



An Equal Opportunity Employer

# Southwest Florida Water Management District

2379 Broad Street, Brooksville, Florida 34604-6899

(352) 796-7211 or 1-800-423-1476 (FL only)

WaterMatters.org

### Bartow Office

170 Century Boulevard  
Bartow, Florida 33830-7700  
(863) 534-1448 or  
1-800-492-7862 (FL only)

### Sarasota Office

78 Sarasota Center Boulevard  
Sarasota, Florida 34240-9770  
(941) 377-3722 or  
1-800-320-3503 (FL only)

### Tampa Office

7601 U.S. 301 North (Fort King Highway)  
Tampa, Florida 33637-6759  
(813) 985-7481 or  
1-800-836-0797 (FL only)

### Mark Taylor

Chair, Hernando, Marion

### Michelle Williamson

Vice Chair, Hillsborough

### Joel Schleicher

Secretary, Charlotte, Sarasota

### Kelly S. Rice

Treasurer, Citrus, Lake, Levy, Sumter

### Jack Bispham

Manatee

### Roger Germann

Hillsborough

### James G. Murphy

Polk

### Rebecca Smith

Hillsborough, Pinellas

### Seth Weightman

Pasco

### Brian J. Armstrong, P.G.

Executive Director

August 20, 2020

Set 1

**TO:** All Potential Respondents  
RFB 2013 Palm River Restoration Phase II East McKay Bay

**FROM:** Rachelle Jones, Senior Procurement Specialist

**SUBJECT:** Response to Questions

**QUESTION:** Is there an engineer's estimate, or budget, for this project?

**ANSWER:** The Engineer's Estimate of Probable Construction Cost for the Palm River Restoration – Phase II East McKay Bay is \$1,662,000.

**QUESTION:** Could you please provide the relationship between the terms and conditions outlined in the solicitation and the terms and conditions found in Attachment 1 – RETSORE Act terms and conditions?

**ANSWER:** All terms and conditions included in the solicitation are the responsibility of the contractors. These terms and conditions are also referenced in Attachment 1, which is accompanied by additional information with regard to the RESTORE act.

**QUESTION:** Is this a certified payroll project due to it being a Davis Bacon Wage Rate.

**ANSWER:** Yes. This project is subject to the Davis-Bacon labor standards provisions, which includes the requirement to submit weekly certified payrolls.

**QUESTION:** Please provide the Structural Plans for Weir Structure S200 as referenced on plan sheet 33.

**ANSWER:** Please see the attached Structural Plans (2 pages).

**SHEET PILE INSTALLATION NOTES**

SHEET PILING SUPPLIED FOR THE PROJECT SHALL MEET OR EXCEED ALL REQUIRED PHYSICAL CHARACTERISTICS AS DEFINED BELOW:

