

CONTRACT DOCUMENTS

FOR

**REGIONAL INTEGRATED LOOP SYSTEM
PHASE 3B INTERCONNECT PROJECT**

FOR

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY

ADDENDUM NO. 3

Date Issued: June 7, 2019

Bidders on this project are hereby notified that Addendum No. 3 shall be attached to and made part of the above-named Bid Documents, dated June 2019.

The following items are issued to add to, modify, and clarify the Bid Documents. These items shall have full force and effect as the Bid Documents, and the cost involved shall be included in the various prices bid. Bids, to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

IN THE SPECIFICATIONS

1. **SECTION 00400, BID FORM**

CHANGE the Estimated Quantity for Line 13 Unpaved Road Replacement to 3,200 SY.

2. **SECTION 00500, CONSTRUCTION CONTRACT**

CHANGE paragraph A under Article *4.2 Substantial Completion* on Page 2 of 11 to read: "A. Contractor shall achieve Substantial Completion of the Work within 570 calendar days from the date on which the Owner issues Contractor a Notice to Proceed."

3. **SECTION 00500, CONSTRUCTION CONTRACT**

CHANGE paragraph A under Article *4.3 Final Completion* on Page 2 of 11 to read: "A. Contractor shall achieve Final Completion of the Work within 600 calendar days from the date on which Owner issues Contractor a Notice to Proceed. In the event the Project is not Substantially Complete within 570 calendar days from the Notice to

Proceed date, the allowable period between Substantial Completion (date when reached) and Final Completion is (30) calendar days.”

4. **SECTION 02100, SITE PREPARATION**

Change Line 41 on Page 02100-2 to read as follows: “to this stockpile. The Owner will perform the sieve analysis. The Contractor shall coordinate with the Engineer.”

5. **SECTION 02220, EXCAVATION, BACKFILL, FILL, AND GRADING FOR STRUCTURES**

CHANGE Line 22 on Page 02220-1 to read as follows: “salvaged/transported and stockpiled in Sarasota County’s Stockpile #3 as directed by the Engineer at no additional cost to the Owner.”

6. **SECTION 02220, EXCAVATION, BACKFILL, FILL, AND GRADING FOR STRUCTURES**

CHANGE Lines 32 and 33 on Page 02220-7 to read as follows: “A. Unsuitable excavated materials, including trees, roots, stumps and other organic matter, rock, pavement, trash and debris, and other unsuitable materials as directed by the Engineer, shall be removed and disposed of off-site by the Contractor in accordance with all laws at no additional cost to the Owner.”

7. **SECTION 02220, EXCAVATION, BACKFILL, FILL, AND GRADING FOR STRUCTURES**

CHANGE Line 2 on Page 02220-8 to read as follows: “Engineer. All suitable excavated material shall be placed in the stockpile”

8. **SECTION 02221, EARTH EXCAVATION, BACKFILL, FILL, AND GRADING FOR PIPES**

CHANGE Line 35 on Page 02221-2 to read as follows: “1. Select fill shall be clean, low plasticity material, including A-2-4 soils as defined by AASHTO, free of all”

9. **SECTION 02221, EARTH EXCAVATION, BACKFILL, FILL, AND GRADING FOR PIPES**

CHANGE Lines 7 and 8 on Page 02221-3 to read as follows: “Unsatisfactory or unsuitable excavated materials, including trees, roots, stumps and other organic matter, rock, pavement, trash and debris, and other unsuitable materials as directed by the Engineer, shall be removed and disposed of off-site by the Contractor in accordance with all laws at no additional cost to the Owner. Satisfactory suitable surplus excavated material not required for pipe backfill shall be placed in”

10. **SECTION 02221, EARTH EXCAVATION, BACKFILL, FILL, AND GRADING FOR**

PIPES

CHANGE Lines 43, 44 and 45 on Page 02221-8 to read as follows: “A. Unsatisfactory or unsuitable excavated materials, including trees, roots, stumps and other organic matter, rock, pavement, trash and debris and other unsuitable materials as directed by the Engineer, shall be removed and disposed of off-site by the Contractor in accordance with all laws at no additional cost to the Owner.”

11. **SECTION 02221, EARTH EXCAVATION, BACKFILL, FILL, AND GRADING FOR PIPES**

CHANGE Line 13 on Page 02221-9 to read as follows: “purposes as the Engineer may direct. “Satisfactory suitable surplus excavated material not required for pipe backfill shall be salvaged/transported and stockpiled in Sarasota County’s Stockpile #3 as directed by the Engineer at no additional cost to the Owner. Stockpiled material shall be graded to direct runoff towards existing conveyance systems.”

