

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:

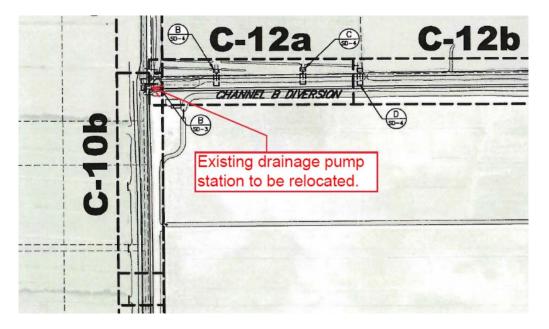
- 2. Replace CMP, corrugated metal pipe with CAP, corrugate aluminum pipe
- 3. Under Item 3 (SUBCONTRACTOR) paragraph iv, add the following sentence: Contractor shall be responsible for all work performed by sub-contractors.
- 4. Under Item 6 (EARTHWORK), add the following: g. No additional payment will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

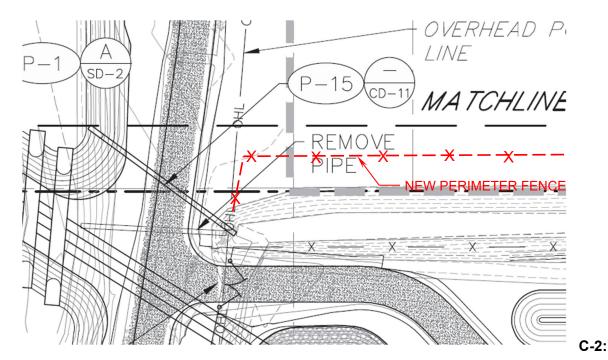


#### Sheet G-5:

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<sup>®</sup> structural metal roof panels with exposed fasteners.
  - 1. Acceptable Panel Profiles:
    - a. Galvalume<sup>®</sup> 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<sup>®</sup> 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

