

**EL PASO WATER UTILITIES  
PUBLIC SERVICE BOARD**

**ADDENDUM 2  
FOR**

**HASKELL R. STREET WASTEWATER TREATMENT PLANT FATS, OIL AND  
GREASE RECEIVING STATION IMPROVEMENTS**

**BID NUMBER 93-22**

**November 29, 2022**

The following revision to the Request for Proposals shall become part of the Contract Documents and the Bidders shall acknowledge receipt thereof on their Proposal

El Paso Water Utilities



Robert L. Davidson  
Contract Construction Administrator  
November 29, 2022

\* The Purchasing Agent's signature certifies only that the document shall become part of the Contract Documents for the referenced project. Her signature is not a representation that the Content of this document is Technically correct.

Arcadis U.S., Inc.



Joel Mora, P.E.  
Project Manager  
November 28, 2022



Receipt of this Addendum must be acknowledged in writing to El Paso Water Utilities as required by the bid documents.

**AD-2:**

**I. Attachments**

The following documents are attached to Addendum No. 2:

- Revised plan set Sheets E-02, E-03, and E-05.

**II. Questions and Answers:**

**QUESTION 1:** Will American Made Material be required for this project?

**ANSWER 1:** This is not a requirement for this project.

**QUESTION 2:** What Item should the 1" W# Waterline be paid in?

**ANSWER 2:** The 1" W3 waterline should be paid in Item #5.

**QUESTION 3:** SPEC 400517, 2.1, 2: calls for Exterior, Exposed Pipe to be Type K Soft Copper, would Hard Copper be more appropriate for Exposed Piping?

**ANSWER 3:** Section should read "For exterior, exposed pipe, provide Type K, hard drawn copper pipe". Refer to 400508, 2.1, B.2.

**QUESTION 4:** Plan Sheet C-04 showing the Exterior 3" FOG Line, this appears to be above grade. Will Pipe Supports be required for the Exterior 3" FOG Pipe? If so, please provide the appropriate detail.

**ANSWER 4:** Install pipe supports at locations as required in 400507 PIPE HANGERS AND SUPPORTS, 2.1. As instructed in 2.2.A, pipe supports shall be in accordance with MSS SP 58. Refer to this guide for details.

**QUESTION 5:** Plan sheet M-03 shows the 1" W3 Line approaching the Pad from Above Grade. While Sheet C-04 calls out 1" W3 UNDERGROUND. Which is Correct? If the 1" W3 is Buried, what is the approx. bury depth?

**ANSWER 5:** Note that the 1" W3 line will connect to the existing water supply line in the location shown in Sheet C-04 outside of the mixed sludge pumping station building. The line will tie-in after the existing valve, below ground level. According to record drawings, this line lies approximately 2' below grade,

however Contractor must determine the elevation of this tie-in point in the field. The line will continue below ground at tie-in point elevation until reaching the edge of the concrete slab of the FOG station, at which point it will travel upwards and over the concrete curb as shown in Section 1 of Sheet M-03.

**QUESTION 6:** Plan Sheet M-02 shows a 2" Ball Valve on the 2" D Line near the ROCK TRAP, SPEC 400553, 2.4 would have this Ball Valve be SST. Would a PVC Ball Valve be more appropriate?

**ANSWER 6:** Note that PVC Ball Valve is acceptable in this location.

**QUESTION 7:** SPEC 400553, 2.4 would have all Ball Valves be SST. If these valves are installed on Copper Lines they would likely require Dielectric Unions. Could Brass Ball Valves be used to avoid the addition of Dielectric Unions?

