



ADDENDUM NO. 2

Issue Date: May 6, 2021

Project Name: 4th Street Culvert Replacement at 90th Avenue (IRC-2022)

Bid Number: 2021045

Bid Opening Date: **May 19, 2021**

This addendum is being released to provide minutes to the pre-bid meeting and answer questions received. The information and documents contained in this addendum are hereby incorporated in the invitation to bid. **This addendum must be acknowledged where indicated on the bid form, or the bid will be declared non-responsive.**

Note: To facilitate social distancing, public attendance at the bid opening at 2:00 p.m. on May 19, 2021 will be via Zoom only. To participate:

<https://ircgov.zoom.us/j/7837260776>

Or Telephone:

Dial:

USA 602 333 2017

USA 8882045987 (US Toll Free)

Conference code: 153949

Attachments:

Pre-Bid Minutes

Itemized Bid Schedule – Addendum 2

Plans Cover Sheet – Addendum 2

Plan Sheets 4, 5 and 7 – Addendum 2

IRFWCD Clarification:

Per Indian River Farms Water Control District, the installation requirements for the sheet pile is as follows:

- Sheet pile will be required both north and south of the construction zone.
- A 12-foot wide weir notch in the middle, based upon the centerline of the canal, of the sheet pile shall be provided on the upstream and downstream ends with the notch no higher than 19.0-foot NGVD.

Addendum 2

- The following minimum bypass pumps shall be provided:
 - o 12-inch hydraulic pump with floating suction
 - o 6-inch hydraulic pump with floating suction
- Bypass pump discharge shall occur into some type of distilling basin to dissipate the pump energy prior to discharge into the Lateral D canal.
- In case of an imminent tropical event, IRFWCD and IRC will require the Contractor remove the sheet pile and all other non-permanent features and equipment from the limits of the canal until the storm threat has passed. As such, it will be necessary to keep vibro-hammer and power pack on site in case emergency removal of the sheeting is required.

If the Contractor desires to deviate from the above requirements, they will need to provide written documentation from the IRFWCD indicating their approval or requested changes after contract award.

Flow in the canal is approximately 42,000 gallons per minute or 93.5 cubic feet per second at high flows. The depth varies from 2 to 10 feet.

Questions and Answers

1. For the purposes of ordering our bid bond on this project, do you have a project estimate?
Engineer's Estimate is \$384,005.00.
2. Concrete pipe companies are not making 12" RCP anymore. Should we quote 15" RCP, 12" X 18" Elliptical RCP, or 12" HDPE?
The plans have been updated to reflect the use of 12-inch Class II Polypropylene for the 430-174-112 pay item, as discussed in the pre-bid minutes.
3. The county should add a section with regard to the sheet pile installation where the contractor has to carry vibration monitoring as the sheets are in close proximity to the work.
The Contractor's requirements for the protection of existing structures is covered under Section 108 of the FDOT Standard Specifications for Road & Bridge Construction. Pay Item 108-1 has been added to the Bid Form and Plan Summary of Items.
4. The existing MOT that is currently on site (conc. barriers etc.) is the MOT going to remain in place for the contractor to use?
No. The Contractor shall be responsible for providing all of their own of their own MOT devices. The County's devices will be removed in coordination with the Contractor's mobilization to project site.



Board of County Commissioners

1801 27th Street
Vero Beach, Florida 32960-3365
Telephone: (772) 567-8000
Fax: (772) 778-9391

PRE-BID MEETING MINUTES

APRIL 21, 2021 10:00 A.M.

INDIAN RIVER COUNTY ADMINISTRATION BUILDING

Room A1-303 Building A

4TH STREET CULVERT REPLACEMENT AT 90TH AVENUE

PROJECT No. IRC-2022

Project Name: 4TH STREET CULVERT REPLACEMENT AT 90TH AVENUE
Project Number: IRC-2022
Bid Number: 2021045

The following meeting notes set forth our understanding of the discussions and decisions made at the subject meeting. If no objections, questions, additions, or comments are received within three (3) days from issuance of the meeting notes, we will assume that our understandings are correct. The project will move forward according to the bid plans and specifications and the understandings herein.

INTRODUCTIONS / SIGN IN SHEET

10:08 A.M. James Ennis, P.E. (Asst. Public Works Director) opened meeting
Jennifer Hyde (IRC Purchasing Director) was present for the meeting

James Ennis noted that this meeting is being recorded AND this is a non-mandatory Pre-bid meeting for the culvert replacement project on 4th Street at 90th Avenue. Please sign in on the sign in sheet.