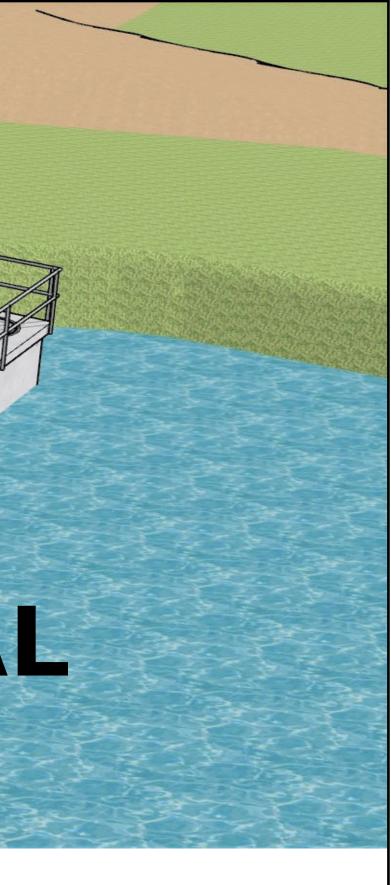
# SUPPLEMENTAL DRAWINGS

and a

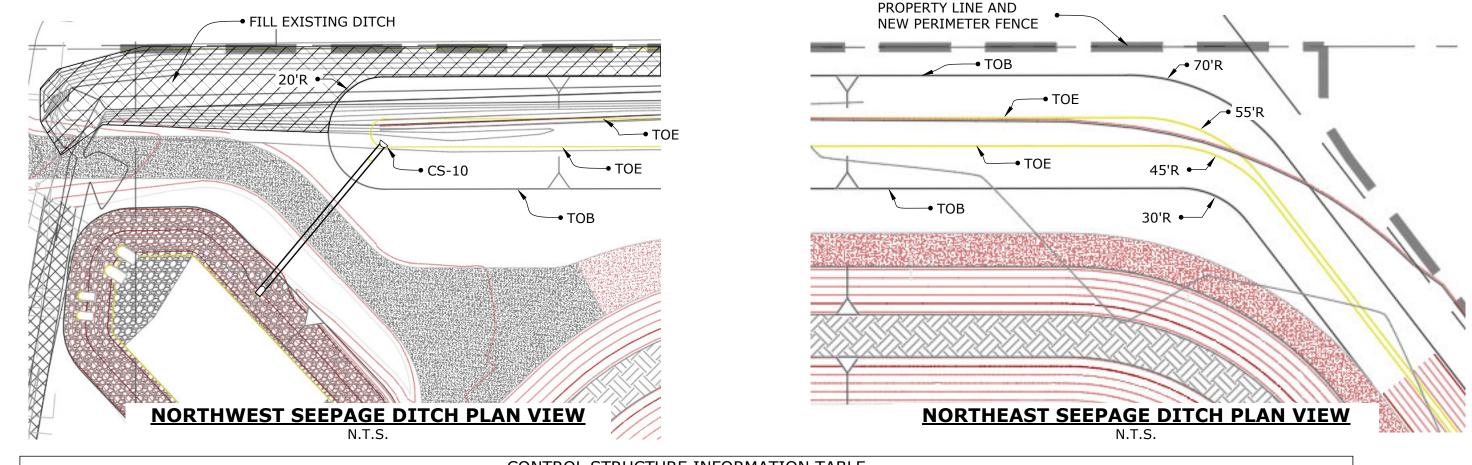
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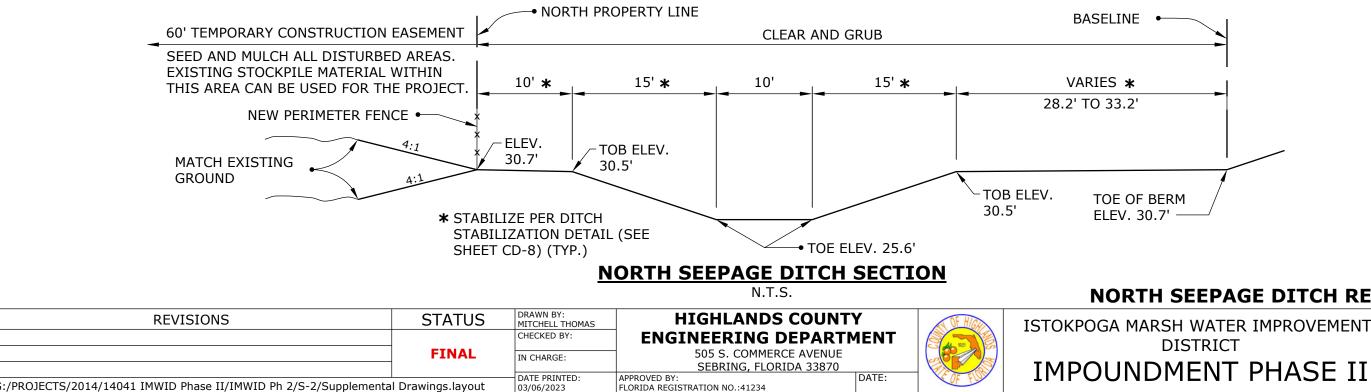




