

March 22, 2018  
BOARD OF COUNTY COMMISSIONERS  
ORANGE COUNTY, FLORIDA

IFB Y18-729-TA, ADDENDUM NO. 6

SOUTH WATER RECLAMATION FACILITY (SWRF) INFLUENT PUMP STATION  
IMPROVEMENTS

**BID OPENING DATE: March 29, 2018**

This Addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions, and/or revisions to and shall take precedence over the original documents. Additions are indicated by **underlining** and deletions via ~~strikethrough~~.

**A. BIDDERS QUESTIONS**

1. Reference Drawing S08: Plans call for “#6 with Formsavers” I cannot locate details for the formsavers anywhere in the contract documents. Please include detailed information for this item.

**Response No. 1: Form savers shall be Lenton Form Savers by Erico or approved equal. They shall meet ACI 318 splice requirements and shall be installed according to the manufacturer's instructions.**

2. Reference Drawing S02: The const. joint left of grid line 3 runs along the same line where the embedded angle for the aluminum hatches will ultimately be installed, Please re-route const. joint or provide a detail showing how this will be accomplished.

**Response No. 2: This portion of the hatch will be cast-in to the initial pour just like any of the other edges of the hatch. The final joint location can be slightly adjusted during construction to facilitate installation with approval of the Engineer of Record.**

3. Specification Wastewater System Bypass 01516-3.03B states the contractor will provide electronic monitoring with SCADA. Please advise if this electronic monitoring condition is to be related to a flow switch, flow meter or other and provide size, quantity and equipment specifications.

**Response No. 3: Electronic monitoring is to include transmission of alarm conditions (low fuel, shut-off, overheating, etc.) from by-pass pumping equipment to OCU SCADA if possible, to be coordinated with by-pass plan.**

4. Reference specification 03300; 3.05-C: States “Alternate sections of concrete walls and slabs may be cast simultaneously. Do not place adjacent sections of walls and slabs until seven days after placement of first placed concrete.” However the construction drawings sheet S22 Details A, B, E & F share the note stating “Allow 48 hours between placement of initial cast and subsequent casts.” Please verify which is correct as this is a factor that significantly impacts the construction time of the Influent Pump Station.

**Response No. 4: 48 hours shall be the minimum amount of time necessary between adjacent casts as long as all curing requirements are maintained and not interfered with for the initial pour.**

5. Reference Construction Drawings Sheet S22 Detail G: Detail shows a “starter” wall upturned from the slab placed monolithically with the slab, other sections of the construction drawings show the wall joint as a roughened surface flush with slab. Please identify which is correct.

**Response No. 5: The purpose of the joints to be placed slightly above the slab is to allow reinforcement to pass under the waterstop without interference. A select few areas show the joint flush with the bottom of the slab (influent side of PS) but the reinforcement is adjusted to allow for this installation. All other locations appear to be shown accurately.**

6. Reference Construction Drawings Sheet S12: Please identify if the continuous reinforcement of Beam B-1 Needs to remain continuous through wall intersections, or if the beam reinforcement starts/stops at the opposing face of walls. If reinforcement shall carry through walls can form savers be utilized?

**Response No. 6: Yes, the beam reinforcement must continue through the interior walls. No, form savers will not be allowed for the beam reinforcement.**

7. In our design evaluation of the New IPS cofferdam, due to the ground conditions and ground water elevations, a large Tremie slab with piles (whether pipe or helical piles) will be required to counteract the uplift pressure. With respect to this, has the Design Engineer consider this in the over design of the pump station structure?

**Response No. 7: Means and methods for constructing the new IPS cofferdam is the contractor’s responsibility. If the means and methods require a change in the structural design, it will be reviewed during the shop drawing process. The Contractor shall be responsible for providing structural designs for any changes, signed and sealed by a licensed Florida structural engineer.**

8. Reference Construction Drawings Sheet M17; Detail G: Detail indicates the limits of epoxy grout expanding continuously away from the Flow Splitter Sides inward along the 8’ width of the flume, this is contradictory to detail F which indicates a recess that leaves approximately a 3.5” wide x 2.75” thick Epoxy Grout Cap on each side of the Center Flow Splitter. Epoxy Grout is very expensive, please specify the distance the 2.75” thick epoxy grout cap will extend away from the Flow Splitter Sides.