PROJECT DESCRIPTION:

The project will consist of the replacement of an existing culvert at the intersection of 4th Street and 90th Avenue, in the Indian River Farms Water Control District Sub-Lateral D-4 Canal. The proposed pipe will be a 96" Reinforced Concrete Pipe (RCP) with Rip-Rip Rubble end treatment at the upstream, southerly end of the pipe. Other work will include sheet piling, temporary canal bypass, earthwork, sodding, maintenance of traffic, erosion control and any other incidental work required to complete the project.

CONTRACT DETAILS

Bid opening: Wednesday, May 5, 2021 at 2:00 PM
Contract time: 60 days to substantial completion
James Ennis P.E. Indian River County - (**substantial includes roadway reopening**)

90 days to final completion
Engineer's Estimate: \$384,005.00
Liquidated Damages: \$1,170.00 per day

CONTACTS BIDDING PROCESS

All communications concerning this bid shall be directed to Indian River County Purchasing Division at purchasing@ircgov.com.

PROJECT CONSULTANTS:

In House Design – James Ennis P.E.

UTILITIES

AT&T

Comcast Cable Communications, Inc.

Florida City Gas

Florida Power and Light, Co.

Indian River County Department of Utilities Services

Indian River County Telecommunications

James Ennis P.E. Indian River County - ***(The County doesn't have any Telecom in that area)***

Indian River Farms Water Control District

James Ennis P.E. Indian River County - ***(The two utilities that we are going to be working with are FI City Gas and IRFWCD)***

James Ennis P.E. Indian River County - ***(Background: The culvert failed - it is currently collapsed in place 8in gas main that ran over the pipe, will be relocated prior to the successful bidder commencing construction. No water and sewer utilities are known to be located in the project limits, one minor drainage tie-in exists. 12in RCP not commercially available, substituting 12in Polyproylene Class II will be an addendum accompanying the minutes)***

OTHER ISSUES

- Bidders to review plan documents and provide comments to Indian River County Purchasing Department as soon as possible. No further comments or questions will be addressed from end of business, Monday, April 26, 2021.
- All areas disturbed by the Contractor will need to be restored to original conditions or better. James Ennis P.E. Indian River County ***noted that the Contractor must consider that there is a bridge structure going over the IRFWCD canal and that due care must be taken to ensure that the bridge is not disturbed or damaged)***
- Work area is to remain clean and all debris to be disposed of properly.
- Obtain all required Indian River County Building Department Permit(s) and inspections. James Ennis P.E. Indian River County indicated that ***IRC Building Department permits were not required and that this comment could be-disregarded)***
- IRC work hours are Monday to Friday from 7:00 AM to 5:00 PM
James Ennis P.E. Indian River County - ***(Contractors shall bid their schedules based on the Standard IRC work hours and that if the contractor wants to work weekends there will be an inspection fee associated with any off hours work. IRC Public Works will provide an***

approximate hourly cost estimate for inspections in the addendum)

- Maintenance of Traffic:

James Ennis P.E. Indian River County - **(4th St is closed currently - the Contractor will need to submit a MOT plan showing device on site. IRC has their devices on site and once the bidder takes over the site IRC Traffic will remove theirs and maintain a road closure until the pipe is in the roadway, substantial completion will include the roadway reopening. Final completion will be for handling asbuilts, material testing, documentation and punch list issues)**

- Contractor shall submit a Maintenance of Traffic Plan to the Indian River County, Engineering Division for approval at the Pre-Construction meeting.

James Ennis P.E. Indian River County - **Indicated that the Contractor would be responsible for providing all of their own MOT devices.**

- The Maintenance of Traffic Plan shall meet the FDOT Index Numbers (102 – Series) and shall be signed and sealed by a Florida Professional Engineer.
- Traffic flow along 90th Ave. shall be maintained at all times.

James Ennis P.E. Indian River County – **Indicated that the road closure could remain in place in the current configuration for the duration of the project which is (90th Ave North & South being open and 4th St traffic proceeding west to 98th Ave.)**

- Temporary Lane Closures require notice to the IRC traffic department 72 hours in advance and can be conducted between 9 AM and 4 PM.

James Ennis P.E. Indian River County - **(if you need to close 90th Ave, we need a MOT plan that addresses the appropriate lane shifts and flagging.)**

- Access for businesses and residences shall be maintained at all times.

James Ennis P.E. Indian River County - **(One resident has a driveway access sw corner of project that will fall within the limits. Contractor will need to maintain access and any closures need to be coordinated with the property owner and documented.)**

- Access for School buses, sanitation & US Postal Service must be maintained.