- 1.1.2.1 SHEET PILE MATERIAL  
 ALL SHEET PILING SHALL BE MANUFACTURED ENTIRELY FROM A RIGID, HIGH IMPACT, UV-INHIBITED, WEATHERABLE VINYL COMPOUND. ALL EXPOSED SURFACES OF THE SHEET PILING SHALL BE UV RESISTANT, AND COMPRISED OF VIRGIN MATERIAL WITH A MINIMUM ASTM D4216 CELL CLASSIFICATION OF 1-42443-33 TO ENSURE RELIABLE PERFORMANCE AND COLOR CONSISTENCY. IF MONO-EXTRUSION TECHNOLOGY IS USED, THE ENTIRE SHEET PILE MUST BE COMPRISED OF VIRGIN MATERIAL WITH A MINIMUM ASTM D4216 CELL CLASSIFICATION OF 1-42443-33.
- 1.1.2.2 SECTION MODULUS  
 THE SECTION MODULUS OF THE SHEET PILING SHALL BE NO LESS THAN 19.5 IN<sup>3</sup> PER LINEAR FOOT OF WALL.
- 1.1.2.3 MOMENT OF INERTIA  
 THE MOMENT OF INERTIA OF THE SHEET PILING SHALL BE NO LESS THAN 78 IN<sup>4</sup> PER LINEAR FOOT OF WALL.
- 1.1.2.4 THICKNESS  
 THE SHEET PILING MUST HAVE A MINIMUM THICKNESS OF 0.370 INCHES.
- 1.1.2.5 DEPTH  
 THE SHEET PILING MUST HAVE A MAXIMUM SECTION DEPTH OF 8 INCHES TO PREVENT WEB BUCKLING.
- 1.1.2.6 COVERAGE & INTERLOCKS  
 THE SHEET PILING MUST HAVE A MINIMUM WIDTH OF 12 INCHES PER SHEET.
- 1.1.2.7 LOCKING SYSTEM  
 ALL MALE INTERLOCKS MUST INCORPORATE I-BEAM LOCK REINFORCEMENT TO RESIST LOCK SEPARATION AND DECREASE SEEPAGE.
- 1.1.2.8 SURFACE FINISH/APPEARANCE  
 THE SHEET PILING MUST BE GRAY IN COLOR. COLOR SAMPLES TO BE APPROVED BY THE OWNER.
- 1.2.1.1 INSTALLATION  
 ALL SHEET PILING SHALL BE INSTALLED WITH A MINIMUM OF 8' EMBEDMENT. THE MAXIMUM AMOUNT OF DIVERGENCE BOTH HORIZONTALLY AND VERTICALLY SHALL BE (±)0.2FT FROM A STRING LINE HELD AT EACH END OF THE WALL AND PULLED TAUT.

**CAST-IN-PLACE CONCRETE**

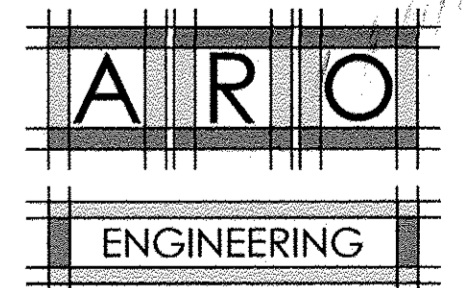
1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI 318 (CURRENT)
2. DESIGN COMPRESSIVE STRENGTH OF CONCRETE SHALL BE A MINIMUM OF 4,000 PSI AT 28 DAYS AS MEASURED BY TESTING CYLINDER SPECIMENS PER ASTM C-39 (U.O.N.). CONTRACTOR SHALL SUBMIT CYLINDER TESTS TO ENGINEER OF RECORD FOR REVIEW. A MINIMUM OF (4) TESTS SHALL BE PROVIDED BY A LICENSED TESTING LABORATORY.
3. REINFORCING BARS: ASTM A 615 GRADE 60 DEFORMED NEW BILLET STEEL OF DOMESTIC MANUFACTURE, FABRICATED IN ACCORDANCE WITH THE C.R.S.I. MANUAL OF STANDARD PRACTICE.
4. PROVIDE PLASTIC TIPPED BAR SUPPORTS OF ADEQUATE STRENGTH AND SPACING TO SUPPORT THE WEIGHT OF REINFORCING BARS AND THE WEIGHT OF WORKERS. PLACE FIRST SUPPORT NO FARTHER THAN 12" FROM THE ENDS OF REINFORCING BARS.
5. FOLLOW ACI 318 (CURRENT) AND ACI 315 (CURRENT) FOR DETAILS OF AND SUPPORTS FOR REINFORCEMENT.
6. REINFORCING BARS ARE CONTINUOUS (U.O.N.). WHERE NECESSARY, TOP BARS SHALL BE SPLICED 40 BAR DIAMETERS AT CENTER OF SPAN. BOTTOM BARS SHALL BE SPLICED 12" OVER CENTERLINE OF SUPPORT. LAP ALL DOWELS IN VERTICAL REINFORCEMENT, 48 BAR DIAMETERS. SPLICES AND LAPS OTHER THAN THOSE INDICATED WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
7. SPLICE REINFORCING ONLY WHERE SHOWN ON THE DRAWINGS. WHERE CONTINUOUS REINFORCING IS SPECIFIED, SUCH REINFORCING MAY BE SPLICED IN ACCORDANCE WITH CRSI PROVISIONS.
8. CORNER BARS IN WALLS, BEAMS AND TIE BEAMS ARE THE SAME SIZE AND SPACING AS THE HORIZONTAL REINFORCING STEEL.
9. ALL HOOKS ON VERTICAL STIRRUP LEGS MUST BE PLACED AROUND AT LEAST ONE LONGITUDINAL REINFORCING BAR.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONCRETE FORMWORK, BRACING, AND SHORING.
11. THE SLUMP JUST PRIOR TO PLACING SHALL BE 5" (±) 1" FOR ALL CONCRETE.

