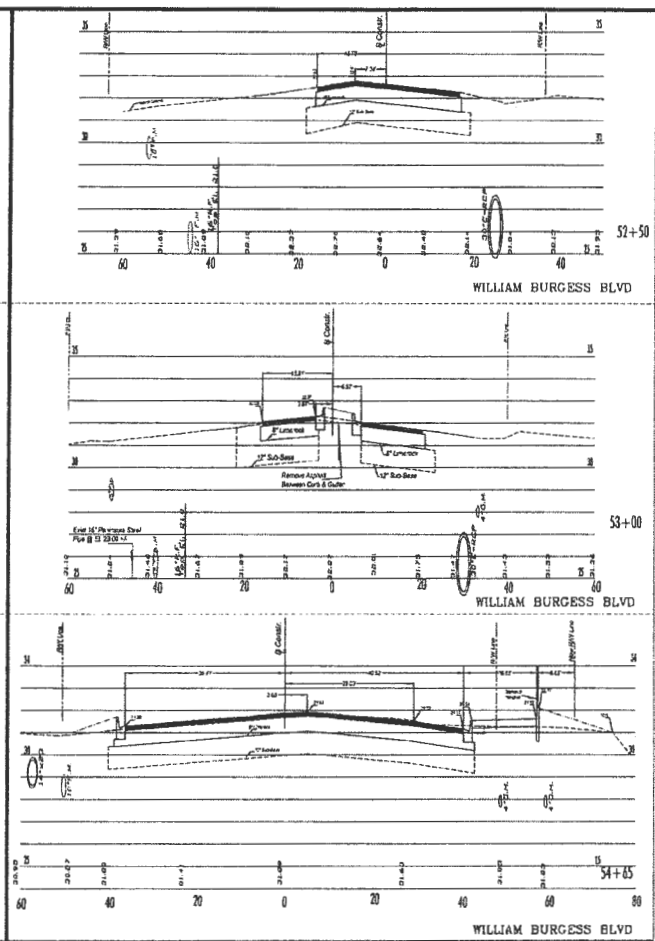
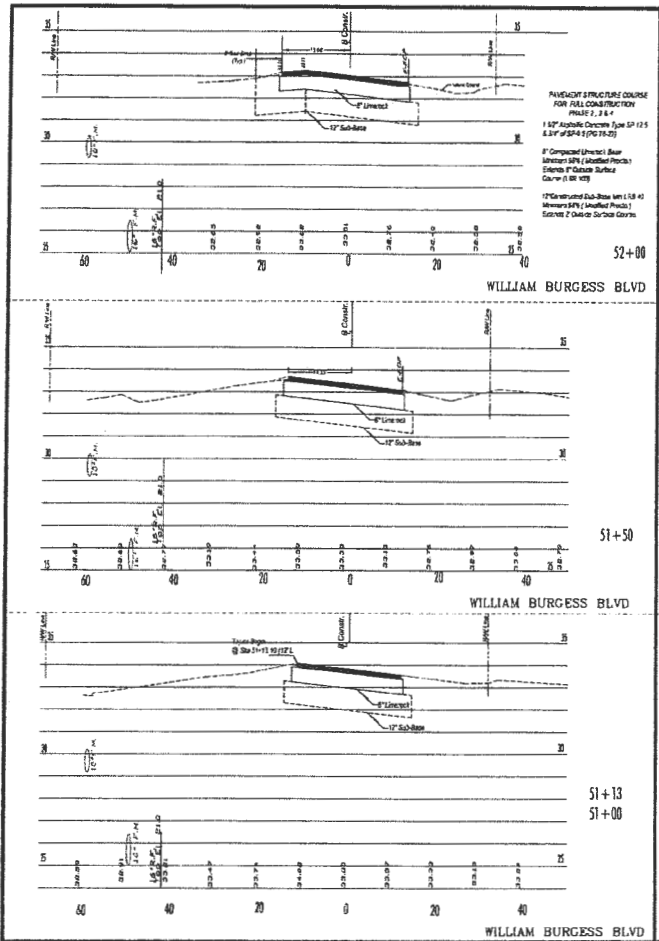
DATE: 12/15/17
DRAWN BY: J.M.L.
CHECKED BY: J.M.L.
SCALE: AS SHOWN

