



ADDENDUM No. 1

Bid No. 25-034 Johnston Road at FPFWCD Canals 16 & 17 Culvert Replacement

May 27, 2025

To: All Prospective Bidders:

The following changes, additions, clarifications, and deletions amend the Bid Documents of the above captioned Project and shall become an integral part of the Contract Documents. Please note the contents herein and affix same to the documents you have on hand. Indicate on the Bid Form that this Addendum has been received.

ATTACHMENT:

- Pre-bid Meeting Minutes
- Pre-bid Meeting Sign-in Sheet
- Revised Section 00300 Bid Form
- ➤ Revision to Johnston Road over FPFWCD Canal 16 Culvert replacement. This revision includes, on sheet 6 of the C-16 plans, to change the two details stating "Remove Exist. Guardrail End and Replace" to "Remove Exist. Guardrail" Revised Sheet 6 of the plan is included as part of this addendum.
- Revision to Johnston Road over FPFWCD Canal 17 Culvert Replacement. These revisions to the attached plans (labeled Johnston Road at Canal-17 Revised Bid Plans 1) include:
 - On Sheet 3, pay item footnotes under 400-80A changed from "27,000 GPM" to 37,000 GPM. Under the same section the EOR eliminated the last sentence stating, "This pay item will not be invoiced if not used" On the same sheet, under the summary of pay items and pay item footnotes the pay item number 400-91 changed to 400-90A Construction Dewatering.
 - On sheet 5, under Proposed Construction Phasing we changed just the number under pay item 3 from "item 400-91" to "item 400 90A".
 - On sheet 6, under note B on the bottom right, we changed pay item number to 400-80A instead of what is stated as "400-90A"
- Revision to the Bid Documents (named 00300 Bid Form draft final with addendum revisions 5.23). The revisions include:
 - On page 11, in the event of a significant storm, the Contractor shall provide a pumping system
 that will be capable of diverting stormwater around the work area at a capacity of 27,000 GPM,
 this number was changed to 37,000 GPM.
 - On page 19 same situation, in the event of a significant storm, the Contractor shall provide a
 pumping system that will be capable of diverting stormwater around the work area at a capacity
 of 27,000 GPM, this number was changed to 37,000 GPM.
 - On page 20, a paragraph was added to the 400-90A Construction Dewatering Pay item description. The Paragraph states, "If required for the project, the Contractor shall include in

this items all costs associated with the obtaining a Dewatering Permit. A copy of the approved permit must be submitted to the County".

Culvert 16 is approximately: \$761,000.00 including 10% contingency Culvert 17 is approximately: \$1,096,000.00 including 10% contingency

Please sign and include in submittal.	
Name of Firm:	
Signature:	
Date:	



Pre-Bid Meeting Agenda

Johnston Road over FPFWCD C-16 and C-17 Culvert Replacements Minutes

SLC Project Numbers – 15-200 & 16-202 May 21st, 2025 at 1:30 p.m.

This Pre-Bid meeting is: ⊠ Mandatory □ Voluntary

Introductions

Daniel Finz - Project Manager, SLC Edmund Bas, P.E. Assistant County Engineer, SLC Frank Watanabe, P.E., SLC Brian Good, P.E. – Kimley- Horn Stephen Cooper, P.E. – Stephen Cooper & Associates

Project Overview

These projects consist of replacing two (2) existing 84" CMPs under Johnston Road at FPFWCD canals 16 & 17 with 10' x 6' box culverts. In addition, removing and replacing eight (8) side drains connected to the box culverts and armoring each bank with riprap.

This project also entails the following:

- Maintaining the existing drainage
- Slope restoration armoring the bank with riprap.
- Installation of mitered end sections on each end of box culverts
- Construct roadways, restoration, and overlay.
- Installation of signage and markings
- Guardrail removal

Project Schedule

It is anticipated that the project will be awarded in July 2025. The Pre-Construction Meeting will be scheduled as soon as practical following the award of the project. Notice to Proceed will be issued upon receipt of executed contracts from the winning bidder. It is required that work begins within 10 calendar days, and that construction be substantially completed within 150 calendar days from the Notice to Proceed date.

Daniel Corrected the number of days construction be substantially completed to 150 as per bid documents and contract in the advertisement.

Items to Note

- Shop Drawings
- Interaction with residents
- MOT
- Maintenance of Existing Drainage

A few questions came up about the Maintenance of Existing drainage pay item. A few representatives at the meeting stated the number of GPM of capacity the pumping system will provide contradicted in the plans compared to the bid docs.



Pre-Bid Meeting Agenda

Daniel reviewed the plans and bid documents to confirm this, while Brian Good from Kimley Horn stated the correct number of GPM is 37,000 GPM as stated in the plans. Daniel stated that he would make a correction to the bid documents and the plans in an addendum form.

A representative from a Contracting Firm also brought up the fact that the plans stated on Sheet 3 under pay item footnotes 400-80A "this pay item will not be invoice if not used". Daniel explained the pay item for 400-80A and what all would encompass within that pay item and said he would investigate the language and correct any contradicting notes.

Bid Opening and Questions

Bids will be opened at 3:00 p.m. on June 4, 2025. The Contractor shall address all questions to the SLC Purchasing Division in writing via email to Desiree Cimino at ciminod@stlucieco.org no later than 5:00 p.m. on May 30, 2025.

Testing of Material

SLC will pay for passing tests. All failed tests and stand-by time will be at the Contractor's expense and will be subtracted from the Final Pay Request. Overtime charges for work performed before or after the normal work hours, or on weekends shall be paid by the Contractor.

Daniel review the pay items and asked Brian Good what all testing needed to be done. They agreed that compaction testing of the subgrade is the only testing by Geotechnical analysis needed during the project. Stephen Cooper confirmed that all other testing will be done through shop drawings. i.e precast concrete box culverts.

Permitting

The County has obtained the following permits for this project, and the Contractor must comply with all their requirements:

SFWMD No. 56-108911-P
 ED: 06/07/2028
 SFWMD No. 56-104656-P
 FPFWCD No. 023-005-16
 FPFWCD No. 020-011-17
 ED: 03/10/2027
 ED: 03/10/2027

The Contractor shall secure all other permits necessary to construct and complete the project. The NPDES Permit if necessary, must be secured and maintained during construction. Dewatering Permit, if necessary, shall be also secured by the Contractor.

Maintenance of Traffic

At no time is live traffic permitted on the road while project is under construction. The Contractor is responsible for all costs associated with the road closures as depicted in the MOT plan for the Johnston Road Culvert Replacement on the Construction Plans Drawing C-09

The contractor shall mobilize portable changeable message signs (PCMS) at the approaches to the project limits 14 days before the beginning of construction.



Pre-Bid Meeting Agenda

A Contractor representative asked if both culverts will be closed at the same time. Daniel stated that the MOT will be conducted one culvert repair at a time. In other words, the road closure signs move from one replacement to the other after the completion of the first one. The detour stays the same.

Staging Area

The Contractor will be permitted to stage materials in the County Right of Way providing the proper Maintenance of Traffic is implemented. It will be the responsibility of the Contractor to coordinate any potential staging areas in private property with the property owner and provide written proof to the County before utilizing that area. The Contractor must be considerate of the resident's need to access their properties throughout the project. The Contractor will be responsible for the restoration of the staging area at no additional cost to the County. All areas disturbed shall be restored to their original condition or better.

Work Hours

All work shall take place Monday through Friday, between 8:00 a.m. and 5:00 p.m. Requests for working outside of these hours must be submitted in advance to the County in writing for approval. Any inspections performed before or after the normal work hours, or on weekends shall be considered overtime and shall be paid by the Contractor. No work will be permitted on holidays.

Utility Coordination

The following Utility Owners were identified to have existing facilities within the project limits:

- AT&T
- Crown Castle
- FPL

General Discussion and Questions

A Contractor representative asked about the C-17 double fence gate needing to be removed and reinstalled at the end of the job. Brian Good explained the proposed improvements contain existing fencing that will need to be replaced and are shown on our plans on sheet 6-7. Under pay item note 550-10-110 we detail the installation and removal of temporary fencing as it's currently being utilized to contain cattle. The placement of the temporary fencing can be found on sheet 7 of our plans.

A Representative asked if there were cost estimates to these projects and Daniel confirmed that there would be an addendum sent out with the estimates if not already done so. There was a request for estimates already sent to our purchasing department and he confirmed that was the case and he will make sure it is posted before the opening of the bids.

Representative(s) brought up sheet 6 on the C-16 Culvert replacement and asked why replacement material for the guardrails are not included in the play items, even though it states in the plans "removed exist guardrail end and replace". Stephen Cooper stated that he would review the sheet and get back to Daniel to add an addendum to the bid if needed. In conclusion Stephen Cooper has decided to change the plans to say just "remove exist. Guardrail" and guardrail removal is included in the current pay items in the correct quantity. This correction will be sent in the form of an addendum.



Pre-Bid Meeting Agenda

A representative also asked what the flow rate for the canals were and Stephen Cooper said he would get with FPFWCD to confirm the correct cfs number. The correct existing flow for the canals are at a minimum of 150 cfs, the design flow is 222 cfs, and the maximum flow is 250 cfs.

Meeting was adjourned at 2:08 pm



SIGN IN SHEET Mandatory Pre-Bid Meeting

Bid No. 25-034 Johnston Road at FPFWCD Canals 16 & 17 Culvert Replacement

5/21/2025 @ 1:30 P.M.

(PL	EASE	PRINT)	
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	(PLEASE PR	INT)	
COMPANY	FERRETKA	COMPANY	West Wind Consequing
REPRESENTATIVE	ERIC WILLENGERY	REPRESENTATIVE	Tayler Gonzaliz
PHONE	56.446-5448	PHONE	(305) 967-2911
E mail Eurill and	ELLICE FERRIZACONSTANIA	E mail	Tavier 6 8 (Next wind Contracting, com
COMPANY	Heavy Civil Inc.	COMPANY	Timothy Rose Contracting
REPRESENTATIVE	Tiffany Kestex	REPRESENTATIVE	April Goddard
PHONE	186-972-4874	PHONE	9034520011
E mail	Hiffany@heavyCivilinc.a	E mail	accounting atimothy rosecontraction
COMPANY	D.N. Hagins	COMPANY	BDI Marine Corpaines
REPRESENTATIVE	Donnie Reynolds	REPRESENTATIVE	Briden Keenan
PHONE	863 900 1775	PHONE	1(1-532-2705
E mail	Donnie R@ DN Hygins.com	E mail	andra C BOTMaincards: to . con
COMPANY	Environmental land Developme	COMPANY	PRP COUST
REPRESENTATIVE	Jake Velando	REPRESENTATIVE	The Mook
PHONE	772-418-6844	PHONE	772-597-6923
E mail	1cveld 2004 Contration	E mail	ppdmoste a smill.com
COMPANY	ELD FAC,	COMPANY	Johnson-Davis Inc.
REPRESENTATIVE	Will Tindal	REPRESENTATIVE	Melissa Trejo
PHONE	772519-6278	PHONE	v
E mail	willeld2004Domail.com	E mail	mtrejo@phnsondavis.com
COMPANY	CAthCARt Confedencempung	COMPANY	Cone & Graham
REPRESENTATIVE	Chris Podkovur	REPRESENTATIVE	Krystina DeRienzo
PHONE	772-453-7366	PHONE	772-828-3312
E mail	CPodKovKA@CHHCget Censtuding	E mail	Kderienzo@conegrahan-com
	c on mount		

Jumes Cooper SCPE INC. Com 772-336-2933

Steph Coge Scle Scoope @ Screinc. Con (172) 336-2933

MARIELLA OLBOIN RSENGINERING FL @ GMAL. COM \$5619394848.

Sabrina Butter Sabrina @ Custombuiltmanine.com 772-408-3369. Dayne Penning

Edmand Bas Edmand Basa Stlucieco, gov

SECTION 00300 BID FORM and TECHNICAL SPECIFICATIONS

Board of County Commissioners
St. Lucie County, Florida
2300 Virginia Avenue
Fort Pierce, FL 34982

I have received the documents titled **Johnston Road At FPFWCD Canals 16 & 17 Culvert Replacements** I have also received addendum number <u>XX</u> through XX and have included their provisions in my bid. I have examined both the bid documents and the construction site and submit the following bid to which I agree:

- 1. To hold my bid open until an agreement has been executed between St. Lucie County and accepted Bidder, including receipt of the Public Construction and Maintenance Bonds, or until <u>90</u> days after bids are opened, whichever is longer. The winning bidder should expect to begin construction by the end of August 2025.
- 2. Regarding the Disposition of Bid Security: to accept the provisions of the Instructions to the Bidders.
- 3. To enter into and execute a Contract on the basis of this bid and to furnish a 100% Public Construction Bond in accordance with the Instructions to Bidders to guarantee my workmanship and materials to be free from construction defects for a period of not less than one (1) year, if this bid is accepted.
- 4. To accomplish the work included in, and in accordance with, the Contract Documents, if this bid is accepted.
- 5. To start work within ten (10) calendar days from the date of the Notice to Proceed and thereafter to substantial work completion of the titled JOHNSTON ROAD AT FPFWCD CANALS 16 & 17 CULVERT REPLACEMENT within One hundred eighty (150) calendar days. Final work completion within Sixty five (65) calendar days following substantial work completion, unless the time is modified by provisions of the contract, if this bid is accepted.
- 6. Regarding Compensation for the proposed work: if this bid is accepted, I will construct this project on a unit price basis as reflected in the Bid Unit Price Schedule on page 300-2 through 300-5

 JOHNSTON ROAD AT FPFWCD CANALS 16 & 17 CULVERT REPLACEMENT of this bid.
- 7. Regarding the Award of the Contract: if I am awarded a contract for this project, I understand that the award may be for all or any portion thereof of the items listed under the Bid Unit Price Schedule.

BID UNIT PRICE SCHEDULE BID # 25-034 JOHNSTON ROAD AT FPFWCD CANALS 16 & 17 CULVERT REPLACEMENT

ITEM NO.	<u>DESCRIPTION</u>	EST. QUAN	UNIT MEAS URE	UNIT PRICE	AMOUNT
	FPFWCD C-16 Canal Co	ulvert			
101-1A	Mobilization/Demobilization	1	LS	\$	\$
102-1A	Maintenance Of Traffic	1	LS	\$	\$
104-2A	Prevention, Control, & Abatement of Erosion & Water Pollution	1	LS	\$	\$
110-1-1	Clearing & Grubbing	1	LS	\$	\$
110-7-1	Mailbox, F&I Single	1	EA	\$	\$
120-1A	Regular Excavation/Embankment	1	LS	\$	\$
160-4	Type B Stabilization, LBR 40, 12"	7	SY	\$	\$
199-1A	Construction Layout & Record Drawings	1	LS	\$	\$
285-718A	Optional Base, Cemented Coquina (LBR 100) (18")	180	SY	\$	\$
334-1-13A	Superpave Asphaltic Concrete, (1") (Traffic C, SP-9.5) (PG 76-22)	12	TN	\$	\$
334-1-13B	Superpave Asphaltic Concrete, (1.5") (Traffic C, SP-12.5) (PG 76-22)	9	TN	\$	\$
400-2-1	Concrete Class II (Concrete Collars, 4000 PSI)	13	CY	\$	\$
400-80A	Maintenance of Existing Drainage	1	LS	\$	\$
400-90A	Construction Dewatering	1	LS	\$	\$
407-1-11A	Precast Concrete Box Culvert (10'(Span) X (6'(Rise)	120	LF	\$	\$
430-174-124	Pipe Culvert, RCP, Round, 24", (S/CD) (CLIII)	186	LF	\$	\$
430-984-129	Mitered End Section, Round, 24", (SD)	4	EA	\$	\$
530-3-4	Riprap, Rubble, F&I, Ditch Lining	419	TN	\$	\$
530-74	Bedding Stone	77	TN	\$	\$
536-73	Guardrail Removal	250	LF	\$	\$

St. Lucie County Engineering Division

Project #15-200/16-202

ITEM NO.	<u>DESCRIPTION</u>	EST. QUAN	UNIT MEAS URE	UNIT PRICE	AMOUNT
570-1-2	Performance Turf, Sod	968	SY	\$	\$
700-1-11	Single Post Sign (Ground Mount)(F&I)(<12SF)	4	AS	\$	\$
706-1-3	Raised Pavement Marker, Type B	2	EA	\$	\$
711-11-111A	Thermoplastic, Standard, White, Solid, 6"	176	LF	\$	\$
711-11-231	Thermoplastic, Standard, Yellow, Skip, 6"	30	LF	\$	\$
1000-1A	Utility Coordination	1	LS	\$	\$
	TOTAL ESTIMATED AMOUNT (Based on Bid U Quantities) C-16 CANAL CULVERT	Jnit Prices &	Estimate	d	