**GENERAL CONSTRUCTION NOTES:**

1. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF THE QUANTITIES OF WORK REQUIRED TO COMPLETE THE CONSTRUCTION SHOWN ON THE PLANS. THE CONTRACTOR SHALL ALSO MAKE THEIR OWN ASSESSMENT OF THE SITE AND THE WORK REQUIRED PRIOR TO BIDDING AND ANY DISCREPANCIES, ERRORS OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER REPRESENTATIVE BEFORE THE BID DUE DATE.
2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES OR OTHER OBJECTS PRIOR TO COMMENCING WORK AT THE SITE. ANY UTILITIES OR OTHER ITEMS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT NO COST TO THE OWNER.
3. ALL AREAS OR ITEMS OUTSIDE THE LIMITS OF CONSTRUCTION THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL OR BETTER CONDITION AT NO COST TO THE OWNER.
4. THE CONTRACTOR SHALL CHECK PLANS FOR CONFLICTS AND DISCREPANCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY CONFLICT BEFORE PERFORMING ANY WORK IN THE AFFECTED AREA.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY INSTRUCTION.
6. ALL SPECIFICATIONS AND DOCUMENTS REFERRED TO SHALL BE OF LATEST REVISIONS AND/OR LATEST EDITION UNLESS OTHERWISE NOTED.
7. ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK.
8. REPAIR AND REPLACEMENT OF ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION OF EQUAL TO OR BETTER THAN EXISTING CONDITIONS UNLESS SPECIFICALLY EXEMPTED BY THE PLANS.
9. ALL DISTURBED AREAS WITH THE PROJECT NOT DESIGNATED FOR IMPROVEMENTS ARE TO BE RESTORED TO ORIGINAL CONDITION OR BETTER.
10. PEDESTRIAN BRIDGE RECORD DRAWINGS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING A REGISTERED LAND SURVEYOR TO RECORD INFORMATION ON A SET OF THE APPROVED PLANS CONCURRENTLY WITH CONSTRUCTION PROGRESS. FOUR SETS OF THE FINAL RECORD DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER.
11. ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFFSITE IN ACCORDANCE WITH APPLICABLE REGULATIONS.
12. CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS AND WATERWAYS.
13. BEST MANAGEMENT PRACTICES FOR EROSION AND TURBIDITY CONTROL, INCLUDING BUT NOT LIMITED TO THE USE OF STAKED HAY BALES, TURBIDITY BARRIERS, AND SILT SCREENS, SHALL BE USED AND MAINTAINED AS NECESSARY AT ALL TIMES DURING THE PROJECT. TURBIDITY CONTROL DEVICES SHALL BE MAINTAINED AND SHALL REMAIN IN PLACE FOR THE DURATION OF CONSTRUCTION TO ENSURE THAT TURBIDITY LEVELS OUTSIDE THE CONSTRUCTION AREA DO NOT EXCEED 29 NTUS ABOVE BACKGROUND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT TURBIDITY CONTROL DEVICES ARE INSPECTED DAILY AND MAINTAINED IN GOOD WORKING ORDER SO THAT THERE ARE NO VIOLATIONS OF STATE WATER QUALITY STANDARDS OUTSIDE OF THE TURBIDITY SCREENS.
14. REFERENCE IS MADE TO THE GEOTECH REPORT PREPARED BY ANDREYEV ENGINEERING, INC. DATED JUNE 17, 2013