PROJECT REQUIREMENTS:

- Subcontractors – per Contract Documents requirements “Section 00458 – List of Subcontractors” must be completed.
- Summary of required Contractor form submittals checklist (Section 00300 – Bid Package content)

James Ennis P.E. Indian River County – **(emphasized that bidders must make sure all addendums that come out with project are acknowledged as part of the bid submittal, failure to do so will result in your bid being considered non responsive.)**

- Invoicing shall be submitted on monthly basis and must include release of liens and Surety’s consent for the previous month.

James Ennis P.E. Indian River County - **(Release of liens is only due beginning with the second invoice)**

DISCUSSION

Questions & Answers

Question: **Concrete pipe companies are not making 12” RCP anymore. Should we quote 15” RCP, 12” X 18” Elliptical RCP, or 12” HDPE?**

Answer: 12-inch Class II PolyPropylene pipe will be required instead of the 12-inch RCP due to the RCP pipe not being available.

Question: Soil bores on project?

Answer: **No soil bores were taken as part of the design process. IRFWCD dictated the diameter of pipe and general location.**

Q: When the 4th St (90th Ave)? did it get washed out when the pipe failed the canal has some broken concrete in it? Is that going to need to be removed?

A: **The portion of the road that got washed out was 4th St, 90th Ave was not entirely impacted by that. The broken concrete appears to be from previous bank rip-rap installation and will need to be removed within the limits of excavation.**

Q: Contractor noted the broken concrete they were referring to was at the base of canal

A: **That was material end of the pipe was likely rip rap reinforcement installed by IRC Road & Bridge or by IRFWCD. The existing rip-rap will need to be removed and replaced with new rip rap within the limits of construction, The Contractor will need to consider rip rap placement when setting up their dewatering/cofferdams.**

Q: Is there a separate item for sheet pile or is it included?

A: **Temporary Sheet pile is to be included in the cost of pipe as the quantity will be based on the Contractors means and methods.**

Q: Are we leaving the bell and spicket on the end?

A: **Yes-the pipe ends are to remain unmitered per IRFWCD's preferences.**

Q: Do we know the flow of the canal?

A: **James Ennis indicated that IRC Public Works will get the canal flow and depth and sheet pile requirements from IRFWCD.**

Q: Are we tying the 12in HDPE into 96 RCP?

A: **Yes.**

Q: Gas main conflict - are they deflecting it under or over?

A: **The gas utility will relocate the existing under and around in the culvert, as it is not currently in their easement. The installation will be by directional drilling it and will not impact construction. Gas company was notified several weeks ago and will have the existing main relocated prior to construction. It will be reinstalled after construction is complete.**

Q: Notification once started that work will be started?

A: **Notification yes, but the pipe will be removed prior to your work starting and you will need to do Sunshine 811 before digging.**

Q: Does the MOT Plan have to be signed & sealed by P.E.?

A: **Yes, the Contractor's MOT plan must be signed & sealed by a PE that the Contractor is responsible for obtaining.**

Q: Is the County handing the initial (QC) testing?

A: **No, it's on the Contractor to perform the required QC Testing. The County will perform verification testing as needed.**

Q: is there a design elevation?

A: **No.**

Q: What is the depth for the sheet piles?

A: **The sheet pile depths and locations are to be determined by the Contractor based upon their means and methods. The Contractor shall be responsible for procuring their own design and submitting the proposed location to the County for approval as part of the submittal process.**

Q: Start date is dictated by FL City Gas?

A: **Start date for construction will be dictated by the County and we are anticipating beginning work around the middle of July since the bid opening doesn't occur until May 5th.** It was noted that once the award has been made that the Contractor aggressively pursue providing all required submittals approved so that there are no hold ups with construction.

Jennifer Hyde: Change to Florida Statute requires the awarded contractor to be enrolled in the E-Verify database.

10:32 A.M. meeting adjourned.