12. **SECTION 02444, CHAIN LINK FENCING AND GATES**

CHANGE Lines 8 through 17 on Page 02444-2 to read as follows: “A. Pipe Framework: Line, corner, end and pull posts and rails shall be constructed of galvanized steel pipe and conform to FDOT Standard Index 802, Fence Type B. Fence shall be installed with barbed wire attachment.”

13. **SECTION 02444, CHAIN LINK FENCING AND GATES**

CHANGE Line 20 through 21 on Page 02444-4 to read as follows: “1. Design, furnish and install a 10-foot wide swing gate, gate support posts, gate latch post, integrated solar power package,”

14. **SECTION 02444, CHAIN LINK FENCING AND GATES**

CHANGE Line 24 through 26 on Page 02444-4 to read as follows: “Drawings. The Contractor is responsible for ensuring the gate and solar power package complement each other and work as a cohesive system.”

15. **SECTION 02444, CHAIN LINK FENCING AND GATES**

CHANGE Lines 28, 29 and 30 on Page 02444-4 to read as follows: “2. The swing gate shall be constructed of all galvanized components, be UL Standard 325 certified for Class 1 service, and meet”

IN THE DRAWINGS

16. **CHANGE** the note on Sheet No. C1.23 at Sta. 921+50 to read as follows: “PROP.

- 12'-0" +/- GRAVEL ACCESS ROAD RELOCATION TYP. SEE DETAILS SHT. D1.03 AND D1.05"
17. **CHANGE** the note on Sheet No. C1.24 at Sta. 929+75 to read as follows: "PROP. 12'-0" +/- GRAVEL ACCESS ROAD RELOCATION TYP. SEE DETAILS SHT. D1.03 AND D1.05"
 18. **CHANGE** the note on Sheet C2.02 that reads "FENCE 12' GATE" to read as follows: "FDOT TYPE A FENCE WITH 10' SOLAR POWERED SWING GATE. SEE DETAIL SHEET D1.08. SEE SPECIFICATION SECTION 02444 FOR ROADWAY ACCESS GATE AND OPERATOR."
 19. **ADD** the following note to Sheet C2.02: GUARDRAIL SHALL MEET THE REQUIREMENTS OF FDOT INDEX 400 FOR LOW SPEED W-BEAM PANEL WITH TIMBER OR STEEL POSTS, FOR SLOPE BREAK CONDITIONS WITH 2-FEET OF MISC. ASPHALT AND FLARED ENDS.
 20. **CHANGE** the note on Sheet C2.03 that reads "EX BARBED WIRE FENCE TO BE RELOCATED TO PL" to read as follows: "EX BARBED WIRE FENCE TO BE REMOVED".
 21. **CHANGE** the notes on Sheet C2.03 that read "RELOCATED BARBED WIRE FENCE" on both the plan and the section views to read as follows: "NEW 6-FOOT FDOT INDEX 802 TYPE B CHAIN LINK FENCE WITH BARBED WIRE.
 22. **DELETE** the Below Grade Concrete Support Detail on Sheet D1.03 and **REPLACE** with the attached Drawing S1.00 PIPE SUPPORT FOUNDATION PLAN AND SECTIONS.
 23. **CHANGE** the note in the Unpaved Road Replacement Detail on Sheet D1.03 that reads "2" #57 STONE SURFACE" to read "3-INCH #57 STONE SURFACE".
 24. **CHANGE** the note in the Unpaved Road Replacement Detail on Sheet D1.03 that reads "15'-0" REPLACEMENT WIDTH" to read "WIDTH AS SHOWN ON PLANS".
 25. **CHANGE** the dimensions in the Unpaved Road Replacement Detail on Sheet D1.03 that reads "15'-0" REPLACEMENT WIDTH" to read "WIDTH AS SHOWN ON PLANS".
 26. **CHANGE** the dimensions in the pipe openings shown on Sheet D1.04 from 24-inch to 30-inch.
 27. **CHANGE** Note No. 5 on the Locate Wire Detail on Sheet D1.05 to read as follows: "5. WIRE LOCATE STATIONS SHALL BE LOCATED SUCH THAT THE MAXIMUM DISTANCE BETWEEN TEST STATIONS DOES NOT EXCEED 2000 FEET."
 28. **CHANGE** the note in the Locator Wire Detail Side View that reads "LOCATE

STATION BOX TO BE 500 FEET APART OR MID-POINT IN BLOCK” to read “SEE NOTE 5”

