



GUAM WATERWORKS AUTHORITY

Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913

P.O. Box 3010, Hagåtña, Guam 96932

Tel. No. (671) 300-6846/48 Fax No. (671) 648-3290

IFB No. 2026-05 NDWWTP Mawar Damage Repairs: Plumbing, Fencing, Process & Controls Response for Inquiries No. 1

This document addresses inquiries regarding IFB 2026-05. It provides clarifications and additional information for informational purposes. In the event that any responses result in modifications to the bid documents, they should be considered as amendments to the original IFB 2026-05.

QUESTION/INQUIRY AS SUBMITTED:	GWA RESPONSE:
Questions from February 18, 2026	
1. For Area-2 – Booster pump station, (1) Please confirm number of VFD to be replaced (2) Kindly share VFD specification/model and supply voltage.	Quantity to install is one (1) of originally installed equipment: Schnieder Electrical/Altivar 212 Variable Frequency Drive. Supply voltage = 480V.
2. For Area 2 – Gravity Belt Thickeners, (1) All components inside enclosure to be replaced? (PLC, I/O, HMI panel, wiring, relays etc.) kindly confirm, (2) Please confirm scopes is replacing 2 units of Gravity belt thickener equipment.	For (2) Gravity Belt Thickeners replace belts, gravity belt thickener feed pump, and all associated electrical components. See attached Record Drawing. E10.2.3
3. UV area – Please share equipment diagram/line electrical diagram.	See attached Record Drawings. E0.0.6, E6.2.1, E6.2.2, E6.2.3, E6.4.1
4. Area 2 – Oxidation – Meter is observed not functioning, please confirm only meter cover is the scopes	Scope should be replacement of the entire meter.

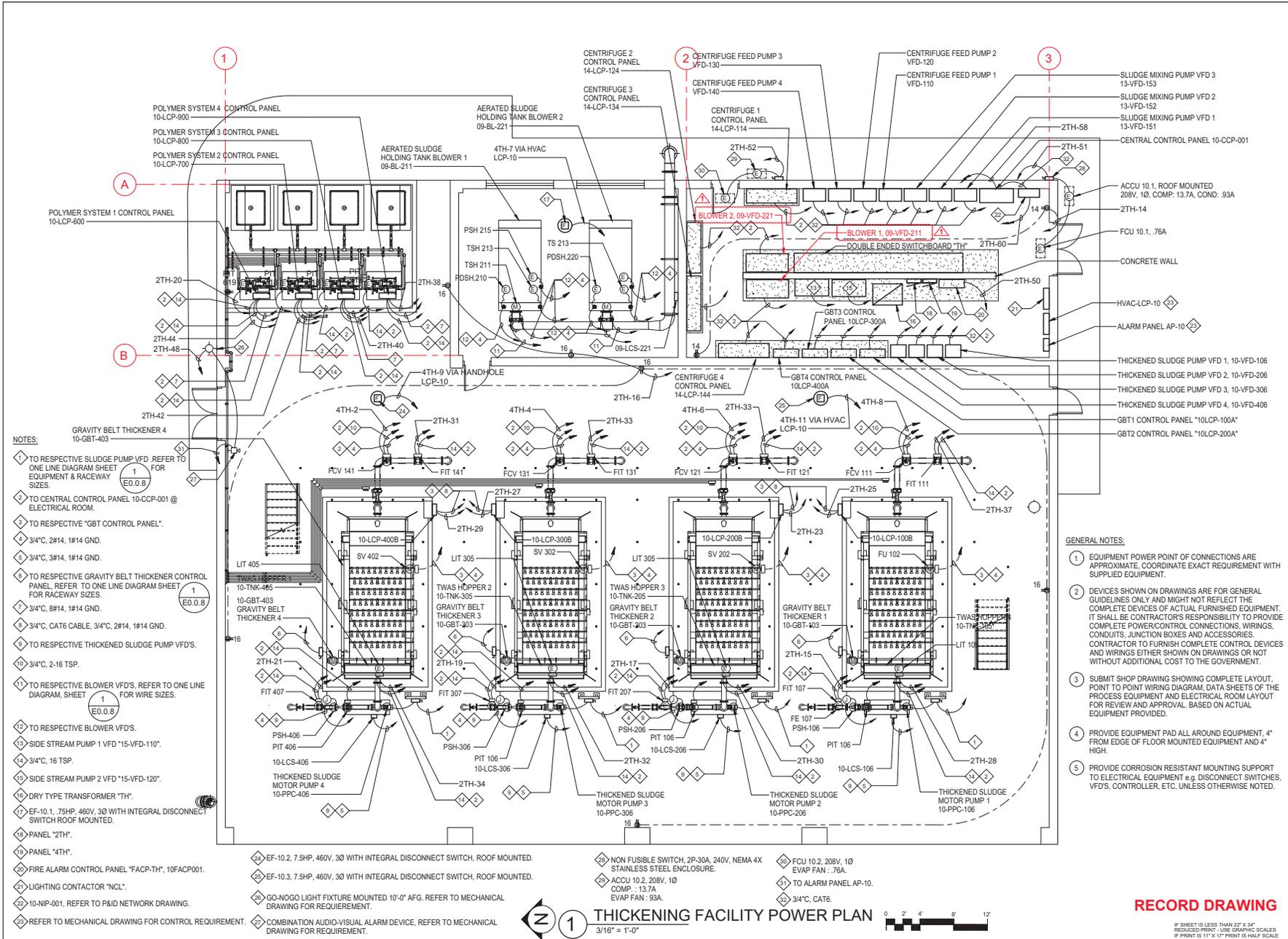
Bidders are also notified to visit the GWA website: www.guamwaterworks.org to ensure that any addenda to the bid, answers to questions, and reminders are communicated to all bidders during the solicitation process.