**Response No. 8: The 2-inch epoxy grout on Detail G, is not needed.**

**B. DRAWINGS**

- 1. Drawing E02 to be deleted in its entirety and replaced with the attached revised Drawing E02.**
- 2. Drawing E05 to be deleted in its entirety and replaced with the attached revised Drawing E05 drawing.**

**C. ACKNOWLEDGEMENT OF ADDENDA**

- a. The Bidder shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of bid.
- b. All other terms, conditions and specifications remain the same.
- c. Receipt acknowledged by:

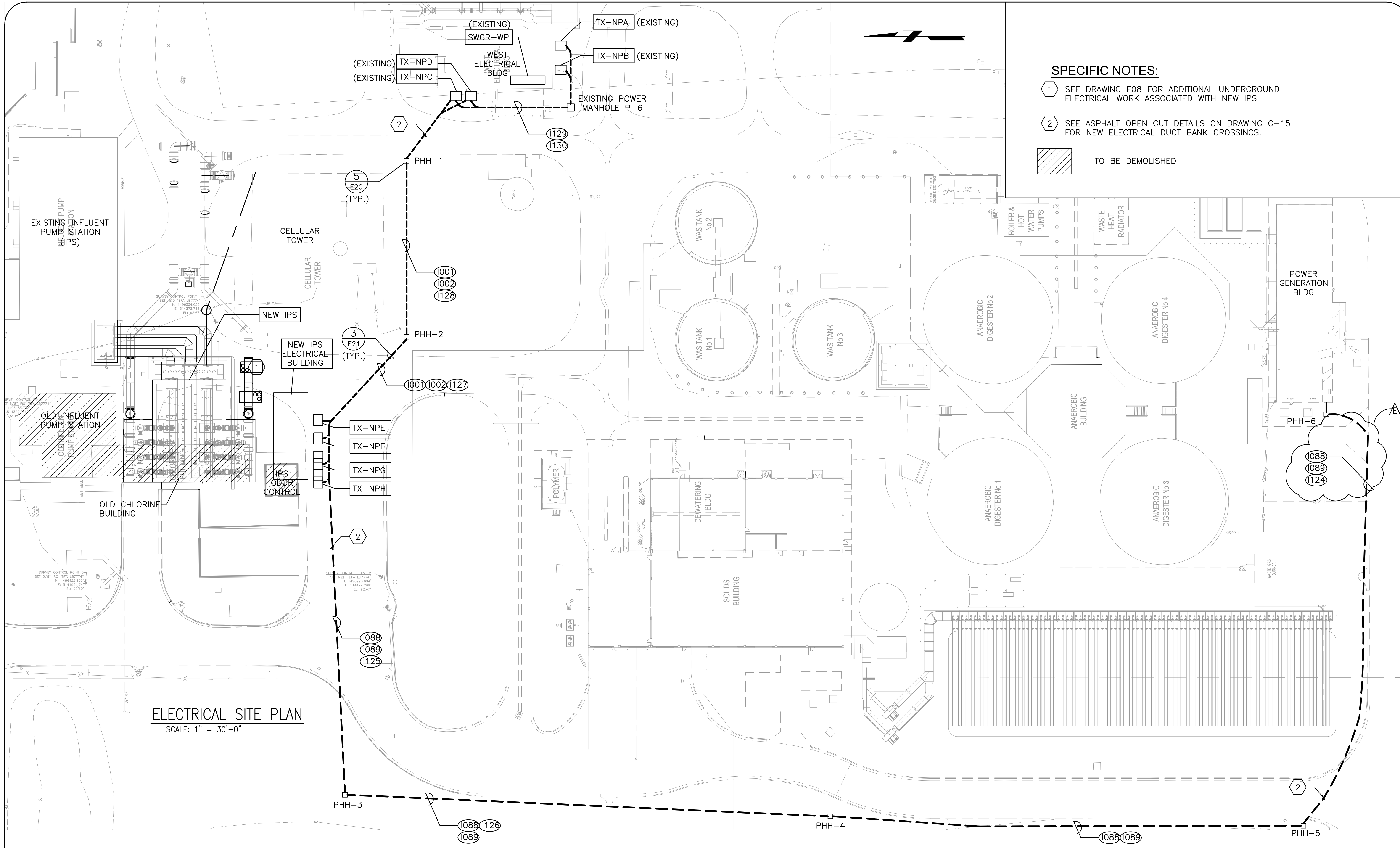
\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date Signed