29. **CHANGE** the note in the Typical Access Road Section detail on Sheet D1.05 that reads “9” COMPACTED AGGREGATE WHICH EVER IS GREATER 98% MAX. DENSITY” to read: “SEE UNPAVED ROAD REPLACEMENT DETAIL SHEET D1.03”.
30. **CHANGE** the note in the Solar Gate Diagram on Sheet D1.08 that reads “CANTILEVERED STYLE GATE SEE FDOT DETAIL INDEX NO. 801” to read: “10-FOOT SOLAR POWERED SWING GATE. SEE SPECIFICATIONS”.
31. **CHANGE** the note in the Solar Gate Diagram on Sheet D1.08 that reads “MOUNT ACCESS CONTROL DEVICE LOCATION PER MANUFACTURER” to read “MOUNT ACCESS CONTROL DEVICE LOCATION PER MANUFACTURER. TYPICAL OF 2, ONE EACH SIDE OF GATE. SEE SPECIFICATIONS”.

QUESTIONS RECEIVED FROM BIDDERS

32. Referencing section 00400, Bid Form, Article 6 – Time of Completion, section 6.1 states that the time to achieve Substantial Completion is 425 calendar days, section 6.2 states that the time to achieve Final Completion is 455 calendar days. At the pre-bid meeting it was mentioned that the time to Substantial Completion was 570 calendar days and the time to Final Completion was 600 calendar days. Please clarify what the time frames are for both substantial and final completion.

The correct Contract Times were as stated in the pre-bid meeting. Please see Items 2 and 3 above.

33. Referencing Technical Specifications, section 02100, Site Preparation, Part 3, Execution, section 3.03, Stripping and Stockpiling, paragraph “A”, third sentence states “Removal of pond or wetland muck should be expected in some locations as shown in the geotechnical report.” Is there a geotechnical report and if so can it be provided? Please clarify.

The Geotechnical Report has been posted on the Authority’s website located at www.regionalwater.org [click on Procurement > Bids and Requests] to view the posted Geotechnical Report for the ‘Phase 3B Interconnect Project’.

34. Referencing Technical Specifications, section 02100, Site Preparation, Part 3, Execution, section 3.04, Stockpiling, paragraph “A”, third sentence states, “After all work is in place any of these materials remaining shall be disposed of on-site in Sarasota County’s designated stockpile location, “Stockpile #3.” Where is Stockpile #3 located in regards to the proposed pipeline work? Please clarify. Paragraph “C” in this section mentions that a pre and post survey of Stockpile #3 will be performed along with a sieve analysis of soil to be added to the stockpile. Can the area of the

existing stockpile be provided for quoting purposes? Please clarify. Since the OWNER is providing geotechnical services, will they perform the sieve analysis of the material that is to be added to Stockpile #3? Please clarify.

The stockpile site is generally located about 300 feet north of pipeline Sta. 747+00 and is approximately 7 acres in size. See Item 4 above regarding the sieve analysis, which will be performed by the Owner.

35. Referencing Section 02140 Temporary Dewatering, Part 1 – General, section 1.01, paragraph “B” states, “The specific direction of the Contractor is directed to the Geotechnical 14 Report attached to these specifications.” There is no Geotechnical Report provided. Will the Geotechnical report for this project be provided, as there are numerous times that the specifications refer to it? Please clarify.

Please see Item 33 above.

36. Referencing section 02220, Excavation, Backfill, Fill and Grading for Structures, Part 1 – General, section 1.01 – Scope of Work, paragraph “C”, last sentence states “All unused excess fill shall be salvaged/disposed of by the Contractor at no expense to the Owner.” This statement contradicts section 02100, Site Preparation, section 3.04, where it mentions that any unused material will go to the County’s Stockpile #3. Please clarify.

It is intended that materials that are unsuitable for backfill (not meeting the requirements for structural, common or special fill) be disposed of off-site by the Contractor. Also, it is intended that materials suitable for use as fill, but not needed for fill (excess soil materials), be transported to and stored at the County’s Stockpile #3. Please see Items 5 through 11 above.

37. Section 3.04, Disposal of Unsuitable and Surplus Material of section 02220, again calls out for excess material to be delivered to “Stockpile #3. Please clarify the disposition of surplus material.

See Item 36 above.

38. When surplus material is delivered to the “Stockpile #3” location will the Contractor be required to provide additional grading of the delivered material at this location? Please clarify.

Stockpiled material shall be arranged such that runoff is directed to drain away from the stockpile. Please see Item 11 above.

39. At the pre-bid meeting the question was asked if material that was classified as unsuitable would it be allowed to be hauled to the “Stockpile #3” location. The answer was “yes” it would. Please confirm that this is correct.

It is intended that materials unsuitable for use as fill be disposed of off-site by

the Contractor in accordance with all Laws. Please see Item 36 above.