NO.	DATE	REVISION

CRADING PLAN & DETAILS
ROUNDABOUT AT
NASSAU CROSSING FOR
PATRIOT RIDGE, ILLP

DATE OF THIS WORK: 12/15/17
JOB NO: 2017-001
FILE: P&C
SCALE & SHOW SCALE

J. LUCAS & ASSOCIATES, INC.



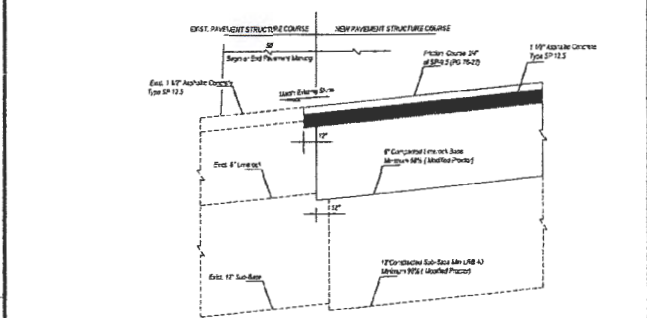
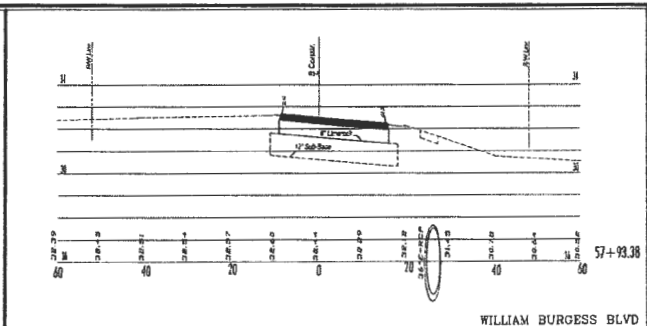
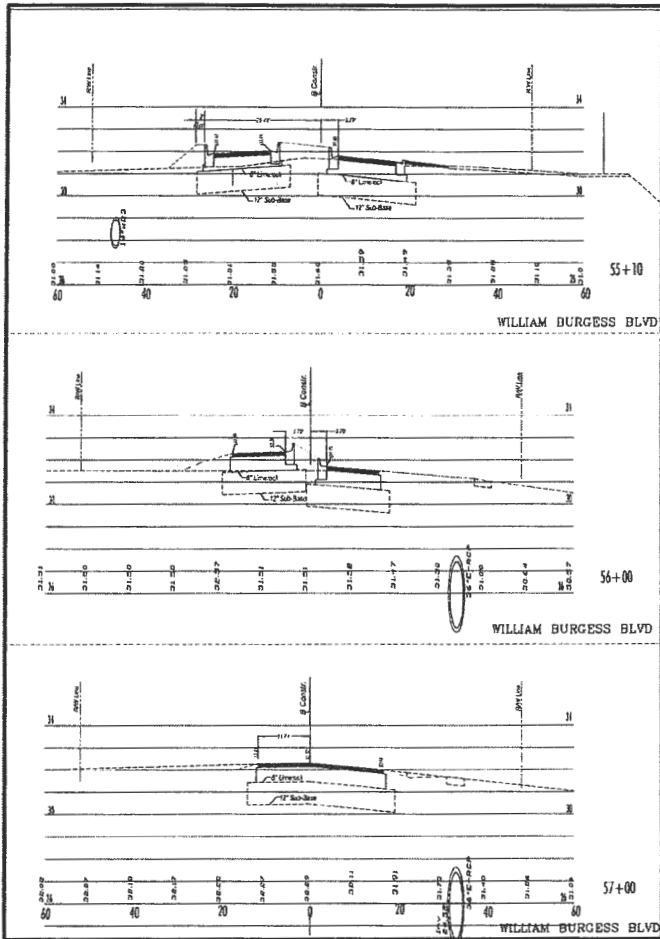
J. LUCAS & ASSOCIATES, INC.
CONSULTING AND DESIGN ENGINEERS
1000 W. WASHINGTON ST., SUITE 200
TALLAHASSEE, FL 32301
TEL: (904) 298-3888 FAX: (904) 298-3348

DESIGNED BY: J.L. LUCAS
CHECKED BY: J.M. LUCAS
APPROVED BY: J.M. LUCAS
DATE: 01/15/11

ROADWAY CROSS SECTION
ROUNDABOUT AT
NASSAU CROSSING FOR
PATRIOT RIDGE, LLP

SCALE: AS SHOWN

DATE: 01/15/11



TYPICAL DETAIL FOR NEW AND EXISTING PAVEMENT (See Detail 14 - 15.5' x 14' 7")

LUCAS & ASSOCIATES, INC.
CONSULTING AND DESIGN ENGINEERS
CERTIFICATE OF AUTHORIZATION NO. 2881
MASSACHUSETTS REG. PROFESSIONAL ENGINEER
EX. 10433 300-2600 FAX 300-28-2344

PROJECT: JACOBI
DATE: 11/11/11
SCALE: AS SHOWN
DRAWN BY: JEL
CHECKED BY: JEL
DATE: 11/11/11

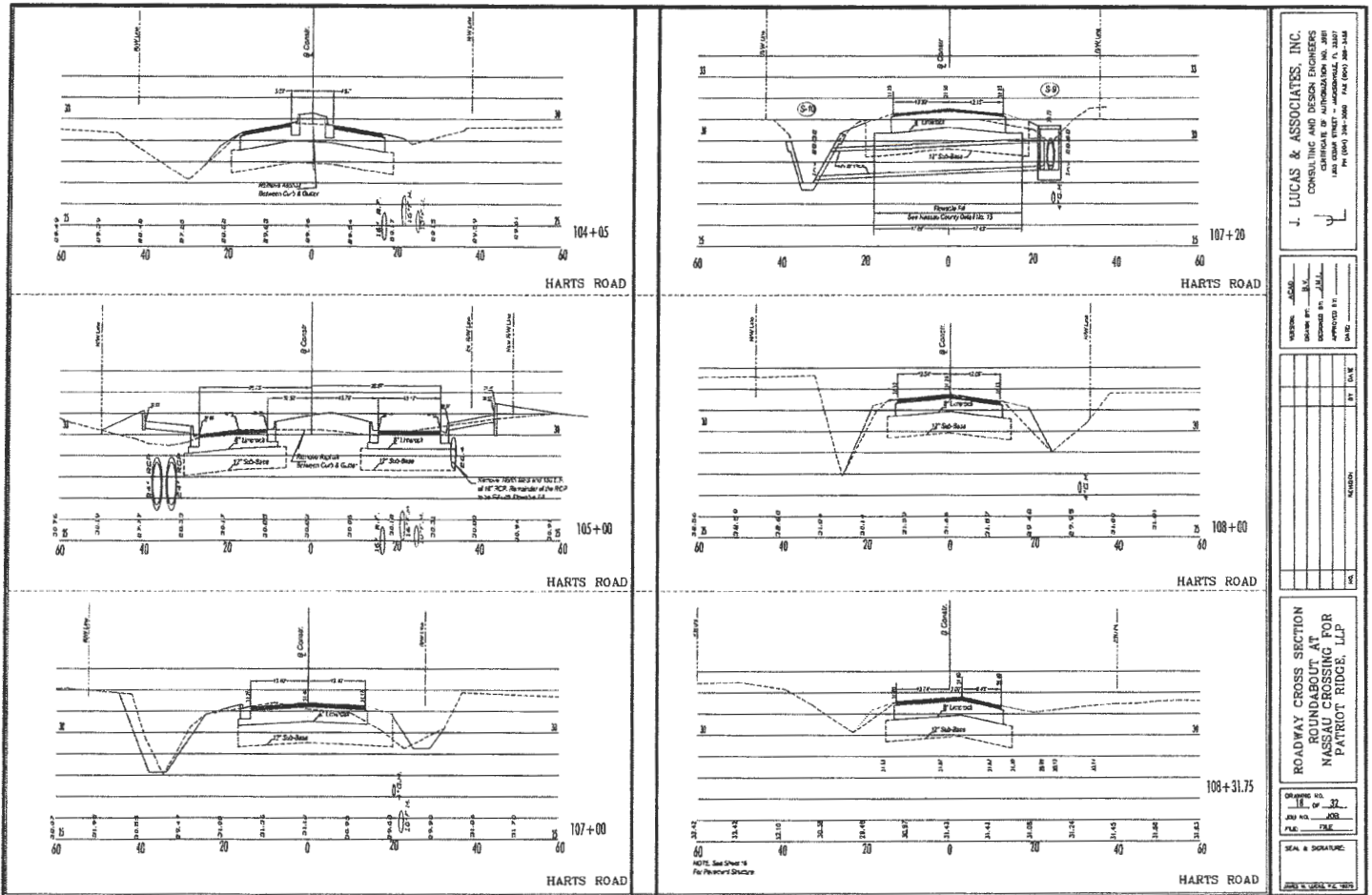
NO.	DATE	BY	REVISION

ROADWAY CROSS SECTION
ROUNDABOUT AT
MASS CROSSING FOR
PATRIOT RIDGE, LLP

DESIGNED BY: JEL
DATE: 11/11/11
APP. NO.: 10433
FILE: 11/11/11

SEALED & SIGNATURE: [Signature]

