

DATE: May 5, 2023

BID NO. ITB 20-023-LKD ADDENDUM No. 1

Project.: Istokpoga Marsh Water Improvement Phase 2 Above Ground Impoundment

The following represents clarification, additions, deletions, and/or modifications to the above referenced solicitation. This addendum shall hereafter be regarded as part of the solicitation. Items not referenced herein remain unchanged. Words, phrases or sentences with a strikethrough represent deletions to the original solicitation. Underlined words and bolded, phrases or sentences represent additions to the original solicitation, as applicable.

This addendum is being issued to revise and clarify the documents in ITB 20-023-LKD

General:

1. Maintain Driggers Road to pre-existing conditions for the limits shown below. Shell rock shall be placed to repair ruts.



Sheet G-1:

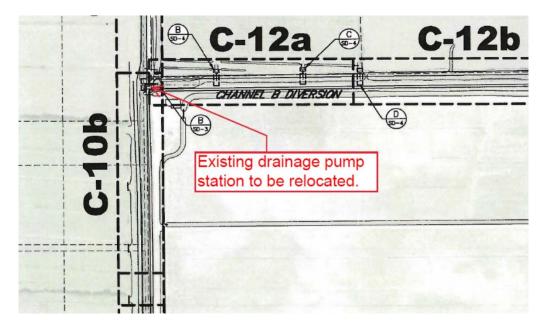
- 2. Replace CMP, corrugated metal pipe with CAP, corrugate aluminum pipe
- 3. Under Item 3 (SUBCONTRACTOR) paragraph iv, add the following sentence: Contractor shall be responsible for all work performed by sub-contractors.
- 4. Under Item 6 (EARTHWORK), add the following: g. No additional payment will be made for over excavation of borrow material.

Sheet G-3:

- 1. All existing culvert internal of the impoundment area are to remain. This excludes existing culvert under the perimeter berm footprint.
- 2. Ditch blocks internal of the impoundment area shall not be constructed.
- 3. The existing IMWID water control structure S-2 will be relocated approximately 950' south. Refer to the Supplemental Drawings for additional details.

Sheet G-4:

1. The following graphic is provided for clarification for the existing drainage pump station location:

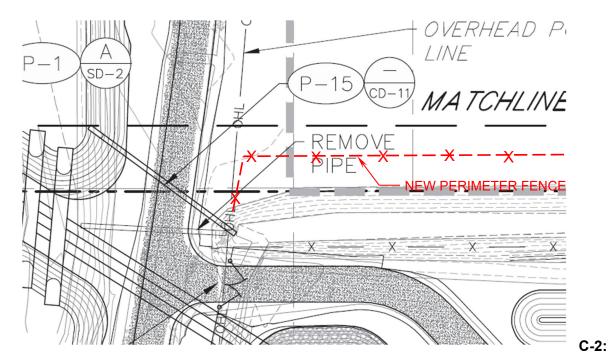


Sheet G-5:

1. The design CADD files will be provided to the successful bidder for additional layout information.

Sheet C-1:

- 1. Change "*Perimeter Fence To Remain*" to "*Perimeter Fence To Be Removed And Replaced After Construction*". Fence is to be removed and replaced along North, East and South Perimeter.
- 2. Refer to the Supplemental Drawings for revisions to the seepage ditch cross-section.
- 3. Delete structure P-15.
- 4. Add control structure CS-10 (refer to the Supplemental Drawings).
- 5. Extend perimeter fence to the north property line (see below).



Sheet

- 1. Change "*Perimeter Fence To Remain*" to "*Perimeter Fence To Be Removed And Replaced After Construction*". Fence is to be removed and replaced along North, East and South Perimeter.
- 2. Refer to the Supplemental Drawings for revisions to the seepage ditch cross-section.

Sheet C-3:

- 1. Change "*Perimeter Fence To Remain*" to "*Perimeter Fence To Be Removed And Replaced After Construction*". Fence is to be removed and replaced along North, East and South Perimeter.
- 2. Refer to the Supplemental Drawings for revisions to the seepage ditch cross-section.

Sheet C-5:

- 1. Remove the Chain Gate.
- 2. Remove culvert P-9.

Sheet C-7:

- 1. Remove both Chain Gates.
- 2. Remove culvert P-10.
- 3. Change "Seepage Ditch TOB Elev = 29.5'" to "Seepage Ditch TOB Elev = 30.5'" at the emergency overflow in the profile.
- 4. Refer to the Supplemental Drawings for revisions.

Sheet C-9:

1. Floating turbidity barrier shall be installed north of Driggers Road, as indicated below (see C-9a plan view). The floating turbidity barrier shown on sheet G-2 should be moved to this location.



Sheet SD-1:

- 1. Refer to the Supplemental Drawings for revisions to the seepage ditch cross-section.
- 2. Delete structure P-15.
- 3. Add control structure CS-10 (refer to the Supplemental Drawings).

Sheet SD-3:

1. Refer to the Supplemental Drawings for revisions to culvert P-8 detail.

Sheet CD-1:

- 2. Add a 10'x14' shelter for protection of the pump control panels. Refer to the Supplemental Drawings for additional details.
- 3. Add Specification Section 10 73 46 PRE-FABRICATED SITE SHELTERS.

Sheet CD-5:

1. Delete the Chain Gates shown in Site Plan A.

Sheet CD-6:

- 1. ACCESS RAMP B DETAIL: Refer to Supplemental Drawings for revisions to seepage ditch cross-section.
- 2. Delete the Chain Gate shown in Detail C

Sheet CD-8:

- 1. Compacted 57 stone shown in detail D shall be eight (8) inches.
- 2. Topsoil layer shown in detail E shall be four (4) inches.
- 3. For Detail "C" (BORROW DITCH DETAIL), D shall be a minimum of seven (7) feet and the minimum distance from toe of berm to top of borrow ditch shall be 35 feet.

Sheet CD-9:

- 1. Barbed wire fence post spacing shall be 16' with four strands of wire.
- 2. Delete Detail K (Chain Gate Detail).