40. Referencing plan sheet C2.03, S.R.72 Control Valve Assembly. This plan sheet calls out for chain link fence to be installed around the valve assembly pad. There is no detail provided for this application, what is the height of the chain link fence that is to be installed and will it require barbed wire? Please clarify.

It is intended that a new 6-foot chain link fence with barbed wire be installed. Please see Item 21 above.

41. At this same location the plans call out to relocate the barbed wire fence that is located on the east side of the enclosure. It would seem if this is to be a secured enclosure with chain link on 3 sides the fourth side would also be chain link. Should we figure barbed wire or chain link fencing on the east side of the enclosure? Please clarify.

It is intended that a new chain link fence be installed around the entire perimeter of the Control Valve Assembly. See Items 20 and 21 above.

42. Referencing section 02444, Chain Link Fencing and Gates, section 2.03 –Fence Posts and Rails. The line and terminal post sizes are listed as 2.5" NPS...or a 2.875" actual sizing.....which is greater than the FDOT specs....and typically Terminal posts are a larger diameter than the lone posts. What are the line and terminal posts diameter to be? Please clarify.

The intent is to install a chain link fence meeting FDOT Standard Index 802. See Item 12 above.

43. Referencing plan sheet C2.02, the fence gate at sta. 851+58 is shown as a 12' gate with double openings. Is this not to be a single cantilever style gate as shown on plan sheet D1.08? If the gate is to be of the cantilever style, what is the total gate length to be? Please clarify.

It is intended that a 10-foot wide solar powered swing gate be installed at Sta. 851+58. See Items 13, 14, 15, 18, 30 and 31 above.

44. Referencing plan sheet C2.02, there are call outs for guardrail to be installed on both sides of the proposed ditch crossing. What type of end treatments are to be installed at the four ends of the guardrail? Will miscellaneous asphalt be required to be installed with the guardrail? Please clarify.

It is intended that the three guardrails be furnished with flared ends (6 ends) and that miscellaneous asphalt be installed in accordance with FDOT Standards. Please see Item 19 above.

45. Referencing plan sheet D1.04, Valve Assembly Slab detail. This detail shows openings for 24" water main. As per addendum 1, shouldn't these openings be large

enough to accommodate 30" water main? Please clarify.

It is intended that 30-inch water main be installed, requiring 30-inch openings in the Control Valve Assembly slab. Please see Item 26 above.

46. Referencing plan sheet D1.05, Locator Wire Detail. This detail calls out for Locate Station Boxes to be installed every 500 feet or at the mid-point of the block. Are Locate Station Boxes to be installed every 500 feet as per the detail? This seems to be an excessive requirement considering the application. Please clarify on the distance between Locate Station Boxes.

It is intended that the locate wire be accessible at either valves or at station boxes, and that these access points be not less than 2000-feet apart. Please see Items 27 and 28 above.

47. Referencing bid item No.13, Unpaved Road Replacement - 9,550 SY. Can stations be provided showing starting and ending points on where this bid item actually comes into play, the plans are vague on where this work is to be completed? In section 01150, Measurement and Payment for this bid item, in the payment section, lines 23 and 24 call for, stabilized sub-grade, perforated geoweb, and geotextile fabric, number 57 stone. The only locations found on the plans where the detail as shown on plan sheet D1.03, "Unpaved Road Replacement Detail" is called out specifically, that includes the above is at the entrance to the Control Valve Assembly and at the Albritton Ditch Crossing which does not account for 9,550 SY. Where is the remainder of this bid item that is to be installed located at? Please clarify.

It is intended that the Unpaved Road Replacement detail on D1.03 be used at the Control Valve Assembly, at the Albritton Ditch Crossing and where the existing roadway is to be relocated between Sta. 913+17 and 933+97 as shown on Sheets C1.23, C1.24 and D1.05. Please see Items 23, 24 and 29 above.

48. What is the cost of the Sarasota County Building Permit? Is it based on a percentage of the total? Will the Sarasota County Utility Permit fee also apply?

Please see Section 01150 3.01 Q. An allowance is provided in the Bid Form for payment of actual permit fees paid to other agencies by the Contractor.