**ANSWER 7:** Note that Brass Ball Valves are acceptable for use on the 1" copper lines for water distribution.

**QUESTION 8:** It appears the scale is off on sheets 27, 28 and 30 please check?

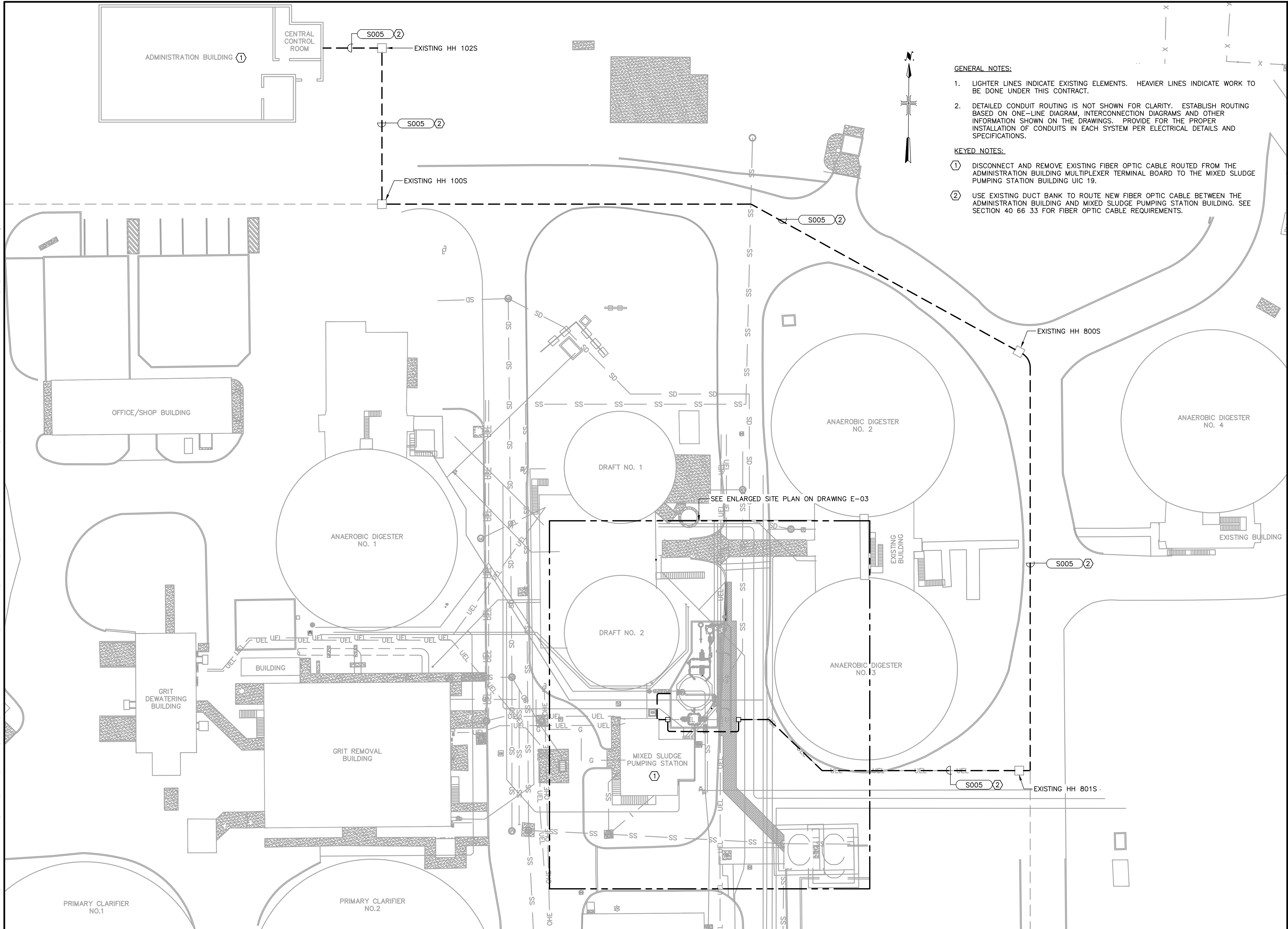
**ANSWER 8:** Sheets E-02, E-03 and E-05 have been revised to correct the scale. Revised sheets are attached.

**QUESTION 8:** 26 05 43.13 2.1 A called out all underground conduit to be 2" but the conduit schedule shows 1" please advise?

**ANSWER 8:** Providing 1" conduits per the conduit schedule will be acceptable.

**END OF ADDENDUM 2**

User: NPATEL Spec: AUS-NC5MOD File: C:\USERS\NPATEL\ACCD\005\ARCADIS\AUS-0066462-HASKELL WWTP\PROJECT FILES\01 - WIP\ELEC-E-02.DWG Scale: 1:1 Saved Date: 11/23/2022 Time: 10:37 Plot Date: Patel, Nikheel 11/23/2022 11:54 - Layout-E-02



GENERAL NOTES:

1. LIGHTER LINES INDICATE EXISTING ELEMENTS. HEAVIER LINES INDICATE WORK TO BE DONE UNDER THIS CONTRACT.
2. DETAILED CONDUIT ROUTING IS NOT SHOWN FOR CLARITY. ESTABLISH ROUTING BASED ON ONE-LINE DIAGRAM, INTERCONNECTION DIAGRAMS AND OTHER INFORMATION SHOWN ON THE DRAWINGS. PROVIDE FOR THE PROPER INSTALLATION OF CONDUITS IN EACH SYSTEM PER ELECTRICAL DETAILS AND SPECIFICATIONS.

