

WORK ORDER NUMBER _____

Water Main Extension 51st Court

This Work Order Number _____ is entered into as of this ____ day of _____, 2022, pursuant to that certain Continuing Contract Agreement for Professional Services, dated April 17, 2018, renewed and amended as of May 18, 2021, (referred to as the "Agreement"), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and Schulke, Bittle and Stoddard, LLC ("Consultant").

The COUNTY has selected the Consultant to perform the professional services set forth on Exhibit 1 (Scope of Work), attached to this Work Order and made part hereof by this reference. The professional services will be performed by the Consultant for the fee schedule set forth in Exhibit 2 (Fee Schedule), attached to this Work Order and made a part hereof by this reference. The Consultant will perform the professional services within the timeframe more particularly set forth in Exhibit 3 (Time Schedule), attached to this Work Order and made a part hereof by this reference all in accordance with the terms and provisions set forth in the Agreement. Pursuant to paragraph 1.4 of the Agreement, nothing contained in any Work Order shall conflict with the terms of the Agreement and the terms of the Agreement shall be deemed to be incorporated in each individual Work Order as if fully set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this Work Order as of the date first written above.

CONSULTANT:
Schulke, Bittle and Stoddard, LLC

**BOARD OF COUNTY COMMISSIONERS
OF INDIAN RIVER COUNTY**

By: _____
Joseph W. Schulke, P.E.
Title: Managing Member

By: _____
Peter O'Bryan, Chairman

BCC Approved Date: _____

Attest: Jeffrey R. Smith, Clerk of Court and
Comptroller

By: _____
Deputy Clerk

Approved: _____
Jason E. Brown, County Administrator

Approved as to form and legal sufficiency: _____
Dylan T. Reingold, County Attorney

EXHIBIT '1'
SCOPE OF WORK
WORK ORDER NO. _____

Project Description

The proposed project will provide surveying, engineering design and permitting for the construction of a new 8" water main along 51st Ct, from 53rd St north approximately 330 lf crossing the IRFWCD 250' canal ROW. The water main will provide an interconnection and loop the current water distribution system serving the Vero Lago development and Waterway Village development. A portion of the water main will cross the existing IRFWCD canal on the existing utility shelf of the exiting concrete bridge which spans the canal.

The construction will provide existing utility customers that currently are served by water distribution systems an additional connection to a water transmission main on 53rd Street, which will provide a higher level of assurance and security of the availability of water in the event of an unforeseen operation failure, maintenance requirement or other event that could temporarily close existing water service connections to the IRC distribution system serving this area.

Scope of Services

Schulke, Bittle & Stoddard, L.L.C. will provide services including surveying, engineering design, preparation of construction plans, preparation and submittal of permit applications, preparation of contract / bid documents, construction administration and periodic construction field inspection for the construction of the new 8" water main along 51st Ct north of 53rd Street, adjacent to the Vero Lago and Waterway Village communities. (See Attachment "A" for location and Attachment "B" for construction cost estimate, and Attachment "C" for preliminary plan).

The estimated cost for this project is \$197,265.00.

In connection with this project, the County will provide the Engineer with a copy of any pertinent Preliminary Data or Reports; all available drawings in electronic AutoCADD format; all surveys, maps and other documentation in the possession of or reasonably available to the County that are pertinent to the project.

Services not included in this scope of services are listed as follows:

- Excavation for field verification of actual locations of existing underground utilities and structures. It is requested that Indian River County provide the excavation as directed by Schulke, Bittle & Stoddard, L.L.C.
- Any services associated with assisting Indian River County in review and evaluation of patent related disputes, issues, or claims including preparing to serve or serving as a consultant or witness for Indian River County in litigation, arbitration, public or private hearings, or other legal administrative proceedings involving patent related disputes, issues or claims.
- Any services in connection with the project not otherwise provided for in this scope of services.

In order to execute this project in the most cost effective manner with the most aggressive schedule, Schulke, Bittle & Stoddard, L.L.C. is retaining Meridian Land Surveying to prepare a route survey necessary for the design and construction of the project, and IF REQUIRED, will retain KSM Engineering and Testing, Inc., for the geotechnical evaluation of the soils within the project.