END OF ADDENDUM NO. 3

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GENERAL STRUCTURAL NOTES

GENERAL CONDITIONS

- ALL STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE MECHANICAL, CIVIL, ARCHITECTURAL, ELECTRICAL, HVAC, PLUMBING AND SHOP DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL REVIEW AND VERIFY DIMENSIONS SHOWN IN ALL PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT THE WORK DEPICTED ON THE DRAWINGS. SHOULD DISCREPANCIES APPEAR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING TO OBTAIN ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH THE WORK.
- FOR ALL ITEMS EMBEDDED IN OR PASSING THROUGH CONCRETE, THE CONTRACTOR SHALL INITIALLY REFER TO MECHANICAL DRAWINGS FOR TYPE, SIZE, LOCATION, AND SPECIAL INSTALLATION REQUIREMENTS FOR THESE ITEMS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT EXISTING STRUCTURES FROM DAMAGE WHEN WORKING IN AND AROUND EXISTING STRUCTURES PERFORMING WORK SUCH AS DEMOLITION, FOUNDATION EXCAVATIONS, AND OTHERS.
- SIZE AND LOCATION OF EQUIPMENT PADS AND ANCHOR BOLTS SHALL BE PER EQUIPMENT MANUFACTURER'S REQUIREMENTS.
- ANY CONSTRUCTION EQUIPMENT THAT MAY INDUCE VIBRATION TO THE STRUCTURE SHALL BE ADEQUATELY ISOLATED FROM THE STRUCTURE.
- ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

DESIGN CRITERIA

BUILDING CODES AND REFERENCES:

- FLORIDA BUILDING CODE 5TH EDITION (2014)
- REINFORCED CONCRETE: ACI 318-11 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
- LIVE LOADS:
 - SURCHARGE: 250 PSF

FOUNDATIONS

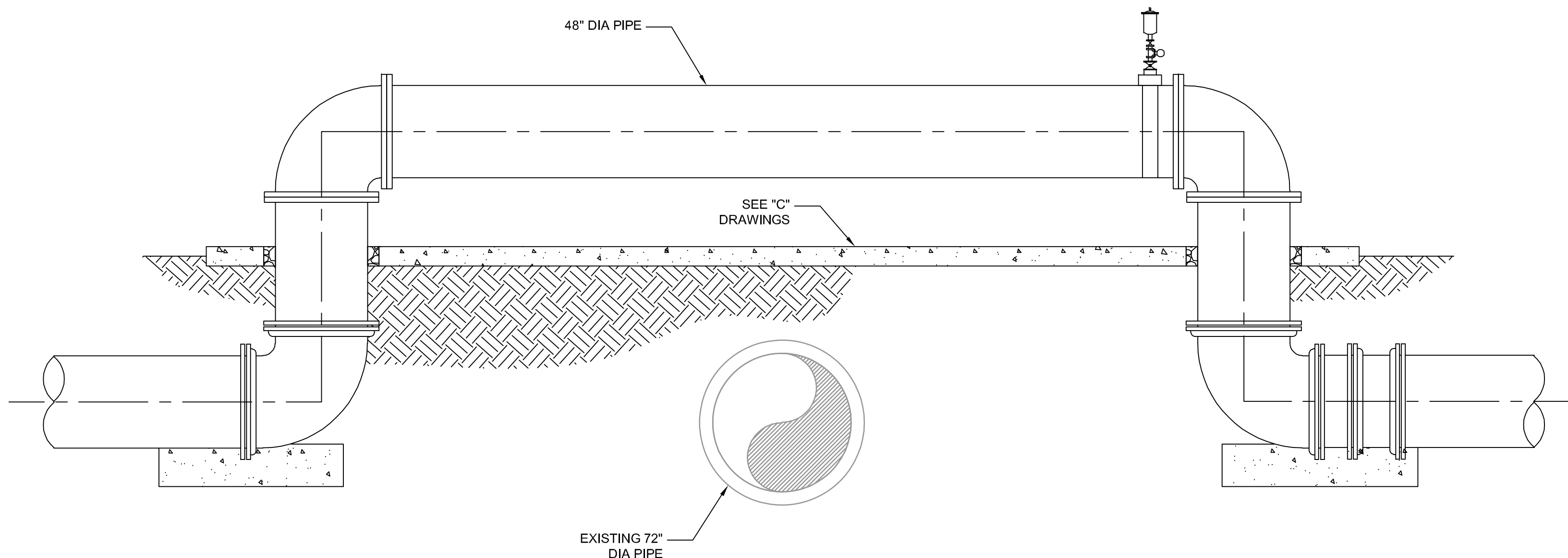
- ALLOWABLE SOIL BEARING PRESSURE USE FOR DESIGN IS 2,500 PSF ASSUMING CLASS 4 FOUNDATION MATERIAL PER TABLE 1806.0 OF THE FLORIDA BUILDING CODE.