A1-2 Supplemental Drawings 3/6/2023



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

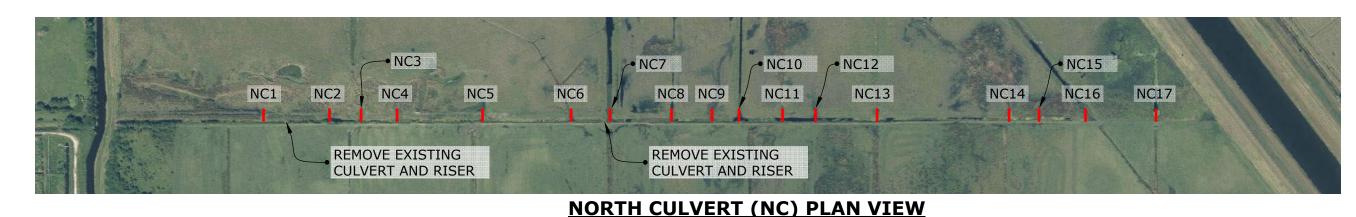


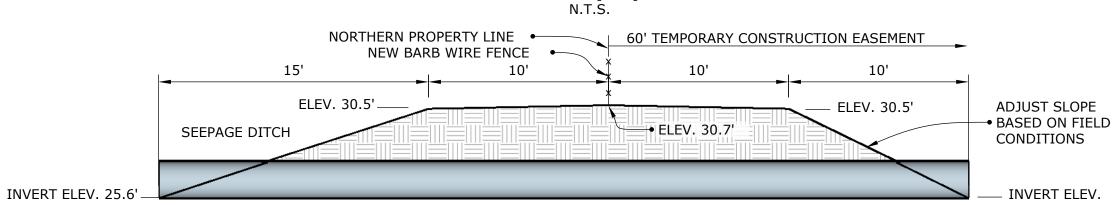
# A1-2 Supplemental Drawings 3/6/2023

# **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**

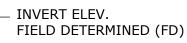
N.T.S.

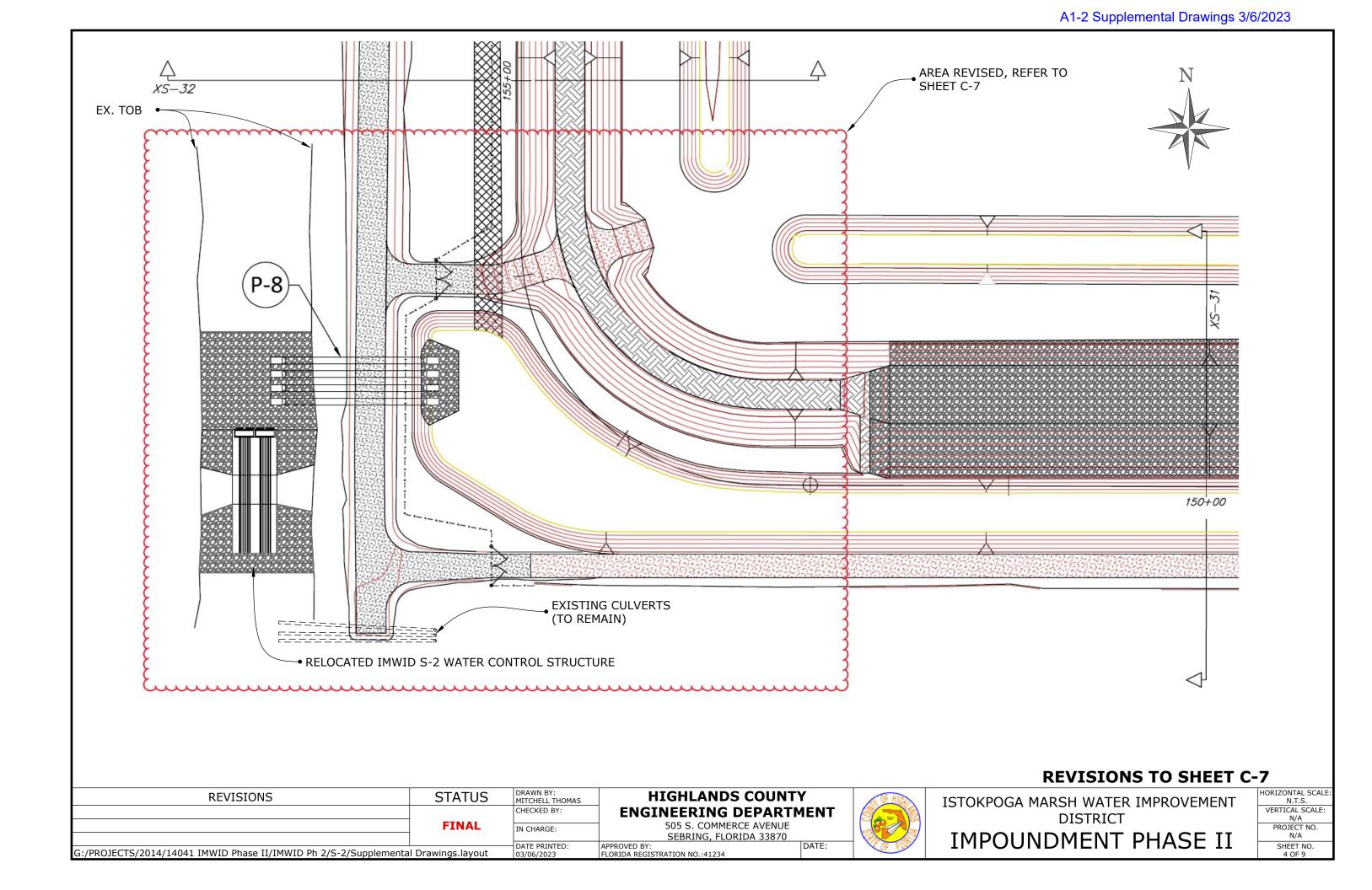
NORTH CULVERT INFORMATION TABLE												
ID	QTY	MATERIAL	GUAGE	CORRUGATION	DIAMETER (in.)	LENGTH (ft.)	U/S INVERT (ft.)	D/S INVERT (ft.)	MIN. COVER (in.)	LAT.	LONG.	
NC1	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.95"N	81°13'54.88"W	
NC2	1	HDPE	NA	NA	18.0	45.0	FD	25.6	18.0	27°17'17.73"N	81°13'51.14"W	
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	