KEYED NOTES:

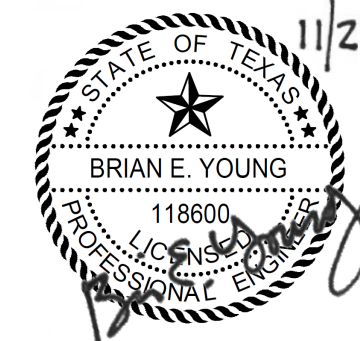
- ① DISCONNECT AND REMOVE EXISTING FIBER OPTIC CABLE ROUTED FROM THE ADMINISTRATION BUILDING MULTIPLEXER TERMINAL BOARD TO THE MIXED SLUDGE PUMPING STATION BUILDING UIC 19.
- ② USE EXISTING DUCT BANK TO ROUTE NEW FIBER OPTIC CABLE BETWEEN THE ADMINISTRATION BUILDING AND MIXED SLUDGE PUMPING STATION BUILDING. SEE SECTION 40 66 33 FOR FIBER OPTIC CABLE REQUIREMENTS.



LEGAL ENTITY:  
ARCADIS U.S., INC.

CONSULTANTS

SEALS



EL PASO, TX  
EL PASO WATER UTILITIES

HASKELL R. STREET WWTP  
FATS, OILS, AND GREASE  
RECEIVING STATION  
IMPROVEMENTS

ARCADIS PROJ. NO. 30066462.0000

1 NO.	11/22 DATE	ADDENDUM 1 ISSUED FOR	BY BY

COPYRIGHT: ARCADIS U.S., INC. 2017

DATE: FEBRUARY 2022

BID NO.: 21-9003

PROJECT NO.: 2372

FILE NAME: E-02

DESIGNED BY: B. YOUNG

DRAWN BY: N. PATEL

CHECKED BY: J. SOKOL

SHEET TITLE

ELECTRICAL

FIBER OPTIC  
SITE PLAN

SCALE:

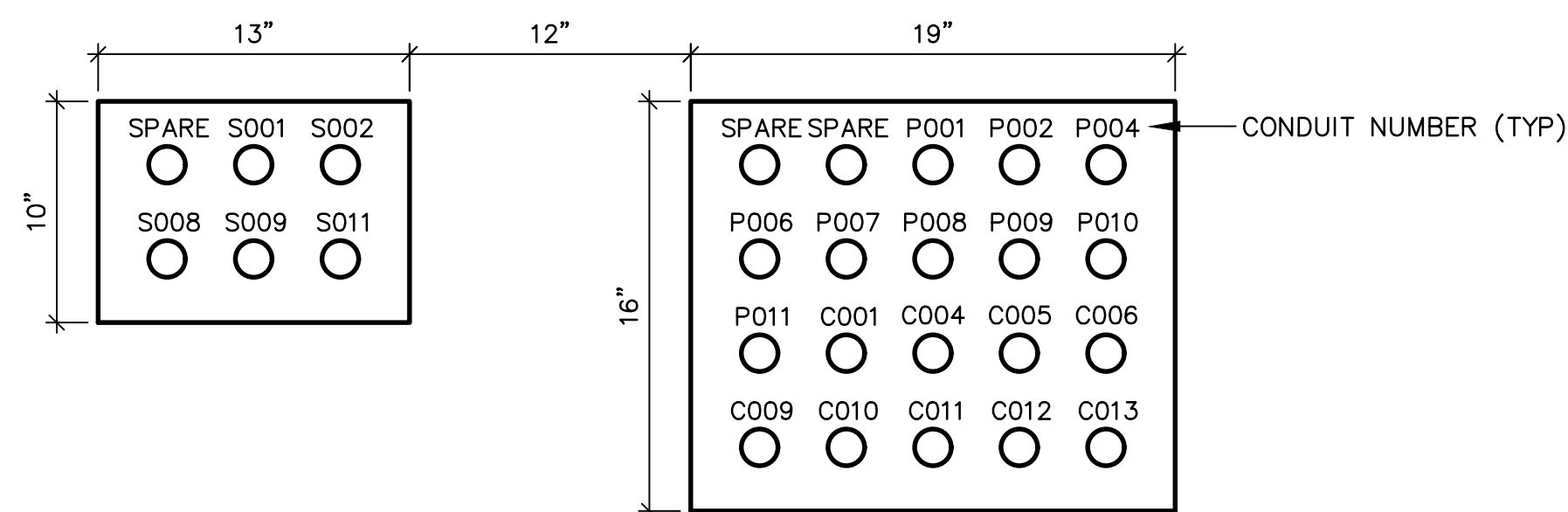
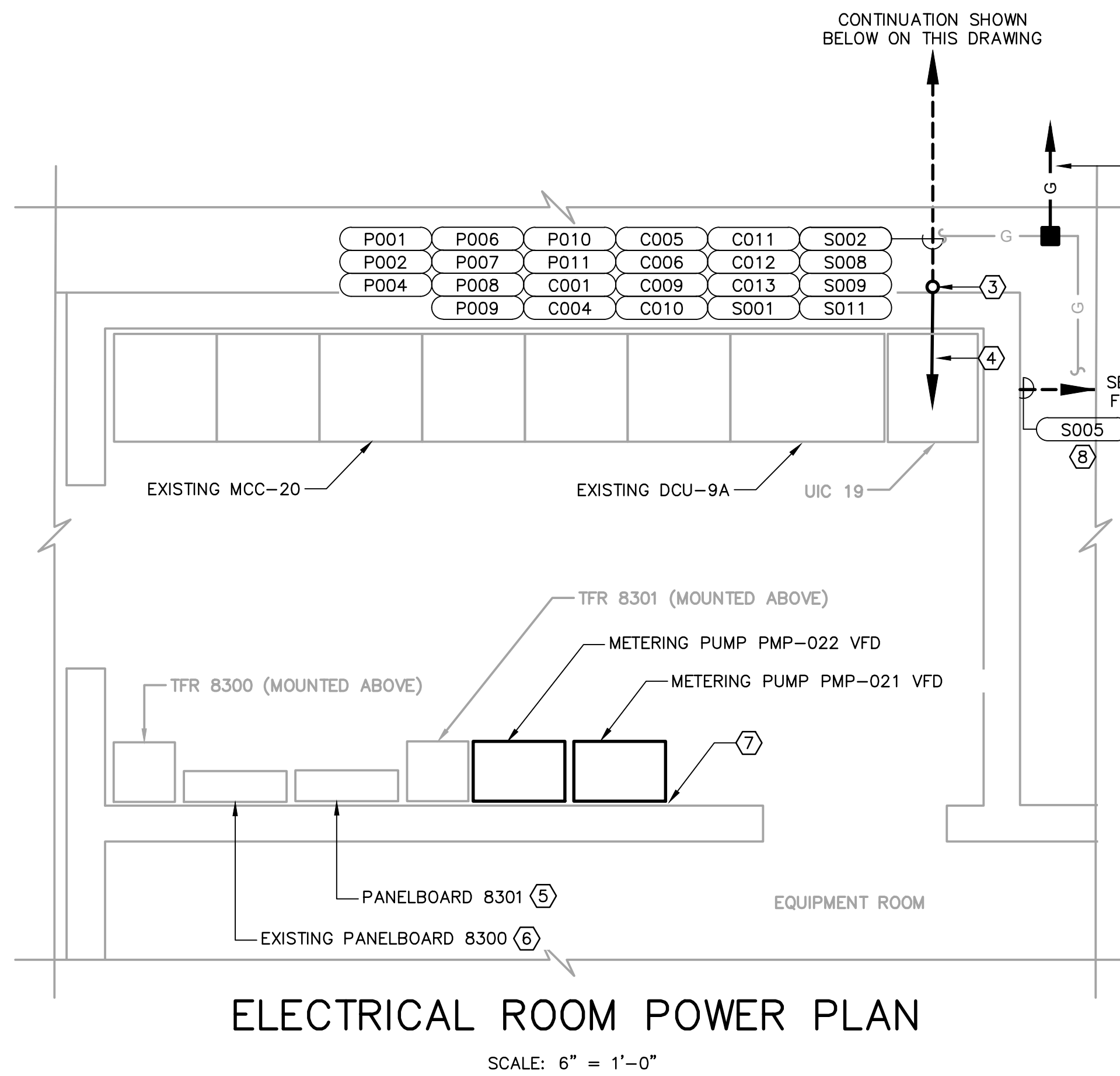
1" = 20'