CONCRETE (CAST-IN-PLACE)

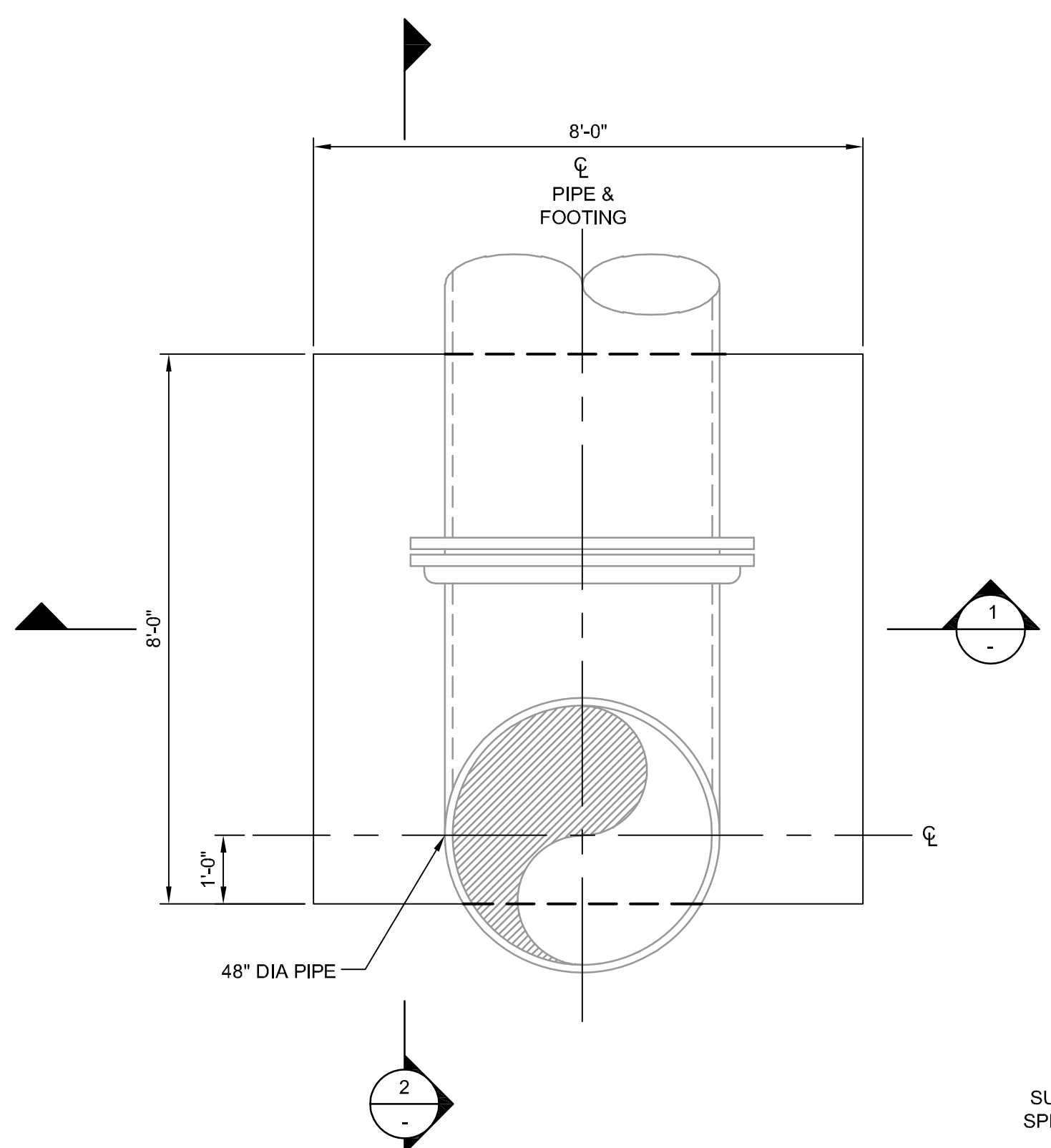
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318 REQUIREMENTS.
- ALL CONCRETE SHALL BE AIR-ENTRAINED WITH A MINIMUM OF 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS UNLESS OTHERWISE NOTED.
- WATER REDUCING AGENT SHALL BE IN ACCORDANCE WITH ASTM C494.
- ALL CONCRETE SURFACES EXPOSED TO AIR, UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS, SHALL BE TREATED WITH AN APPROPRIATE CURING COMPOUND AS SOON AS FINISHING IS COMPLETED OR FORMS ARE REMOVED.
- ALL EXPOSED CORNERS SHALL HAVE A MINIMUM CHAMFER OF 3/4" UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL OBTAIN ENGINEER'S APPROVAL FOR THE LOCATIONS OF CONSTRUCTION JOINTS THAT ARE NOT SHOWN ON THE DRAWINGS.