\_\_\_\_\_  
Title

\_\_\_\_\_  
Name of Firm

Rev/Plot by: RODRIGUEZ, MARCELO on: 3/21/2018 7:47 AM  
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 Parent Sheet Sht:110031A\_DCF5



- SPECIFIC NOTES:**
- 1 SEE DRAWING E08 FOR ADDITIONAL UNDERGROUND ELECTRICAL WORK ASSOCIATED WITH NEW IPS
  - 2 SEE ASPHALT OPEN CUT DETAILS ON DRAWING C-15 FOR NEW ELECTRICAL DUCT BANK CROSSINGS.
- TO BE DEMOLISHED

**ELECTRICAL SITE PLAN**  
SCALE: 1" = 30'-0"

REV	DATE	DESCRIPTION
E	03/2018	ADDENDUM # 6
D	02/2018	ADDENDUM # 4
C	12/2017	ISSUED FOR BID
B	10/2017	100% FOR BID
A	02/2017	90% DRAWINGS

LINE IS 2 INCHES  
AT FULL SIZE  
(IF NOT SCALE ACCORDINGLY)

**ORANGE COUNTY GOVERNMENT**  
**ORANGE COUNTY UTILITIES DEPARTMENT ENGINEERING DIVISION**  
 9150 CURRY FORD ROAD ORLANDO, FL. 32825

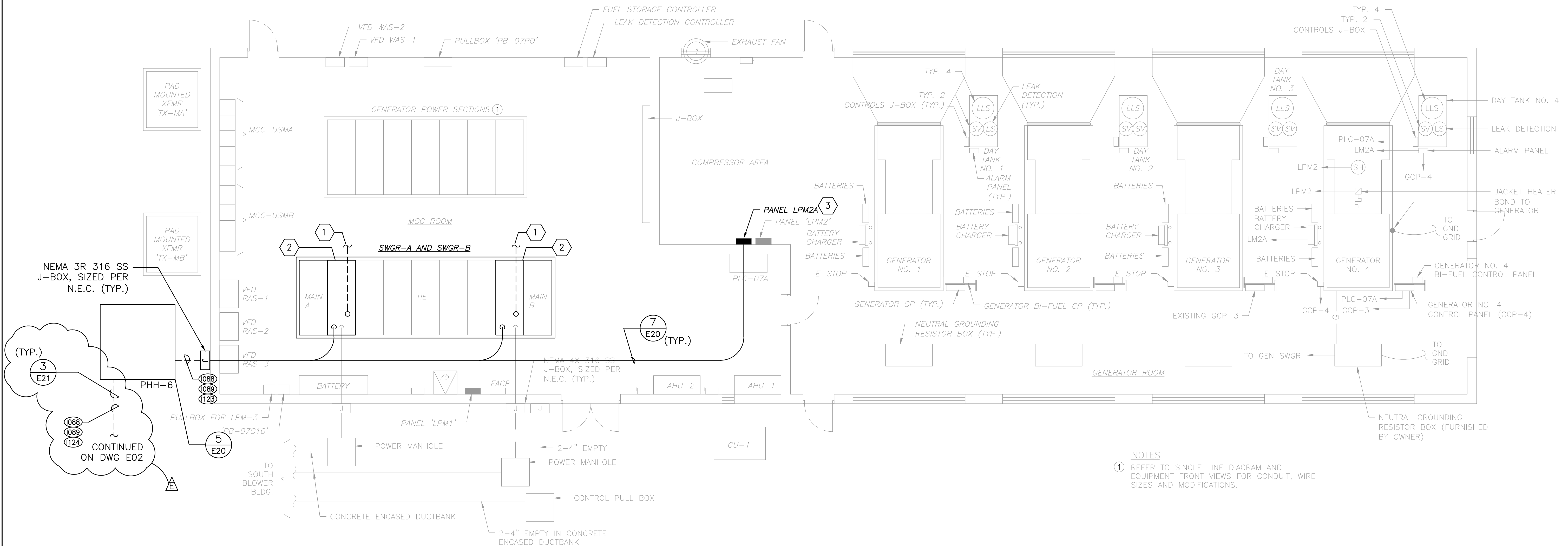
**AECOM**  
 AECOM TECHNICAL SERVICES INC.  
 150 N. ORANGE AVENUE, SUITE 200  
 ORLANDO, FLORIDA 32801  
 PHONE 407.843.6552  
 PROJECT NO. 110031A CERTIFICATE OF AUTHORIZATION NO. 8115