Miguel C. Bordaño, P.E.
General Manager



Date



- NOTES:**
- 1 TO RESPECTIVE SLUDGE PUMP VFD REFER TO ONE LINE DIAGRAM SHEET EQUIPMENT & RACEWAY SIZES.
 - 2 TO CENTRAL CONTROL PANEL 10-CCP-001 @ ELECTRICAL ROOM.
 - 3 TO RESPECTIVE 'GBT CONTROL PANEL'.
 - 4 3/4", 2#14, 1#14 GND.
 - 5 3/4", 3#14, 1#14 GND.
 - 6 TO RESPECTIVE GRAVITY BELT THICKENER CONTROL PANEL, REFER TO ONE LINE DIAGRAM SHEET, FOR RACEWAY SIZES.
 - 7 3/4", 8#14, 1#14 GND.
 - 8 3/4", CAT6 CABLE, 3/4", 2#14, 1#14 GND.
 - 9 TO RESPECTIVE THICKENED SLUDGE PUMP VFD'S.
 - 10 3/4", 2-16 TSP.
 - 11 TO RESPECTIVE BLOWER VFD'S, REFER TO ONE LINE DIAGRAM, SHEET FOR WIRE SIZES.
 - 12 TO RESPECTIVE BLOWER VFD'S.
 - 13 SIDE STREAM PUMP 1 VFD "15-VFD-110".
 - 14 3/4", 16 TSP.
 - 15 SIDE STREAM PUMP 2 VFD "15-VFD-120".
 - 16 DRY TYPE TRANSFORMER "TH".
 - 17 EF-10.1, 75HP, 460V, 3Ø WITH INTEGRAL DISCONNECT SWITCH ROOF MOUNTED.
 - 18 PANEL "2TH".
 - 19 PANEL "4TH".
 - 20 FIRE ALARM CONTROL PANEL "FACP-TH", 10FACP001.
 - 21 LIGHTING CONTACTOR "NCL".
 - 22 10-NIP-001, REFER TO P&ID NETWORK DRAWING.
 - 23 REFER TO MECHANICAL DRAWING FOR CONTROL REQUIREMENT.
 - 24 EF-10.2, 7.5HP, 460V, 3Ø WITH INTEGRAL DISCONNECT SWITCH, ROOF MOUNTED.
 - 25 EF-10.3, 7.5HP, 460V, 3Ø WITH INTEGRAL DISCONNECT SWITCH, ROOF MOUNTED.
 - 26 GO-NOGO LIGHT FIXTURE MOUNTED 10'-0" AFG. REFER TO MECHANICAL DRAWING FOR REQUIREMENT.
 - 27 COMBINATION AUDIO-VISUAL ALARM DEVICE, REFER TO MECHANICAL DRAWING FOR REQUIREMENT.
 - 28 NON FUSIBLE SWITCH, 2P-3ØA, 240V, NEMA 4X STAINLESS STEEL ENCLOSURE.
 - 29 ACCU 10.2, 208V, 1Ø COMP. - 13.7A EVAP FAN : 93A.
 - 30 FCU 10.2, 208V, 1Ø EVAP FAN : 76A.
 - 31 TO ALARM PANEL AP-10.
 - 32 3/4", CAT6.