ITEM NO.	DESCRIPTION	EST. QUAN	UNIT MEA SUR	UNIT PRICE	AMOUNT
	FPFWCD C-17 Canal Cu	lvert			
101-1A	Mobilization/Demobilization	1	LS	\$	\$
102-1A	Maintenance Of Traffic	1	LS	\$	\$
104-2A	Prevention, Control, & Abatement of Erosion & Water Pollution	1	LS	\$	\$
110-1-1	Clearing & Grubbing	1	LS	\$	\$
120-1A	Regular Excavation/Embankment	1	LS	\$	\$
199-1A	Construction Layout/Record Drawings	1	LS	\$	\$
285-718A	Optional Base, Cemented Coquina (LBR 100) (18")	89	SY	\$	\$
334-1-13A	Superpave Asphaltic Concrete, (1") (Traffic C, SP-9.5, PG76-22)	22	TN	\$	\$
334-1-13B	Superpave Asphaltic Concrete, (1.5") (Traffic C, SP-12.5, PG76-22)	8	TN	\$	\$
400-2-1	Concrete Class II (Concrete Collars, 4000 PSI)	12.7	CY	\$	\$
400-80A	Maintenance of Existing Drainage	1	LS	\$	\$
400-90A	Construction Dewatering	1	LS	\$	\$
407-1-11A	Precast Concrete Box Culvert (10'(Span) X (6'(Rise)	144	LF	\$	\$
430-174-124	Pipe Culvert, RCP, Round, 24", (S/CD) (CLIII)	256	LF	\$	\$
430-984-129	Mitered End Section , Round, 24", (SD)	4	EA	\$	\$
530-3-4	Riprap, Rubble, F&I, Ditch Lining	500	TN	\$	\$
530-74	Bedding Stone	270	TN	\$	\$
536-73	Guardrail Removal	392	LF	\$	\$
550-10-110	Fencing (Type A, 4 Ft Height)	305	LF	\$	\$
550-60-513	Fence Gate (Remove & Reset)	1	EA	\$	\$
570-1-2	Performance Turf, Sod,	2400	SY	\$	\$

ITEM NO.	DESCRIPTION	EST. QUAN	UNIT MEASURE	UNIT PRICE	<u>AMOUNT</u>
700-1-11	Single Post Sign (Ground Mount)(F&I)(<12SF)	4	AS	\$	\$
706-1-3	Raised Pavement Markers, Type B	8	EA	\$	\$
711-11-111A	Thermoplastic, Standard, White, Solid, 6"	260	LF	\$	\$
711-11-231A	Thermoplastic, Standard, Yellow, Skip, 6"	130	LF	\$	\$
1000-1A	Utility Coordination	1	LS	\$	\$
	TOTAL ESTIMATED AMOUNT (Based on Bid Unit Prices & Estimated Quantities) C-17 CANAL CULVERT			\$	
	TOTAL ESTIMATED AMOUNT (Based on Bid Unit Prices & Estimated Quantities) C-16 CANAL CULVERT + C-17 CANAL CULVERT				\$
	CONSTRUCTION CONTINGENCY ALLOWANCE (10 % of Base Bid)			\$	
TOTAL ESTIMATED AMOUNT (Based on Bid Unit Prices, Estimated Quantities, C-16 Canal + C-17 Canal + 10 % Contingency)			\$		

BID UNIT PRICE SCHEDULE

All bid items shall include all costs for furnishing to the owner all materials, equipment and supplies, permits and for all costs incurred in providing all work shown on the **Johnston Road at FPFWCD Canals 16 & 17 Culvert Replacement** construction project drawings and outlined in the contract specifications for the construction.

NOTE: This bid is on a unit price basis. The total estimated amount is for bid comparison purposes only. The contractor should field verify the actual site conditions prior to time of bidding and before submitting the bid proposal. The contractor should read the special conditions and the requirements for insurance before submitting a bid proposal. The contractor should verify the quantities to be included in the construction contract. The contractor shall furnish St. Lucie County with a Public Construction Bond in 100% of the total estimated amount of the contract. The Public Construction Bond shall continue in effect for one (1) year after completion and acceptance of the work as guarantee against construction defects. The contractor in its bid shall include the cost of said bond. Density testing shall be at the expense of St. Lucie County, except for failing or cancelled tests, which shall be charged to the contractor.

I have attached the required 5% Bid Security to this Bid.

Date		
Bidder		
By		
By		
Title		
Mailing Address		
Office Number		
Fax Number		

BID ITEMS:

The governing specifications for this project are the Florida Department of Transportation Standard Specifications for Road and Bridge Construction Dated FY2023/24 and FDOT FY2023-2024 Standard Plans.

QUALITY CONTROL AND INSPECTION: CONTRACTOR is hereby notified that at the COUNTY'S discretion, the COUNTY/ COUNTY REPRESENTATIVE may make one or more visits to the manufacturer's drainage structures or pipe plant. The purpose shall be to inspect the pipes and/or drainage structures as they are being produced. If the COUNTY notifies the CONTRACTOR that the COUNTY/ COUNTY REPRESENTATIVE will be inspecting, then only items that have been inspected during the manufacturing process and stamped by the COUNTY/ COUNTY REPRESENTATIVE shall be delivered to the project site. This inspection by the COUNTY/ COUNTY REPRESENTATIVE in no way precludes the COUNTY'S right and ability to reject damaged pipe as a result of manufacturing, transporting, handling, installing/laying, videoing, etc. It shall be the CONTRACTOR'S responsibility to coordinate this inspection with the COUNTY and to determine the manufacturer's schedule and to ensure that the procurement of these materials does not impact the CONTRACTOR'S overall project schedule. No additional time or compensation will be made to the CONTRACTOR for complying with the requirements set forth above.

The following information is in addition to the specifications previously referenced:

FPFWCD CANAL C-16

101-1A Mobilization/Demobilization

The work specified in this section shall include but not be limited to the requirements of Section 101 Mobilization of the Standard Specifications as well as all operations and preparations necessary to begin and end the work on the project. This shall also include those operations necessary for the movement of personnel, equipment, material, and incidentals to the site, establishment of safety equipment, first aid supplies, and sanitary facilities, as required by the Contract Documents. The cost of required bonds and any insurance(s) shall be included in this item.

Aside from the permits included in the bid documents, the contractor shall be responsible for any costs associated with acquiring other permits necessary to complete the project.

All payment requests shall include record drawings confirming that pay items are situated in their final locations. It is anticipated that expenses related to this item shall be spread uniformly throughout the project.

The costs in this section shall include, but not limited to, mowing existing sod and maintenance of existing right-of-way within the project limits inclusive for mowing and litter removal for the project duration.

The work specified in this section shall also include a pre-construction video of the project limits to be submitted to the County before the beginning of construction.

At the pre-construction meeting, the CONTRACTOR shall submit a tentative work schedule, a list of subcontractors and suppliers, and emergency contact people with their respective phone numbers.

The project superintendent shall provide the ENGINEER with a cellular phone number for 24-hour access at the preconstruction meeting. It will be incumbent upon the CONTRACTOR to answer all calls or respond to any missed calls within thirty (30) minutes.

St. Lucie County Engineering Division The basis of payment for **Mobilization/Demobilization** shall be paid as LUMP SUM in accordance with the following schedule:

Percent Contract	Allowable Percentage
Amount Earned	of Lump Sum Price
25%	25%
50%	50%
75%	75%
100%	100%

102-1A Maintenance of Traffic

The bid price for this item shall include, but not be limited to, the requirements of Section 102 Maintenance of Traffic of the Standard Specifications. The maintenance of traffic for this project shall be in accordance with the applicable FDOT index numbers (600 Series) and these documents: The Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways, U.S. Department of Transportation (DOT), and Florida Highway Administration (FHWA). These documents shall be followed in the design, application, installation, maintenance, and removal. It shall include, but not be limited to all traffic control devices, warning devices, barriers, temporary reflective markers, temporary pavement markings, dust control, and all other items necessary to protect the public and workmen from hazards within the project limits.

The contractor shall mobilize portable changeable message signs (PCMS) at the approaches to the project limits 14 days before the beginning of construction. PCMS shall also be installed 7 days before phase changes of the traffic control plan.

CONTRACTOR shall coordinate any type of traffic restrictions with the St. Lucie County Engineering Division. The CONTRACTOR shall notify the St. Lucie County Engineering Division of any road restrictions at least two (2) weeks prior to actual implementation.

At no time is live traffic permitted on the road while project is under construction. CONTRACTOR is responsible for all costs associated with the road closure and Maintenance of Traffic plan as depicted in the Johnston Road Culvert Replacement at FPFWCD Canal 16 Construction Plans Drawing C-09.

Any road closure and lane restriction requests must be APPROVED by the St. Lucie County Engineer a minimum of 2 weeks prior to implementation.

The basis of payment for **Maintenance of Traffic** shall be paid as per LUMP SUM.

104-2A Prevention, Control, and Abatement of Erosion and Water Pollution

The bid price for this item shall include but not be limited to the requirements of Section 104 Prevention, Control, and Abatement of Erosion and Water Pollution of the Standard Specifications. The methods shall include but are not limited to the following options: hay bales, silt fences, soil tracking prevention devices, and/or turbidity barriers. The existing drainage system within the project limits must be always maintained. The Contractor shall maintain all earthwork construction throughout the life of the contract and shall take all reasonable precautions to prevent the loss of material from the construction site due to the action of wind or water. The Contractor shall repair at their expense, except otherwise provided herein, any slides, washouts, settlements, subsidence, or other mishaps, that may occur prior to final acceptance of the work. Maintenance

and protection of earthwork construction shall be in accordance with Section 104 Prevention, Control, and Abatement of Erosion and Water Pollution of the Standard Specifications.

The CONTRACTOR shall be responsible for any and all costs associated with the permitting and implementation of a National Pollution Discharge Elimination System (NPDES) Stormwater Pollution Prevention Plan (SWPPP).

The basis of payment for Prevention, Control, and Abatement of Erosion and Water Pollution shall be paid as LUMP SUM.

110-1-1 Clearing and Grubbing

The bid price for this item shall include, but not be limited to, the requirements of Section 110 Clearing and Grubbing of the Standard Specifications.

The unit cost shall include the clearing of all areas within the limits of construction in the roadway right-of-way, including but not limited to all necessary hauling, furnishing equipment, and equipment operation, for the removal and disposal of all buildings, timber, brush, trees, stumps, roots, rubbish, debris, existing flexible pavement and base, drainage structures, culverts, and pipes. Remove all other obstructions resting on or protruding through the surface of the existing ground and the surface of the excavated areas.

The CONTRACTOR shall coordinate any type of restrictions with the County and comply with areas so designated. Any tree that may be salvaged, not impacted, or removed is encouraged and should be coordinated with the County's Environmental Regulations Division at 772-462-2526. Native vegetation that is not in the areas of the proposed construction parameters is to remain undisturbed.

The basis of payment for the **Clearing and Grubbing** shall be paid as LUMP SUM.

110-7-1 Mailbox, F&I Single

The bid price for this item shall include, but not be limited to, the requirements of Section 110 Mailbox (Remove, Protect and Reset) of the Standard Specifications. The unit cost shall include, but not be limited to the required manpower, equipment, material, and other costs involved in the furnish and install of mailboxes within the limits of construction.

The basis of payment for the **Mailbox**, **F&I Single** shall be paid as per EACH.

120-1A Regular Excavation/Embankment

The bid price for this item shall include, but not be limited to, the requirements of Section 120 Excavation and Embankment of the Standard Specifications. The unit cost shall include, but not be limited to the required manpower, equipment, materials, and any other items necessary as described within the plans. The unit cost shall consist of excavation and utilization or disposal of all materials necessary for the construction of the box culverts, roadway, shoulders, roadside swales, canal grading, and any other areas to achieve the design intent.

The Contractor shall be responsible for all grading included in the cost of excavation and embankment.

The basis of payment for **Regular Excavation/Embankment** shall be paid as LUMP SUM.

160-4 Type "B" Stabilization (12")

The bid price for this item shall include, but not be limited to, the requirements of Section 160 Stabilizing of the Standard Specifications. The unit cost shall include, but not be limited to the required manpower,

St. Lucie County Engineering Division Project #15-200/16-202

equipment, materials, furnishing, spreading and mixing of all stabilizing material required, any reprocessing of stabilization area necessary to attain the specified bearing value and any other items necessary as described within the plans.

The basis of payment for Type "B" Stabilization shall be paid as per SQUARE YARD.

199-1A Construction Layout/Record Drawings

The bid price for this item shall include, but not be limited to the requirements of Section 5 of the Standard Specifications for the laying out of the construction work, and Section 7 of the Standard Specifications for the preparation and submittal of the as-built plans.

The unit cost shall include, but not be limited to the required manpower, equipment, material, and other costs to layout the control points shown in the plans. Establish the horizontal and vertical controls necessary to construct the work in conformity with the contract documents. Perform all calculations required, and set all stakes needed such as grade stakes, offset stakes, reference point stakes, and other reference marks or points necessary to provide lines and grades. The bid price shall also include preparing (1) electronic copy in PDF format and DWG format (Latest Version) of record drawings of the completed project showing all variations from the bid plans. The final document shall be signed and sealed by a professional surveyor registered to practice in the State of Florida and then submitted to the Engineer for approval. The Contractor shall accurately record the locations and elevations of the pipework and existing utilities and structures encountered during construction. All payment requests shall include record drawings confirming that pay items are situated in their final locations. It is anticipated that expenses related to this item shall be spread uniformly throughout the duration of the project.

The basis of payment for Construction Layout/Record Drawing shall be paid as per LUMP SUM.

285-718A Optional Base (Cemented Coquina, LBR 100, 18")

The bid price for this item shall include, but not be limited to, the requirements of Section 285 Optional Base Course of the Standard Specifications. The unit cost shall include, but not be limited to the required manpower, equipment, materials, and any other items necessary as described within the plans. This item shall also include the cost for the supply and application of the prime coat.

The basis of payment for Cemented Coquina (LBR 100) (18") shall be paid per SQUARE YARD.

334-1-13A Superpave Asphaltic Concrete, (1") (Traffic C, SP-9.5, PG76-22)

The bid price for this item shall include, but not be limited to, the requirements of Section 334 Superpave Asphalt Concrete of the Standard Specifications. This item shall also include the cost for the supply and application of tack coat.

The Contractor shall submit a mix design to the County for approval prior to ordering or placing any asphalt.

The basis of payment for Superpave Asphaltic Concrete, (1") (Traffic C, SP-9.5, PG76-22) shall be paid as per TON.

334-1-13B Superpave Asphaltic Concrete, (1.5") (Traffic C, SP-12.5, PG76-22)

The bid price for this item shall include, but not be limited to, the requirements of Section 334 Superpave Asphalt Concrete of the Standard Specifications. This item shall also include the cost for the supply and

application of tack coat.

The Contractor shall submit a mix design to the County for approval prior to ordering or placing any asphalt.

The basis of payment for Superpave Asphaltic Concrete, (1.5") (Traffic C, SP-12.5, PG76-22) shall be paid as per TON.

400-2-1 Concrete Class II (Concrete Collars, 4000 psi):

The bid price for this item shall include, but not be limited to, the requirements of Section 400 Concrete Structures of the Standard Specifications.

The Contractor shall submit a mix design to the County for approval prior to ordering or placing any concrete.

The basis of payment for Concrete Class II (Concrete Collars, 4000 psi): shall be paid as per CUBIC YARD.

400-80A Maintenance of Existing Drainage

The contractor shall conduct the construction operation in such a manner that adequate drainage is maintained at all times. Existing ditch/canal bank slopes must be protected from erosion and sloughing. Existing functioning storm sewers, gutters, ditches/canals, and other run-off facilities shall be kept free from obstructions.

This item shall include the furnishing of all materials, labor, equipment, power, maintenance, etc. to implement a temporary pumping system to divert the existing stormwater flow around the work area for the duration of the project. The design, installation, and operation of the temporary pumping system shall be the Contractor's responsibility. The bypass system shall meet the requirements of all codes and regulatory agencies having jurisdiction. The costs associated with the removal of the pump system shall be included in this item.

The Contractor shall submit to the County detailed plans and descriptions outlining all provisions and precautions to be taken by the Contractor regarding the handling of stormwater flows throughout the project. This plan must be specific and complete, including such items as schedules, locations, elevations, capacities of equipment, materials, and all other incidental items necessary and/or required to ensure proper protection of the facilities, protection of the access and bypass pumping locations from damage due to the discharge flows, removal of host pipes and all other incidental items, and compliance with the requirements and permit conditions specified in these Contract Documents. No construction shall begin until all provisions and requirements have been reviewed by the Engineer.

Changed from 27,000

The Contractor shall maintain the water level on Canal 16 to not less than 2 FT from the top of the bank. In the event of a significant storm, the Contractor shall provide a pumping system that will be capable of diverting stormwater around the work area at a capacity of up to 37,000 GPM. The pump system shall be mobilized and set up within 24 hours after approval and written notification from the County in advance of the anticipated arrival of a storm or a significant rain event. The pump system shall be maintained to function throughout the event and may be required to operate for an extended period.

The basis of payment for **Maintenance of Existing Drainage** shall be paid as per LUMP SUM.

400-90A Construction Dewatering

The contractor shall be responsible for the design, installation, and operation of an adequate dewatering system until conditions are suitable to discontinue dewatering. The bid price for this item shall include, but not be limited to, the supply of normal dewatering equipment such as surface pumps, sump pumps, wellpoints and header pipes, and trenching/digging machinery. The unit cost shall include, but not be limited to the manpower, equipment, and materials, for the installation, operation, and removal of all elements of work associated with dewatering operations where dewatering is necessary to construct the proposed improvements.