ITEMIZED BID SCHEDULE ADDENDUM NO. 2
PROJECT NAME: 4TH STREET CULVERT REPLACEMENT AT 90TH AVENUE
PROJECT NO. IRC-2022 BID NO. 2021045 * REVISED 5/4/2021

BIDDER'S NAME: _____

Item No.	Description	Unit	Quantity	Unit Price	Amount
101-1	MOBILIZATION/DEMOBILIZATION	LS	1		
102-1	MAINTENANCE OF TRAFFIC	LS	1		
104-1	PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION	LS	1		
104-2	DEWATERING	LS	1		
* 108-1	MONITORING EXISTING STRUCTURES - INSPECTION AND SETTLEMENT MONITORING	LS	1		
110-1-1	CLEARING AND GRUBBING	LS	1		
120-1	REGULAR EXCAVATION	LS	1		
120-6	EMBANKMENT	LS	1		
160-4	TYPE B STABILIZATION (12" THICK, LBR 40)	SY	121		
285-706	OPTIONAL BASE, BASE GROUP 11 (12" THICK, LBR 100)	SY	121		
425-1-521	INLETS, DT BOT, TYPE C, <10'	EA	1		
* 430-174-112	PIPE CULVERT, ROUND, 12" SD (PP) (CLASS II) (STORM)	LF	32		
430-175-196	PIPE CULVERT, ROUND, 96" S/CD (RCP)	LF	104		
530-3-3	RIPRAP, RUBBLE, F&I, BANK AND SLOPE	TN	250		
530-3-4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	40		
570-1-2	PERFORMANCE TURF, SOD (BAHIA)	SY	250		
999-1	AS-BUILT DRAWING (BY REGISTERED SURVEYOR)	LS	1		
4TH STREET CULVERT REPLACEMENT AT 90TH AVENUE					SUB TOTAL
999-25	FORCE ACCOUNT				\$ 50,000.00
TOTAL BID AMOUNT (INCLUDING FORCE ACCOUNT)					TOTAL

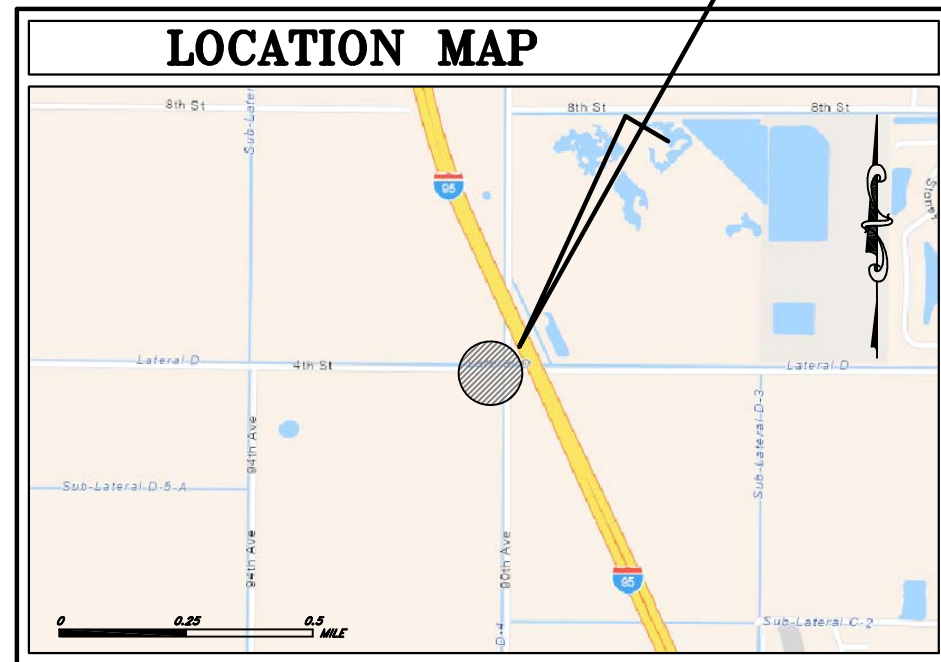
LS=Lump Sum EA=Each SY=Square Yard LF=Linear Foot TN=Ton

NOTE: IF THERE IS A DISCREPANCY BETWEEN THE PLANS (SUMMARY OF PAY ITEMS) AND THE ITEMIZED BID SCHEDULE, THE BID SCHEDULE WILL BE UTILIZED FOR BIDDING PURPOSES.

TOTAL PROJECT BID AMOUNT IN WORDS _____

**INDIAN RIVER COUNTY
BOARD OF COUNTY COMMISSIONERS
4th STREET CULVERT REPLACEMENT
AT 90th AVENUE
COUNTY PROJECT IRC-2022**

LOCATION OF PROJECT



SHEET INDEX	
1	<i>COVER SHEET</i>
2	<i>STANDARD ABBREVIATIONS</i>
3	<i>NOTES & DETAILS</i>
4	<i>SUMMARY OF QUANTITIES</i>
5	<i>PLAN AND PROFILE</i>
6-7	<i>SWPPP</i>

PLAN REVISION SUMMARY	
△	REMOVE PAY ITEM FOOTNOTE 430-175-196, ADD PAY ITEM 108-1 AND PAY ITEM FOOTNOTE 108-1, 5/4/2021, SHEET 4 OF 7 FOR ADDENDUM NO. 2.
△ & △	CHANGE RCP PIPE TO (PP) (CLASS II) (STORM) PIPE, 5/4/2021, SHEETS 4, 5 AND 7 OF 7 FOR ADDENDUM NO. 2.