EXHIBIT '2'
FEE SCHEDULE
WORK ORDER NO. _____

Method and Amount of Compensation

Schulke, Bittle & Stoddard, L.L.C., proposes to provide the above Scope of Services based on the following lump sum fees:

1.	Surveying: route survey of 56 th Place, from 53 rd Street to a point approximately 350 ft. north of 53 rd Street., to include the establishment of a baseline of survey and baseline of construction, location of all existing pavement, utilities and other improvements, and establishment of survey horizontal and vertical control.	\$4,000.00
2.	Geotechnical Evaluation: NA. Borings will be provided at IRCDUS request, as needed.	\$TBD
3.	Preliminary Engineering: Consultant coordination; field investigation, documentation review, base plan preparation.	\$3,500.00
4.	Engineering design, preparation of Construction Plans & Specifications, preparation and submittal of permit Applications. Preparation of bid documents. Assistance during Bidding, bid evaluation, contract award.	\$20,000.00
5.	Construction Administration (Pre-con, shop review, pay requests, change orders, minor plan modifications, Periodic Construction/Field Inspections, As-Built review, final documentation for close-out and final certifications.)	\$5,000.00
6.	Reimbursables: Reimbursement for payment of direct costs, including Reproduction and application fees. (See below for actual costs)	\$2,500.00 estimate
Total:		\$35,000.00

Printing and Reproduction

The County shall make direct payment to our office for the cost of printing project plan sheets required for utility coordination and for copies of reports, drawings, specifications, and other pertinent items required by federal, state and local agencies from whom approval of the project must be obtained, material suppliers, and other interested parties, but may charge only for the actual cost of providing such copies based on the following tabulation:

8 1/2" x 11"	\$ 0.12/sheet	Blue Line Prints	\$ 0.333/SF
11" x 17"	\$ 0.50/sheet	Reproducible Sepias	\$ 0.75/SF
3 1/2" diskette	\$ 2.00/each	Reproducible Mylars	\$ 1.00/SF
CD	\$ 4.00/each		

Application Fees

The county shall make direct payment to our office for the actual cost of all construction permit application fees paid to jurisdictional agencies, including but not limited to:

- IRC ROW – N/A (IRCDUS does not pay IRC ROW application fees)
- FDEP Water - \$250
- IRFWCD Utility -- \$250
- FDEP NOI - \$400