The unit price shall also include the manpower, equipment, materials, and other items necessary to construct cofferdams upstream and downstream of the culvert crossing or other effective alternatives as indicated in the plans, and to remove the cofferdams once construction is complete. The cost of inspecting, maintaining, and repairing the cofferdams for the duration of construction shall also be included in the bid price of this item.

If required for the project, the Contractor shall include in this item all costs associated with obtaining a Dewatering Permit. A copy of the approved permit must be submitted to the County.

The basis of payment for Construction Dewatering shall be paid as LUMP SUM.

407-1-11A Precast Concrete Box Culvert (10'(Span) X 6'(Rise))

The bid price for this item shall include, but not be limited to, the requirements of Section 410 Precast Concrete Box Culvert of the Standard Specifications and Indexes 400-289 Concrete Box Culvert Details, 400-291 Precast Concrete Box Culverts Supplemental Detail and 400-292 Standard Precast Concrete Box Culverts of the Standards Plans.

The unit cost shall include, but not be limited to the required manpower, equipment, materials, and any other items necessary for the fabrication, delivery, and installation of the box culvert units as described in the plans.

The Contractor shall select a precast manufacturer that is listed as an FDOT-approved supplier of precast concrete box culvert products. The Contractor shall be responsible for coordinating with the precast manufacturer to ensure that fabrication and delivery time will not adversely affect the project schedule. The Contractor shall be responsible for providing the geotechnical report (included with the bid documents) and other required information for the design of the culvert sections to the precast manufacturer as requested.

The Contractor shall submit details of all precast box culvert elements for approval to the Engineer prior to manufacturing. These shop drawings must include the proposed layout, lifting devices, and a note describing the casting method for the precast box culverts. The area of excavation shall be maintained in a dry condition, with the use of an adequate dewatering system as applicable. The coarse aggregate bedding material at the bottom of the box culverts shall be wrapped with filter fabric as specified in the plans. The joints of the box culvert sections shall be sealed with either profile rubber gaskets or preformed joint sealants. The Contractor shall submit the field joint material proposed to the Engineer for approval. All box culvert joints and pipes to box culvert connections shall be wrapped with filter fabric. All associated costs are to be included in this bid item.

The basis of payment for **Precast Concrete Box Culvert (10'(Span) X 6'(Rise))** shall be paid per LINEAR FOOT.

430-174-124 Pipe Culvert, RCP, Round 24" (S/CD) (CLIII)

The bid price for this item shall include, but not be limited to, the requirements of Sections 430 Pipe Culverts of the Standard Specifications. The unit cost shall include, but not be limited to all excavation except for quantities included in other items of work as described in this document, all backfilling material and compaction; disposal of surplus material; and all clearing and grubbing outside of the required limits of clearing and grubbing as described in the plans.

All pipes to drainage structure connections shall be wrapped with filter fabric per FDOT Standard Plans Index No. 425-001. All pipe joints shall be wrapped with filter fabric per FDOT Standard Plans Index No. 430-001 in addition to the Manufacturer's gasket recommendations. Costs are to be included in this bid item.

The area of excavation shall be maintained in a dry condition to the extent reasonably practicable utilizing an adequate dewatering system to meet the compaction requirements. Bedding stones (#57) wrapped in filter fabric with a depth of one foot may be utilized in lieu of compaction under wet conditions when dewatering methods will not be effective upon inspection and written approval by the County's Project Manager at no additional cost to the COUNTY.

The contractor shall be responsible for selecting a plant currently on the FDOT's Production Facility Listing. Shop drawings, cut sheets, technical data sheets, and installation instructions must be submitted to the Engineer for approval prior to purchase or installation. Any products or materials manufactured, purchased, or installed shall be replaced at the contractor's expense if the above-noted approvals have not been obtained.

The basis of payment for Pipe Culvert, RCP, Round, 24" (S/CD) (CLIII) shall be paid per LINEAR FOOT.

430-984-129 Mitered End Section, Round, 24", (SD)

The bid price for this item shall include, but not be limited to, the requirements of Sections 430 Pipe Culverts and Storm Sewers and 449 Concrete Pipe of the Standard Specifications. The unit cost shall include, but not be limited to full compensation for all pipes, grates when required, fasteners, reinforcing, connectors, anchors, concrete, sealants, jackets, and coupling bands, and all work required as described in the plans.

The Contractor shall submit a mix design to the County for approval prior to ordering or placing any asphalt.

The basis of payment for Mitered End Section, Round, 24" (SD) shall be paid as EACH.

530-3-4 Riprap, Rubble, F&I, Ditch Lining

The bid price for this item shall include, but not be limited to, the requirements of Sections 514 Plastic Filter Fabric (Geotextile) and 530 Revetment Systems of the Standard Specifications. The unit cost shall include all materials, filter fabric, manpower, and equipment for installation as shown on the plans.

The CONTRACTOR shall submit to the County the material aggregate source and the technical data sheets for approval prior to ordering or installation. The County reserves the right to inspect and test any batch of riprap materials at the source or at the site to verify if they meet project specifications.

The basis of payment for Riprap, Rubble, F&I, Ditch Lining shall be paid per TON.

530-74 Bedding Stone

The bid price for this item shall include, but not be limited to, the requirements of Section 530 Revetment Systems of the Standard Specifications. The unit cost shall include, but not be limited to all materials, St. Lucie County

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manpower, and equipment for installation as described in the plans. The unit cost shall also include the cost to furnish and install the filter fabric.

The CONTRACTOR shall submit to the County the material aggregate source and the technical data sheets for the bedding stone and filter fabric for approval prior to ordering or installation. The County reserves the right to test any batch of stone at the source or on-site to determine if they meet project specifications.

The basis of payment for **Bedding Stone** shall be paid per TON.

536-73 Guardrail Removal

The bid price for this item shall include, but not be limited to, the requirements of Section 536 Guardrail of the Standard Specifications. The unit cost shall include all materials, manpower and equipment for removal as shown on the plans.

The basis of payment for **Guardrail Removal** shall be paid per LINEAR FOOT.

570-1-2 Performance Turf, Sod

The bid price for this item shall include, but not be limited to, the requirements of Section 570 Performance Turf of the Standard Specifications. The unit cost shall include, but not be limited to all materials, manpower, hardware, and equipment necessary to perform the task.

Also included in this item are fertilizing and watering needed to produce a healthy and vigorous stand of grass upon acceptance of the project by the County. All disturbed areas shall be covered to match like kind. The Contractor shall be responsible for repairing all washouts and eroded areas and watering the sod until such time as the project is accepted by the County.

The basis of payment for **Performance Turf**, **Sod** shall be paid per SQUARE YARDS.

700-1-11 Single Post Sign (Ground Mount)(F&I)(<12SF)

The bid price for this item shall meet the requirements of Section 700 Highway Signing of the Standard Specifications. The unit cost shall include all labor, equipment, and material to remove existing signs designated within plans.

The basis of payment for Single Post Sign (Ground Mount)(F&I)(<12SF) shall be paid as per ASSEMBLY.

706-1-3 Raised Pavement Marker, Type B

The bid price for this item shall meet the requirements of Section 706 Raised Retro-Reflective Pavement Markers and Marker Adhesive of the Standard Specifications. The unit cost shall include all cleaning and preparing of surfaces, furnishing of all materials, application, curing and protection of traffic, furnishing of all tools, machines and equipment for installation as shown on the plans.

The basis of payment for **Raised Pavement Marker**, **Type B** shall be paid as per EACH.

711-11-111A Thermoplastic, Standard, White, Solid, 6"

The bid price for this item shall include, but not be limited to the requirements of Section 711 Thermoplastic Pavement Markings of the Standard Specifications. The unit cost shall include all cleaning

and preparing of surfaces, furnishing of all materials, application, curing and protection of traffic, furnishing of all tools, machines and equipment for installation as shown on the plans.

The basis of payment for **Thermoplastic**, **Standard**, **White**, **Solid**, **6**" shall be paid as per LINEAR FOOT.

711-11-231 Thermoplastic, Standard, Yellow, Skip, 6"

The bid price for this item shall include, but not be limited to the requirements of Section 711 Thermoplastic Pavement Markings of the Standard Specifications. The unit cost shall include all cleaning and preparing of surfaces, furnishing of all materials, application, curing and protection of traffic, furnishing of all tools, machines and equipment for installation as shown on the plans.

The basis of payment Thermoplastic, Standard, Yellow, Skip, 6" shall be paid as per LINEAR FOOT...

1000-1A Utility Coordination:

The Contractor shall coordinate with the utility companies to facilitate the adjustment, relocation, removal, and any other work necessary to accomplish the project's construction as specified in the plans. The contractor shall call 811 or Sunshine Notification Center at 1-800-432-4770 three business days before digging. The contractor shall notify utility companies two business days before digging to allow them to observe work. This item shall also include but not be limited to all labor, equipment, and materials necessary to adjust, relocate, and hold any utilities required to accommodate the proposed improvements not paid for or itemized elsewhere.

The basis of payment for **Utility Coordination** shall be paid as LUMP SUM.

FPFWCD CANAL C-17

101-1A Mobilization/Demobilization

The work specified in this section shall include but not be limited to the requirements of Section 101 Mobilization of the Standard Specifications as well as all operations and preparations necessary to begin and end the work on the project. This shall also include those operations necessary for the movement of personnel, equipment, material, and incidentals to the site, establishment of safety equipment, first aid supplies, and sanitary facilities, as required by the Contract Documents. The cost of required bonds and any insurance(s) shall be included in this item.

Aside from the permits included in the bid documents, the contractor shall be responsible for any costs associated with acquiring other permits necessary to complete the project.

All payment requests shall include record drawings confirming that pay items are situated in their final locations. It is anticipated that expenses related to this item shall be spread uniformly throughout the project.

The costs in this section shall include, but not limited to, mowing existing sod and maintenance of existing right-of-way within the project limits inclusive for mowing and litter removal for the project duration.

The work specified in this section shall also include a pre-construction video of the project limits to be submitted to the County before the beginning of construction.

St. Lucie County Engineering Division At the pre-construction meeting, the CONTRACTOR shall submit a tentative work schedule, a list of subcontractors and suppliers, and emergency contact people with their respective phone numbers.

The project superintendent shall provide the ENGINEER with a cellular phone number for 24-hour access at the preconstruction meeting. It will be incumbent upon the CONTRACTOR to answer all calls or respond to any missed calls within thirty (30) minutes.

The basis of payment for Mobilization/Demobilization shall be paid as LUMP SUM in accordance with the following schedule:

Percent Contract	Allowable Percentage
Amount Earned	of Lump Sum Price
25%	25%
50%	50%
75%	75%
100%	100%

102-1A Maintenance of Traffic

The bid price for this item shall include, but not be limited to, the requirements of Section 102 Maintenance of Traffic of the Standard Specifications. The maintenance of traffic for this project shall be in accordance with the applicable FDOT index numbers (600 Series) and these documents: The Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways, U.S. Department of Transportation (DOT), and Florida Highway Administration (FHWA). These documents shall be followed in the design, application, installation, maintenance, and removal. It shall include, but not be limited to all traffic control devices, warning devices, barriers, temporary reflective markers, temporary pavement markings, dust control, and all other items necessary to protect the public and workmen from hazards within the project limits.

The contractor shall mobilize portable changeable message signs (PCMS) at the approaches to the project limits 14 days before the beginning of construction. PCMS shall also be installed 7 days before phase changes of the traffic control plan.

CONTRACTOR shall coordinate any type of traffic restrictions with the St. Lucie County Engineering Division. The CONTRACTOR shall notify the St. Lucie County Engineering Division of any road restrictions at least two (2) weeks prior to actual implementation.

At no time is live traffic permitted on the road while project is under construction. CONTRACTOR is responsible for all costs associated with the road closure and Maintenance of Traffic plan as depicted in the Johnston Road Culvert Replacement at FPFWCD Canal 16 Construction Plans Drawing C-09.

Any road closure and lane restriction requests must be APPROVED by the St. Lucie County Engineer a minimum of 2 weeks prior to implementation.

The basis of payment for **Maintenance of Traffic** shall be paid as per LUMP SUM.

104-2A Prevention, Control, and Abatement of Erosion and Water Pollution

The bid price for this item shall include but not be limited to the requirements of Section 104 Prevention, Control, and Abatement of Erosion and Water Pollution of the Standard Specifications. The methods shall include but are not limited to the following options: hay bales, silt fences, soil tracking prevention devices, Project #15-200/16-202 St. Lucie County

Engineering Division

and/or turbidity barriers. The existing drainage system within the project limits must be always maintained. The Contractor shall maintain all earthwork construction throughout the life of the contract and shall take all reasonable precautions to prevent the loss of material from the construction site due to the action of wind or water. The Contractor shall repair at their expense, except otherwise provided herein, any slides, washouts, settlements, subsidence, or other mishaps, that may occur prior to final acceptance of the work. Maintenance and protection of earthwork construction shall be in accordance with Section 104 Prevention, Control, and Abatement of Erosion and Water Pollution of the Standard Specifications.

The CONTRACTOR shall be responsible for any and all costs associated with the permitting and implementation of a National Pollution Discharge Elimination System (NPDES) Stormwater Pollution Prevention Plan (SWPPP).

The basis of payment for Prevention, Control, and Abatement of Erosion and Water Pollution shall be paid as LUMP SUM.

110-1-1 Clearing and Grubbing

The bid price for this item shall include, but not be limited to, the requirements of Section 110 Clearing and Grubbing of the Standard Specifications.

The unit cost shall include the clearing of all areas within the limits of construction in the roadway right-of-way, including but not limited to all necessary hauling, furnishing equipment, and equipment operation, for the removal and disposal of all buildings, timber, brush, trees, stumps, roots, rubbish, debris, existing flexible pavement and base, drainage structures, culverts, and pipes. Remove all other obstructions resting on or protruding through the surface of the existing ground and the surface of the excavated areas.

The CONTRACTOR shall coordinate any type of restrictions with the County and comply with areas so designated. Any tree that may be salvaged, not impacted, or removed is encouraged and should be coordinated with the County's Environmental Regulations Division at 772-462-2526. Native vegetation that is not in the areas of the proposed construction parameters is to remain undisturbed.

The basis of payment for the **Clearing and Grubbing** shall be paid as LUMP SUM.

120-1A Regular Excavation/Embankment

The bid price for this item shall include, but not be limited to, the requirements of Section 120 Excavation and Embankment of the Standard Specifications. The unit cost shall include, but not be limited to the required manpower, equipment, materials, and any other items necessary as described within the plans. The unit cost shall consist of excavation and utilization or disposal of all materials necessary for the construction of the box culverts, roadway, shoulders, roadside swales, canal grading, and any other areas to achieve the design intent.

The Contractor shall be responsible for all grading including in the cost of excavation and embankment.

The basis of payment for **Regular Excavation/Embankment** shall be paid as LUMP SUM.

199-1A Construction Layout/Record Drawings

The bid price for this item shall include, but not be limited to the requirements of Section 5 of the Standard Specifications for the laying out of the construction work, and Section 7 of the Standard Specifications for the preparation and submittal of the as-built plans.

The unit cost shall include, but not be limited to the required manpower, equipment, material, and other

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costs to layout the control points shown in the plans. Establish the horizontal and vertical controls necessary to construct the work in conformity with the contract documents. Perform all calculations required, and set all stakes needed such as grade stakes, offset stakes, reference point stakes, and other reference marks or points necessary to provide lines and grades. The bid price shall also include preparing (1) electronic copy in PDF format and DWG format (AutoCAD 2017) of record drawings of the completed project showing all variations from the bid plans. The final document shall be signed and sealed by a professional surveyor registered to practice in the State of Florida and then submitted to the Engineer for approval. The Contractor shall accurately record the locations and elevations of the pipework and existing utilities and structures encountered during construction. All payment requests shall include record drawings confirming that pay items are situated in their final locations. It is anticipated that expenses related to this item shall be spread uniformly throughout the duration of the project.

The basis of payment for Construction Layout & Record Drawing shall be paid as per LUMP SUM.

285-718A Cemented Coquina (LBR 100) (18")

The bid price for this item shall include, but not be limited to, the requirements of Section 285 Optional Base Course of the Standard Specifications. The unit cost shall include, but not be limited to the required manpower, equipment, materials, and any other items necessary as described within the plans. This item shall also include the cost for the supply and application of the prime coat.

The basis of payment for Cemented Coquina (LBR 100) (18") shall be paid per SQUARE YARD.

334-1-13A Superpave Asphaltic Concrete, (1") (Traffic C, SP-9.5, PG76-22)

The bid price for this item shall include, but not be limited to, the requirements of Section 334 Superpave Asphalt Concrete of the Standard Specifications. This item shall also include the cost for the supply and application of tack coat.

The Contractor shall submit a mix design to the County for approval prior to ordering or placing any asphalt.

The basis of payment for Superpave Asphaltic Concrete, (1") (Traffic C, SP-9.5, PG76-22) shall be paid as per TON.