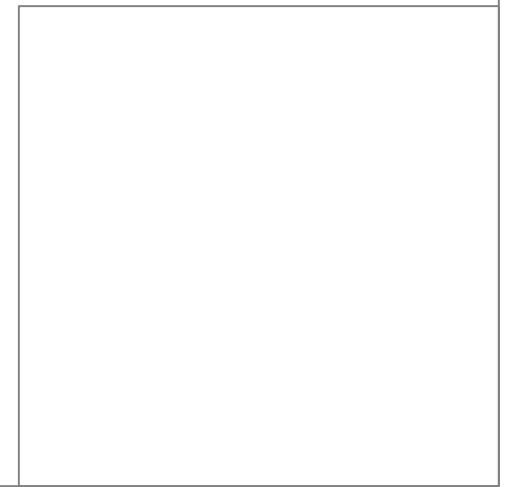
**PREPARED BY
INDIAN RIVER COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION**

1801 27TH STREET, VERO BEACH, FLORIDA 32960

JOSEPH E. FLESCHER, CHAIRMAN
PETER D. O'BRYAN, VICE CHAIRMAN
COMMISSIONER SUSAN ADAMS
COMMISSIONER JOE EARMAN
COMMISSIONER LAURA MOSS
COUNTY ADMINISTRATOR, JASON E. BROWN
PUBLIC WORKS DIRECTOR: RICHARD B. SZPYRKA, P.E.
ASSISTANT PUBLIC WORKS DIRECTOR: JAMES W. ENNIS, P.E., PMP

**GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
"FY 2020-2021 STANDARD PLANS FOR ROAD
CONSTRUCTION" AND "STANDARDS
SPECIFICATIONS FOR ROAD AND BRIDGE
CONSTRUCTION" (JANUARY 2020 EDITION), AS
AMENDED BY CONTRACT DOCUMENTS.**

ADDENDUM NO. 2



ITEM NO.	DESCRIPTION	UNITS	ESTIMATED QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
104-1	PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION	LS	1
104-2	DEWATERING	LS	1
110-1-1	CLEARING AND GRUBBING	LS	1
120-1	REGULAR EXCAVATION	LS	1
120-6	EMBANKMENT	LS	1
160-4	TYPE B STABILIZATION (12" THICK, LBR 40)	SY	121
285-706	OPTIONAL BASE (COQUINA SHELL, 12" THICK, LBR 100)	SY	121
425-1-521	INLETS, DT BOT, TYPE C, <10'	EA	1
430-174-112	PIPE CULVERT, ROUND, 12" SD (PP) (CLASS II) (STORM)	LF	32
430-175-196	PIPE CULVERT, ROUND, 96" S/CD (RCP)	LF	104
530-3-3	RIPRAP, RUBBLE, F&I, BANK AND SHORE	TN	250
530-3-4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	40
570-1-2	PERFORMANCE TURF, SOD (BAHIA)	SY	250
999-1	AS-BUILT DRAWING (BY REGISTERED SURVEYOR)	LS	1
108-1	MONITORING EXISTING STRUCTURES - INSPECTION AND SETTLEMENT MONITORING	LS	1

PAY ITEM FOOTNOTES

101-1 MOBILIZATION INCLUDES THE COST OF BONDS AND ANY REQUIRED INSURANCE AND ANY OTHER PRECONSTRUCTION EXPENSE NECESSARY FOR THE START OF THE WORK, EXCLUDING THE COST OF CONSTRUCTION MATERIALS. THE COST OF AS-BUILT DRAWINGS SHALL BE INCLUDED IN THIS PAY ITEM.

102-1 INCLUDES VERTICAL PANELS, ATTENUATORS, SIGNS, MESSAGE BOARDS, BARRICADES, AND ALL OTHER INCIDENTAL TRAFFIC ITEMS REQUIRED FOR THE MAINTENANCE OF TRAFFIC. COST TO BE INCLUDED WITHIN THIS ITEM.