**SUBGRADE FILL NOTES:**

1. SUB GRADE SHALL BE WELL-DRAINED AND OF UNIFORM BEARING STRENGTH.
2. SUB GRADE SHALL BE COMPACTED TO MINIMUM 98% PROCTOR DENSITY (ASTM D1557)
3. CONTRACTOR SHALL SUBMIT SOIL DENSITY TESTS TO ENGINEER OF RECORD FOR REVIEW PRIOR TO CONSTRUCTION. A MINIMUM OF (4) DENSITY TESTS SHALL BE PROVIDED (AT RANDOM) BY A LICENSED TESTING LABORATORY.
4. SUBGRADE FILL MATERIAL SHALL BE FREE OF ORGANIC MATERIAL, AND SHALL CONSIST OF SAND FILL WITH BETWEEN 3 TO 12 PERCENT BY WEIGHT OF MATERIAL PASSING THE U.S. STANDARD No. 200 SIEVE SIZE.



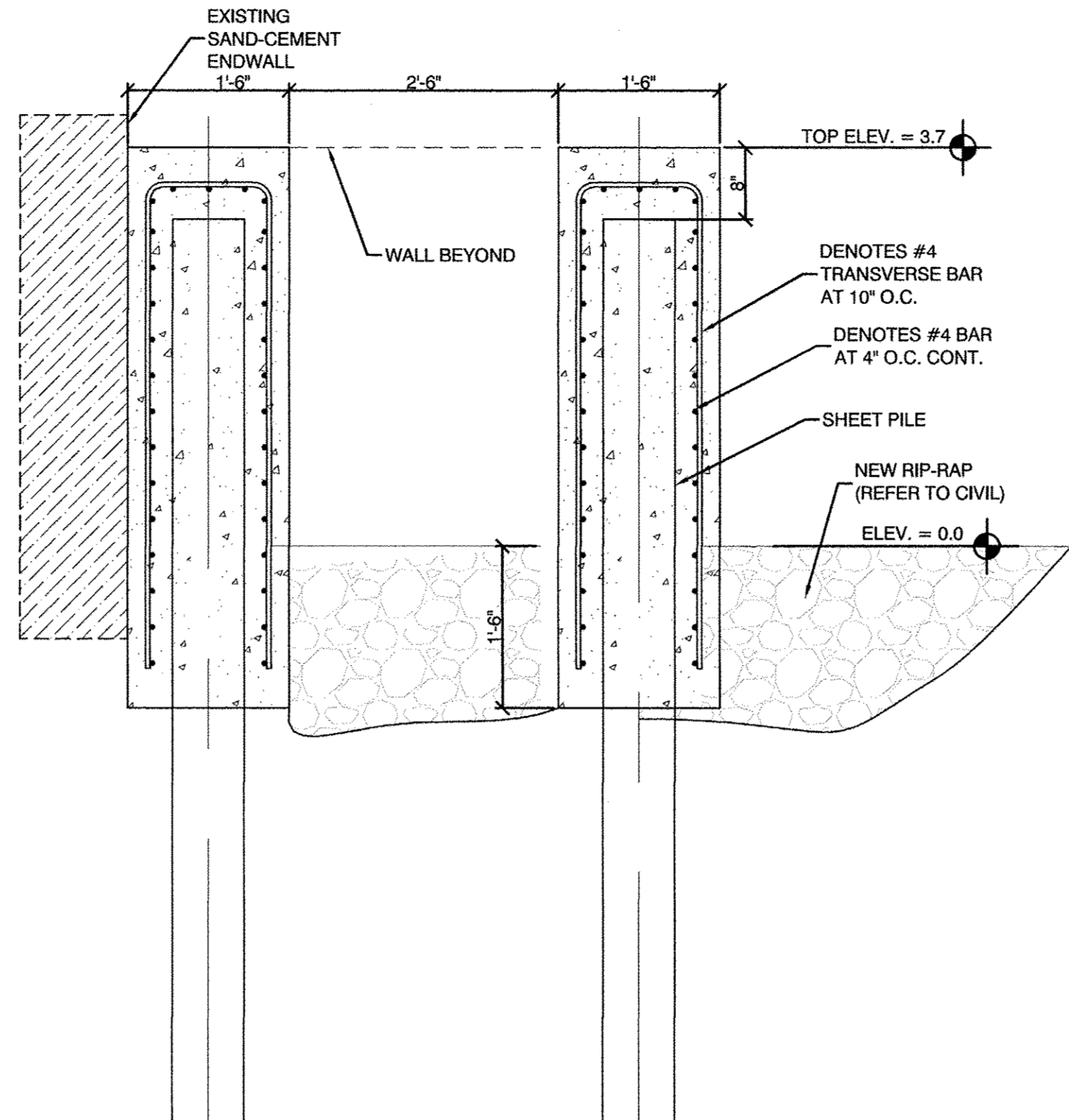
CERTIFICATE NO. 28919  
 CIVIL - STRUCTURAL - COASTAL  
 300 3rd AVENUE N., SUITE 3 ST. PETERSBURG, FL 33701  
 PHONE 727.527.5900