DATE: 11/11/11



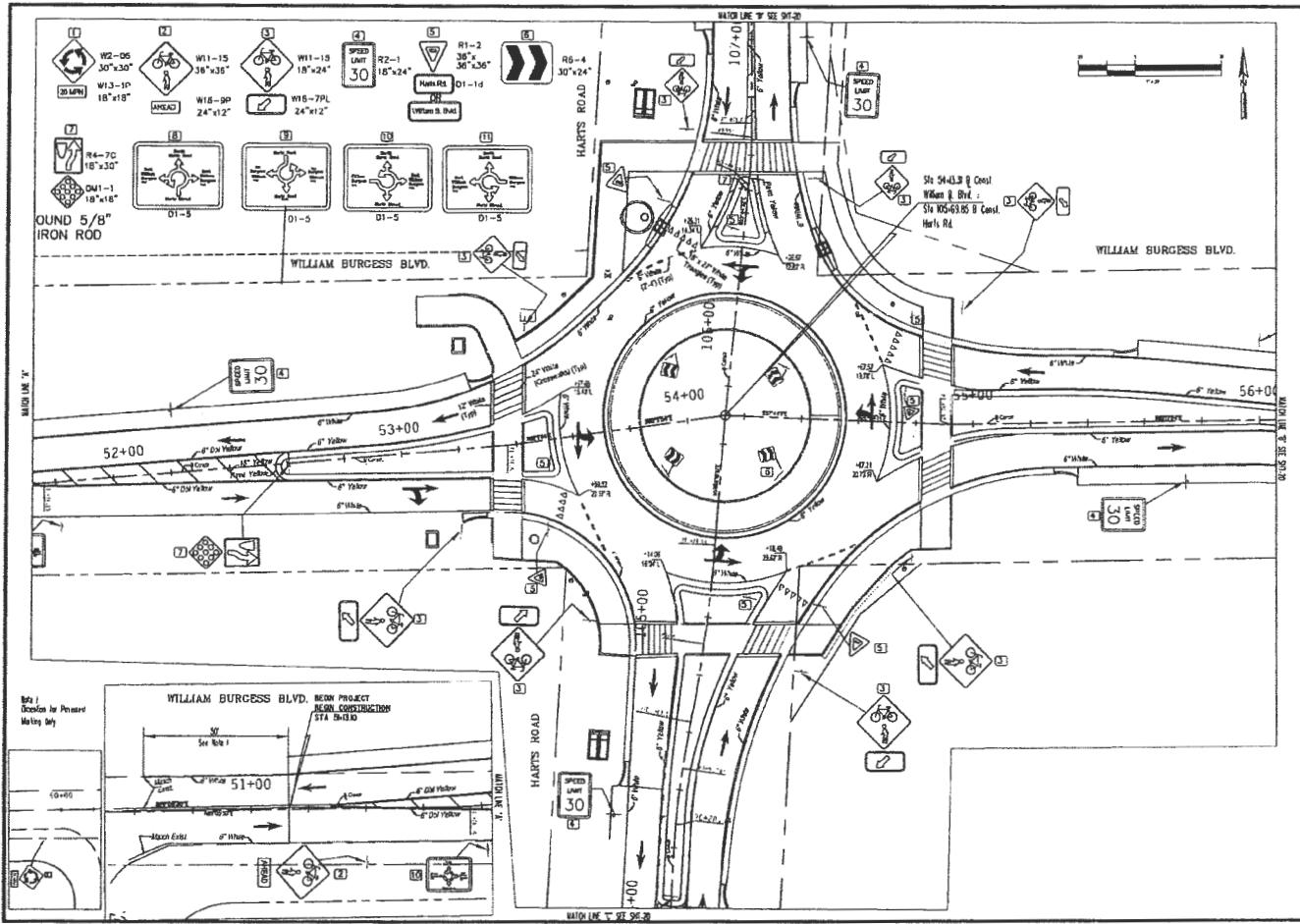
J. LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
 1000 WEST 10TH AVENUE, SUITE 100
 PATRIOT RIDGE, FL 32909
 TEL: (888) 344-3444 FAX: (888) 344-3444

DATE	BY	CHK

**ROADWAY CROSS SECTION
 ROUNDABOUT AT
 NASSAU CROSSING FOR
 PATRIOT RIDGE, FL**

DATE: 07/15/08
 DRAWN BY: JLM
 CHECKED BY: JLM
 SCALE: 1"=10'-0"

NOTE: See Sheet 10
 For Precursor Structure



J. LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
 COMPANY OF ARCHITECTURE INC. (AEC)
 1100 N. W. 10th St., Suite 1000
 Ft. Lauderdale, FL 33304
 Tel: (954) 344-1000 Fax: (954) 344-1001