EXHIBIT '3'
TIME SCHEDULE
WORK ORDER NO. _____

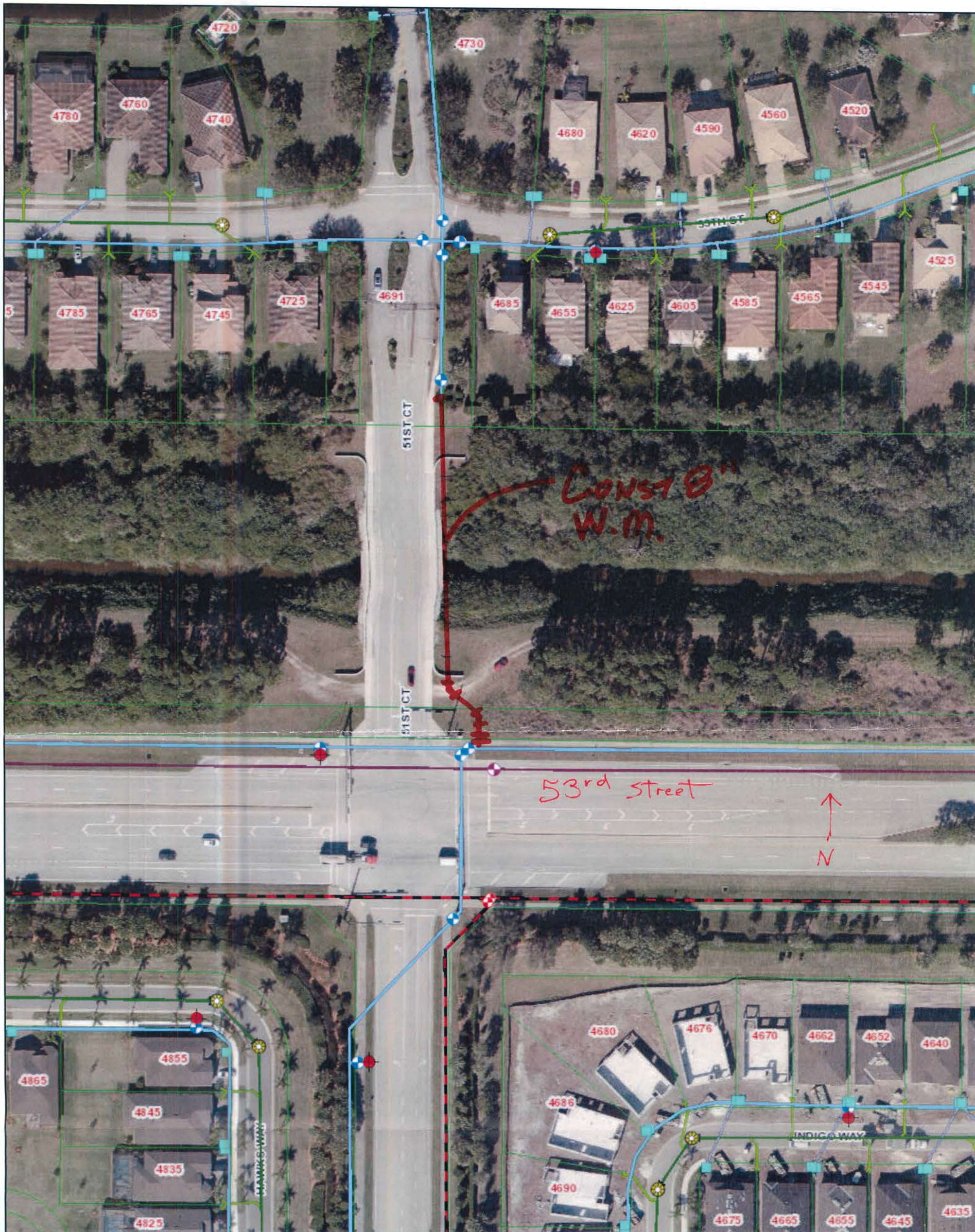
Time of Performance

The estimated time frame for completion of services from the approval of this Work Authorization is as follows:

- | | |
|---|------------|
| 1. Surveying, Engineering Design & Preparation of Construction Plans, specifications and Bid Documents | 3 ½ Months |
| 2. Submittal of Permit Applications and Receipt of permits And Bidding/Contract Award (Done Concurrently) | 1 Month |
| 3. Construction | 2 Months |

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Indian River County



CONST B
W.M.

53rd Street



4/21/2022, 10:28:23 AM

wLateralLine

- Commercial, Indian River County
- Commercial, Private
- Domestic, Indian River County
- Domestic, Private
- Domestic, Private
- Fire, Indian River County

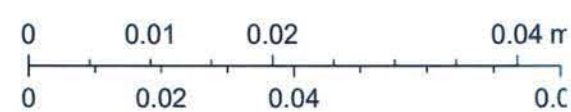
Fire, Private

- HydrantLaterals, Indian River County
- HydrantLaterals, Private
- HydrantLaterals, Private
- wSouthCountyWellLocations
- wNorthCountyWellLocations
- wWaterInterconnectLocations

wPressurizedMain

- Indian River County, Active, RawMain
- Indian River County, Active, TransmissionMain
- Indian River County, Active, DistributionMain
- Private, Pending, DistributionMain
- Indian River County, Abandoned, DistributionMain
- Indian River County, Proposed, DistributionMain