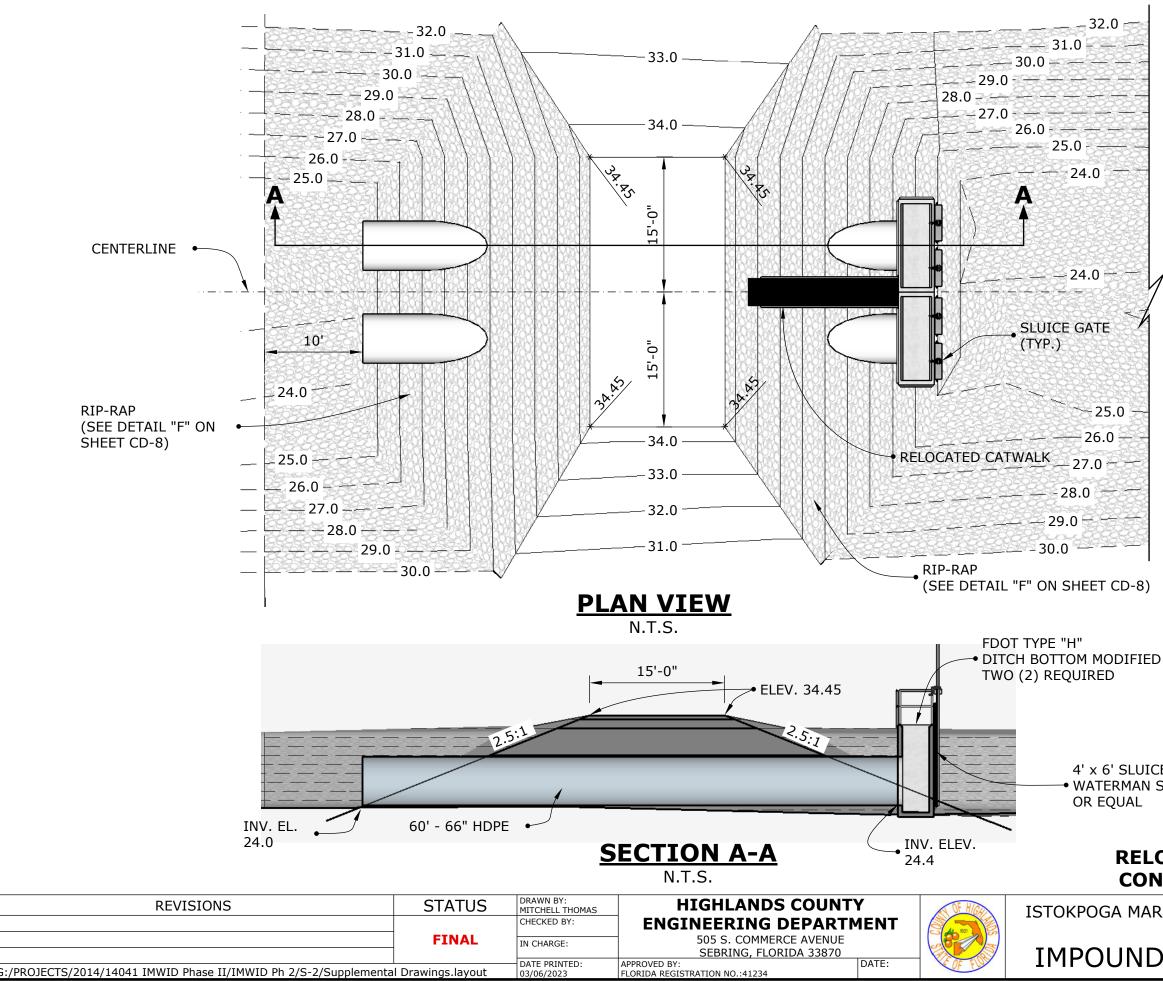
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# OGA MARSH WATER IMPROVEMENT DISTRICT OUNDMENT PHASE II