334-1-13B Superpave Asphaltic Concrete, (1.5") (Traffic C, SP-12.5, PG76-22)

The bid price for this item shall include, but not be limited to, the requirements of Section 334 Superpave Asphalt Concrete of the Standard Specifications. This item shall also include the cost for the supply and application of tack coat.

The Contractor shall submit a mix design to the County for approval prior to ordering or placing any asphalt.

The basis of payment for Superpave Asphaltic Concrete, (1.5") (Traffic C, SP-12.5, PG76-22) shall be paid as per TON.

400-2-1 Concrete Class II (Concrete Collars, 4000 psi):

The bid price for this item shall include, but not be limited to, the requirements of Section 400 Concrete Structures of the Standard Specifications.

The Contractor shall submit a mix design to the County for approval prior to ordering or placing any asphalt.

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The basis of payment for Concrete Class II (Concrete Collars, 4000 psi): shall be paid as per CUBIC YARD.

400-80A Maintenance of Existing Drainage

The contractor shall conduct the construction operation in such a manner that adequate drainage is maintained at all times. Existing ditch/canal bank slopes must be protected from erosion and sloughing. Existing functioning storm sewers, gutters, ditches/canals, and other run-off facilities shall be kept free from obstructions.

This item shall include the furnishing of all materials, labor, equipment, power, maintenance, etc. to implement a temporary pumping system to divert the existing stormwater flow around the work area for the duration of the project. The design, installation, and operation of the temporary pumping system shall be the Contractor's responsibility. The bypass system shall meet the requirements of all codes and regulatory agencies having jurisdiction. The costs associated with the removal of the pump system shall be included in this item.

The Contractor shall submit to the County detailed plans and descriptions outlining all provisions and precautions to be taken by the Contractor regarding the handling of stormwater flows throughout the project. This plan must be specific and complete, including such items as schedules, locations, elevations, capacities of equipment, materials, and all other incidental items necessary and/or required to ensure proper protection of the facilities, protection of the access and bypass pumping locations from damage due to the discharge flows, removal of host pipes and all other incidental items, and compliance with the requirements and permit conditions specified in these Contract Documents. No construction shall begin until all provisions and requirements have been reviewed by the Engineer.

Changed from 27, 000 GPM

The Contractor shall maintain the water level on Canal 17 to not less than 2 FT from the top of the bank. In the event of a significant storm, the Contractor shall provide a pumping system that will be capable of diverting stormwater around the work area at a capacity of up to 37,000 GPM. The pump system shall be mobilized and set up within 24 hours after approval and written notification from the County in advance of the anticipated arrival of a storm or a significant rain event. The pump system shall be maintained to function throughout the event and may be required to operate for an extended period.

The basis of payment for **Maintenance of Existing Drainage** shall be paid as per LUMP SUM.

400-90A Construction Dewatering

The contractor shall be responsible for the design, installation, and operation of an adequate dewatering system until conditions are suitable to discontinue dewatering. The bid price for this item shall include, but not be limited to, the supply of normal dewatering equipment such as surface pumps, sump pumps, wellpoints and header pipes, and trenching/digging machinery. The unit cost shall include, but not be limited to the manpower, equipment, and materials, for the installation, operation, and removal of all elements of work associated with dewatering operations where dewatering is necessary to construct the proposed improvements.

The unit price shall also include the manpower, equipment, materials, and other items necessary to construct cofferdams upstream and downstream of the culvert crossing or other effective alternatives as indicated in the plans, and to remove the cofferdams once construction is complete. The cost of inspecting, maintaining, and repairing the cofferdams for the duration of construction shall also be included in the bid price of this item.

If required for the project, the Contractor shall include in this item all costs associated with obtaining a Dewatering Permit. A copy of the approved permit must be submitted to the County.

The basis of payment for Construction Dewatering shall be paid as LUMP SUM.

Paragraph added to the pay item

description 407-1-11A Precast Concrete Box Culvert (10'(Span) X 6'(Rise))

The bid price for this item shall include, but not be limited to, the requirements of Section 410 Precast Concrete Box Culvert of the Standard Specifications and Indexes 400-289 Concrete Box Culvert Details, 400-291 Precast Concrete Box Culverts Supplemental Detail and 400-292 Standard Precast Concrete Box Culverts of the Standards Plans.

The unit cost shall include, but not be limited to the required manpower, equipment, materials, and any other items necessary for the fabrication, delivery, and installation of the box culvert units as described in the plans.

The Contractor shall select a precast manufacturer that is listed as an FDOT-approved supplier of precast concrete box culvert products. The Contractor shall be responsible for coordinating with the precast manufacturer to ensure that fabrication and delivery time will not adversely affect the project schedule. The Contractor shall be responsible for providing the geotechnical report (included with the bid documents) and other required information for the design of the culvert sections to the precast manufacturer as requested.

The Contractor shall submit details of all precast box culvert elements for approval to the Engineer prior to manufacturing. These shop drawings must include the proposed layout, lifting devices, and a note describing the casting method for the precast box culverts. The area of excavation shall be maintained in a dry condition, with the use of an adequate dewatering system as applicable. The coarse aggregate bedding material at the bottom of the box culverts shall be wrapped with filter fabric as specified in the plans. The joints of the box culvert sections shall be sealed with either profile rubber gaskets or preformed joint sealants. The Contractor shall submit the field joint material proposed to the Engineer for approval. All box culvert joints and pipes to box culvert connections shall be wrapped with filter fabric. All associated costs are to be included in this bid item.

The basis of payment for **Precast Concrete Box Culvert (10'(Span) X 6'(Rise))** shall be paid per LINEAR FOOT.

430-174-124 Pipe Culvert, RCP, Round 24" (SD)

The bid price for this item shall include, but not be limited to, the requirements of Sections 430 Pipe Culverts of the Standard Specifications. The unit cost shall include, but not be limited to all excavation except for quantities included in other items of work as described in this document, all backfilling material and compaction; disposal of surplus material; and all clearing and grubbing outside of the required limits of clearing and grubbing as described in the plans.

All pipes to drainage structure connections shall be wrapped with filter fabric per FDOT Standard Plans Index No. 425-001. All pipe joints shall be wrapped with filter fabric per FDOT Standard Plans Index No. 430-001 in addition to the Manufacturer's gasket recommendations. Costs are to be included in this bid item.

The area of excavation shall be maintained in a dry condition to the extent reasonably practicable utilizing an adequate dewatering system to meet the compaction requirements. Bedding stones (#57) wrapped in filter fabric with a depth of one foot may be utilized in lieu of compaction under wet conditions when dewatering methods will not be effective upon inspection and written approval by the County's Project Manager at no additional cost to the COUNTY.

St. Lucie County Engineering Division The contractor shall be responsible for selecting a plant currently on the FDOT's Production Facility Listing. Shop drawings, cut sheets, technical data sheets, and installation instructions must be submitted to the Engineer for approval prior to purchase or installation. Any products or materials manufactured, purchased, or installed shall be replaced at the contractor's expense if the above-noted approvals have not been obtained.

The basis of payment for **Pipe Culvert**, **RCP**, **Round 24**", **(SD)** shall be paid per LINEAR FOOT.

430-984-129 Mitered End Section, Round, 24", (SD)

The bid price for this item shall include, but not be limited to, the requirements of Sections 430 Pipe Culverts and Storm Sewers and 449 Concrete Pipe of the Standard Specifications. The unit cost shall include, but not be limited to full compensation for all pipes, grates when required, fasteners, reinforcing, connectors, anchors, concrete, sealants, jackets, and coupling bands, and all work required as described in the plans.

The Contractor shall submit a mix design to the County for approval prior to ordering or placing any asphalt.

The basis of payment for Mitered End Section, Round, 24" (SD) shall be paid as EACH.

530-3-4 Riprap, Rubble, F&I, Ditch Lining

The bid price for this item shall include, but not be limited to, the requirements of Sections 514 Plastic Filter Fabric (Geotextile) and 530 Revetment Systems of the Standard Specifications. The unit cost shall include all materials, filter fabric, manpower, and equipment for installation as shown on the plans.

The CONTRACTOR shall submit to the County the material aggregate source and the technical data sheets for approval prior to ordering or installation. The County reserves the right to inspect and test any batch of riprap materials at the source or at the site to verify if they meet project specifications.

The basis of payment for Riprap, Rubble, F&I, Ditch Lining shall be paid per TON.

530-74 Bedding Stone

The bid price for this item shall include, but not be limited to, the requirements of Section 530 Revetment Systems of the Standard Specifications. The unit cost shall include, but not be limited to all materials, manpower, and equipment for installation as described in the plans. The unit cost shall also include the cost to furnish and install the filter fabric.

The CONTRACTOR shall submit to the County the material aggregate source and the technical data sheets for the bedding stone and filter fabric for approval prior to ordering or installation. The County reserves the right to test any batch of stone at the source or on-site to determine if they meet project specifications.

The basis of payment for **Bedding Stone** shall be paid per TON.

536-73 Guardrail Removal

The bid price for this item shall include, but not be limited to, the requirements of Section 536 Guardrail of the Standard Specifications. The unit cost shall include all materials, manpower and equipment for removal as shown on the plans.

The basis of payment for Guardrail Removal shall be paid per LINEAR FOOT.

St. Lucie County Engineering Division Project #15-200/16-202

550-10-110 Fencing, Type A, 4 Ft. Standard

The bid price for this item shall include, but not be limited to, the requirements of Section 550 Fence of the Standard Specifications, Index 550-001 Fence Type A of the Standard Plans. The unit cost shall include all materials, manpower, and equipment for installation.

The CONTRACTOR shall submit to the County, but not limited to, shop drawings and technical data sheets for all hardware and fasteners for installation from the manufacturer for approval prior to ordering or installing the fence. Furnish the County a Certificate of Compliance certifying that the fencing system and materials are in compliance with Standards and Specifications.

The basis of payment for Fencing, (Type A, 4 Ft. Height) shall be paid per LINEAR FOOT.

550-60-513 Fence Gate (Remove and Reset)

The bid price for this item shall include, but not be limited to, the requirements of Section 550 Fence Gate of the Standard Specifications. The unit cost shall include all materials, manpower and equipment for installation.

The basis of payment for Fence Gate (Remove and Reset) shall be paid as per EACH.

570-1-2 Performance Turf, Sod

The bid price for this item shall include, but not be limited to, the requirements of Section 570 Performance Turf of the Standard Specifications. The unit cost shall include, but not be limited to all materials, manpower, hardware, and equipment necessary to perform the task.

Also included in this item are fertilizing and watering needed to produce a healthy and vigorous stand of grass upon acceptance of the project by the County. All disturbed areas shall be covered to match like kind. The Contractor shall be responsible for repairing all washouts and eroded areas and watering the sod until such time as the project is accepted by the County.

The basis of payment for **Performance Turf**, **Sod** shall be paid per SQUARE YARDS.

700-1-11 Single Post Sign (Ground Mount)(F&I)(<12SF)

The bid price for this item shall meet the requirements of Section 700 Highway Signing of the Standard Specifications. The unit cost shall include all labor, equipment, and material to remove existing signs designated within plans.

The basis of payment for **Single Post Sign (Ground Mount)(F&I)(<12SF)** shall be paid as per ASSEMBLY.

706-1-3 Raised Pavement Marker, Type B

The bid price for this item shall meet the requirements of Section 706 Raised Retro-Reflective Pavement Markers and Marker Adhesive of the Standard Specifications. The unit cost shall include all cleaning and preparing of surfaces, furnishing of all materials, application, curing and protection of traffic, furnishing of all tools, machines and equipment for installation as shown on the plans.

The basis of payment for **Raised Payement Marker**, **Type B** shall be paid as per EACH.

711-11-111A Thermoplastic, Standard, White, Solid, 6"

The bid price for this item shall include, but not be limited to the requirements of Section 711 Thermoplastic Pavement Markings of the Standard Specifications. The unit cost shall include all cleaning and preparing of surfaces, furnishing of all materials, application, curing and protection of traffic, furnishing of all tools, machines and equipment for installation as shown on the plans.

The basis of payment for **Thermoplastic**, **Standard**, **White**, **Solid**, **6**" shall be paid as per LINEAR FOOT.

711-11-231A Thermoplastic, Standard, Yellow, Skip, 6"

The bid price for this item shall include, but not be limited to the requirements of Section 711 Thermoplastic Pavement Markings of the Standard Specifications. The unit cost shall include all cleaning and preparing of surfaces, furnishing of all materials, application, curing and protection of traffic, furnishing of all tools, machines and equipment for installation as shown on the plans.

The basis of payment Thermoplastic, Standard, Yellow, Skip, 6" shall be paid as per LINEAR FOOT...

1000-1A Utility Coordination

The Contractor shall coordinate with the utility companies to facilitate the adjustment, relocation, removal, and any other work necessary to accomplish the project's construction as specified in the plans. The contractor shall call 811 or Sunshine Notification Center at 1-800-432-4770 three business days before digging. The contractor shall notify utility companies two business days before digging to allow them to observe work. This item shall also include but not be limited to all labor, equipment, and materials necessary to adjust, relocate, and hold any utilities required to accommodate the proposed improvements not paid for or itemized elsewhere.

The basis of payment for **Utility Coordination** shall be paid as LUMP SUM.

BIDDER'S QUALIFICATION QUESTIONNAIRE

THE UNDERSIGNED GUARANTEES THE TRUTH AND ACCURACY OF ALL STATEMENTS AND ANSWERS HEREIN CONTAINED:

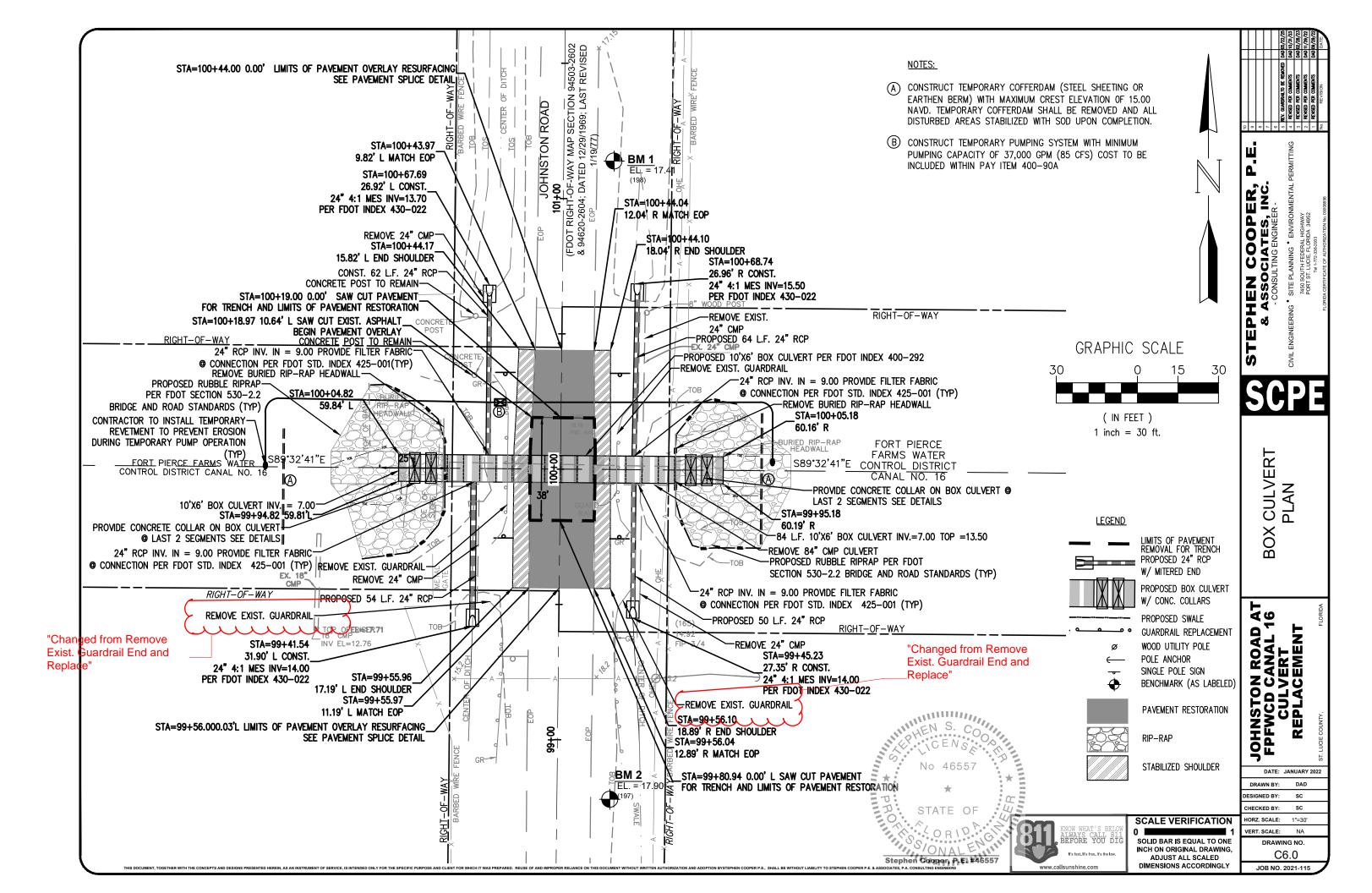
1.	How many years has your organization been in business as a general contractor?
2.	What is the last project of this nature that you have completed?
3.	Have you ever failed to complete work awarded to you? If so, where and why?
4.	The following are named as three (3) corporations or individuals for which you have performed work and to which you refer.
5.	Have you personally inspected the proposed work and have you a complete plan or schedule for its performance? Provide schedule to describe the amount of work per month that is to be completed.