1:1,128



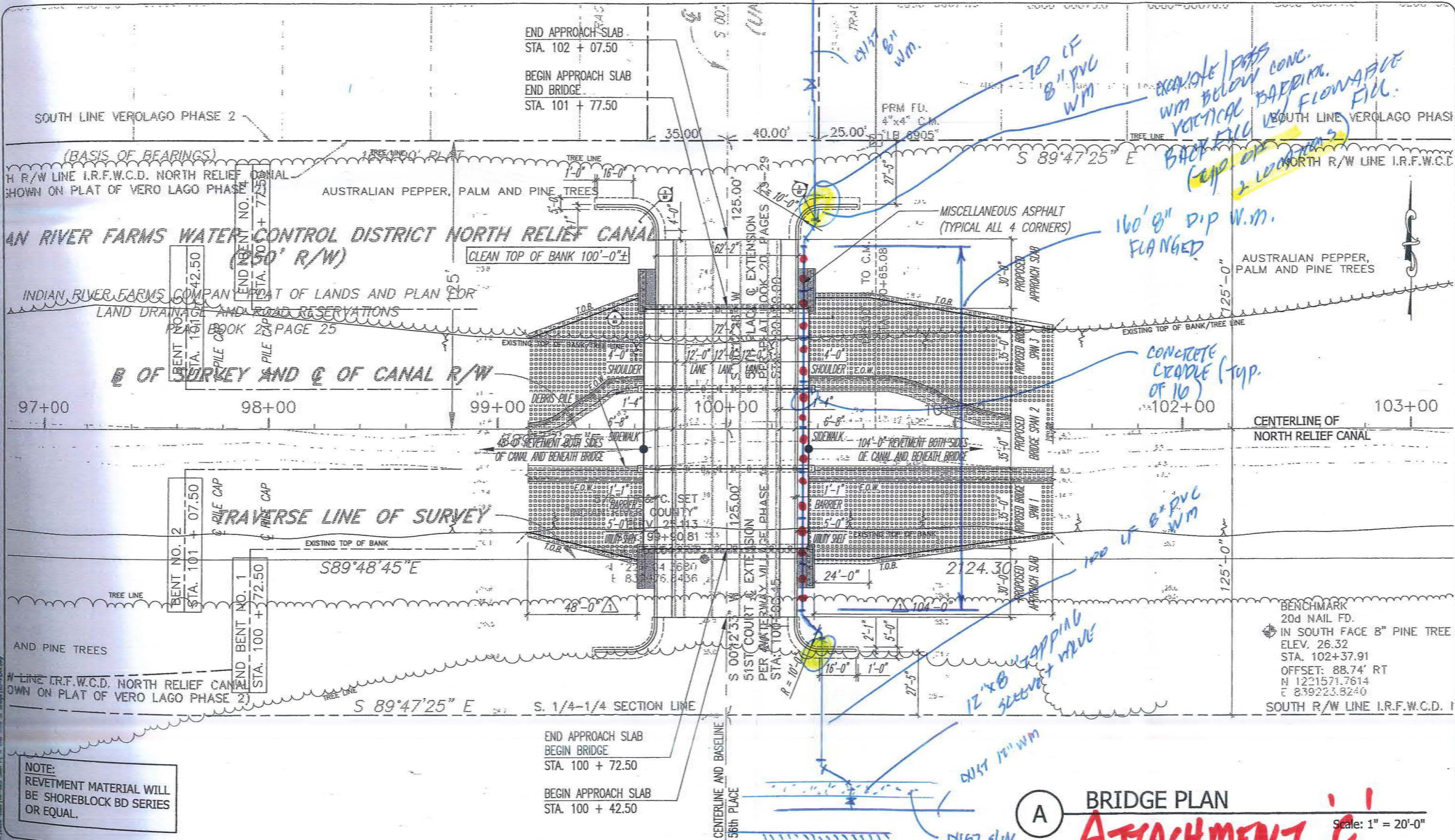
IRCGIS, FDOT, USDA, IRCDUS, IRCPA

ATTACHMENT 'A'
LOCATION

Attachment B

**Cost Estimate
IRCDUS - 8" WM - 51st Court
Bridge Crossing**

Description	Qty	Unit	Price	Total
Mobilization	1	LS	\$10,000.00	\$10,000.00
MOT	1	LS	\$5,000.00	\$5,000.00
12"x8" Tapping Slv/Valve	1	LS	\$4,500.00	\$4,500.00
Connect to Exist. 8" GV	1	LS	\$500.00	\$500.00
8" PVC WM	170	LF	\$60.00	\$10,200.00
8" DIP WM (Flanged) - 160 LF	1	LS	\$90,000.00	\$90,000.00
Concrete Cradle (Bridge)	10	EA	\$500.00	\$5,000.00
Concrete Cradle (Earth)	6	EA	\$750.00	\$4,500.00
Conc. Barrier - Flowable Fill/Pass Under	2	EA	\$1,000.00	\$2,000.00
Replace Sidewalk	120	SF	\$7.50	\$900.00
Bac-T/Sample Points	2	EA	\$750.00	\$1,500.00
Flush/Chlorinate	1	LS	\$500.00	\$500.00
Geotech - Densities	1	LS	\$2,500.00	\$2,500.00
Survey Stake-Outs/As-Builts	1	LS	\$4,000.00	\$4,000.00
			Subtotal	\$141,100.00
			Contingency (15%)	\$21,165.00
			Grand Total	\$162,265.00



NOTE:
REVETMENT MATERIAL WILL
BE SHOREBLOCK BD SERIES
OR EQUAL.

BRIDGE DESIGN ASSOCIATES, INC.
3815 Lake Parkway, Suite 300, West Palm Beach, FL 33411
Tel. (561) 686-3888 Fax (561) 686-3884
CONSULTING ENGINEERS
FLORIDA P.E. NO. 4952

NO.	REVISION	DATE	BY
1	REVISED REVETMENT LENGTH	02/08/08	C.A.B.

INDIAN RIVER COUNTY
FLORIDA

Department of Public Works
Engineering Division

Scale: AS NOTED
Approved:
Drawn: C.A.B.
Checked: B.C.R.
Date: 07/16/07
Field Book No:

PROJECT:
Proposed Concrete Bridge for:
56th Place north of 53rd Street
over North Relief Canal
Indian River County, Florida

SEAL
SHEET
B5
PROJECT NO.
06-625

A BRIDGE PLAN
Scale: 1" = 20'-0"
ATTACHMENT C!
PRELIMINARY PLAN
8" W.M.