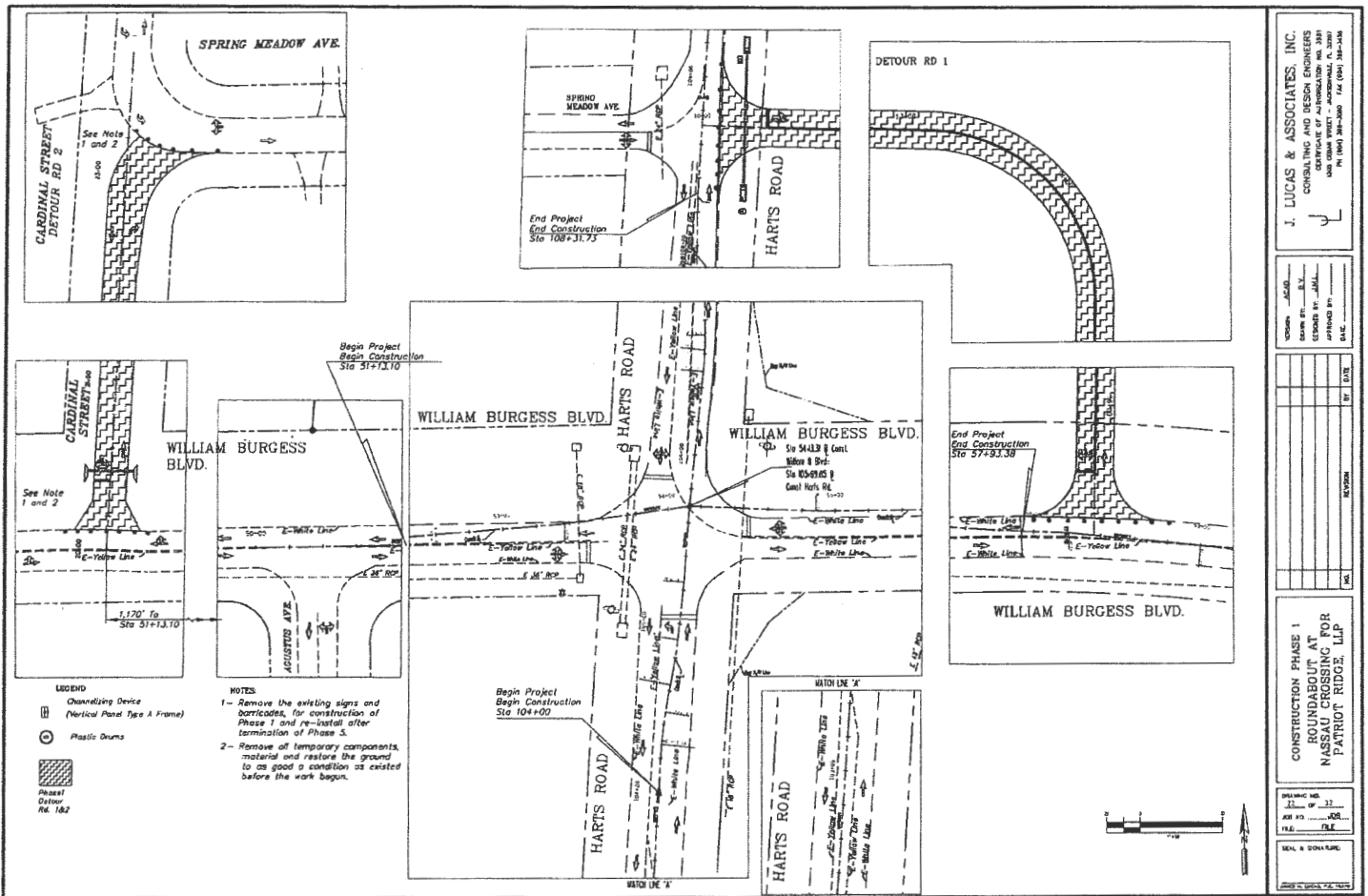
DATE: _____

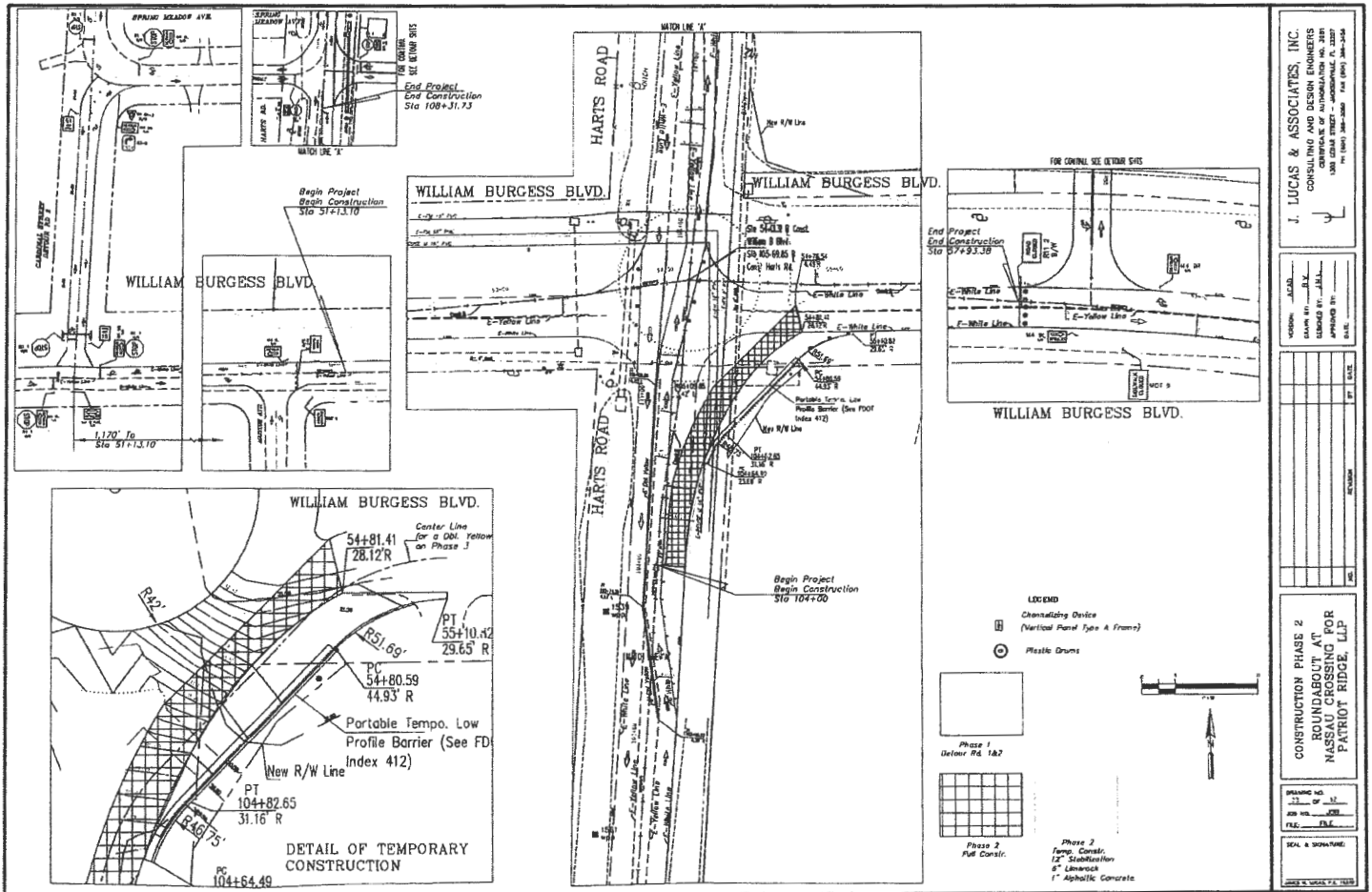
SCALE: _____

PROJECT: SIGNING ELEMENTS FOR ROUNDABOUT AT NASSAU CROSSING FOR PATRIOT RIDGE, LLP

DATE: _____

SCALE: _____



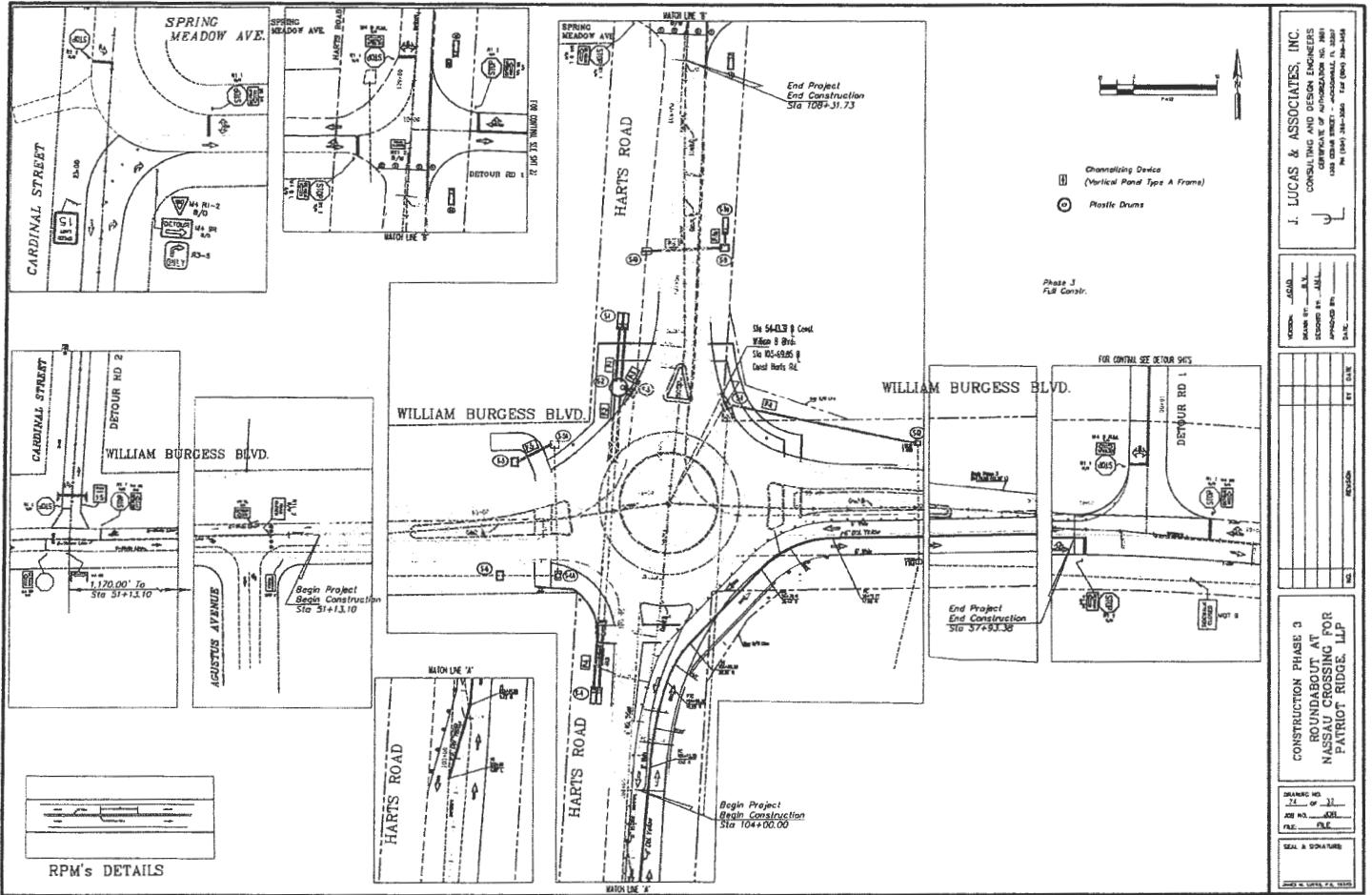


J. LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
 1400 22nd STREET - JACKSONVILLE, FL 32207
 TEL: (904) 384-0000 FAX: (904) 384-0048

DESIGNER:	ACAD	DATE:	
CHECKED BY:	J.H.L.	APPROVED BY:	
DATE:		DATE:	
SCALE:		SCALE:	
BY:		BY:	
DATE:		DATE:	

CONSTRUCTION PHASE 2
 ROUNDABOUT AT
 NASSAU CROSSING FOR
 PATRIOT RIDGE, LLP

ISSUED NO.	13	OF	17
JOB NO.	028	DATE	07/04
SCALE & SIGNATURE:			



J. LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
 CONTRACTOR OF ARCHITECTURE AND
 ENGINEERING
 10000 N. 10th St., Suite 100
 Phoenix, AZ 85020