104-2 INCLUDES ALL COSTS ASSOCIATED WITH THE INSTALLATION AND REMOVAL OF TEMPORARY CHECK DAMS, BY-PASS PUMPING, SHEET PILING AND THE REQUIREMENTS OF THE INDIAN RIVER FARMS WATER CONTROL DISTRICT PERMIT NO. 21-07. NO CHECK DAMS WILL BE ALLOWED IN THE INDIAN RIVER FARMS WATER CONTROL DISTRICT SUB-LATERAL "D-4" CANAL.

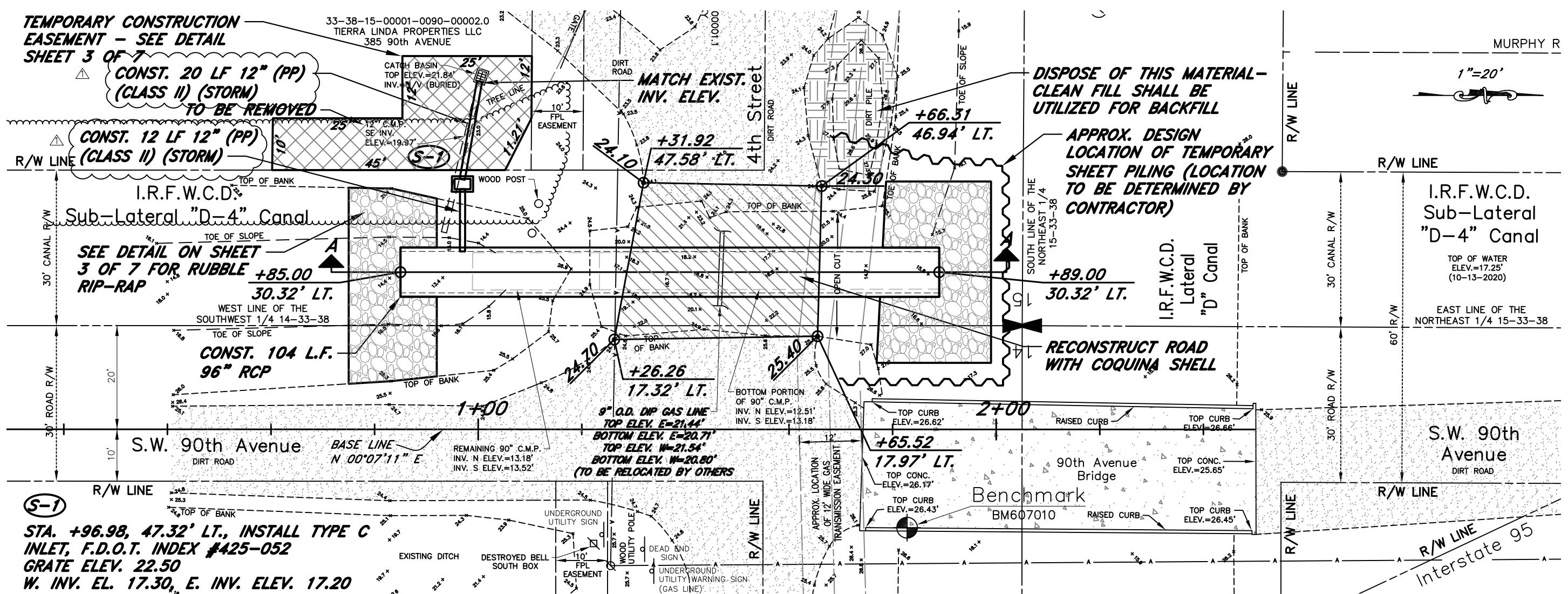
110-1-1 INCLUDES BUT NOT LIMITED TO VEGETATION & TOPSOIL REMOVAL AND/OR REMOVAL OF EXISTING PAVEMENT, THE REMOVAL OF EXISTING GUARDRAIL AND THE REMOVAL OF EXISTING PIPES CULVERTS, HEADWALLS AND/OR STRUCTURES. WHERE EXISTING PIPES ARE REMOVED AND THE EXISTING STRUCTURE REMAINS, THE RESULTING HOLE SHALL BE FORMED AND FILLED WITH CONCRETE. INCIDENTAL CONSTRUCTION COSTS INCLUDING, SURVEY STAKING, NPDES PERMITTING, AND UTILITY COORDINATION ARE INCLUDED IN THE UNIT COST OF RELATED ITEMS.

~~430-175-196 THE BOX CULVERT SHALL BE LAID IN A DRY DITCH, NO DRAIN ROCK SHALL BE ALLOWED UNDER THE PIPE OR IN THE EXCAVATION.~~

108-1 THIS PAY ITEM SHALL INCLUDE ALL INSPECTION, VIBRATION AND SETTLEMENT MONITORING FOR BRIDGE #884016 OVER THE LATERAL D CANAL.