PROJ. #: E05-13HC0205  
 DRAWN BY: DE  
 PRJT. MNGR.: DR

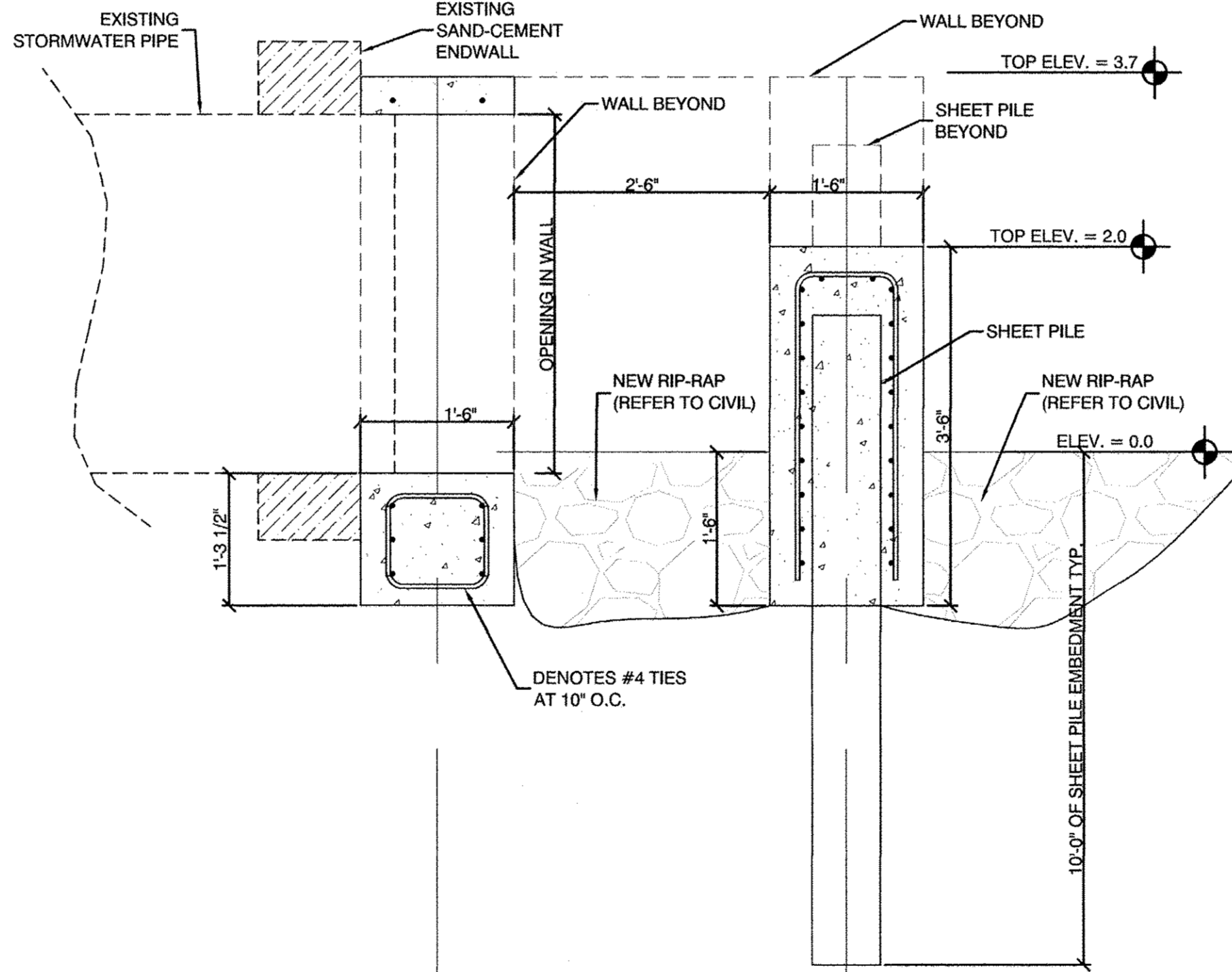
05/28/15  
 GORDON ONDERDONK, PE  
 PE NO. 64041