δι δ.	DER'S QUALIFICATION QUESTIONNAIRE (cont'd) Will you sublet part of this work? If so, give details.
' .	What equipment do you own that is available for the work?
3	What equipment will you purchase for the proposed work?
).	What equipment will you rent for the proposed work?
0.	The following is given as a summary of the financial statement of the undersigned: (List assets and liabilities and use insert sheets(s) if necessary)

BIDDER'S QUALIFICATION QUESTIONNAIRE (cont'd)

- 11. Please provide proof of State Certification and/or State Registration by attaching copies of State Certifications. State Registrations shall also be accompanied by proof of St. Lucie County Certificate(s) of Competency by attaching copies of County Certificate(s) Possession of either a State Certification or County Competency card must be attained prior to bid submittal.
- 12. State the true, exact, correct and complete name of the partnership, corporation or trade name under which you do business. (If corporation, state the name of the president and secretary. If a partnership, state the name of all partners. If a trade name, state the name of the individuals who do business under the trade name.)

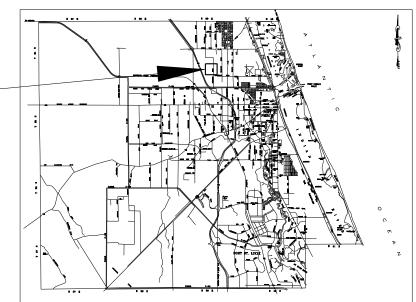
	(Correct name of bidder)
(a.)	The business is a
(b.)	The address of the principal place of business is:
(c.)	The names of the corporate officers, or partners, or individuals doing business under a trade name are as follows:



ST. LUCIE COUNTY

JOHNSTON ROAD AT CANAL 17 CROSS DRAIN REPLACEMENT

PROJECT LOCATION



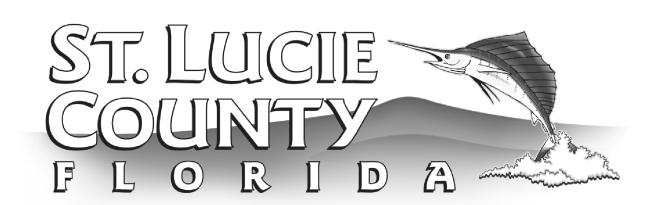
PROJECT LOCATION

ST. LUCIE COUNTY

ST. LUCIE COUNTY PROJECT No. 16202

INDEX OF PLANS

SHEET No.	SHEET DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF PAY ITEMS
4	HORIZONTAL & VERTICAL CONTROL
5	TYPICAL SECTION
6	PLAN SHEETS
7-8	REVETMENT DETAILS
9 - 10	MISCELLANEOUS DETAILS
11 - 14	JOHNSTON ROAD CROSS SECTIONS
15 - 16	EROSION CONTROL GENERAL NOTES
17	EROSION CONTROL
18	SIGNING & MARKING



ST. INTER St. Lucro, Blvd.

Rd.

BOARD OF COUNTY COMMISSIONERS

JAMES CLASBY DISTRICT 1
LARRY LEET DISTRICT 2
ERIN LOWRY DISTRICT 3
JAMIE FOWLER DISTRICT 4
CATHY TOWNSEND DISTRICT 5

COUNTY ADMINISTRATION

GEORGE LANDRY

COUNTY ADMINISTRATOR

BID SET FEBRUARY 2025

PUBLIC WORKS DEPARTMENT

PATRICK DAYAN, P.E. DAN ZRALLACK, P.E.

PUBLIC WORKS DIRECTOR COUNTY ENGINEER

LOCATION MAP - N.T.S.

BRIAN A. GOOD

SOUTHWEST QUARTER SECTION OF SECTION 22 TOWNSHIP 34 S, RANGE 39 E

E. NO	56939				
V	im		L.	4	rn
N		ley?	<i>'''</i>	TU	Ш
445	24TH STRE	FET, SUITE 2	200		

445 24TH STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 PROJECT NUMBER: 047203115 REGISTRY No. 35106

ENGINEER OF RECORD

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION

48 HOURS BEFORE DIGGING CALL TOLL FREE

1-800-432-4770

CALL SUNSHINE
NOTIFICATION CENTER

- 1) GOVERNING SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" DATED FY 2023-24.
- 2) CONSTRUCTION DETAILS SHALL BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD PLANS DATED FY 2023-24.
- 3) ANY GEODETIC MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, NOTIFY:

ALEXEY GILEV, PSM 7079 ST. LUCIE COUNTY SURVEYOR (772) 462-1707

- 4) EXISTING SECTION CORNERS AND ¼ SECTION CORNERS, AND OTHER LAND MARKERS OR MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND RESET AFTER CONSTRUCTION USING A REGISTERED LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA. THE SURVEYOR AND MAPPER SHALL FILE UPDATED CERTIFIED CORNER RECORDS WITH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF SURVEYING AND MAPPING.
- 5) B.M. DATA IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- 6) CONTRACTOR SHALL ADJUST ALL UTILITY LIDS AND COVERS TO FINISHED GRADE AS REQUIRED.
- 7) ALL EXISTING DRAINAGE STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS OTHERWISE NOTED. ALL STRUCTURES IDENTIFIED TO BE REMOVED SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR.
- 8) THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY THIS CONSTRUCTION TO A CONDITION EQUAL TO, OR BETTER THAN THAT NOW EXISTS.
- 9) ITEMS IN CONFLICT WITH CONSTRUCTION SUCH AS EXISTING DRAINAGE STRUCTURES, AND EXCESS EXCAVATIONS ARE TO BE REMOVED BY CONTRACTOR AND DISPOSED OF IN A LEGAL AND PROPER MANNER AWAY FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE UNLESS THE ITEMS ARE TO BE REUSED ON THE PROJECT.
- 10) THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES, UNDERGROUND UTILITIES, OR NEAR CANAL BANKS.
- 11) EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
- 12) THE LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY; THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. RELOCATION OF UTILITIES SHALL BE COORDINATED WITH UTILITY COMPANIES AFTER IDENTIFICATION OF CONFLICT BY CONTRACTOR. CONTRACTOR SHALL NOTIFY ENGINEER IN ADVANCE BEFORE ANY RELOCATION.
- 13) PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH CHAPTER 556 OF FLORIDA STATUTES, UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY.
- 14) THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.
- 15) THE CONTRACTOR SHALL CALL SUNSHINE (1-800-432-4770) FOR FIELD LOCATIONS TWO (2) BUSINESS DAYS BEFORE DIGGING NEAR UNDERGROUND UTILITIES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE TO CONTACT ANY UTILITY OWNER(S) THAT MAY NOT BE A "SUNSHINE" MEMBER.
- 16) THE MAINTENANCE OF TRAFFIC FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE APPLICABLE FOOT INDEX NUMBERS (102-XXX SERIES) AND THESE DOCUMENTS; THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. DEPARTMENT OF TRANSPORTATION, FHWA), SHALL BE FOLLOWED IN THE DESIGN, APPLICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND WORKMEN FROM HAZARDS WITHIN THE PROJECT LIMITS.
- 17) STAGING AND MATERIAL STORAGE SHALL NOT BE CONDUCTED ON ABUTTING PRIVATE PROPERTY WITHOUT WRITTEN APPROVAL FROM THE PROPERTY OWNER AND SHALL BE SUBMITTED TO ST. LUCIE COUNTY PROJECT MANAGER.

- 18) EROSION CONTROL MEASURES SHALL BE TAKEN BY CONTRACTOR DURING CONSTRUCTION AS PER FDOT EROSION AND SEDIMENT CONTROL MANUAL (LATEST EDITION):
 - A. SILT FENCE SHALL BE INSTALLED ALONG THE ENTIRE PERIMETER OF THE PROJECT ADJACENT TO ANY SOIL DISTURBING ACTIVITIES
 - B. ALL DRAINAGE STRUCTURES ARE TO BE PROTECTED DURING CONSTRUCTION PER FDOT EROSION AND SEDIMENT CONTROL MANUAL (LATEST EDITION).
- C. ALL DAMAGED WORK SHALL BE RESTORED AT NO COST TO THE COUNTY.
- 19) ALL THERMOPLASTIC PAVEMENT STRIPING IS DIMENSIONED FROM CENTER OF STRIPE TO CENTER OF STRIPE.
- 20) ALL WORK, INCLUDING HARMONIZATION, SHALL BE COMPLETED FROM AND WITHIN EXISTING COUNTY RIGHT-OF-WAY, UNLESS NOTED OTHERWISE.
- 21) THE CONTRACTOR SHALL COORDINATE SELECTION AND REVIEW OF ANY PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH ST LUCIE COUNTY PROJECT MANAGER (MICHAEL HELLER, (772) 332-5415).

DATE BY DESCRIPTION DATE BY DESCRIPTION

BRIAN A. 600D, P.E.
P.E. LICENSE NUMBER 56939
445 24th STREET, SUITE 200
VERO BEACH, FL 32960
(772) 794-4100
REGISTRY NO. 35106

ST. LUCIE COUNTY

BOARD OF COUNTY COMMISSIONERS

JOHNSTON ROAD AT CANAL 17

CROSS DRAIN REPLACEMENT

GENERAL NOTES

SHEET NO.

2

SUMMARY OF PAY ITEMS

PAY ITEM NO.	DESCRIPTION					
	ROADWAY PAY ITEMS					
101-1A	MOBILIZATION/DEMOBILIZATION	LS	1			
102-1A	MAINTENANCE OF TRAFFIC	LS	1			
104-1A	PREVENTION, CONTROL & ABATEMENT OF EROSION AND WATER POLLUTION	LS	1			
199-1A	CONSTRUCTION LAYOUT/RECORD DRAWINGS	LS	1			
110-1-1	CLEARING & GRUBBING	LS	1			
120-1A	EXCAVATION/EMBANKMENT	LS	1			
285-718A	CEMENTED COQUINA (LBR 100) (18")	SY	89			
334-1-13A	SUPERPAVE ASPHALTIC CONCRETE (TYPE SP-9.5)(TRAFFIC C) (1")	TN	22			
334-1-13B	SUPERPAVE ASPHALTIC CONCRETE (TYPE SP-12.5)(TRAFFIC C) (1.5")	TN	8			
400-2-1	CONCRETE, CLASS II (4000 PSI) (CONCRETE COLLARS)	CY	12.7			
400-80A	MAINTENANCE OF EXISTING DRAINAGE	15				
400-90A	CONSTRUCTION DEWATERING	LS A	1			
407-1-11A	PRECAST CONCRETE BOX CULVERT (10' SPAN x 6' RISE)	LF	144			
430-174-124	PIPE CULVERT (RCP) (24") (S/CD) (CL III)	LF	256			
430-984-129	MITERED END SECTION (SD, 24" ROUND)	EA	4			
530-3-4	RIP-RAP (F&I) (DITCH LINING)	TN	500			
530-74	BEDDING PAD	TN	270			
536-73	GUARDRAIL (REMOVAL)	LF	392			
550-10-110	FENCING (TYPE A, 4 FT HEIGHT)	LF	305			
550-60-518	FENCE GATE (REMOVE & RESET)	EA	1			
570-1-2	PERFORMANCE TURF (SOD) (BAHIA)	SY	2400			
700-1-11	SINGLE POST SIGN (F&I) (GROUND MOUNT) (< 12 SF)	AS	4			
706-1-3	RAISED PAVEMENT MARKERS (BI-DIRECTIONAL AMBER)	EA	8			
711-11-121	THERMOPLASTIC PAVEMENT MARKING (6" WHITE)	LF	260			
711-11-231	THERMOPLASTIC PAVEMENT MARKING (6" YELLOW) (10'-30' SKIP)	LF	130			
1000-1A	UTILITY COORDINATION	LS	1			

PAY ITEM FOOTNOTES

101-1A	COST TO INCLUDE, BUT NOT LIMITED TO, MOWING EXISTING SOD AND MAINTENANCE OF EXISTING RIGHT OF WAY WITHIN THE PROJECT LIMITS INCLUSIVE OF MOWING AND LITTER REMOVAL FOR THE PROJECT
102-1A	MAINTENANCE OF TRAFFIC COSTS SHALL INCLUDE BUT NOT LIMITED TO CONSTRUCTION SIGNS, TEMPORARY BARRICADES, VARIABLE MESSAGE SIGNS, TEMPORARY REFLECTIVE MARKERS, TEMPORARY PAVEMENT MARKINGS, INCIDENTAL TEMPORARY PAVEMENT, DUST CONTROL, ANY TEMPORARY DRAINAGE ELEMENTS BEYOND WHAT IS SPECIFIED IN THE CONTRACT DOCUMENTS, AND ALL ITEMS NECESSARY TO MEET THE MAINTENANCE OF TRAFFIC REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION AS PRESCRIBED IN SECTION 102-XXX OF THE FDOT STANDARD PLANS.
120-1A	ALL GRADING INCLUDING FINAL GRADING TO BE INCLUDED IN COST OF EXCAVATION AND EMBANKMENT.
285-718A	THE COST OF PRIME COAT SHALL BE INCLUDED IN THE PRICE OF THE BASE MATERIAL.
334-1-13X	THE COST OF THE TACK COAT SHALL BE INCLUDED IN THE PRICE OF ASPHALT.
400-80A	COST TO INCLUDE, BUT NOT LIMITED TO THE REQUIRED MANPOWER, EQUIPMENT, MATERIALS, AND ANY OTHER ITEMS NECESSARY TO SUPPLY, INSTALL AND MAINTAIN THE PUMP SYSTEM OF 37,000 GPM TO HANDLE PEAK FLOW DURING A STORM EVENT. THE PUMP SHALL BE MOBILIZED AND SET UP WITHIN 24 HOURS AFTER APPROVAL AND WRITTEN NOTIFICATION FROM THE COUNTY IN ADVANCE OF THE ANTICIPATED ARRIVAL OF A STORM. THE PUMPING SYSTEM MAY BE REQUIRED TO BE OPERATED 24
400-90A	COST TO INCLUDE, BUT NOT LIMITED TO TEMPORARY DAMS AND TEMPORARY DEWATERING PUMPING/OPERATIONS BEYOND TEMPORARY PUMPING SYSTEMS.
550-10-110	IDENTIFIED QUANTITY INCLUDES TEMPORARY FENCING TO BE INSTALLED AND REMOVED. UNIT PRICE TO INCLUDE COST OF REMOVING TEMPORARY FENCING.
570-1-2	COST OF PERFORMANCE TURF TO INCLUDE SOD, FERTILIZER, MOWING, WATERING, TOOLS, EQUIPMENT, PEGGING, LABOR AND ALL INCINDENTAL ITEMS NECESSARY.