Sheet CD-11:

- 1. Delete culverts P-9, P-10 and P-15 from the Culvert Information Table.
- 2. Change the data for P-8 culvert to the following:

	CULVERT INFORMATION TABLE												
IC	ID QTY MATERIAL GAUGE				CORRUGATION	DIAMETER (in.)	LENGTH (ft.)	U/S INVERT	D/S INVERT	MIN. COVER (in.)			
P-	8	4	HDPE	na	na	42	85	25.2	25.0	15			

Sheet XS-1:

1. Cross-Sections 1-10: Refer to the Supplemental Drawings for revisions to the seepage ditch cross-section.

Sheet XS-2:

1. Cross-Section 11: Refer to the Supplemental Drawings for revisions to the seepage ditch crosssection.

ATTACHMENTS:

- A1-1 Section 10 73 46 Pre-Fabricated Site Shelters
- A1-2 Supplemental Drawings 03/06/2023

End of Addendum.

SECTION 10 73 46 PRE-FABRICATED SITE SHELTERS

PART 1 GENERAL

1.1 SUMMARY

- A. Design, fabrication, finishing, and delivery of pre-engineered, factory-fabricated site shelters.
- B. Site work related to installation, by Contractor, including:
 - 1. Unloading and temporary storage, if any.
 - 2. Soil testing, if necessary.
 - 3. Site preparation.
 - 4. Column foundations, rebar, anchor bolts, and anchor embedment.
 - 5. Erection.
 - 6. Field touch up painting of factory finishes, if necessary.
- C. Site access for delivery vehicles to be provided by Owner.
- D. Related Sections: Section 031/034M Concrete, Form Work, and Reinforcing Steel: Concrete footings.

1.2 SYSTEM DESCRIPTION

- A. Design shall meet or exceed applicable building code.
- B. Pre-fabricated package shall include structural steel framing members, pre-cut roof panels, trim, and fasteners.
- C. All bolts shall be hidden, concealed inside the steel tubes.
- D. Field labor required to install the pre-fabricated parts. Onsite welding shall not be required or permitted.

1.3 REFERENCES

- A. American Society of Testing Material (ASTM)
 - 1. ASTM A325 Standard Specification for Structural Bolts, Steel, Heat Treated
 - 2. ASTM A500 Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes
 - 3. ASTM A563 Standard Specification for Carbons and Alloy Steel Nuts
 - 4. ASTM A572 Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel
 - 5. ASTM F1554 Standard Specification for Anchor Bolts, Steel, 36, 55, and 105-ksi Yield Strength
- B. American Institute of Steel Construction (AISC)

SECTION 10 73 46 - 1

- C. American Welding Society (AWS)
- D. Steel Structures Painting Council (SSPC); SSPC-SP10 Near-White Blast Cleaning
- E. Leadership in Energy and Environmental Design (LEED)
- F. OSHA Standards 29 CFR, Part 1926, Subpart R (Steel Erection), Standard Number 1926.755: Compliance requires a minimum of four anchor bolts per column.

1.4 QUALITY ASSURANCE

- A. Designer Qualifications: Design under direct supervision of a Professional Engineer experienced in design of this type of work and licensed in the State of Florida.
- B. Manufacturer Qualifications: Company experienced in design and manufacture of shelters of the type specified, and having the following:
 - 1. Minimum five years of experience in design and fabrication of pre-fabricated steel shelters.
 - 2. Three references of similar shelters completed within the past year.
 - 3. Fabricator membership in American Institute of Steel Construction (AISC), requiring quality control documentation and procedures. Provide current AISC shop certification upon request.
 - 4. All welding to be performed to AWS standards by AWS certified welders. Provide welding certification upon request.
- C. Perform the work in accordance with applicable federal, State, and local building and safety codes and regulations.

1.5 SUBMITTALS

- A. Minimum five (5) sets of shop drawings and one (1) PDF format, showing all details of construction, including foundation sizes, reinforcement, and locations.
 - 1. Provide the licensed professional engineer's state stamp or seal on the shop drawings.
 - 2. Provide the licensed professional engineer's state stamp or seal on the structural calculations.
- B. Selection Samples: For each finish product specified, color charts representing manufacturer's full range of available colors.
- C. Warranty
 - 1. Provide minimum five year frame warranty against manufacturer defects.
 - 2. Provide roofing manufacturer's limited warranty.

1.6 DELIVERY, STORAGE, AND PROTECTION

A. Package factory-finished steel components in foam, cardboard, and stretch wrap to protect the finish during transit.

- B. Shipped knocked down for minimal shipping charges.
- C. Deliver products to project site in manufacturer's protective packaging.
- D. Follow shelter manufacturer's recommendations and instructions, including those printed on the shop drawings. To minimize damage during unloading, use only padded forks or non-marring slings. Any damaged components shall be replaced without any cost to the owner.
- E. Store products in manufacturer's unopened packaging well off the ground and covered out of weather until ready for installation.

PART 2 PRODUCTS

2.1 GENERAL

- A. Model: TS-H1014-04 as manufactured by RCP Shelters, Inc. or approved equal
- B. Size and dimensions
 - 1. Shape: rectangle
 - 2. Dimensions: 10' x 14' reference preliminary drawings
 - 3. Roof Style: square hip
 - 4. Roof Pitch: 4:12
 - 5. Eave Height: minimum 8'-0"
- C. Approved Manufacturer: RCP Shelters, Inc. or approved equal
 - 1. 2100 SE Rays Way, Stuart, FL 34994.
 - 2. Toll Free: 800-525-0207
 - 3. Fax: 772-288-0207
 - 4. Website: <u>www.rcpshelters.com</u>
 - 5. Email: info@rcpshelters.com
- D. Substitutions: Products other than specified must request and receive approval in writing by addendum at least ten (10) days prior to the bid date. See Instructions to Bidders for further instructions.

2.2 STEEL STRUCTURAL COMPONENTS

- A. Structural Framing: fabricated for field assembly using bolted connections with no welding required or permitted; cold-formed shapes prohibited.
 - 1. Columns & Beams: ASTM A500 Grade C structural steel tube. The following shapes are prohibited: I-beams, wide-flange beams, C-channels, Z-shapes.
 - 2. Plates: ASTM A572 Grade 50.
 - 3. Compression Ring: steel plate, ASTM A572 Grade 50.
 - 4. Fasteners
 - a. Bolts: ASTM A325 high strength bolts.
 - b. Nuts: ASTM A563 high strength nuts.
 - 5. Column Anchors: ASTM F1554 Grade 36, provided by Contractor, attached to top of foundation, recessed below slab on grade.