X:\PROJECTS\King Engineering\E05-13HC0205\_PWC Southwest Region\DWG\34\_NOTES.dwg - May 28, 2015 4:56 PM, D-ROOD, King Engineering Associate Inc.

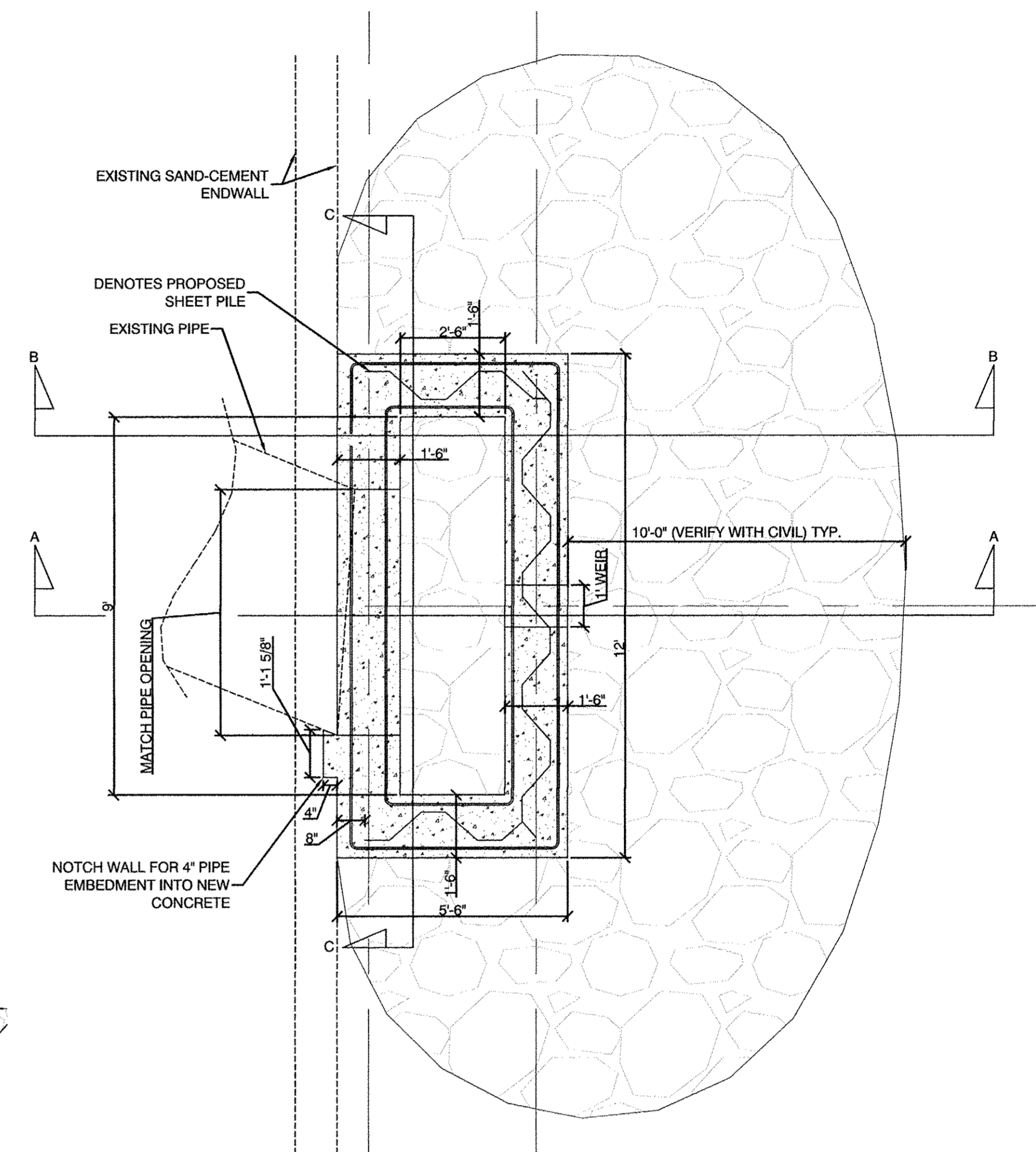
DESIGNED MDP DRAWN JLW CHECKED O.C.	THE SIGNATURE OF THE QUALITY CONTROL OFFICER IN THIS SPACE INDICATES THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND THAT CONSTRUCTION IS AUTHORIZED TO COMMENCE.	4921 Memorial Highway One Memorial Center, Suite 304 Tampa, Florida 33634 Phone 813 880-8881 Fax 813 880-8882 www.kingengineering.com Engineering License #2610	<b>PALM RIVER RESTORATION (W367)          EAST Mc KAY BAY STORMWATER AND HABITAT          RESTORATION SITES          FOR          SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT</b>	<b>DRAINAGE STRUCTURE S200 STRUCTURAL DETAILS</b>	JOB NO. 5044-005-004 DATE: 12/22/2010 SCALE: AS SHOWN	SHEET NO. <b>34</b>
--	--	---	---	---	--	------------------------