REINFORCING STEEL

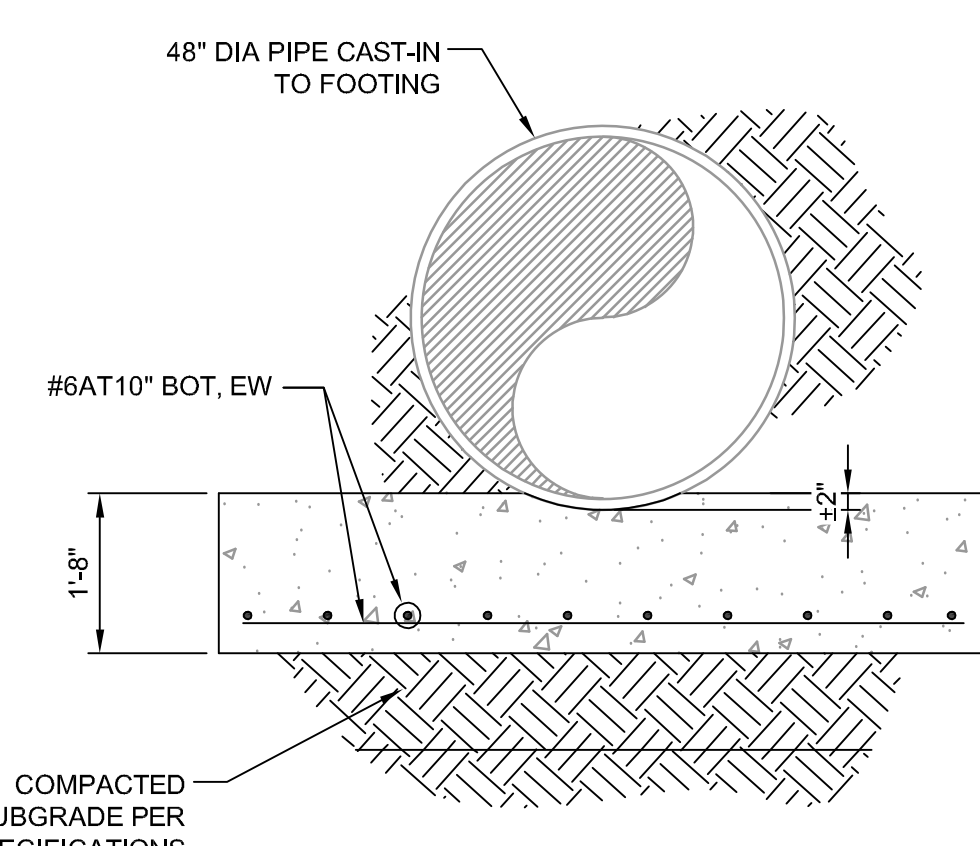
- REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60 REQUIREMENTS. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A315 REQUIREMENTS. ALL ACCESSORIES SHALL BE IN CONFORMANCE WITH ACI 315 REQUIREMENTS.
- REINFORCING STEEL SHALL HAVE THE FOLLOWING CLEAR COVER UNLESS OTHERWISE NOTED:
 - CONCRETE CAST AGAINST EARTH 3"
 - FORMED SURFACE IN CONTACT WITH SOIL, SEWAGE, WATER OR EXPOSED TO WEATHER 2"
- LAP SPLICES SHALL BE AS SHOWN ON THE DRAWINGS. FOR LAP SPLICES NOT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL OBTAIN ENGINEER'S APPROVAL.
- THE CONTRACTOR SHALL PREPARE PLACING DRAWINGS AND SCHEDULES IN CONFORMANCE WITH ACI 315 REQUIREMENTS.