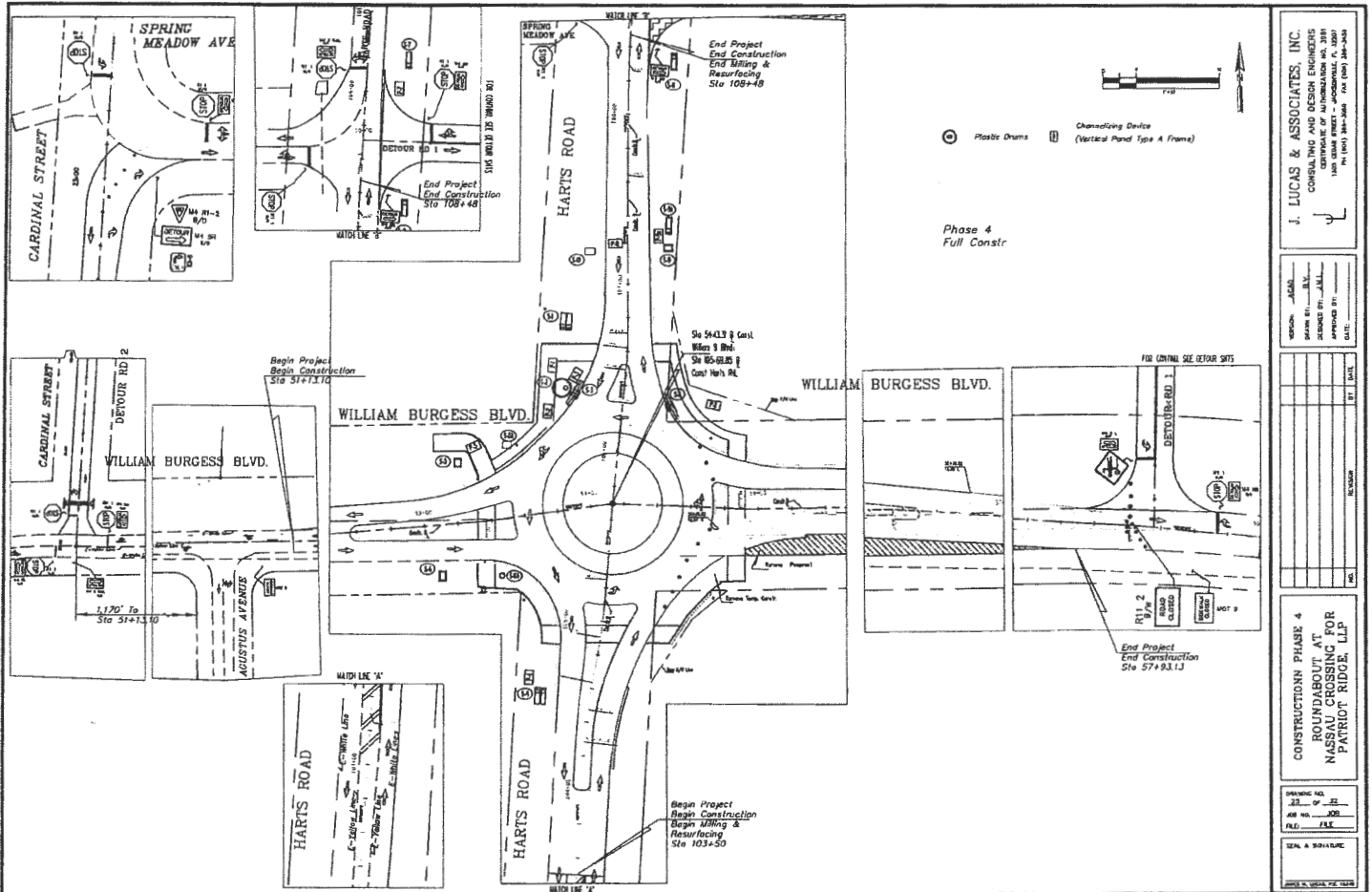
DATE	BY	CHK

NO.	REVISION

**CONSTRUCTION PHASE 3
 ROUNDABOUT AT
 NASSAU CROSSING FOR
 PATRIOT RIDGE, LLP**

DRAWING NO. 174-01-11
 SHEET NO. 001
 FILE: FILE
 SEAL & SIGNATURE

RPM's DETAILS



LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
 CERTIFICATE OF REGISTRATION NO. 2818
 LICENSED PROFESSIONAL ENGINEER
 IN THE STATE OF MASSACHUSETTS

DATE	BY	REVISION

CONSTRUCTION PHASE 4
ROUNDABOUT AT
WILLIAM BURGESS BLVD.
AND
HARTS ROAD
PATRIOT RIDGE, LLP

DRAWING NO. 23-07-02
 JOB NO. 208
 FILE # 147
 SEAL & SIGNATURE

Development Review General Notes:

- Engineering Plans approved does not constitute permission to violate any adopted Federal, State, or Local law, code, or ordinance.
- All work within the public streets and right-of-ways shall conform to Nassau County Land Development Codes (LDC), FDOT Standard Indices, Florida Greenbook, Nassau County Roadway and Drainage Standards, and Nassau County Standard Details as necessary. For any discrepancy between standards, the most stringent shall prevail.
- Per Nassau County Roadway and Drainage Standards, Ordinance 99-17 Section 8.2.4, site shall be constructed per approved construction drawings. Any substantial deviation shall be concisely reviewed by Engineer of Record and Nassau County Development Review Committee prior to field changes.
- A pre-construction meeting with Nassau County Engineering Services Construction Inspector is required. Attendees shall be Nassau County, Engineer of Record, Contractor, Testing firm, Paving firm, and utility companies per Nassau County Ordinance 99-17 Section 7.2.3. Nassau County may cancel pre-construction meeting if attendee list is inadequate. Nassau County Engineering Services can be reached at 904-830-6225.
- The contractor shall schedule and coordinate all work with the appropriate Nassau County Construction Inspector assigned to the project per Nassau County Ordinance 99-17 Section 7.2.
- 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.
- Per Nassau County Roadway and Drainage Standards, Ordinance 99-17 Section 11.8.1, any disturbed areas within Nassau County Right-of-Way shall be sodded.

- Per Nassau County Roadway and Drainage Standards, Ordinance 99-17 Section 7.4.1, at the time of final inspection, grassing shall be a minimum of seventy percent coverage and fully established and/or sodding to be one hundred percent coverage and stabilized.
- Engineer of Record approved shop drawings shall be provided to Nassau County Construction Inspector a minimum of one week before beginning structure installation.
- Parking at mail kiosks is required per Nassau County Roadway and Drainage Standards, Ordinance 99-17 Section 8.4. Mail kiosk locations are subject to USPS Postmaster approval.
- The developer's contractor is the single responsible party for the proper implementation of an Erosion Protection Sediment Control (EPSC) within each lot or construction site. This includes the responsibility for the accommodations of employees, subcontractors, and/or suppliers.
- Sidewalks to be provided and built in accordance Florida Building Code. All proposed sidewalks shall meet ADA requirements.
- The Contractor shall comply with current Florida accessibility standards for all work on this project.
- Per Ordinance 99-17 Section 8.5.1, minimum cover for water lines and force mains under pavement shall 42" and 36" in green areas.
- All water, sewer, and storm water construction within Nassau County ROW shall be accomplished by an underground utility contractor licensed under the provisions of Chapter 438 of the Florida Statutes.