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

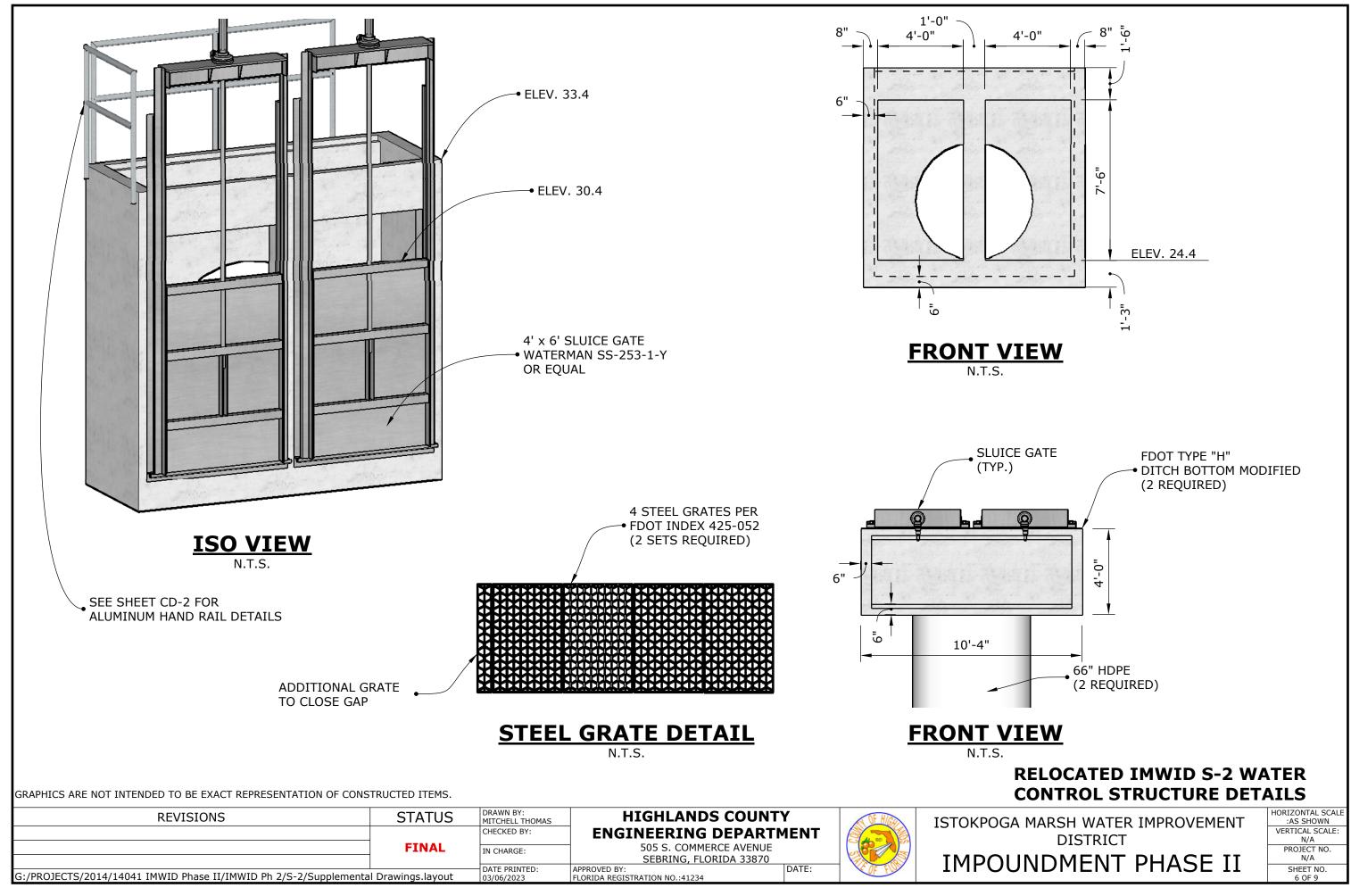
VERTICAL SCALE:

N/A

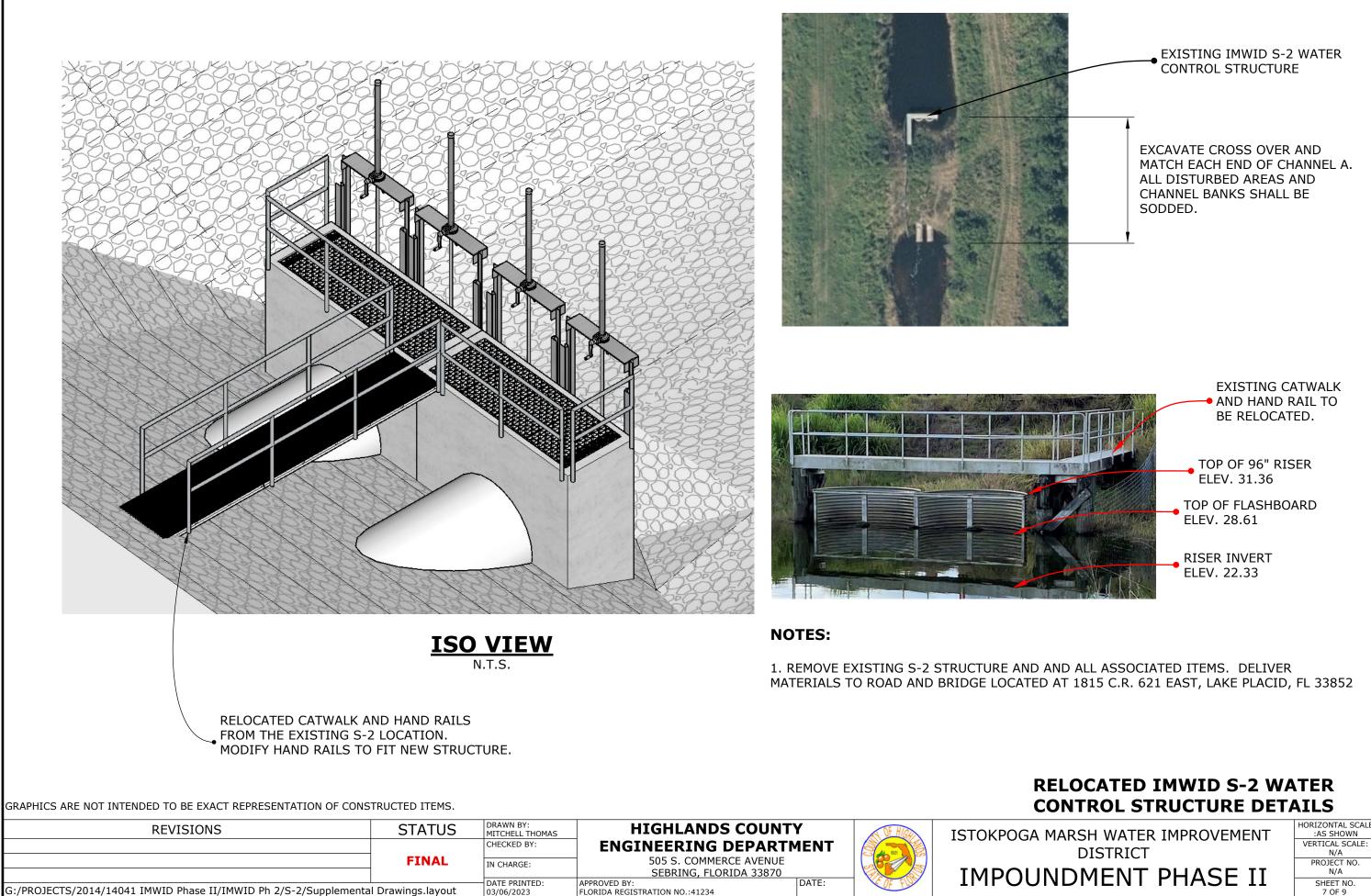
PROJECT NO. N/A

SHEET NO. 5 OF 9

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

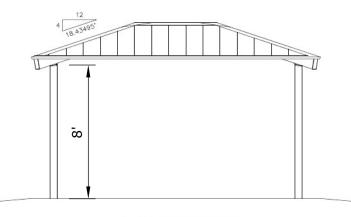


A1-2 Supplemental Drawings 3/6/2023