- 6. Cap plates: factory bent and field installed with hidden fasteners on hip and ridge beams not normal to roof so that metal roof deck does not bear structurally on beam corner only
- 7. Finish: Powder Coat
 - a. Pre-blast inspection to catch and remove oil, grease, and other coatings impeding contaminants
 - b. Steel grit blasted to near white condition in accordance with SSPC-SP10, removing all oil residue, mil scale, weld spatter, and slag
 - c. Five stage phosphate wash (includes detergent, phosphate, rust protectant sealant)
 - d. Epoxy powder coat primer
 - e. Double topcoat TGIC polyester powder coat; color to be selected from manufacturer's standard color chart by Owner.
 - f. Primer plus finish coats shall be 7-12 mils thick
 - g. All materials inspected to meet 100% coating, proper cure, film thickness, and impact resistance
 - h. Wet-coat alternatives shall not be acceptable.
- B. Roof System: Galvalume[®] structural metal roof panels with exposed fasteners.
 - 1. Acceptable Panel Profiles:
 - a. Galvalume[®] panels with 1-1/2" high ribs, 7.2" on center.
 - 2. Panel Gauge: minimum 24-gauge.
 - 3. Panel Width: 3'-0".
 - 4. Panel Length: Precut to the length from the eave to the ridge; angles factory precut.
 - 5. Panel Orientation: Ribs shall run with the pitch of the roof for proper drainage.
 - 6. Trim: Provide matching roof trim and fasteners.
 - 7. Finish: Factory pre-finished with Kynar 500[®] paint system; color to be selected by Owner from standard color chart.

PART 3 EXECUTION

- 3.1 EXAMINATION
 - A. Verify that site earthwork has been performed as required for satisfactory installation.

3.2 PREPARATION

A. Install footings and column anchors of size, design, and location as specified by shelter manufacturer on approved shop drawings.

3.3 INSTALLATION

- A. Perform installation in accordance with applicable federal, State, and local building and safety codes.
- B. Structural special inspections, if required, are to be arranged and paid for by the Contractor or Owner.
- C. Install shelter in accordance with manufacturer's approved shop drawing and good construction practices.

- D. Install slab in accordance with shelter manufacturer's shop drawings. Slab perimeter dimensions determined by Owner.
- 3.4 CLEANING AND PROTECTION
 - A. Clean installed work to like-new condition.
 - B. Protect installed products until completion of project.
 - C. Touch-up, repair, or replace damaged finishes before Substantial Completion. Touch up paint provided by manufacturer.

END OF SECTION

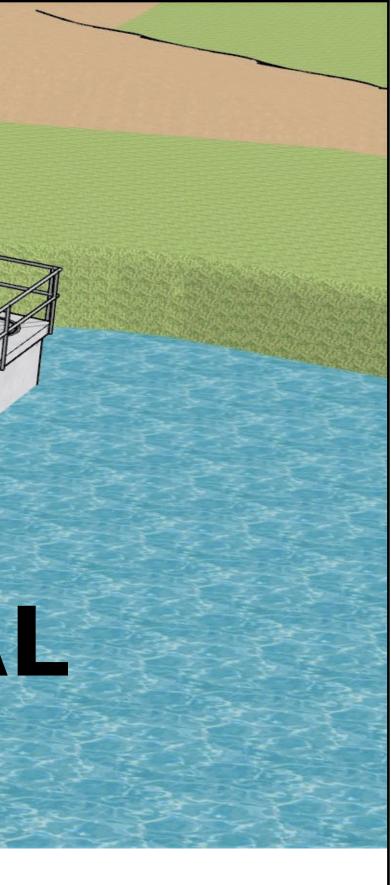
SUPPLEMENTAL DRAWINGS

and a

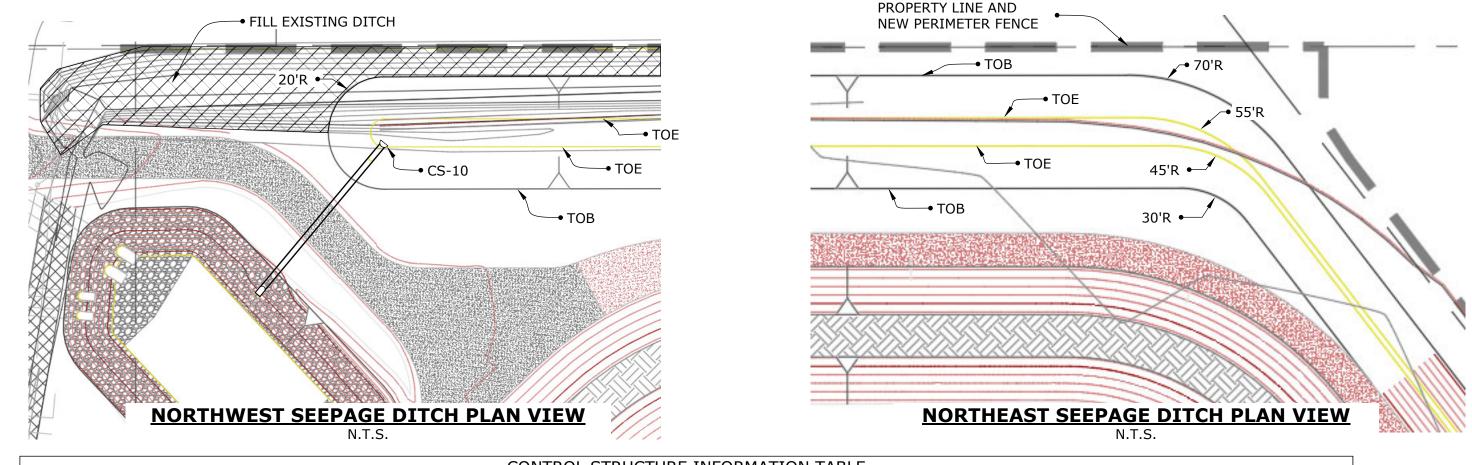
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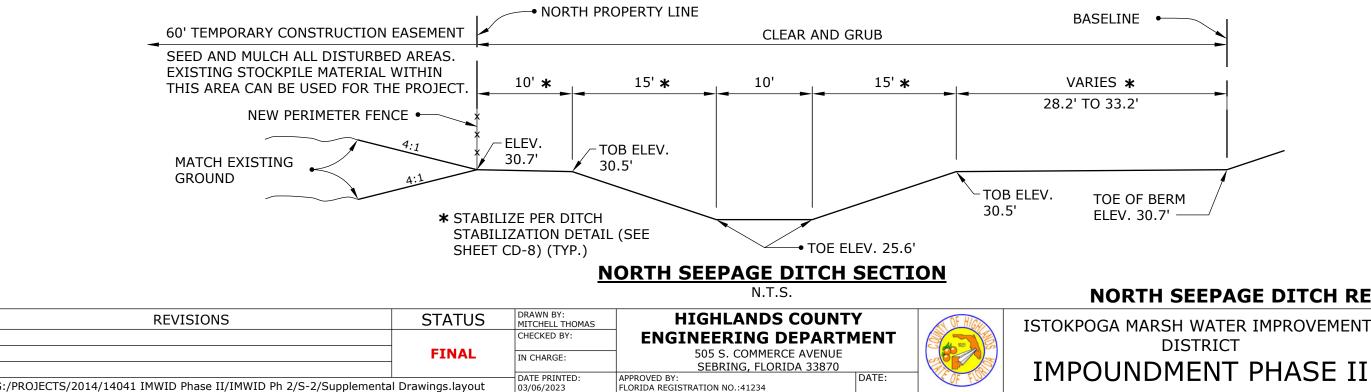