- No work shall be permitted between the hours of 7:00 PM - 7:00AM without prior approval from Nassau County Engineering Services.
- All trees required to be protected shall be flagged for protection prior to clearing.
- All grading and placement of compacted fill shall be in accordance with the latest Nassau County Specifications.
- Any damages (skidwells, curbs, asphalt, ditch grading, et cetera) within Public Right-of-Way shall be repaired or replaced in accordance with Nassau County Specifications. Proposed repair method shall be approved by Nassau County Engineering Services.
- Any asphalt millings from Nassau County ROW shall be delivered to the Road Department Laydown yard located on Gema Lussome Boulevard or Pia Farm Road. Please contact the Road Department at (904) 530-6175.
- Per Nassau County Ordinance 99-17 Section 7.4.2 and 7.4.4, as-built drawings shall be submitted to Nassau County before a final inspection can be scheduled. As-built submittals will be in accordance with Nassau County as-built requirement checklist. As-built drawings shall be certified by required licensed surveyor and approved by Engineer of Record.

ROADWAY AND DRAINAGE STANDARDS NASSAU COUNTY ENGINEERING SERVICES DEPARTMENT	REVISION DATES	DEVELOPMENT REVIEW GENERAL NOTES	NOTE SHEET: 1
			DWG: ISSUED: 12/09/2020

LUCAS & ASSOCIATES, INC.
CONSULTING AND DESIGN ENGINEERS
REGISTERED PROFESSIONAL ENGINEERS
1380 DEAN STREET - JACKSONVILLE, FL 32207
PH: (904) 340-2880 FAX: (904) 340-2548

WORK: _____ DATE: _____
DRAWN BY: _____ CHECKED BY: _____
APPROVED BY: _____ DATE: _____

NO.	REVISION	DATE

NASSAU COUNTY NOTES
CONSTRUCTION AT NASSAU COUNTY CROSSING WITH PATRIOT RIDGE, LLP

DRAWING NO. 27 OF 32
JOB NO. 1710-1
P.L.T. 1710-1001

SEAL & SIGNATURE:
JERRY C. GUGA 7.6.1871

Stormwater Drainage Notes:

- All stormwater drainage facilities within Public Right-of-Way and paved areas, including Nassau County Right-of-Way, lane lanes, residential roadways, drive aisles for multi-family developments, and major drive aisles for commercial developments shall be laser profiled per FDOT Section 430.
- A builder cannot modify the County's storm water management system including the pipes, inlets, area drains, ditches and related elements typically within the street or within a drainage easement without the prior written approval of the County Engineer or designee.
- Drainage easements and ditches should remain free of stockpiled soil, sediment, mud, construction materials/debris, etc. culverts at all times. Positive stormwater flow must be maintained throughout construction.
- The contractor shall temporarily or permanently stabilize bare soil areas and soil stockpiles when the area is inactive for fourteen days or more or has reached finished grade.
- Per Ordinance 99-17 Section 11.11.5.4, all gravity flow pipe installations shall have a soil tight joint performance unless specific site factors warrant watertight joint performance.
- Per Ordinance 99-17 Section 18.6.5.1, immediately install additional Erosion Protection Sediment Control measures if sediment is leaving your site. Failure to contain sediment to your site may result in delayed inspections, notices of violation, citations, fines, penalties, and/or stop work orders.
- Per 99-17 Section 18.1.2.a-e, stormwater management for a project shall not have adverse effects on adjacent properties, downstream structures, or rights of other landowners.

Paving Notes:

- Per Nassau County Roadway and Drainage Standards, Ordinance 99-17 Section 12.2 and 12.4, a construction bond and 28-month maintenance bond will be required for all work within Nassau County Right-of-Way.
- A pre-pave meeting is required prior to any paving operations within Nassau County ROW, residential subdivisions, or multi-family developments.
- Approved mix designs shall be provided to Nassau County Construction Inspector 48 hours prior to pre-pave meeting or placement of concrete.
- Contractor is required to have a Certified QC Asphalt Level II Technician during any asphalt operations within Nassau County ROW, residential subdivisions, or multi-family developments.
- All bases shall be primed in accordance with Ordinance 99-17 Section 11.5.2.3, Nassau County Standard Details, and FDOT Standard Specifications.
- Signage and pavement markings shall be in compliance with Nassau County Standards, Manual on Uniform Traffic Control Devices (MUTCD), and FDOT Standard Plans.
- Maintenance of Traffic (MOT) shall be in compliance with FDOT Standard Index 500 Series.
- All work, materials, and testing performed within Nassau County Right-of-Way and single-family/multi-family developments shall be in accordance with the current revision of Nassau County's Ordinance 99-17 and all current Nassau County Standard Details.

- Per Ordinance 99-17 Section 11.8.2, all pavement markings within Nassau County ROW shall be laid free thermoplastic meeting Nassau County and FDOT Standard Specifications Latest Edition.
- Removing pavement markings within Nassau County ROW shall be:
 - Grinding or hydro-blasting on weathered asphalt surfaces.
 - Hydro-blasting only on new asphalt surfaces.
 - Paint Blackout is prohibited.
- Per Ordinance 99-17 Section 8.5.5, any damage to pavement resulting from construction or pavement marking removal within Public ROW not planned as part of the project shall be milled and overlaid for entire width of roadway and length of damage plus 50' in each direction.
- All underground utilities, or appropriate conduit sleeves, that are to be installed under pavement must be installed prior to preparation of the subgrade for pavement.
- Single Vertical Joints in roadway construction shall be avoided in Nassau County Right-of-Way using Nassau County Standard Detail #76.
- All drainage structures shall have traffic bearing grates that meet or exceed the rating for the facilities expected traffic.
- All concrete shall be a minimum of 3000 psi within Public Right-of-Way.

ROADWAY AND DRAINAGE STANDARDS NASSAU COUNTY ENGINEERING SERVICES DEPARTMENT	REVISION DATES	STORMWATER DRAINAGE & PAVING NOTES	NOTE SHEET: 2
			DWG: ISSUED: 12/09/2020

18" CURB & GUTTER
SPECIFIC USE: LOCAL ROAD CLASSES

HEADER CURB

SPECIFIC USE: PARKING LOTS, TREE PROTECTION, ETC. NOT FOR USE IN ROADWAYS UNLESS SPECIFIED BY THE ENGINEERING SERVICES DEPARTMENT

18" MIAMI TYPE CURB & GUTTER
SPECIFIC USE: LOCAL ROAD CLASSES

24" MIAMI TYPE CURB & GUTTER
SPECIFIC USE: LOCAL AND SENIOR COLLECTOR ROADWAY CLASSES

F.D.O.T. STANDARD TYPE "F" CURB AND GUTTER
SPECIFIC USE: LOCAL AND SENIOR COLLECTOR AND MAJOR COLLECTOR ROADWAY CLASSES

PIPE JOINT WRAPPING DETAIL
N.T.S.