E-02

SHEET 27 OF 36



User: NPATEL Spec: AUS-NSMOD File: C:\USERS\NPATEL\ACCORDS\ARCADIS\AUS-0066462-HASKELL\_WWTP\PROJECT FILES\01 - WIP\ELEC-E-03.DWG Scale: 1/1/2 SavedDate: 11/23/2022 Time: 11:50 : Layout: E-03



SECTION A  
NTS E-03

MIXED SLUDGE PUMP STATION ELECTRICAL ROOM  
(SEE ENLARGED PLAN ON THIS DRAWING)

ELECTRICAL ROOM

MIXED SLUDGE PUMP STATION

FOG RECEIVING STATION  
(SEE DRAWING E-05 FOR  
WORK IN THIS AREA)

**GENERAL NOTES:**

1. LIGHTER LINES INDICATE EXISTING ELEMENTS. HEAVIER LINES INDICATE WORK TO BE DONE UNDER THIS CONTRACT.
2. DETAILED CONDUIT ROUTING IS NOT SHOWN FOR ELECTRICAL ROOM FOR CLARITY. ESTABLISH ROUTING BASED ON ONE-LINE DIAGRAM, INTERCONNECTION DIAGRAMS AND OTHER INFORMATION SHOWN ON THE DRAWINGS. PROVIDE FOR THE PROPER INSTALLATION OF CONDUITS IN EACH SYSTEM PER ELECTRICAL DETAILS AND SPECIFICATIONS.
3. WHERE CONDUITS ARE IDENTIFIED AS SPARE PROVIDE CONDUIT SIZE MATCHING THAT OF THE LARGEST SIZE IN DUCT BANK.

**KEYED NOTES:**

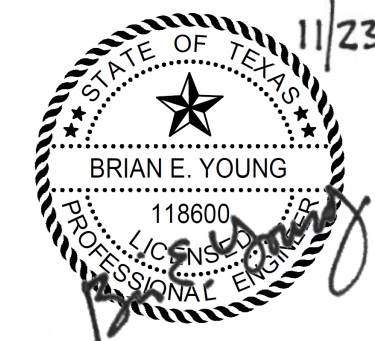
- ① EXISTING DUCT BANK IS IN CONFLICT WITH PROPOSED FOG RECEIVING STATION INSTALLATION. RELOCATE DUCT BANK AS SHOWN.
- ② CUT EXISTING WIRING IN HANDHOLE AND SPLICE WITH EXISTING WIRING USING WATER TIGHT SPLICE KIT FOR CONDUITS S006 AND S007.
- ③ REFER TO CONDUIT RISER AT STRUCTURE WALL DETAIL SHOWN ON DRAWING E-11.
- ④ CONDUITS ARE ROUTED OVERHEAD WITHIN ELECTRICAL ROOM AFTER TRANSITIONING THROUGH WALL. REFER TO CONDUIT SUPPORT DETAILS FOR MORE INFORMATION.
- ⑤ PROVIDE 20A, 120V CIRCUIT BREAKERS IN AVAILABLE SPACE TO PROVIDE POWER TO FOG TANK LEVEL CONTROL PANEL AND CRANE CRN-001. CIRCUIT BREAKER KAIC RATINGS SHALL MATCH THAT OF EXISTING CIRCUIT BREAKERS IN PANELBOARD.
- ⑥ PROVIDE 40A, 120V THERMAL MAGNETIC TYPE CIRCUIT BREAKER IN AVAILABLE SPACE TO PROVIDE POWER TO HEAT TRACE PANEL. PROVIDE 20A, 120V THERMAL MAGNETIC TYPE CIRCUIT BREAKER IN AVAILABLE SPACE TO PROVIDE POWER TO FOG STATION LIGHTING. CIRCUIT BREAKER KAIC RATINGS SHALL MATCH THAT OF EXISTING CIRCUIT BREAKERS IN PANELBOARD.
- ⑦ RELOCATE EXISTING RECEPTACLE AS NECESSARY FOR PROPOSED VFD LOCATION.
- ⑧ UTILIZE EXISTING DUCT BANK TO ROUTE NEW FIBER OPTIC CABLE BETWEEN THE ADMINISTRATION BUILDING AND MIXED SLUDGE PUMPING STATION BUILDING.