A1-2 Supplemental Drawings 3/6/2023



CONTROL STRUCTURE INFORMATION TABLE																
	QTY	RISER INFORMATION								OUTFALL INFORMATION						
ID		MATERIAL	GUAGE	CORRUGATION	DIAMETER (IN.)	TOP (ft.)	BALLAST (ft.)	TOTAL (ft.)	MATERIAL	GUAGE	CORRUGATION	DIAMETER (in.)	LENGTH (ft.)	U/S INVERT (ft.)	D/S INVERT (ft.)	MIN. COVER (in.)
CS-10	1	ALUM	12	2-2/3x1/2	48.0	31.0	1.6	7.4	ALUM	14	2-2/3x1/2	36.0	70.0	26.0	25.0	18.0

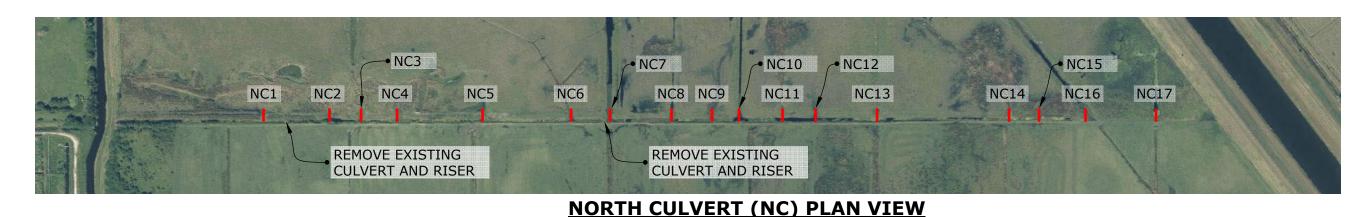


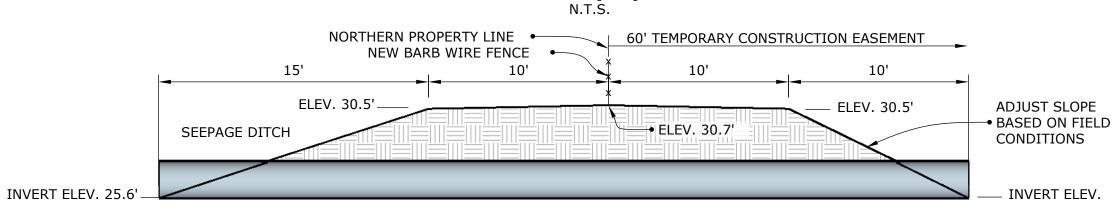
A1-2 Supplemental Drawings 3/6/2023

NORTH SEEPAGE DITCH REVISIONS

ISTOKPOGA MARSH WATER IMPROVEMENT

ORIZONTAL SCALE N.T.S. VERTICAL SCALE: N/A PROJECT NO. N/A SHEET NO. 2 OF 9





NORTH CULVERT (NC) SECTION VIEW

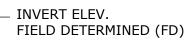
N.T.S.