FABRIC SILT FENCE DETAIL
N.T.S.

ROADWAY AND DRAINAGE STANDARDS
HASSAU COUNTY PUBLIC WORKS
ENGINEERING SERVICES DEPARTMENT

REVISION DATES	DETAIL NO. 14
	DWG. ADOPTED:

**CURB AND CURB & GUTTER
TYPICAL CONSTRUCTION DETAILS**

FLARED END CURB AND GUTTER TYPE F
FROM FDOT INDEX 300

TYPICAL SECTION AT POST
FROM FDOT INDEX 520

TYPICAL CONCRETE SIDEWALK SECTION
N.T.S.

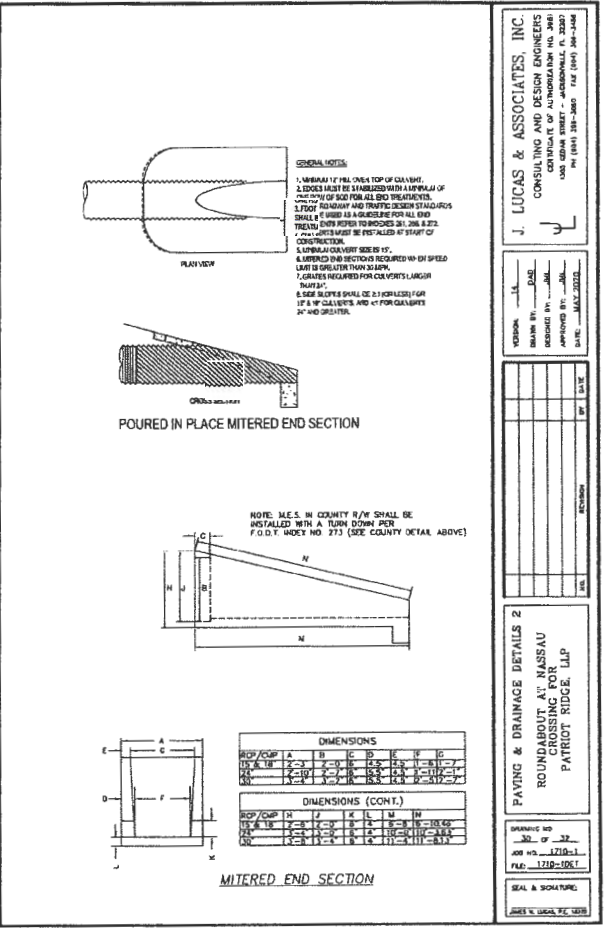
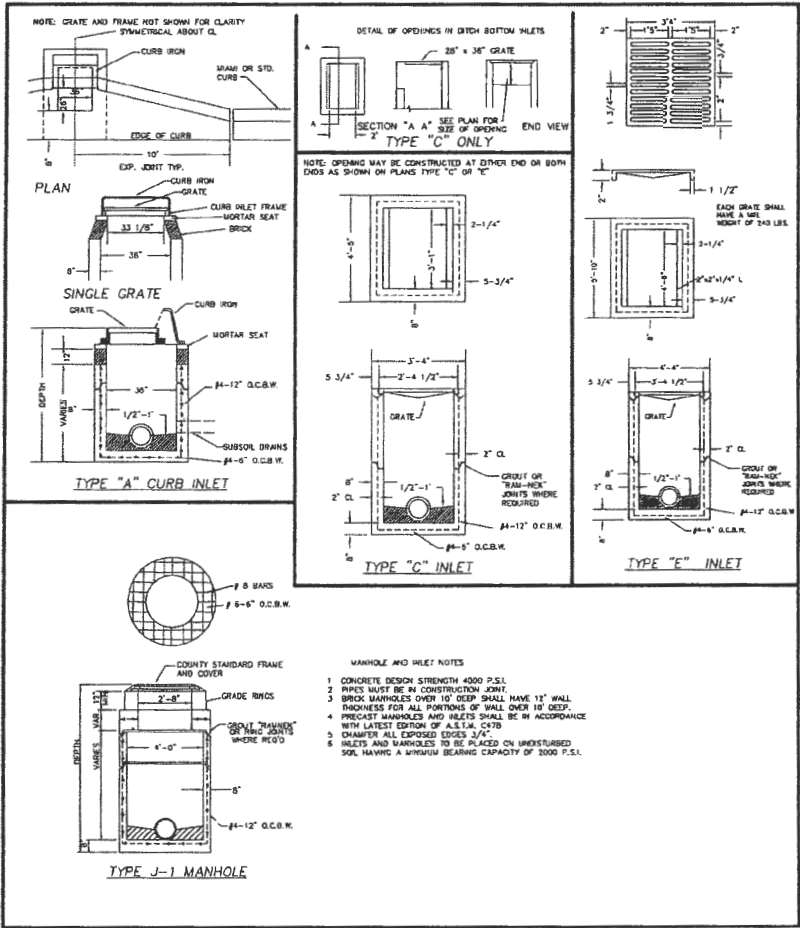
PAVING & DRAINAGE DETAILS 1
ROUNDABOUT AT HASSAU COUNTY PATRIOT RIDGE, I-17

DRAWING NO. 23 OF 32
JOB NO. 1710-1
FILE 1710-10ET

DATE & SIGNATURE: _____
SCALE: LOCAL P.L. 1/8" = 1'-0"

J. LUCAS & ASSOCIATES, INC.
CONSULTING AND DESIGN ENGINEERS
1000 E. BROAD STREET - JACOBUSDALE, FL 33507
PH: (601) 344-3880 FAX: (601) 344-3466

NO.	DATE	BY	DATE



J. LUCAS & ASSOCIATES, INC.
 CONSULTING AND DESIGN ENGINEERS
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 WEST PALM BEACH, FL 33411
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VERSION: 1.0
 DRAWN BY: JLB
 CHECKED BY: JLB
 APPROVED BY: JLB
 DATE: MAY 2022

PAVING & DRAINAGE DETAILS 2
 ROUNDABOUT AT NASSAU
 COUNTY, FLORIDA
 PATRIOT RIDGE, FLIP

DRAWING NO. 37
 JOB NO. 2218-1
 FILE 2218-1001

SEAL & SIGNATURE
 J. LUCAS, P.E., REG.