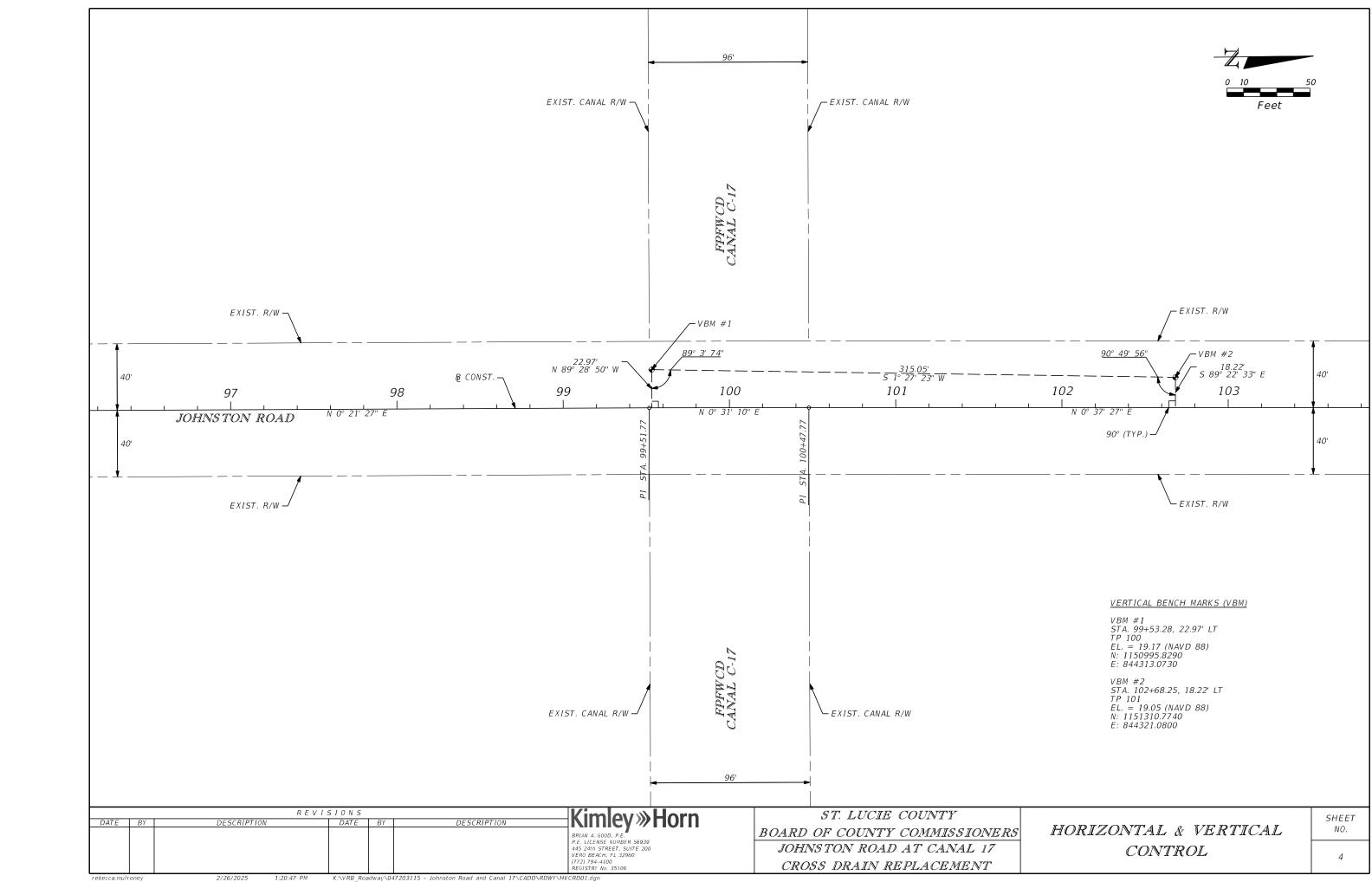
Removed statement
"This pay item will not
be invoiced if not
used"

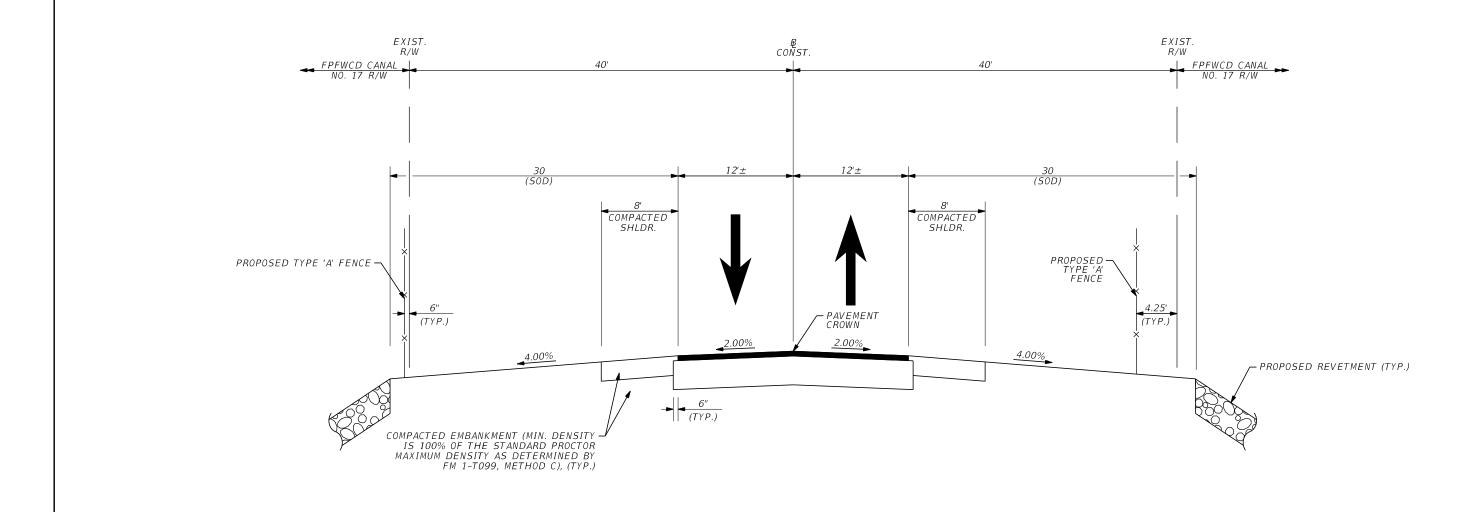
		REV	—Kimley≫Horn			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	
05/2025	RM	A PAY ITEM NOTE REVISION				BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 REGISTRY NO. 35106

ST. LUCIE COUNTY
BOARD OF COUNTY COMMISSIONERS
JOHNSTON ROAD AT CANAL 17
CROSS DRAIN REPLACEMENT

SUMMARY OF PAY ITEMS

SHEET NO.





PAVEMENT DESIGN

TYPE SP-9.5 STRUCTURAL COURSE (TRAFFIC C, PG 76-22) (1")
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C, PG 76-22) (1.5")
CEMENTED COQUINA (LBR 100) (18")

POSTED SPEED = 40 MPH

DESIGN SPEED = 45 MPH

PROPOSED CONSTRUCTION PHASING:

1.INSTALL APPROPRIATE EROSION CONTROL DEVICES CONSISTING OF SILT FENCE, FLOATING TURBIDITY BARRIERS, INLET PROTECTION, ETC.

2.INSTALL TEMPORARY PUMPING SYSTEM TO MANAGE CANAL WATER LEVELS AND ASSIST IN DEWATERING OPERATIONS.

3.CONSTRUCT TEMPORARY DAMS WITHIN FPFWCD CANAL NO. 17 UPSTREAM AND DOWNSTREAM OF EXISTING CROSS

DRAIN UNDER JOHNSTON ROAD. THE METHOD OF CONSTRUCTING TEMPORARY DAMS IS LEFT TO THE CONTRACTOR, BUT

MAY CONSIST OF SHEET PILING, EARTHEN BERMS, ETC. COST OF TEMPORARY DAMS SHALL BE INCLUDED WITHIN PAY

ITEM 400-90A.

			REVISIONS			Kimlov W Horn	ST. LUCIE COUNTY
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	⊣Kımlev≫Horn	
05/2025	RM	1 PAY ITEM NOTE REVISION				BRIAN A. GOOD, P.E.	BOARD OF COUNTY COMMISSIONERS
,						P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200	JOHNSTON ROAD AT CANAL 17
						VERO BEACH, FL 32960 (772) 794-4100 REGISTRY No. 35106	CROSS DRAIN REPLACEMENT

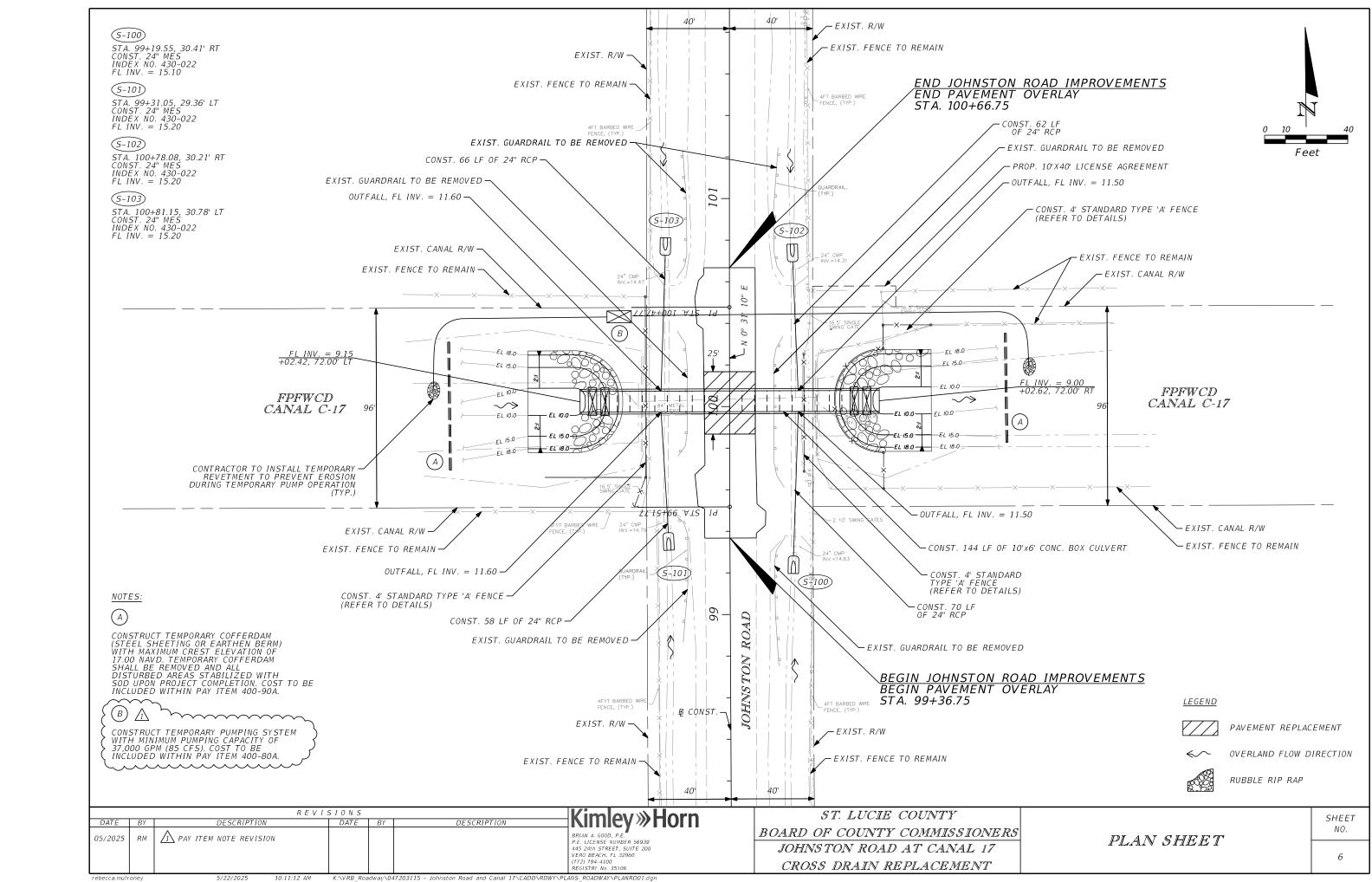
NERS TYPICAL

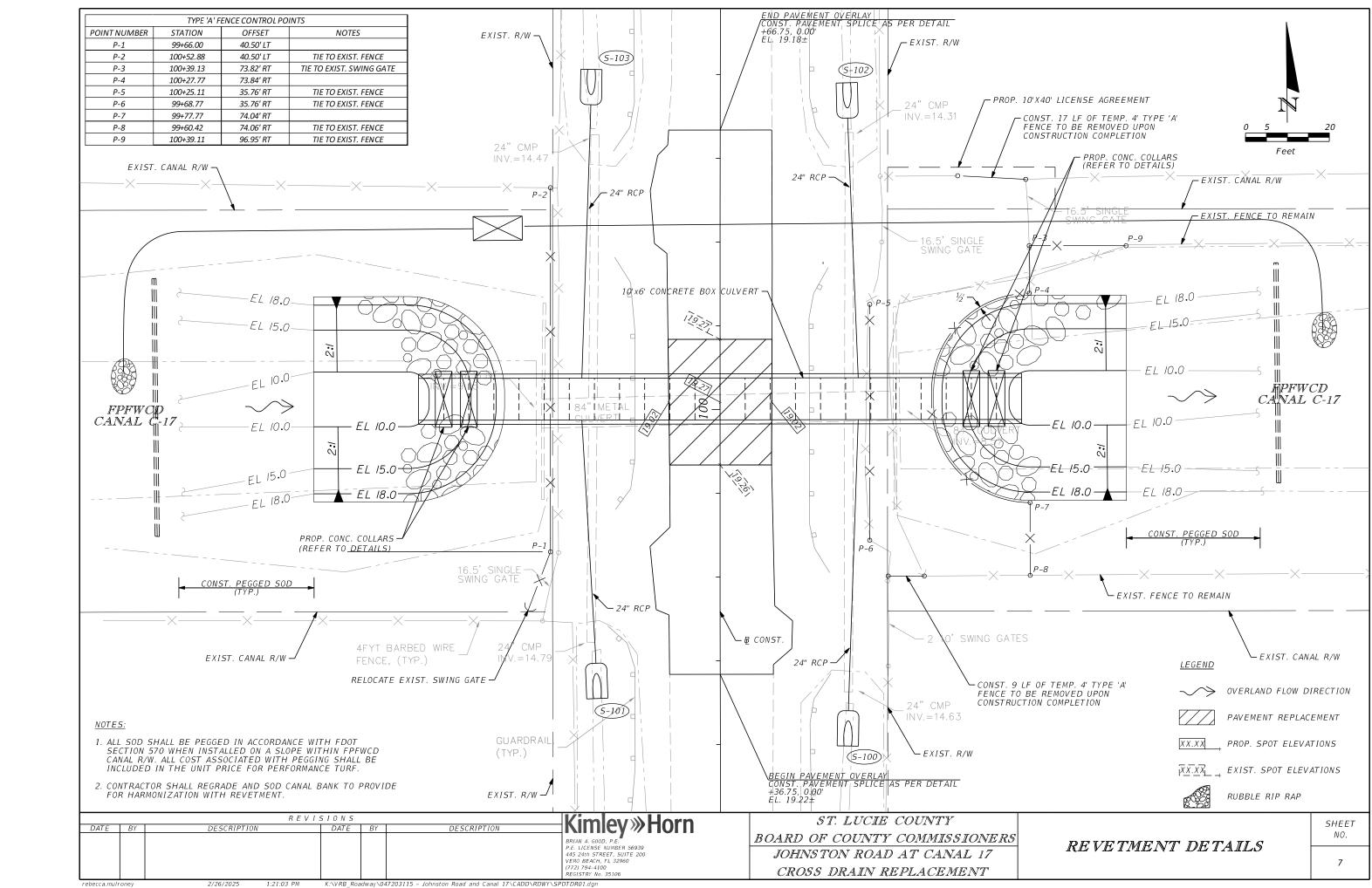
TYPICAL SECTION

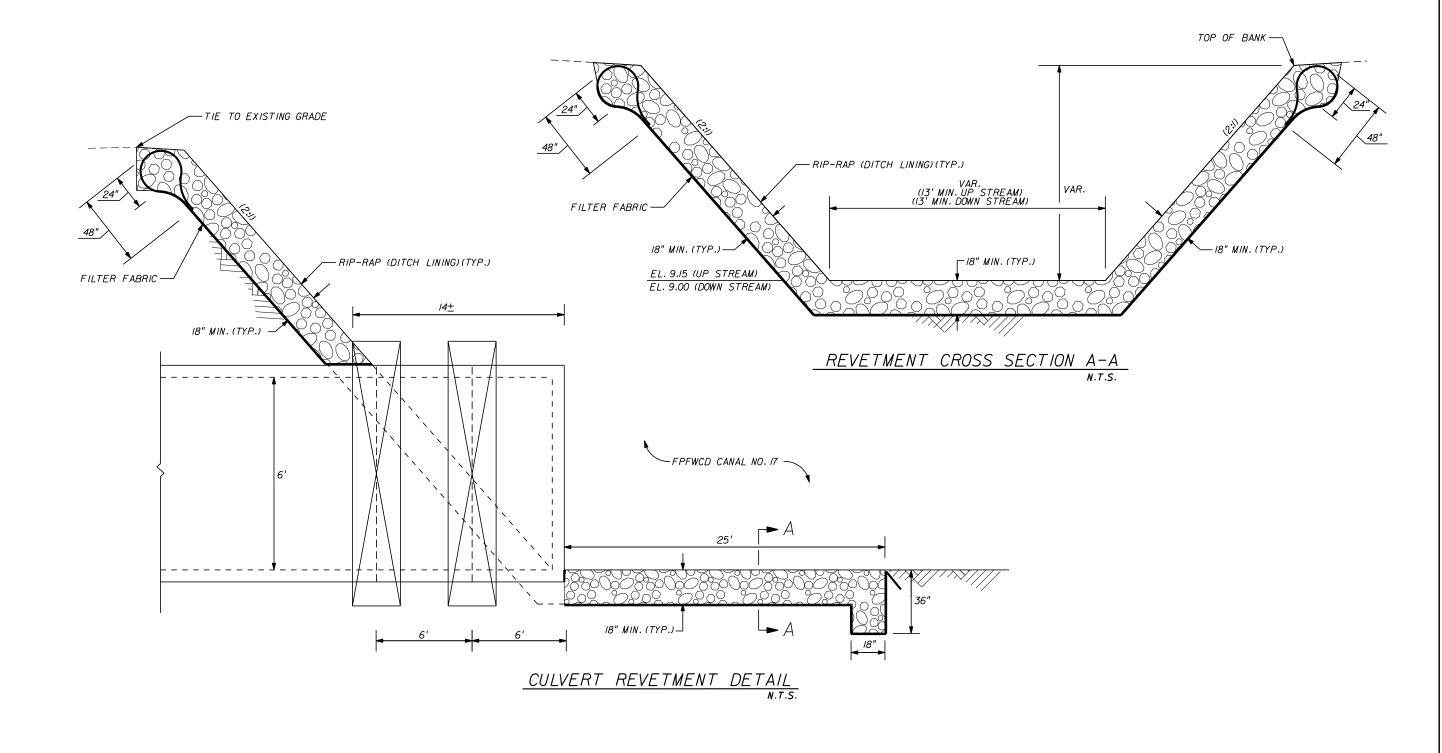
SHEET NO.