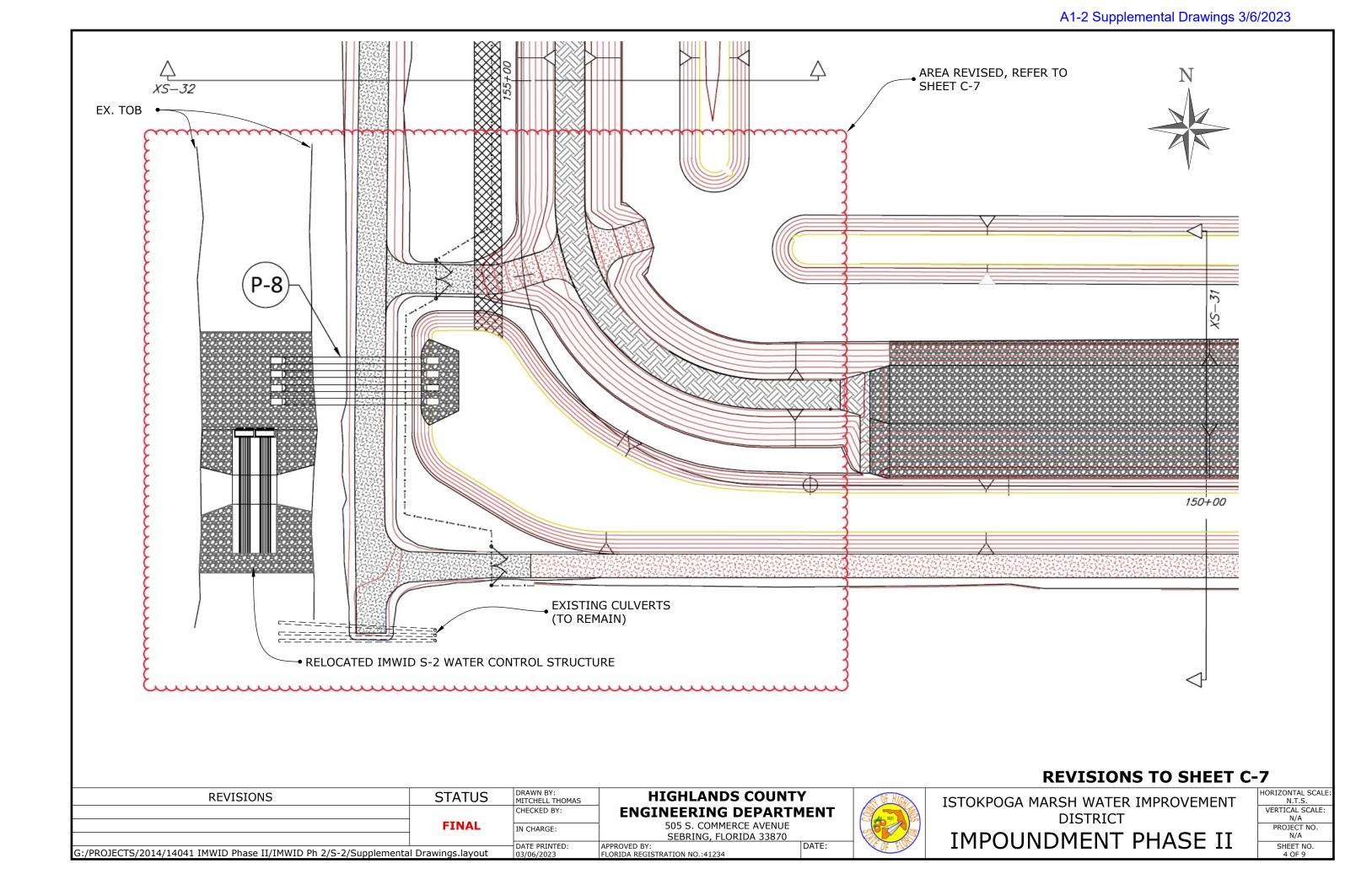
NORTH CULVERT INFORMATION TABLE												
ID	QTY	MATERIAL	GUAGE	CORRUGATION	DIAMETER (in.)	LENGTH (ft.)	U/S INVERT (ft.)	D/S INVERT (ft.)	MIN. COVER (in.)	LAT.	LONG.	
NC1	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.95"N	81°13'54.88"W	
NC2	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.73"N	81°13'51.14"W	
NC3	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.75"N	81°13'49.49"W	
NC4	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.80"N	81°13'47.33"W	
NC5	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.80"N	81°13'42.44"W	
NC6	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.86"N	81°13'37.79"W	
NC7	1	HDPE	NA	NA	24.0	45.0	FD	25.6	18.0	27°17'17.80"N	81°13'35.67"W	
NC8	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.72"N	81°13'32.22"W	
NC9	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.79"N	81°13'30.08"W	
NC10	1	HDPE	NA	NA	24.0	45.0	FD	25.6	18.0	27°17'17.82"N	81°13'28.47"W	
NC11	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.82"N	81°13'26.07"W	
NC12	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.79"N	81°13'24.28"W	
NC13	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.84"N	81°13'20.86"W	
NC14	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.89"N	81°13'13.39"W	
NC15	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.89"N	81°13'11.58"W	
NC16	1	HDPE	NA	NA	24.0	45.0	FD	25.6	18.0	27°17'17.88"N	81°13'8.84"W	
NC17	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.87"N	81°13'5.35"W	

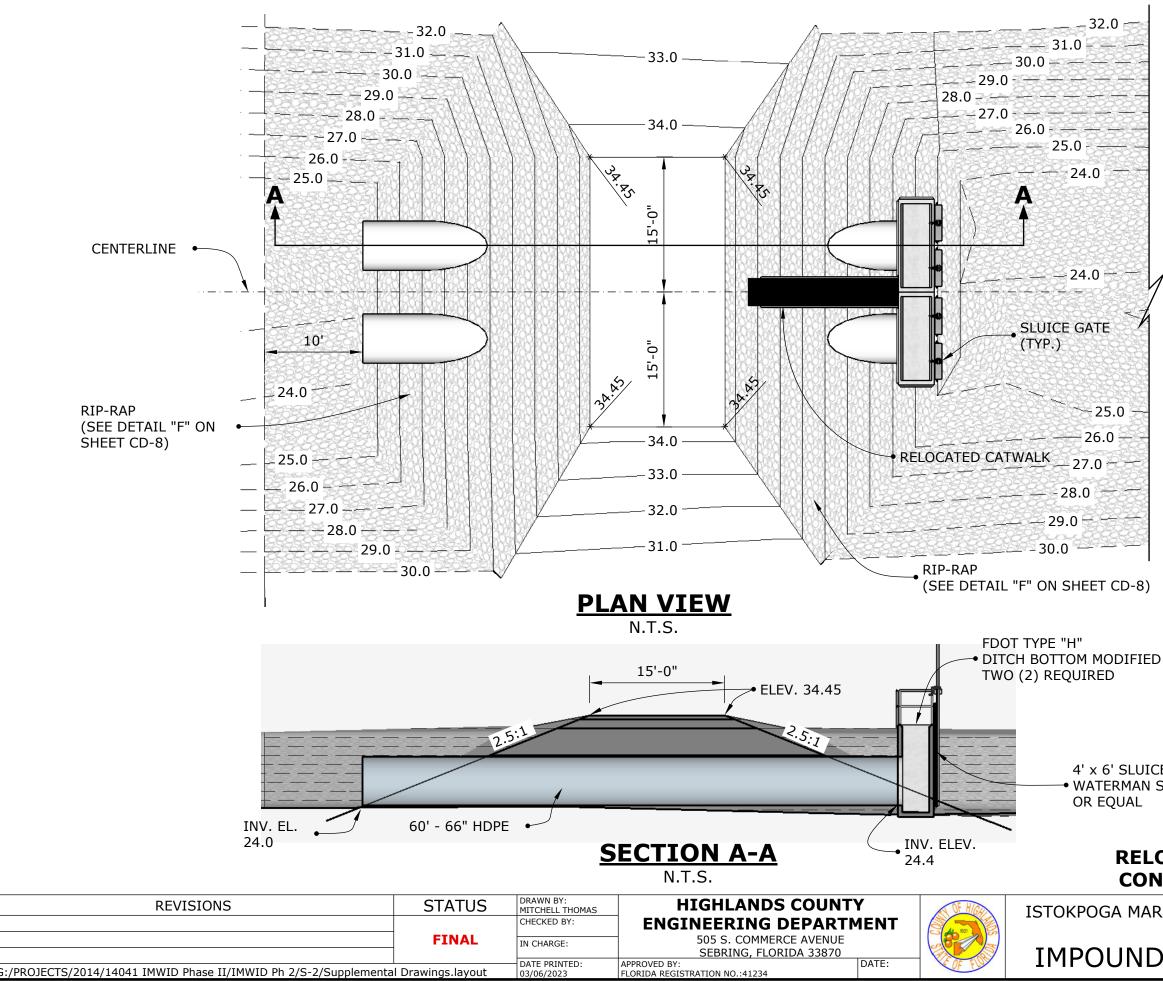
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OGA MARSH WATER IMPROVEMENT DISTRICT OUNDMENT PHASE II