ADDENDUM NO. 2

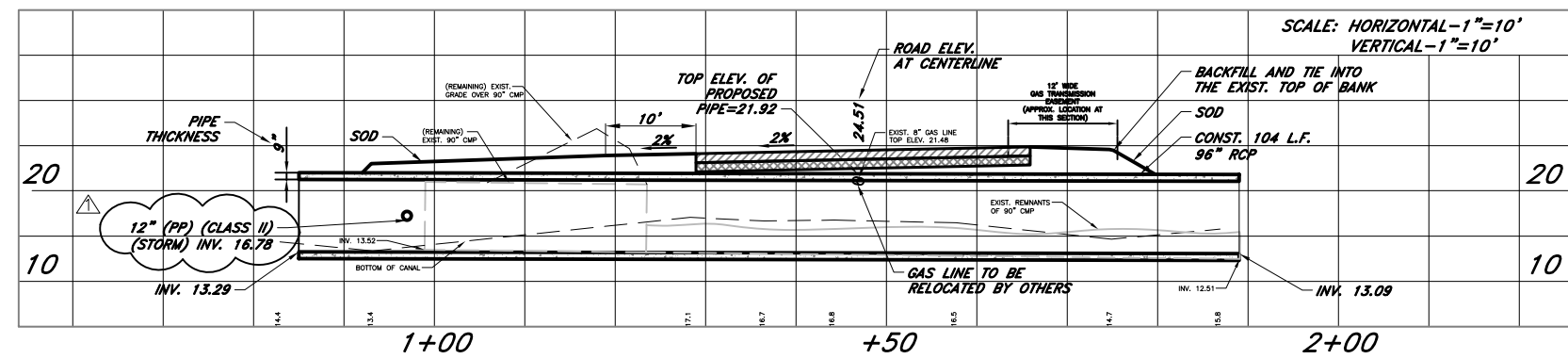
No.	Revision	Date	By	INDIAN RIVER COUNTY 1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	 Department of Public Works <i>Engineering Division</i>	DESIGNED BY: <i>J. ENNIS, P.E.</i>	SECTION <i>15</i>	DATE: <i>10/8/2020</i>	4th STREET CULVERT REPLACEMENT SUMMARY OF QUANTITIES	SHEET 4 OF 7
	CHANGE RCP PIPE TO (PP) (CLASS II) (STORM) PIPE	5/4/2021	KPH			DRAWN BY: <i>K. P. HANSEN</i>	TOWNSHIP <i>33S</i>	COUNTY PROJECT NO. <i>IRC-2022</i>		
	REMOVE PAY ITEM FOOTNOTE, ADD PAY ITEM 108-1	5/4/2021	KPH			APPROVED BY: <i>J. ENNIS, P.E.</i>	FIELD BOOK NO. <i>STANTON 4 15-24</i>	PAGE <i>38E</i>		



T.B.M. - BM607010
 SET MAG NAIL & DISC, "I.R. COUNTY TBM"
 IN TOP OF CONCRETE RUBRAIL AT SOUTHEAST
 CORNER OF BRIDGE; 12' EAST OF THE
 CENTERLINE OF 90th AVENUE; 25' NORTH OF
 THE CENTERLINE OF 4th STREET
 ELEV.=27.05' (NAVD 88)