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1	11/22	ADDENDUM 1	BY
NO.	DATE	ISSUED FOR	BY

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DATE: FEBRUARY 2022

BID NO.: 21-9003

PROJECT NO.: 2372

FILE NAME: E-03

DESIGNED BY: B. YOUNG

DRAWN BY: N. PATEL

CHECKED BY: J. SOKOL

SHEET TITLE

ELECTRICAL

**ELECTRICAL  
SITE PLAN**

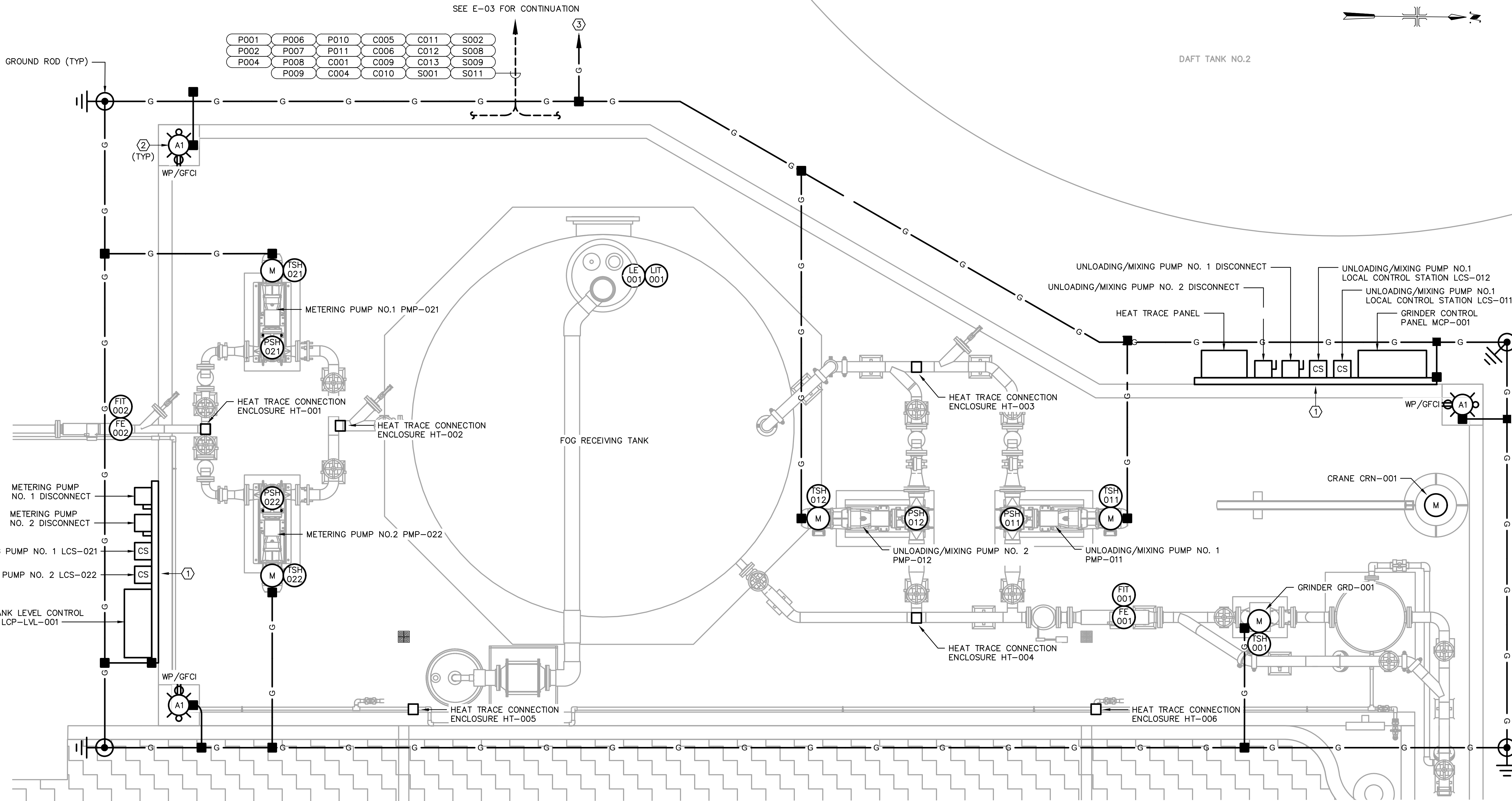
SCALE: 1" = 10'