HORIZONTAL SCALE: N.T.S. VERTICAL SCALE: N/A PROJECT NO. N/A SHEET NO. 3 OF 9







IMPOUNDMENT PHASE II

ISTOKPOGA MARSH WATER IMPROVEMENT DISTRICT

RELOCATED IMWID S-2 WATER CONTROL STRUCTURE LAYOUT HORIZONTAL SCALE :AS SHOWN

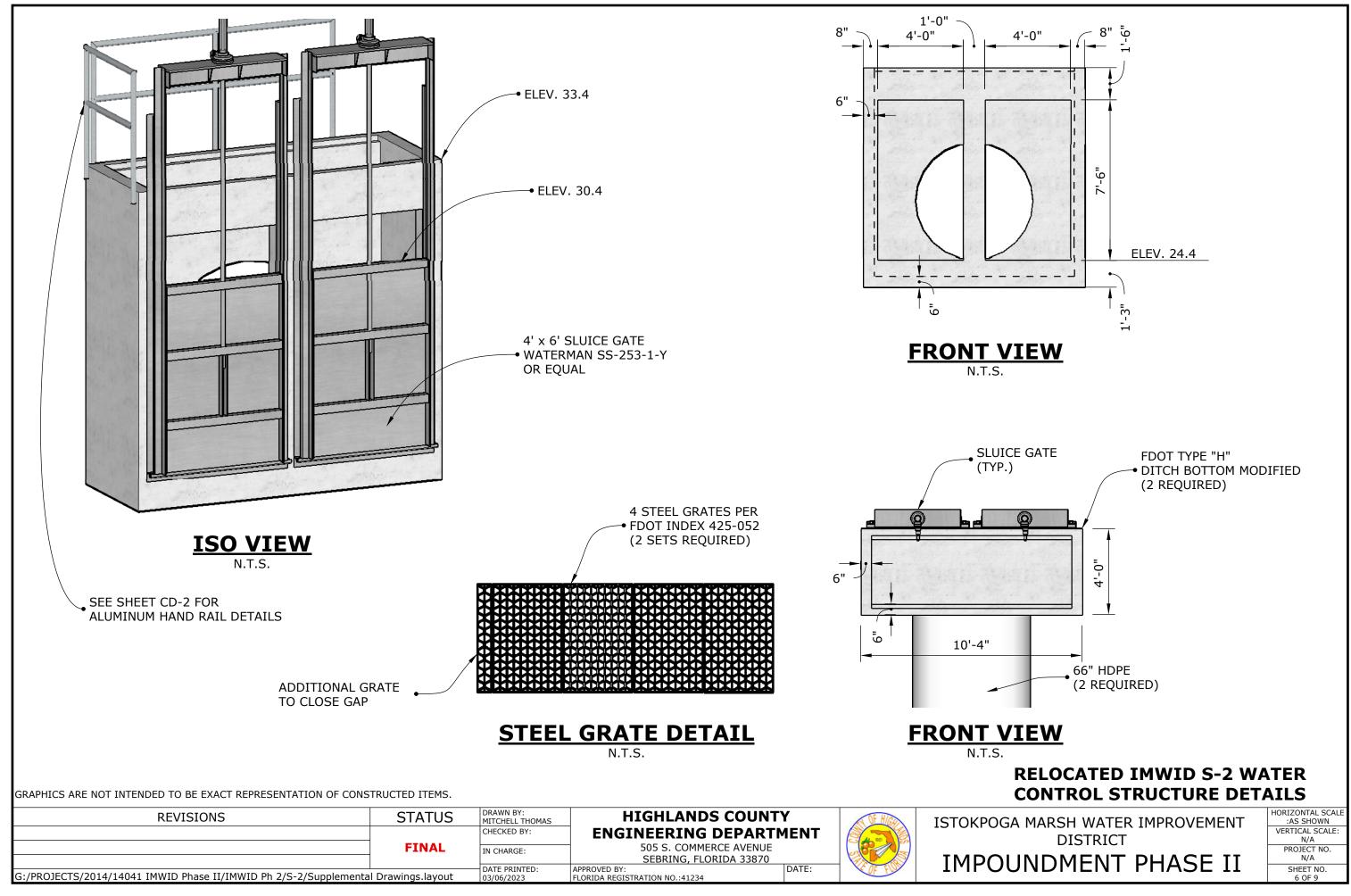
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N/A