ORANGE COUNTY  
 SOUTH WATER RECLAMATION FACILITY INFLUENT PUMP STATION  
 ELECTRICAL  
**ELECTRICAL SITE PLAN**

OCU FILE NO.: OCU #  
 DESIGNED BY: MAP  
 DRAWN BY: IPF  
 CHECKED BY: IB  
 CADD FILE: E02\_03202018.DWG

SCALE: NOTED  
 DRAWING NO.:  
**E02**  
 SHEET: 91 OF 123

Parent Sheet: 110031A\_DCF5 Rev/Plot by: RODRIGUEZ, MARCELO on: 3/21/2018 9:42 AM Individual File Path: \\ORLANDO\NA-AECOM\NET\COM\ORLANDO\DOS\PROJECTS\WTR\ORANGE COUNTY\SWRF\60515910\_SWRF\_LPF\_FINAL\900-CAD\910-CAD\20-SHEETS\1E-EG05\_032118.DWG

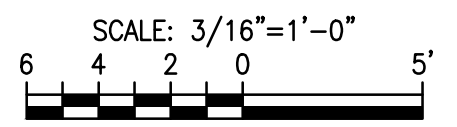


**NOTES**  
 ① REFER TO SINGLE LINE DIAGRAM AND EQUIPMENT FRONT VIEWS FOR CONDUIT, WIRE SIZES AND MODIFICATIONS.

**SPECIFIC NOTES:**

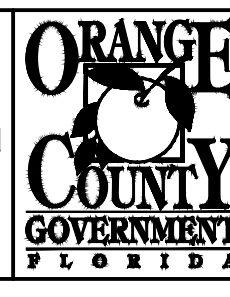
- ① AFTER INSTALLATION, TESTING, AND ENERGIZING OF NEW 15KV FEEDER CONDUCTORS, REMOVE EXISTING CONDUCTORS FROM SWGR-1 TO TRANSFORMER TX-NPA AND FROM SWFR-B TO TRANSFORMER TX-NPB.
- ② ADJUST EXISTING CIRCUIT BREAKER TRIP RATING AS INDICATED ON SINGLE LINE DIAGRAM, DWG. E10. REPLACE CT'S AS NECESSARY.
- ③ PROVIDE 2 NEW 20-AMP 1-POLE CIRCUIT BREAKERS IN PANEL 'LPM2A' TO FEED SUMP PUMPS IN POWER HANDHOLES PHH-5 AND PHH-6

**POWER GENERATION BUILDING ELECTRICAL PLAN**



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ORANGE COUNTY  
 SOUTH WATER RECLAMATION FACILITY INFLUENT PUMP STATION  
 ELECTRICAL  
 WEST ELECTRICAL BUILDING  
 POWER PLAN

IRA BRANDELL, P.E.  
 PROFESSIONAL ENGINEER  
 FLORIDA LICENSE #65814

OCU FILE NO.: OCU #  
 DESIGNED BY: MAP  
 DRAWN BY: IPF  
 CHECKED BY: IB  
 CADD FILE: E05\_032118.DWG

SCALE: NOTED  
 DRAWING NO.:  
**E05**  
 SHEET: 94 OF 123