**E-03**

SHEET 28 OF 36



User: NPATEL Spec: AUS-NC5MOD File: C:\USERS\NPATEL\ACAD\DWG\ARCADIS\AUS-0066462-HASKELL\_WWTP\PROJECT FILES\01 - WP\ELEC-E-05.DWG Plot Date: Patel, Nikheel: 11/23/2022 Time: 05:05 Scale: 1/2 Saved Date: 11/23/2022 Time: 05:05 Plot: Date: Patel, Nikheel: 11/23/2022 11:58 - Layout: E-05



LIGHT FIXTURE SCHEDULE		
TYPE	DESCRIPTION	MANUFACTURER AND MODEL NO.
A1	120V, LED TYPE POLE MOUNTED LIGHT FIXTURE WITH BRONZE FINISH, 6000 LUMEN OUTPUT, AND 4000K COLOR TEMPERATURE.	LITHONIA DSK SERIES, OR EQUAL.

GENERAL NOTES:

- EQUIPMENT LOCATIONS SHOWN ARE APPROXIMATE. REFER TO MECHANICAL DRAWINGS FOR MORE DETAIL. EXTEND CONDUIT/WIRE TO ACTUAL LOCATIONS AT NO ADDITIONAL COST TO OWNER.
- DETAILED CONDUIT ROUTING IS NOT SHOWN FOR CLARITY. ESTABLISH ROUTING BASED ON ONE-LINE DIAGRAM, INTERCONNECTION DIAGRAMS AND OTHER INFORMATION SHOWN ON THE DRAWINGS. PROVIDE FOR THE PROPER INSTALLATION OF CONDUITS IN EACH SYSTEM PER ELECTRICAL DETAILS AND SPECIFICATIONS.
- PROVIDE GROUNDING GRID AROUND PERIMETER OF FOG RECEIVING STATION AS SHOWN. GROUND CONDUCTOR SHALL BE #4/0 TINNED BARE COPPER CONDUCTOR BURIED A MINIMUM OF 30" BELOW GRADE. PROVIDE #4 TINNED BARE COPPER CONDUCTOR FROM GROUNDING GRID TO EQUIPMENT SHOWN ON PLAN VIEW USING EXOTHERMIC CONNECTIONS.
- CONDUITS LOCATED INSIDE OF CONTAINMENT AREA SHALL RISE CONTINUOUSLY TO A HEIGHT OF 6 INCHES ABOVE CONTAINMENT WALL. NO FITTINGS, JUNCTIONS, ETC. IN THE RISER. CONDUITS SHALL BE PVC COATED ALUMINUM.

KEYED NOTES:

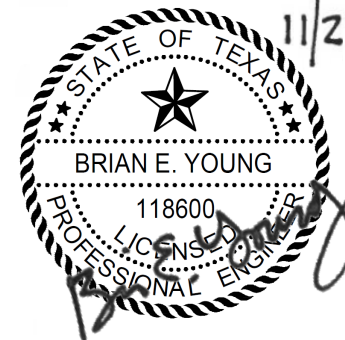
- MOUNT EQUIPMENT ON ELECTRICAL RACK. SEE ELECTRICAL DETAILS FOR MORE INFORMATION.
- MOUNT FIXTURE ON 12 FOOT SQUARE STEEL STRAIGHT POLE WITH 20A, 120V WP/GFCI DUPLEX RECEPTACLE AND 20A, 120V SNAP SWITCH FOR MANUAL ON/OFF CONTROL. SEE ELECTRICAL DETAILS FOR MORE INFORMATION.
- CONNECT NEW GROUNDING SYSTEM TO EXISTING GROUNDING GRID OUTSIDE OF ELECTRICAL ROOM VIA EXOTHERMIC CONNECTION. GROUND CONDUCTOR SHALL BE A MINIMUM OF #4/0 TINNED BARE COPPER CONDUCTOR BURIED A MINIMUM OF 30" BELOW GRADE.



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DATE: FEBRUARY 2022

BID NO.: 21-9003

PROJECT NO.: 2372

FILE NAME: E-05

DESIGNED BY: B. YOUNG

DRAWN BY: N. PATEL

CHECKED BY: J. SOKOL

SHEET TITLE

ELECTRICAL

FOG RECEIVING  
STATION  
POWER PLAN

SCALE: 1/2" = 1'-0"

E-05

SHEET 30 OF 36