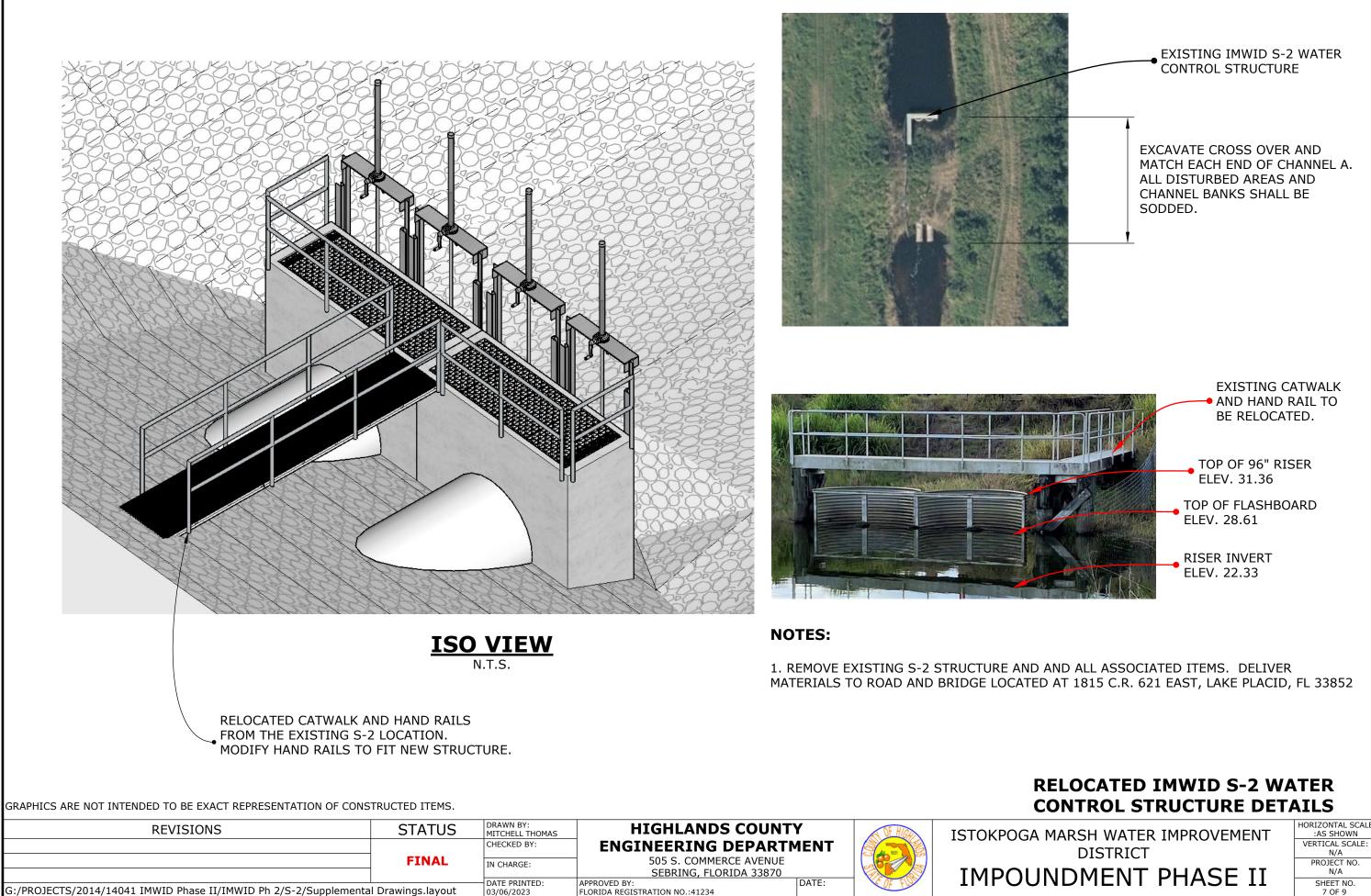
PROJECT NO. N/A

SHEET NO. 5 OF 9

4' x 6' SLUICE GATE • WATERMAN SS-253-1-Y

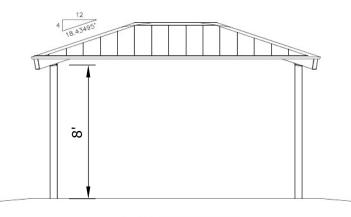


A1-2 Supplemental Drawings 3/6/2023



A1-2 Supplemental Drawings 3/6/2023

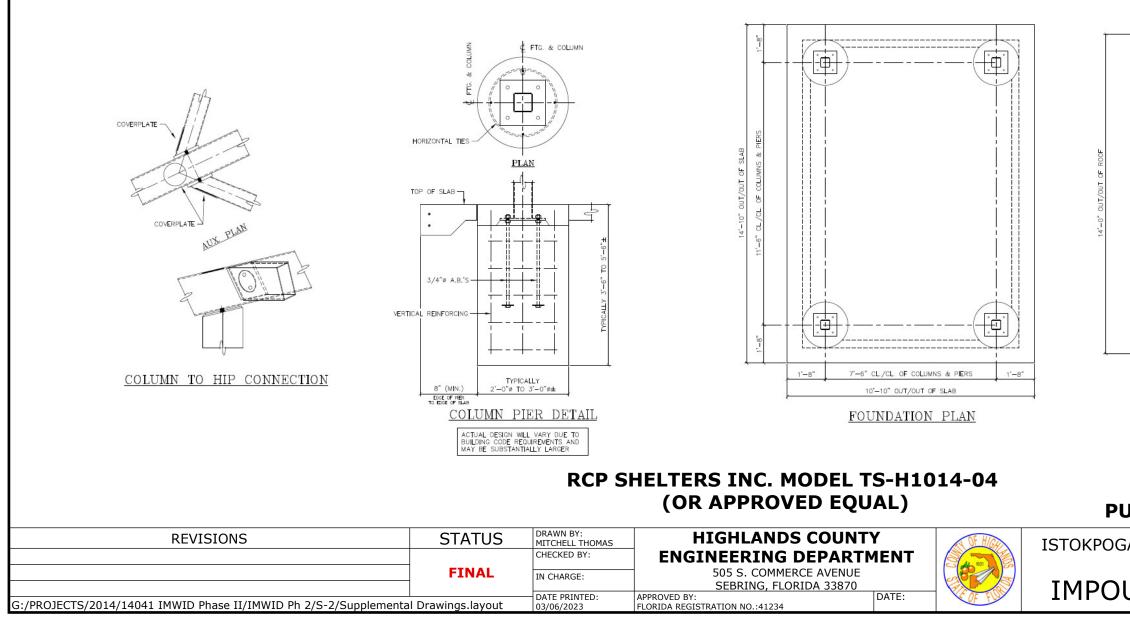
7 OF 9



SIDE ELEVATION



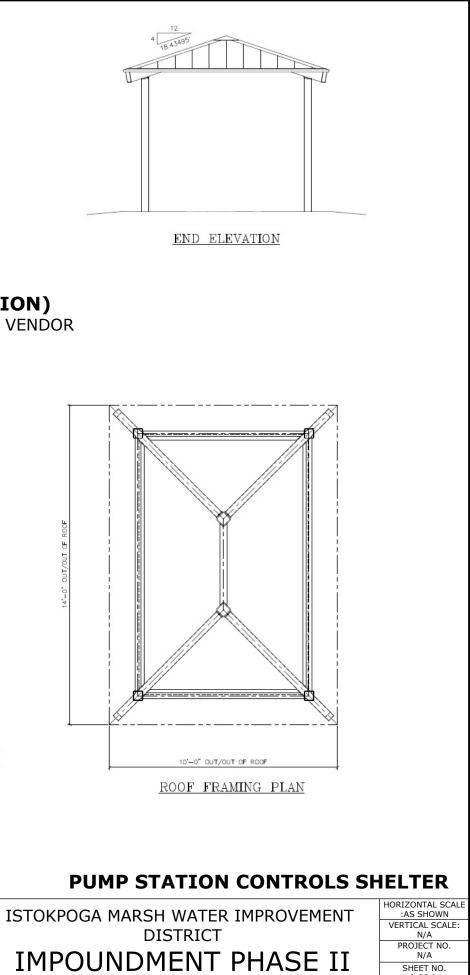
FINAL CONSTRUCTION PLANS TO BE PROVIDED BY THE SHELTER VENDOR



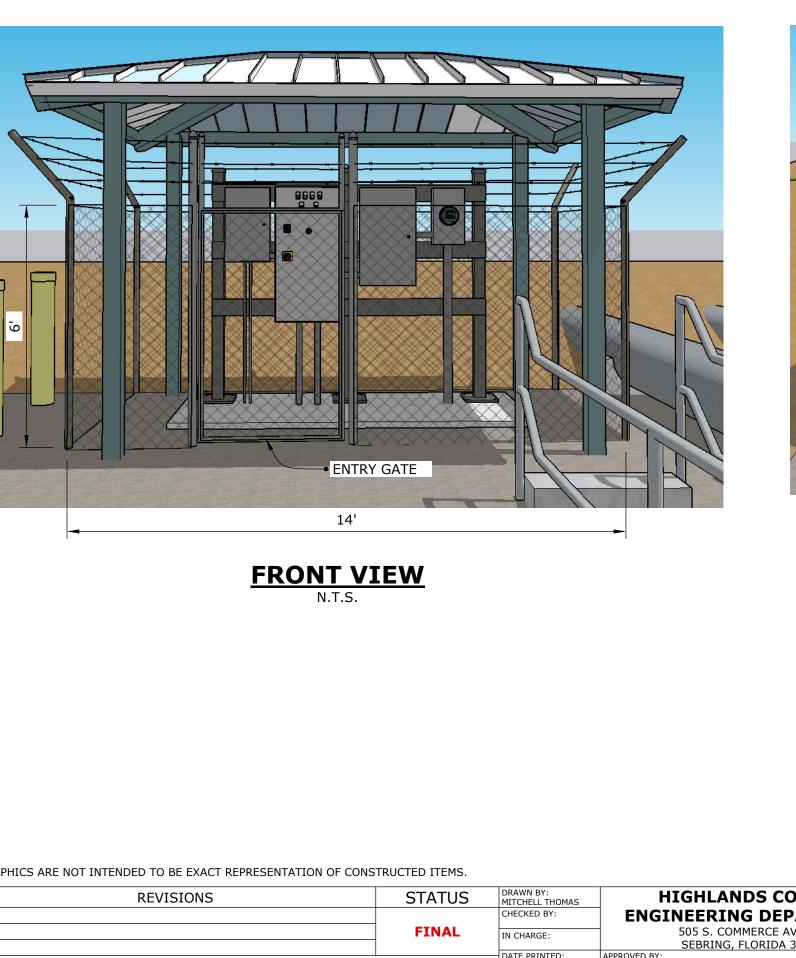
PLAN

HIP TO RIDGE CONNECTION

A1-2 Supplemental Drawings 3/6/2023