## A1-2 Supplemental Drawings 3/6/2023

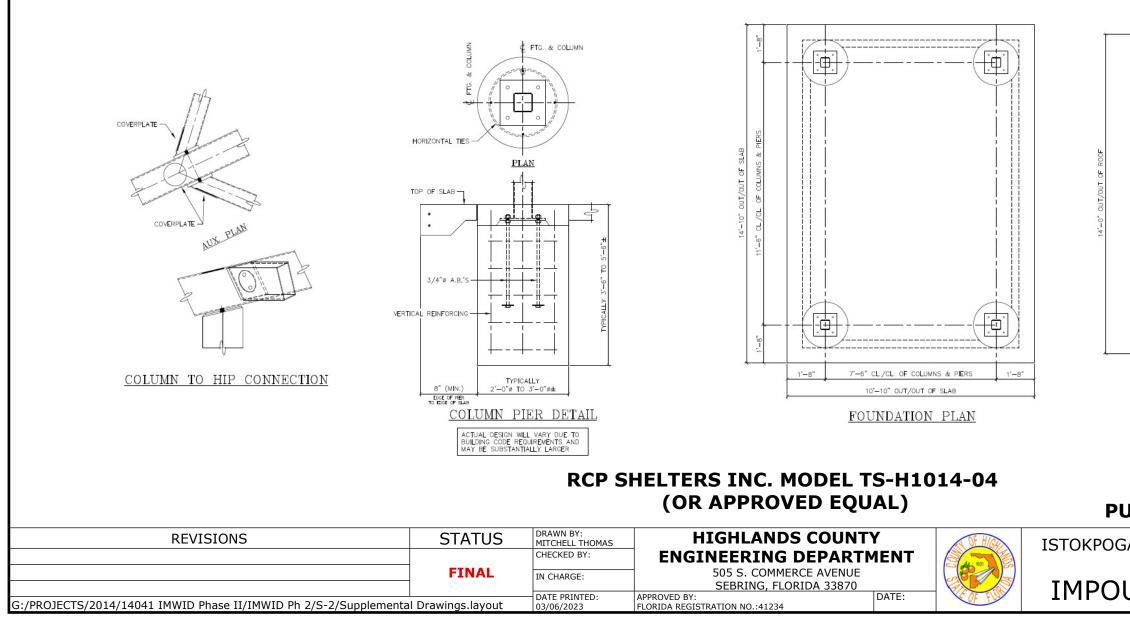
7 OF 9



SIDE ELEVATION



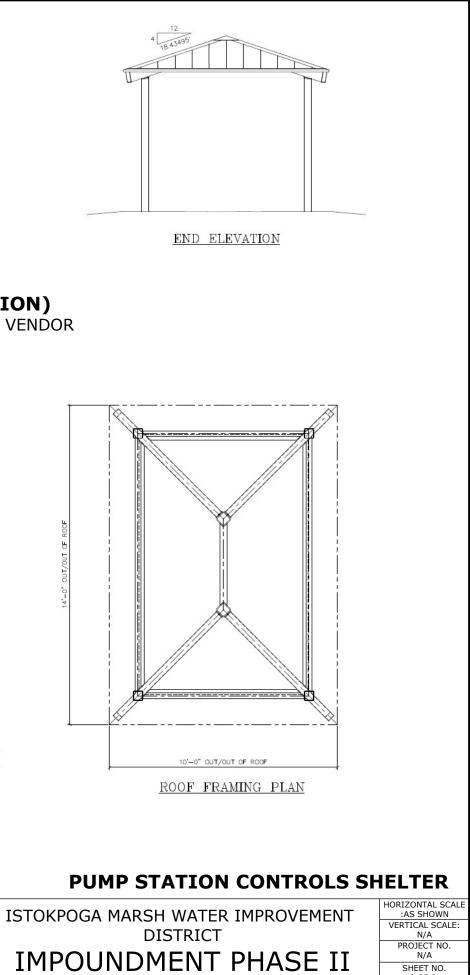
FINAL CONSTRUCTION PLANS TO BE PROVIDED BY THE SHELTER VENDOR