5

herca mulroney 5/22/2025 10:11:07 AM K:\VRB. Roadway\047203115 = Johnston Road and Cana







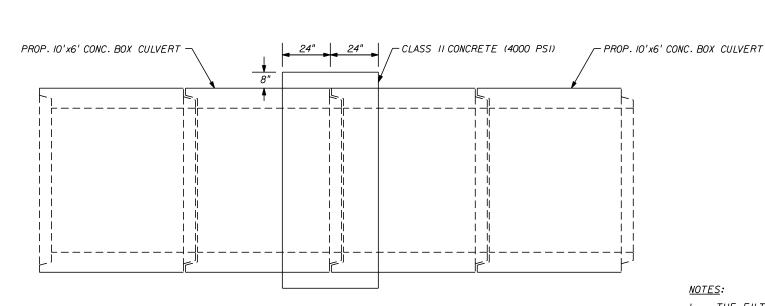
NOTES.

- I. COST OF FILTER FABRIC TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR RIP-RAP.
- 2. RIP-RAP MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH FDOT SECTION 530.

R E V I S I O N S						Kim ov WHorn	ST. LUCIE COUNTY
DATE	BY	DESCRIPTION	DATE	ВҮ	DESCRIPTION	Kımley»Horn	
						BRIAN A. GOOD, P.E.	BOARD OF COUNTY COMMISSIONERS
						P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200	JOHNSTON ROAD AT CANAL 17
						VERO BEACH, FL 32960 (772) 794-4100 PEGISTRY No. 35106	CROSS DRAIN REPLACEMENT

REVETMENT DETAILS

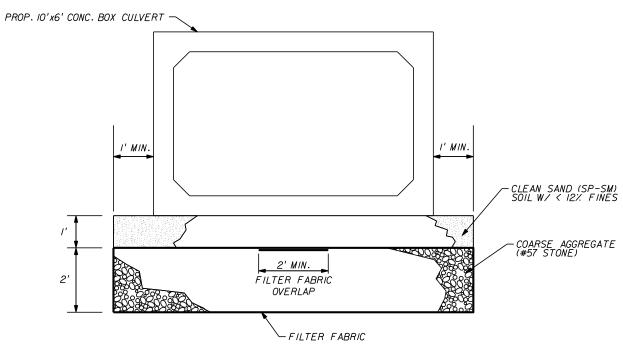
SHEET



RCBC CONCRETE COLLAR DETAIL N.T.S.

<u>NOTE</u>:

ALL MATERIAL AND LABOR ASSOCIATED WITH CONSTRUCTION OF RCBC CONCRETE COLLARS ARE TO BE INCLUDED WITHIN PAY ITEM 400-2-1.

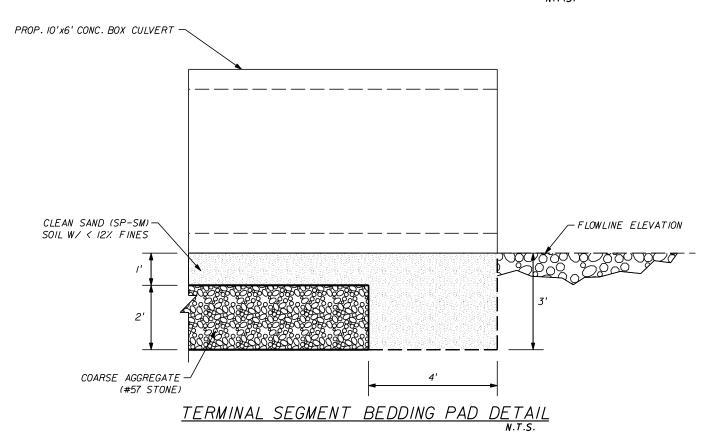


THE FILTER FABRIC SHALL MEET THE SPECIFICATIONS FOR TYPE D-3 FABRIC, AS SPECIFIED IN FDOT INDEX 400-289.

<u>NOTES</u>:

- BEDDING STONE SHALL BE PLACED ON FIRM UNYIELDING UNDISTURBED GROUND.
- COST ASSOCIATED WITH EXCAVATION, FILTER FABRIC, COARSE AGGREGATE & CLEAN SAND SHALL BE INCLUDED WITHINI UNIT PRICE FOR PRE-CAST CONCRETE BOX CULVERT.

TYPICAL REINFORCED BEDDING PAD DETAIL N.T.S.

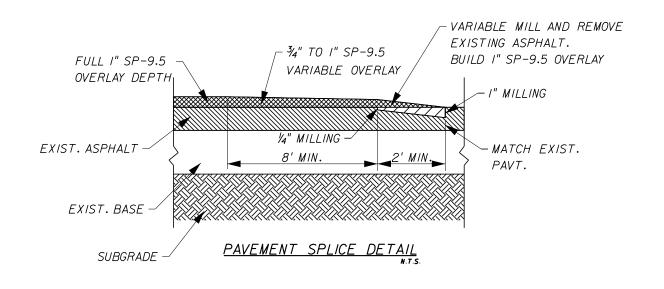


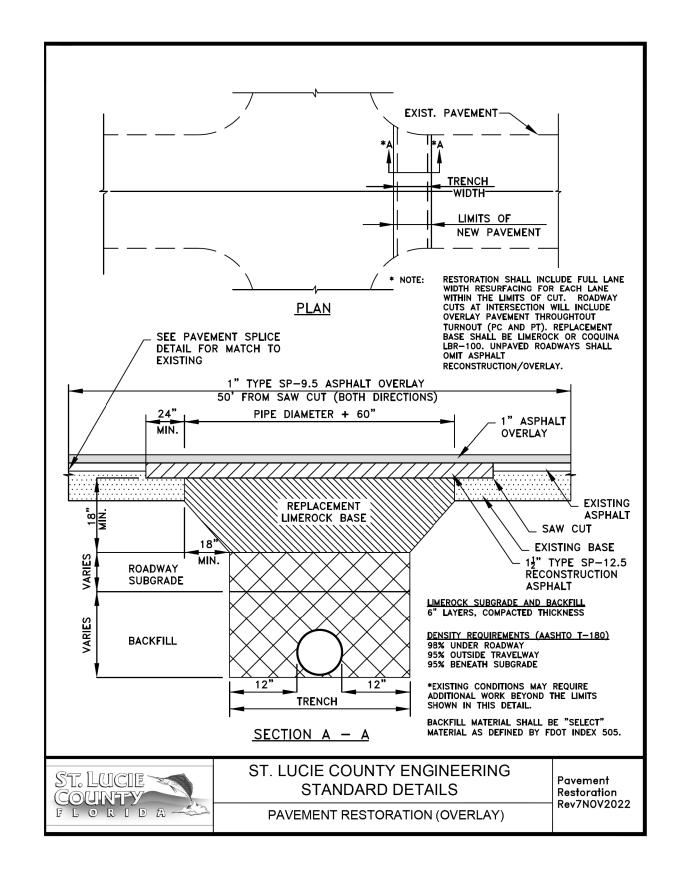
REVISIONS DESCRIPTION DESCRIPTION DATE BRIAN A. GOOD, P.E.
P.E. LICENSE NUMBER 56939
445 24th STREET, SUITE 200
VERO BEACH, FL 32960
(772) 794-4100
REGISTRY No. 35106

ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS JOHNSTON ROAD AT CANAL 17 CROSS DRAIN REPLACEMENT

MISCELLANEOUS DETAILS

SHEET





DATE BY DESCRIPTION DATE BY DESCRIPTION

BRIAN A. GOOD, P.E.
P.E. LICENSE NUMBER 56939
445 24th STREET, SUITE 200
VERO BEACH, FL 32960
(772) 794-4100
REGISTRY No. 35106

ST. LUCIE COUNTY

BOARD OF COUNTY COMMISSIONERS

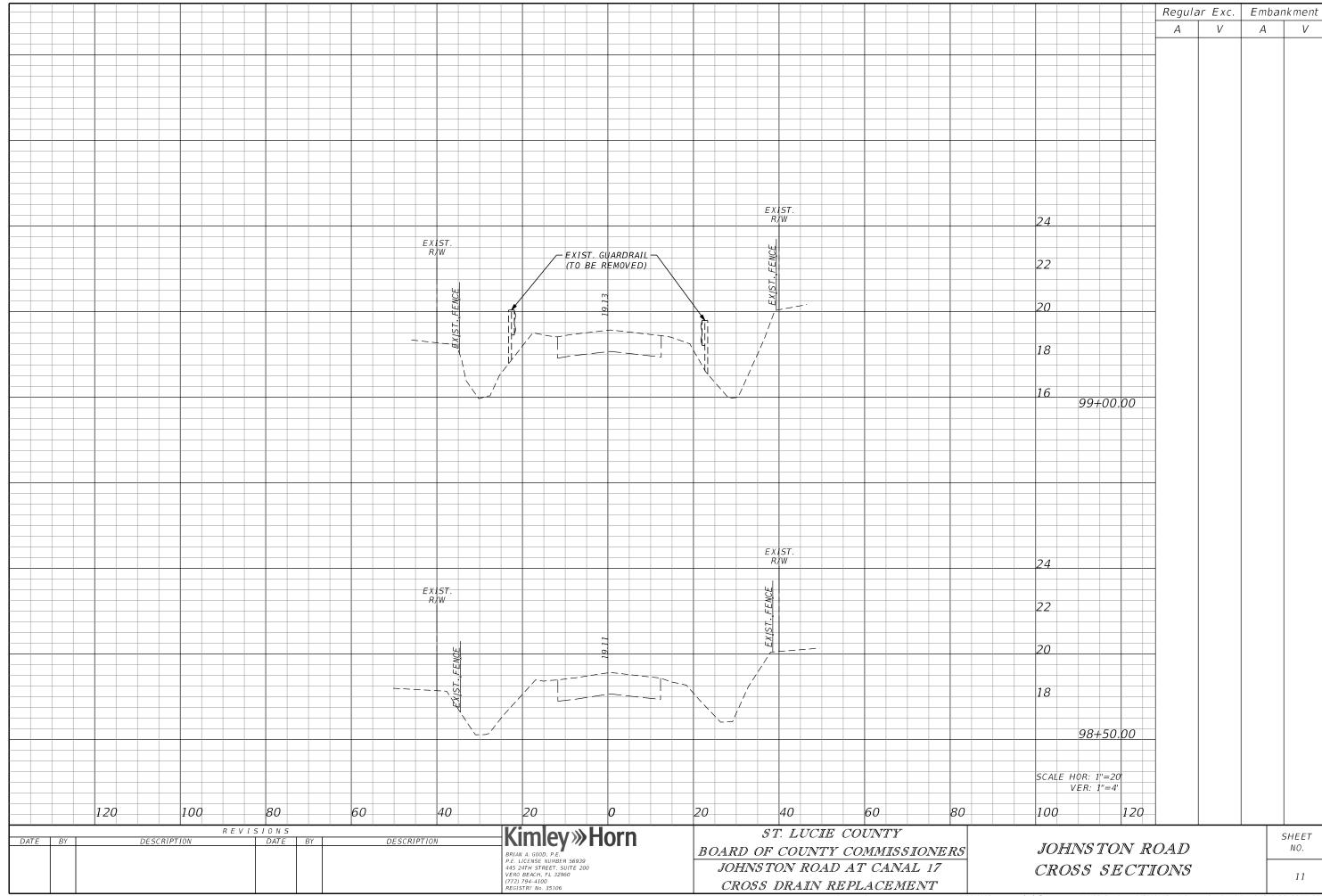
JOHNSTON ROAD AT CANAL 17

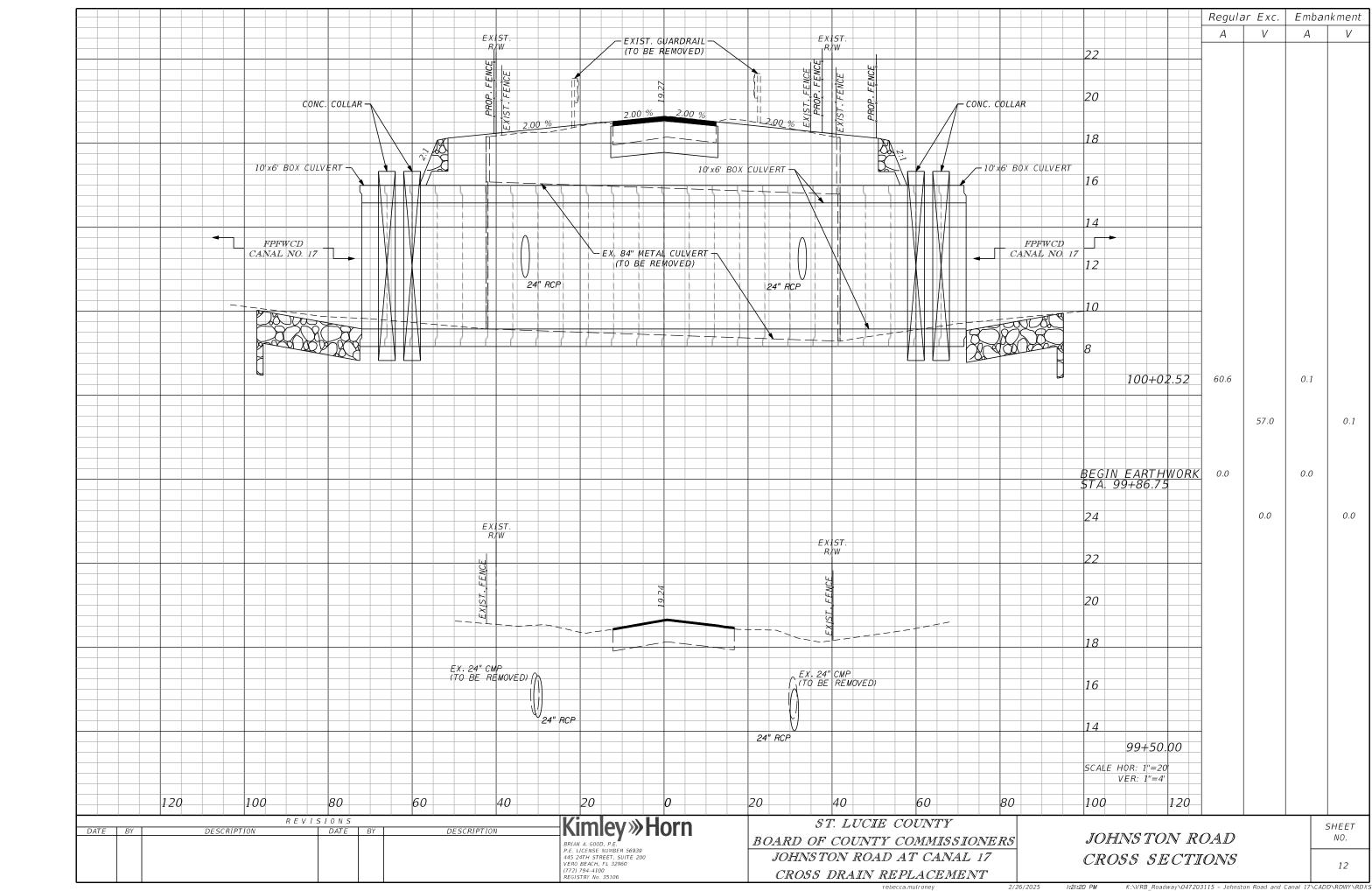
CROSS DRAIN REPLACEMENT

MISCELLANEOUS DETAILS

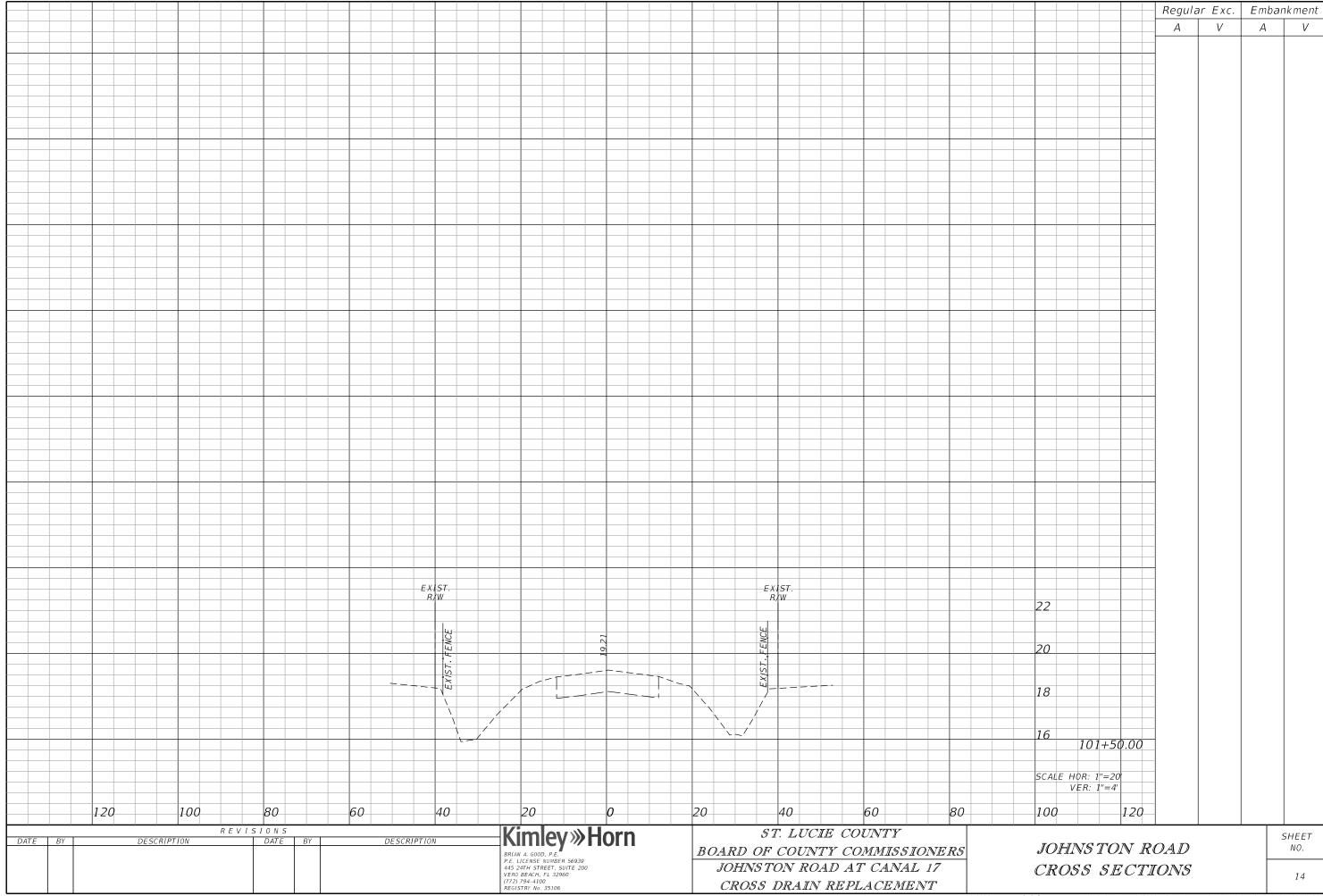
SHEET NO.