8 OF 9

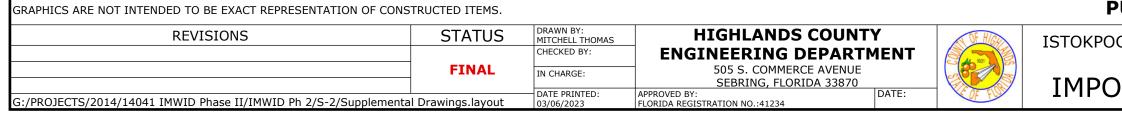






NOTES:

1. REFER TO FDOT INDEX 550-002 FOR FENCING DETAILS AND SPECIFICATIONS. 2. ENTRY GATE SHALL BE FOUR (4) FEET WIDE, SWING OUT AND HAVE A LOCKABLE LATCH. 3. ENTRY GATE SHALL HAVE BARB WIRE MATCHING FENCE BARB WIRE.



A1-2 Supplemental Drawings 3/6/2023

PUMP STATION CONTROLS SHELTER

ISTOKPOGA MARSH WATER IMPROVEMENT DISTRICT

IMPOUNDMENT PHASE II

HORIZONTAL SCALE :AS SHOWN VERTICAL SCALE: N/A PROJECT NO. N/A SHEET NO. 9 OF 9