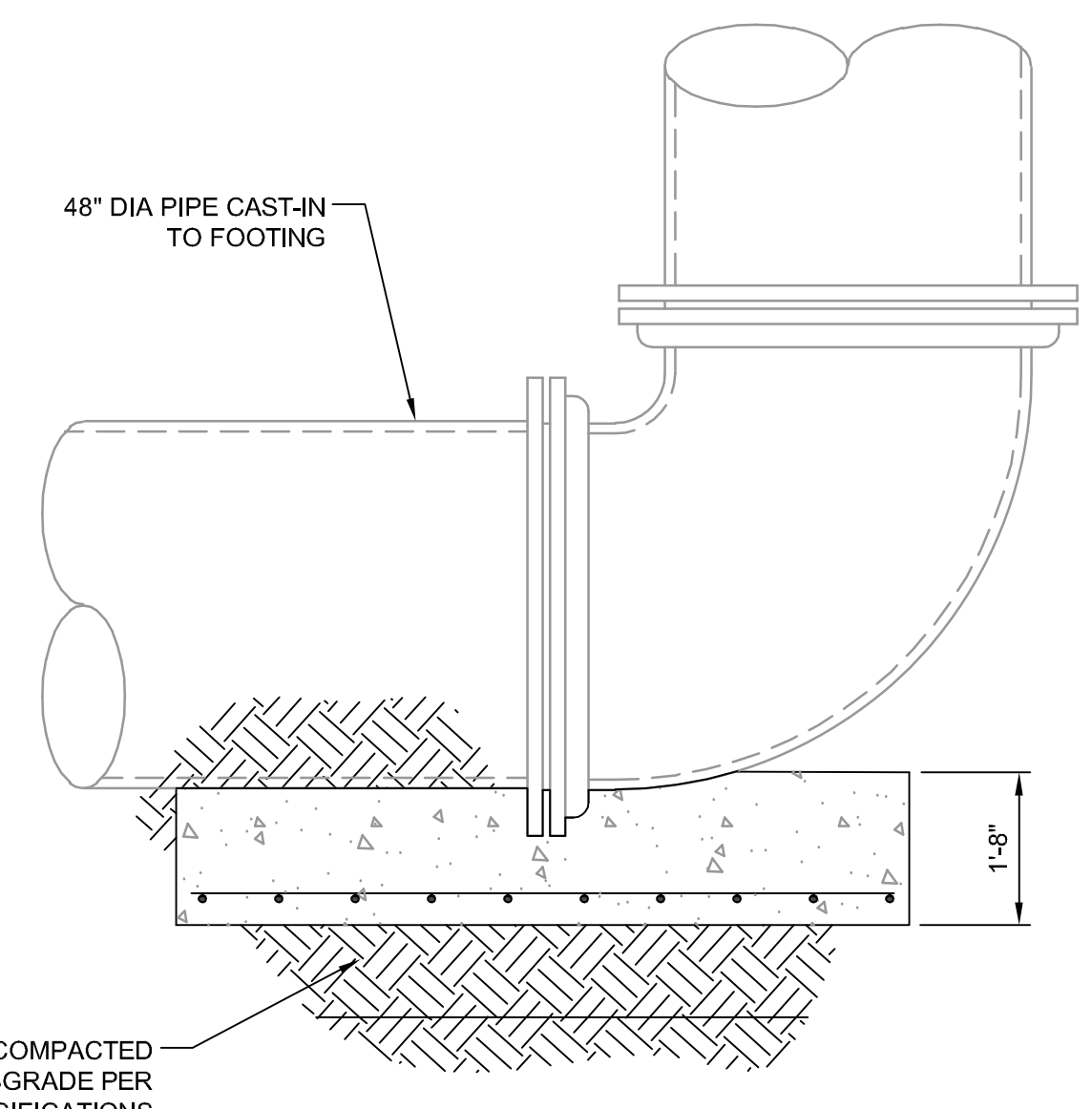
PIPE CROSSING AT EXISTING 72" DIA PIPE
ELEVATION
1/4"=1'-0"



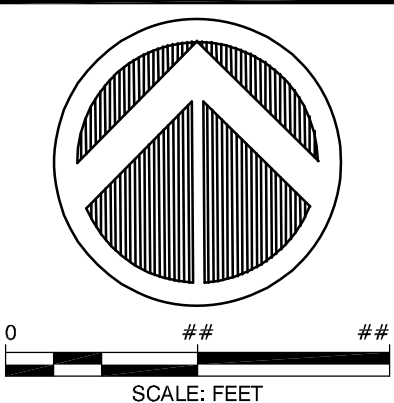
FOUNDATION PLAN
1/2"=1'-0"



SECTION 1
1/2"=1'-0"



SECTION 2
1/2"=1'-0"



Peace River Manasota
Regional Water Supply Authority
PEACE RIVER/MANASOTA REGIONAL WATER SUPPLY AUTHORITY
9115 TOWN CENTER PARKWAY
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Engineering License #2610

NO.	DATE	REVISION	BY

REGIONAL INTEGRATED LOOP SYSTEM
PHASE 3B REGIONAL INTERCONNECT PROJECT
PEACE RIVER / MANASOTA REGIONAL WATER SUPPLY AUTHORITY
PIPE SUPPORT FOUNDATION PLAN AND SECTIONS

JOHN SOBCZAK
08/17/17
FL P.E. No. 71407

JOB NO: 8961-004-001
DATE: AUGUST 2017
SCALE: AS SHOWN

\$1.00

PERMIT SUBMITTAL
06/30/17