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1. SITE DESCRIPTION

- A. CONSTRUCTION ACTIVITY: JOHNSTON ROAD AT CANAL 17 CROSS DRAIN REPLACEMENT
- B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES: SOIL DISTURBING ACTIVITIES WILL TAKE PLACE DURING MUCH OF THE ANTICIPATED CONSTRUCTION PERIOD OF THIS PROJECT. THE FOLLOWING SOIL DISTURBING ACTIVITIES ARE LISTED IN THE APPROXIMATE ORDER IN WHICH THEY ARE ANTICIPATED TO OCCUR.
 - 1. INSTALL STABILIZED CONSTRUCTION ENTRANCE(S)

 - 2. CLEARING AND GRUBBING 3. STORMWATER MANAGEMENT FACILITY CONSTRUCTION
 - 4. EXCAVATION OF SOILS

 - 5. EMBANKMENT CONSTRUCTION 6. STABILIZATION AND TEMPORARY SODDING 7. ROADWAY GRADING AND CONSTRUCTION
 - 8. FINAL GRADING AND SODDING

C. TOTAL PROJECT AREA: TOTAL AREA TO BE DISTURBED:

0.47 AC

THE FOLLOWING IS A LIST OF THE DRAINAGE BASIN, THE AREA OF THE BASIN AND THE RUNOFF COEFFICIENT BEFORE, DURING, AND AFTER CONSTRUCTION.

BASIN	AREA	BEFORE	DURING	AFTER
	(AC.)	CONSTRUCTION	CONSTRUCTION	CONSTUCTION
JOHNSTON ROAD	0.47	0.45	.47	0.45

- E. SITE MAP: SEE KEY SHEET
- F. RECEIVING WATERS: FPFWCD CANAL 17

2. CONTROLS

A. EROSION AND SEDIMENT CONTROLS: THE SOIL EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED BY THE CONTRACTOR TO MINIMIZE THE AMOUNT OF SOIL DISTURBED, PREVENT OFFSITE RUNOFF FROM DISCHARGING ACROSS DISTURBED AREAS, AND REMOVE ON-SITE SEDIMENT PRIOR TO DISCHARGE OF RUNOFF FROM THE SITE

Kimlow Horn	R E V I S I O N S									
⊣Kımlev≫Horn	DESCRIPTION	BY	DATE	DESCRIPTION		BY	DATE			
BRIAN A. GOOD, P.E.										
P.E. LICENSE NUMBER 56939										
445 24th STREET, SUITE 200										
VERO BEACH, FL 32960 (772) 794-4100										
REGISTRY No. 35106										

ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS JOHNSTON ROAD AT CANAL 17 CROSS DRAIN REPLACEMENT

EROSION CONTROL GENERAL NOTES

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ALL ITEMS REPRESENTED IN THE FOLLOWING DISCUSSION ARE TREATED IN DETAIL IN THE "FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION OR WILL BE IMPLEMENTED BY THE ENGINEER IN A MANNER PROPRIATE TO ENVIRONMENTALLY SENSITIVE CONSTRUCTION PRACTICES. THE CONTRACTOR WILL GENERATE SITE SPECIFIC EROSION CONTROL PLAN INCLUDING AN IMPLEMENTATION SCHEDULE FOR EACH PHASE OF CONSTRUCTION OPERATIONS OR ACTIVITIES. THE CONTRACTOR WILL ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS AND SUPPLY CONTRACT TIME SCHEDULES FOR THE IMPLEMENTATION OF EACH SUBUNIT. (A) STABILIZATION PRACTICES: DURING CONSTRUCTION THE CONTRACTOR WILL PROVIDE TEMPORARY SEEDING FOR AREAS WHICH HAVE BEEN CLEARED AND NOT REWORKED WITHIN 14 CALENDAR DAYS. THE ENTIRE CLEARED AND UNPAVED PORTION OF THE PROJECT WILL BE SODDED UPON COMPLETION. BARE SOIL AREAS WILL BE KEPT TO A MINIMUM. STABILIZATION PRACTICES WILL INCLUDE:

PERMANENT SODDING LIMITING STEEP SLOPES MINIMIZING THE AREA OF DISTURBED SOILS AT ANY GIVEN TIME PRESERVATION OF NATURAL VEGETATION SOIL RETAINING MEASURES

(B) STRUCTURAL PRACTICES WILL INCLUDE:

STAKED SILT FENCES (LF) SYNTHETIC BALES (LF) ROCK BAGS (EA) STORM DRAIN INLET PROTECTION FLOATING TURBIDITY

(C) PHASING OF CONTROLS

PHASE I - INSTALLATION OF ENVIRONMENTAL CONTROL FEATURES

- A. ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN PLANS QUANTITIES ARE TO BE INSTALLED THROUGHOUT THE CLEARING AND GRUBBING LIMITS OF ENVIRONMENTALLY SENSITIVE AREAS AS SHOWN IN PLANS (PRIOR TO CLEARING AND GRUBBING).
- B. THE CONTRACTOR WILL BE REQUIRED TO PREPARE A SITE SPECIFIC EROSION CONTROL PLAN ALONG WITH A SPECIFIC CONSTRUCTION SCHEDULE FOR IMPLEMENTATION. THE CONTRACTOR WILL ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS.

PHASE II - CLEARING AND GRUBBING

CLEARING AND GRUBBING SHALL BE DONE AS INDICATED ON THE TYPICAL SECTIONS OR AS NOTED IN THE PLANS.

PHASE III - EXCAVATION OF MUCK SOILS AND EMBANKMENT

ENVIRONMENTAL CONTROLS INCLUDING SYNTHETIC BALES, SILT FENCES, SEDIMENTATION BASINS AND OTHER CONTROLS, AS APPROPRIATE, SHALL BE IN PLACE PRIOR TO THE INITIATION OF EMBANKMENT CONSTRUCTION.

PHASE IV - DRAINAGE SYSTEM OR ENVIRONMENTAL CONTROL FEATURES

- A. ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN PLANS QUANTITIES ARE TO BE INSTALLED IN ALL AREAS OF EXCAVATION OR FILL FOR DRAINAGE SYSTEM OR STRUCTURE CONSTRUCTION PRIOR TO SUCH EXCAVATION OR FILL. ALL STREAMS OR DITCHES ARE TO BE PROTECTED FROM EROSION OR SILTATION BY THE METHODS DETAILED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). INLET ENTRANCES ARE ALSO TO BE PROTECTED FROM SILTATION AS DETAILED IN THE SWPPP. THESE INCLUDE STAKED SYNTHETIC BALES, SEDIMENT BASINS, TURBIDITY BARRIERS, SILT FENCE BARRIERS AND OTHERS, AS APPROPRIATE.
- B. THE CONTRACTOR WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY (29 NTU'S ABOVE BACKGROUND). TESTING WILL TAKE PLACE TO SUBSTANTIATE THE INTENT OF THE PROJECT PERMITS THROUGHOUT THE DURATION OF THE PROJECT. IF THE WATER QUALITY STANDARD IS VIOLATED, SEDIMENT AND EROSION CONTROL MEASURES WILL BE REEVALUATED AND RE-INSTALLED AS DIRECTED BY THE ENGINEER.

PHASE V - PERMANENT ENVIRONMENTAL CONTROLS

TEMPORARY ENVIRONMENTAL CONTROLS WILL BE REMOVED AFTER NEW IMPROVEMENTS HAVE BEEN OPENED, AND PERMANENT EROSION, SEDIMENT AND STORM WATER CONTROL ARE IN PLACE AND FUNCTIONING. FINAL CLEAN UP WILL TAKE PLACE AND ANY TEMPORARY SURFACE WATER DIVERSIONS OR CONTROL FEATURES WILL BE CONNECTED TO THE PERMITTED STORMWATER MANAGEMENT SYSTEM.

B. STORMWATER MANAGEMENT: STORMWATER MANAGEMENT WILL BE VIA THE PERMITTED STORMWATER MANAGEMENT SYSTEM

C. OTHER CONTROLS

- A) WASTE DISPOSAL: THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ALL FERTILIZER, HYDROCARBON, OR OTHER CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD
- B) OFF-SITE VEHICLE TRACKING: WILL BE CONTROLLED BY THE FOLLOWING METHODS:
 - HAUL ROADS DAMPENED FOR DUST CONTROL
 - LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN EXCESS DIRT ON ROADS TO BE REMOVED DAILY SOIL TRACKING PREVENTION DEVICE TYPE A
- C) SANITARY WASTE: ANY FIELD OFFICES WILL HAVE PORTABLE TOILET FACILITIES OR THE CONTRACTOR WILL OBTAIN PERMITS FOR SEWAGE TREATMENT IN ACCORDANCE WITH IOD-6 F.A.C. "STANDARDS FOR ON-SITE SEWAGE DISPOSAL SYSTEMS".
- D) FERTILIZERS AND PESTICIDES: FERTILIZERS WILL BE USED ON THIS PROJECT IN ACCORDANCE WITH "FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" SECTION 982. TO AVOID NUTRIENT LOADING TO SURFACE WATERS, FERTILIZERS USED ON THIS PROJECT WILL NOT BE APPLIED WITHIN FIFTY (50) FEET OF ANY SURFACE WATERS WITHIN THE PROJECT LIMITS

D. PERMITS

THE FOLLOWING PERMITS HAVE BEEN OBTAINED FOR THE PROJECT:

SFWMD ENVIRONMENTAL RESOURCE GENERAL PERMIT No. 56-104656-P CONNECTION PERMIT No. 020-011-17 FDEP STATE 404 GENERAL PERMIT No. 56-419011-001, 002-SFG

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE FOLLOWING PERMITS:

FDEP - NPDES PERMIT SFWMD - TEMPORARY DEWATERING PERMIT (IF NEEDED)

ADDITIONAL PERMIT FEES ARE TO BE INCLUDED IN THE COST OF MOBILIZATION 101-1A

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL DEVICES THROUGHOUT THE CONSTRUCTION PHASE OF THE PROJECT. MAINTENANCE SHALL BE CONDUCTED IN ACCORDANCE WITH "FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" SECTION 104 AND "FDOT EROSION AND SEDIMENT CONTROL MANUAL"

THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES, AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES UNTIL ACCEPTANCE OF THE COMPLETED PROJECT BY THE COUNTY.

MAINTENANCE AND REPAIR REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF PAY ITEM 104-1A.

THE FOLLOWING PRACTICES WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:

THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAINFALL IN ACCORDANCE WITH NPDES PERMIT NO. FLR 100000. ALL CONTROL MEASURES WILL BE MAINTAINED BY THE CONTRACTOR.

ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT

STRUCTURAL PRACTICES CONTROLS:

BUILT-UP SEDIMENT WILL BE REMOVED FROM SILT FENCE AND STOKED TURBIDITY BARRIERS NOT LATER THAN WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

SODDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

SOIL TRACKING PREVENTION DEVICE, TYPE A SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

FLOATING TURBIDITY BARRIER WILL BE MAINTAINED WITH RESPECT TO DEPTH OF SEDIMENT AND ENSURE THAT THE FABRIC IS ATTACHED SECURELY TO THE FLOATS AND ANCHORED PROPERLY AT THE BOTTOM FOR PROPER SEDIMENT

4. INSPECTION

ALL EROSION AND WATER POLLUTION ABATEMENT AND CONTROL MEASURES WILL BE INSPECTED DAILY BY THE CONTRACTOR.

INSPECTIONS ARE TO BE PERFORMED BY QUALIFIED PERSONNEL WHO HAVE COMPLETED THE FLORIDA STORM WATER, EROSION AND SEDIMENT CONTROL TRAINING AND CERTIFICATION PROGRAM FOR INSPECTORS AND CONTRACTORS WHO HAVE PASSED THE EXAMINATION.

INSPECTION AREAS: LOCATIONS OR AREAS TO BE INSPECTED INCLUDE BUT ARE NOT LIMITED TO:

- DISCHARGE POINTS TO WATERS OF THE UNITED STATES DISCHARGE POINTS TO MS4 FACILITIES AREAS NOT MEETING THE "FINAL STABILIZATION" CRITERIA MATERIALS STORAGE/STOCKPILES
- SEDIMENTATION FACILITIES
- STRUCTURAL FACILITIES VEHICLE ENTRANCES/EXITS
- ON-SITE STORMWATER MANAGEMENT SYSTEMS

THE CONTRACTOR SHALL USE THE CONSTRUCTION INSPECTION REPORT FORM 650-040-03 FOR DAILY INSPECTIONS.

THE CONTRACTOR'S DAILY INSPECTIONS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF PAY ITEM 104-1A.

TRACKING AND REPORTING

THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING THE INSPECTION REPORT FORM 650-040-03 EVERY 7 DAYS AND AFTER ANY 0.50 INCH (OR MORE) RAINFALL EVENT. A COPY OF THE INSPECTION REPORT SHALL BE SUBMITTED

THE COUNTY SHALL MAINTAIN ALL RECORDS SUBMITTED BY THE CONTRACTOR.

PREPARATION OF THE CONTRACTOR'S WEEKLY REPORTS OF INSPECTIONS, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF

5. NON-STORM WATER DISCHARE AND HAZARDOUS WASTE

THE CONTRACTOR WILL PROVIDE ST. LUCIE COUNTY WITH AN EROSION CONTROL PLAN THAT INCORPORATES THE CONSTRUCTION SCHEDULE AND WILL INCLUDE SPILL REPORTING AND RESPONSE. WHEN THE CONTRACTOR ENCOUNTERS A SPILL, CONSTRUCTION WILL STOP WORKAND WORK WILL NOT RESUME UNTIL DIRECTED BY THE ENGINEER. DISPOSITION OF HAZARDOUS WASTE WILL BE MADE IN ACCORDANCE WITH ANY REQUIREMENTS AND REGULATIONS OF ANY LOCAL, STATE OR FEDERAL AGENCY HAVING JURISDICATION.

THE CONSTRUCTION PLANS AND SPECIFICATIONS FOR JOHNSTON ROAD AT CANAL 17 CROSS DRAIN REPLACEMENT ARE HEREBY REFERENCED AND MADE PART OF THIS STORMWATER POLLUTION PREVENTION PLAN.

7. QUANTITIES

SEE CONSTRUCTION PLANS SUMMARY OF QUANTITIES SHEETS FOR EROSION CONTROL QUANTITY TABULATION

		REVIS	Kim ov W Hor			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	—Kımlev≫Horı
			l			BRIAN A. GOOD, P.E.
			1			P.E. LICENSE NUMBER 56939
			Í			445 24th STREET, SUITE 200
			ĺ			VERO BEACH, FL 32960
			ĺ			(772) 794-4100
	l .	,	1			REGISTRY No. 35106

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ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS JOHNSTON ROAD AT CANAL 17 CROSS DRAIN REPLACEMENT

EROSION CONTROL GENERAL NOTES

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