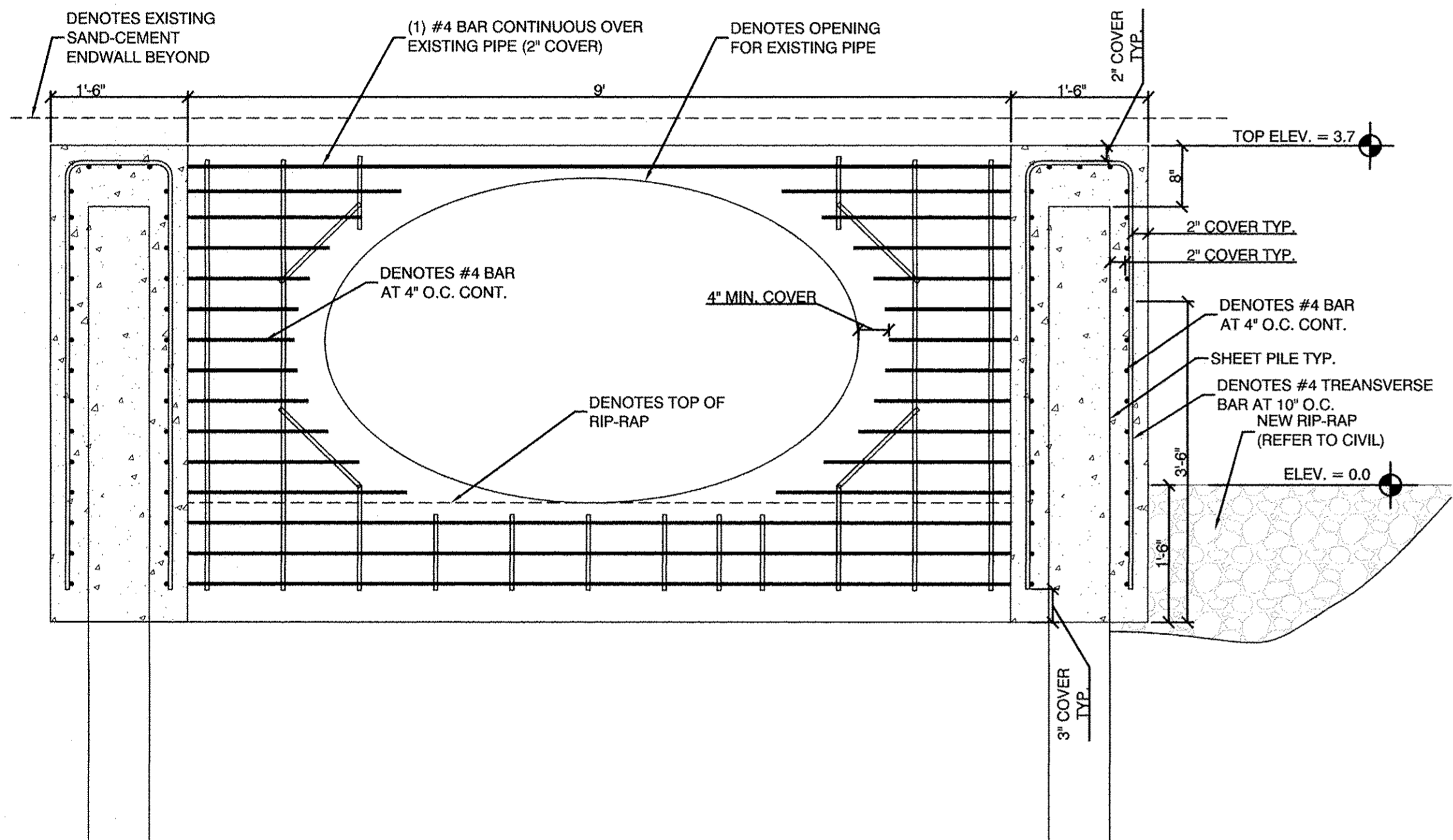
**3 SECTION B-B**  
 34.1 N.T.S.