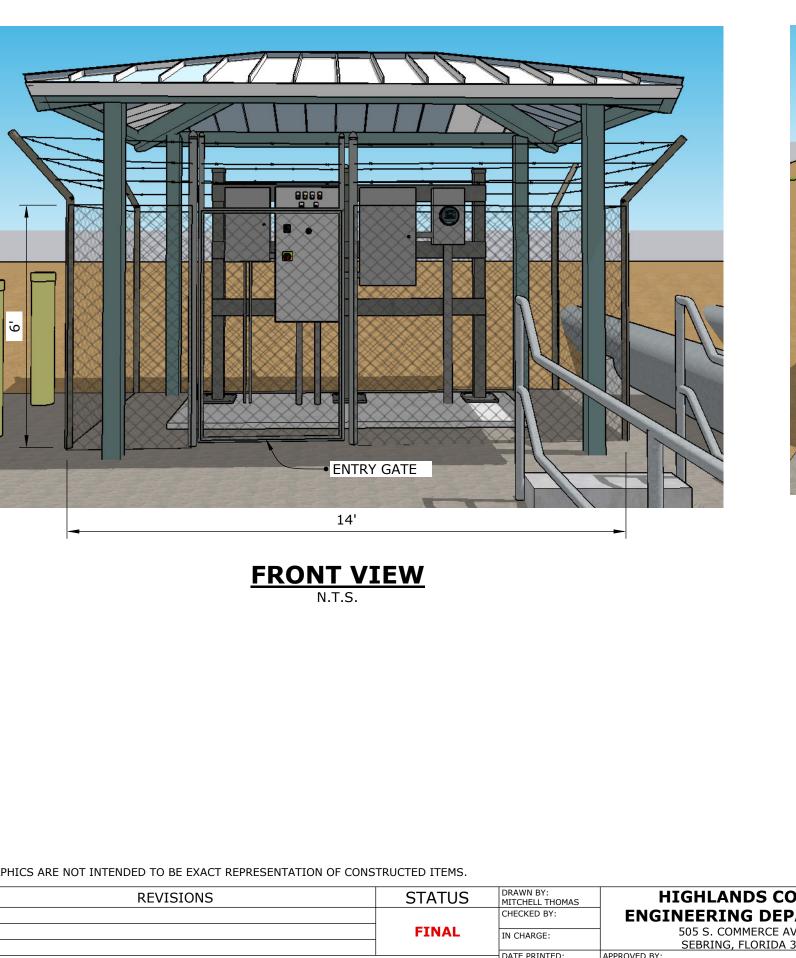
PLAN

HIP TO RIDGE CONNECTION

# A1-2 Supplemental Drawings 3/6/2023



8 OF 9

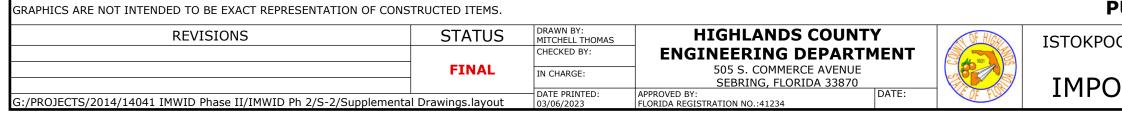






#### **NOTES:**

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