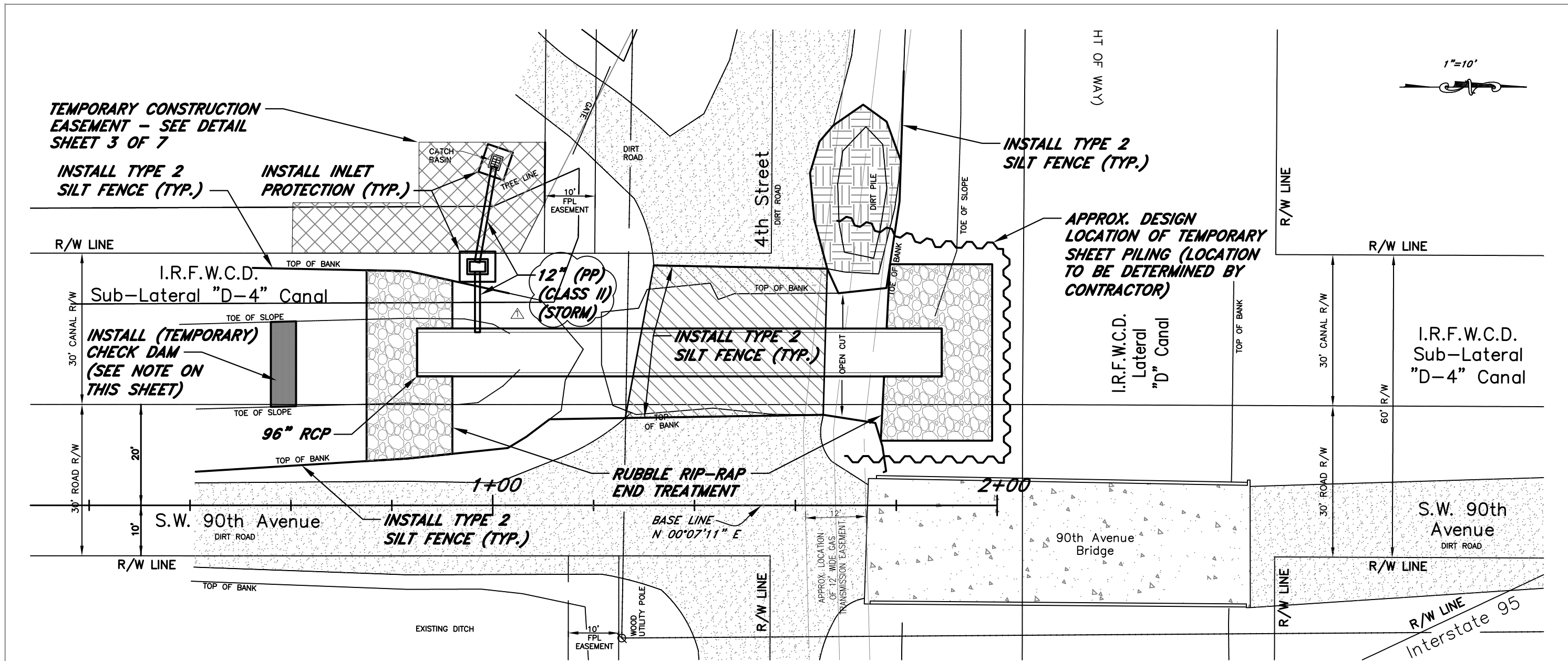
- NOTES:**
1. BYPASS PUMPING OF THE SUB-LATERAL "D-4" CANAL WILL BE REQUIRED.
 2. ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN CHANGED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

- LEGEND**
- DIRT ROAD
 - ▨ COQUINA SHELL (12" THICK, LBR 100)
 - ▤ TYPE B STABILIZATION (12" THICK, LBR 40)




ADDENDUM NO. 2

No.	Revision	Date	By	INDIAN RIVER COUNTY 1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	Department of Public Works Engineering Division	DESIGNED BY: J. ENNIS, P.E. DRAWN BY: K. P. HANSEN APPROVED BY: J. ENNIS, P.E.	SECTION 15 TOWNSHIP 33S RANGE 38E FIELD BOOK NO. STANTON 4 15-24	DATE: 10/8/2020 COUNTY PROJECT NO. IRC-2022	4th STREET CULVERT REPLACEMENT PLAN AND PROFILE	SHEET 5 OF 7
1	CHANGE RCP PIPE TO (PP) (CLASS II) (STORM) PIPE	5/4/2021	KPH							



NOTE: THE MATERIAL USED FOR THE TEMPORARY CHECK DAM SHALL BE SANDY SOILS COMPATIBLE WITH THE EXISTING MATERIAL OF THE CANAL AND SHALL CONTAIN NO CLAY SOILS. THIS IS REQUIRED TO MEET THE REQUIREMENT OF ZERO (0) N.T.U.s (NEPHELOMETRIC TURBIDITY UNITS) ALLOWABLE ABOVE BACKGROUND PER STATE T.M.D.L. (TOTAL MAXIMUM DAILY LOAD) REQUIREMENTS.

ADDENDUM NO. 2

No.	Revision	Date	By	INDIAN RIVER COUNTY 1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	 Department of Public Works Engineering Division	DESIGNED BY: J. ENNIS, P.E.	SECTION 15	DATE: 10/8/2020	4th STREET CULVERT REPLACEMENT SWPPP	SHEET 7 OF 7
						DRAWN BY: K. P. HANSEN	TOWNSHIP 33S	COUNTY PROJECT NO. IRC-2022		
CHANGE RCP PIPE TO (PP) (CLASS II) (STORM) PIPE 5/4/2021 KPH					APPROVED BY: J. ENNIS, P.E.		RANGE 38E FIELD BOOK NO. STANTON 4 PAGE 15-24			