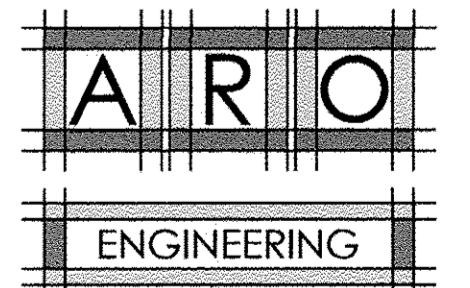
**2 SECTION A-A**  
 34.1 N.T.S.



**1 PLAN VIEW**  
 34.1 N.T.S.



**4 SECTION C-C**  
 34.1 N.T.S.



CERTIFICATE NO. 28919  
 CIVIL - STRUCTURAL - COASTAL  
 300 3rd AVENUE N., SUITE 3 ST. PETERSBURG, FL 33701  
 PHONE 727.527.5900

PROJ. #: E05-13HC020S  
 DRAWN BY: DE  
 PRJT. MNGR.: DR

05/28/15  
 GORDON ONDERDONK, PE  
 PE NO. 64041

X:\PROJECTS\IE05-King Engineering\IE05-13HC020S-PWC Southwest Region\DWG\34.1\_SECTION.dwg, May 28, 2015 4:27 PM, D-ROOD, King Engineering Associate Inc.

DESIGNED	THE SIGNATURE OF THE QUALITY CONTROL OFFICER IN THIS SPACE INDICATES THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND THAT CONSTRUCTION IS AUTHORIZED TO COMMENCE.
DRAWN	
CHECKED	
O.C.	



4921 Memorial Highway  
 One Memorial Center, Suite 300  
 Tampa, Florida 33634  
 Phone 813 880-8881  
 Fax 813 880-8882  
 www.kingengineering.com  
 Engineering License #2610

**PALM RIVER RESTORATION (W367)**  
**EAST Mc KAY BAY STORMWATER AND HABITAT**  
**RESTORATION SITES**  
 FOR  
**SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT**

**DRAINAGE STRUCTURE S200 STRUCTURAL DETAILS**

NO.	DATE	DESCRIPTION	APP'D BY

JOB NO.	5044-005-004	SHEET NO.	34.1
DATE	12/22/2010	SCALE	AS SHOWN