- GENERAL NOTES:**
- 1 EQUIPMENT POWER POINT OF CONNECTIONS ARE APPROXIMATE, COORDINATE EXACT REQUIREMENT WITH SUPPLIED EQUIPMENT.
 - 2 DEVICES SHOWN ON DRAWINGS ARE FOR GENERAL GUIDELINES ONLY AND MIGHT NOT REFLECT THE COMPLETE DEVICES OF ACTUAL FURNISHED EQUIPMENT. IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO PROVIDE COMPLETE POWER CONTROL CONNECTIONS, WIRINGS, CONDUITS, JUNCTION BOXES AND ACCESSORIES. CONTRACTOR TO FURNISH COMPLETE CONTROL DEVICES AND WIRINGS EITHER SHOWN ON DRAWINGS OR NOT WITHOUT ADDITIONAL COST TO THE GOVERNMENT.
 - 3 SUBMIT SHOP DRAWING SHOWING COMPLETE LAYOUT, POINT TO POINT WIRING DIAGRAM, DATA SHEETS OF THE PROCESS EQUIPMENT AND ELECTRICAL ROOM LAYOUT FOR REVIEW AND APPROVAL. BASED ON ACTUAL EQUIPMENT PROVIDED.
 - 4 PROVIDE EQUIPMENT PAD ALL AROUND EQUIPMENT, 4" FROM EDGE OF FLOOR MOUNTED EQUIPMENT AND 4" HIGH.
 - 5 PROVIDE CORROSION RESISTANT MOUNTING SUPPORT TO ELECTRICAL EQUIPMENT e.g. DISCONNECT SWITCHES, VFD'S, CONTROLLER, ETC, UNLESS OTHERWISE NOTED.

CONSULTANTS

HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION. DATE: 03-18-2019

PROJECT TITLE

GUAM WATERWORKS AUTHORITY

NORTHERN DISTRICT WASTEWATER TREATMENT PLANT

SUBMITTAL:

RECORD DRAWING

Revision Schedule	
#	Description
1	ISSUED FOR CONSTRUCTION
2	ISSUED FOR CONSTRUCTION
3	ISSUED FOR CONSTRUCTION
4	ISSUED FOR CONSTRUCTION
5	ISSUED FOR CONSTRUCTION
6	ISSUED FOR CONSTRUCTION
7	ISSUED FOR CONSTRUCTION
8	ISSUED FOR CONSTRUCTION
9	ISSUED FOR CONSTRUCTION
10	ISSUED FOR CONSTRUCTION

Project No.: S17-003-OEA
Issue Date: 03-18-2019

Drawn By:
Checked By:
Approved By:
Designed By:

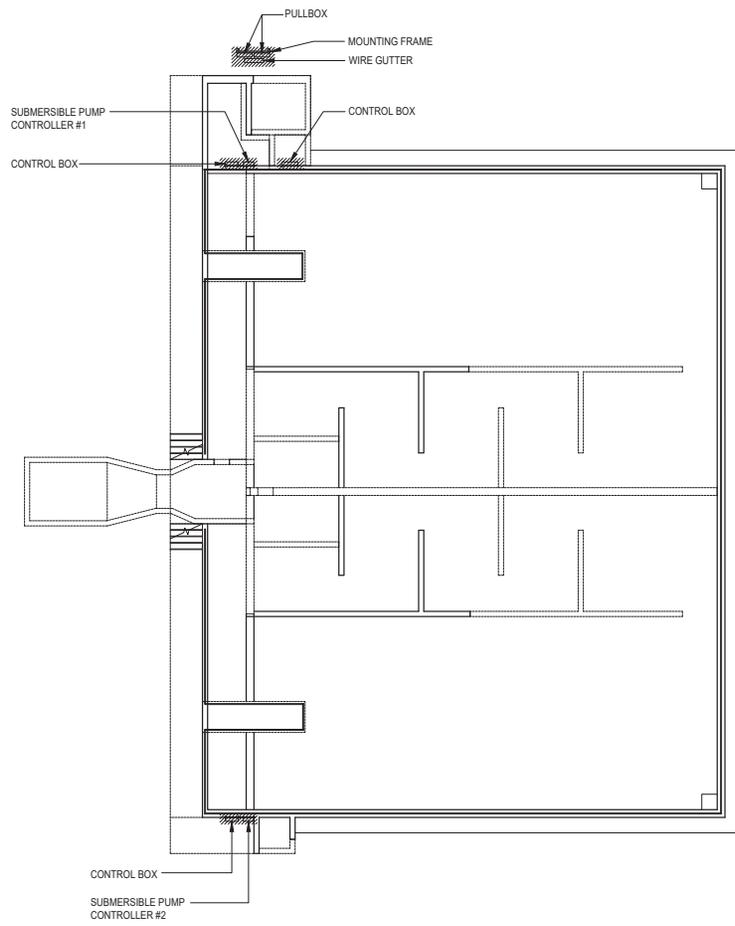
Sheet Title:
THICKENING FACILITY

POWER PLAN

Sheet: **E10.2.3**
Sheet 942 OF 1075

RECORD DRAWING

IF SHEET IS LESS THAN 22" X 34" REDUCED PRINT - USE GRAPHIC SCALES IF PRINT IS 11" X 17" PRINT IS HALF SCALE.



GENERAL NOTE:

- ① CONTINUOUS HATCH MARK INDICATE REMOVAL. REMOVE ALL UNUSED EQUIPMENT EITHER INDICATED ON PLAN OR NOT INCLUDING ASSOCIATED CONDUIT, WIRING AND ACCESSORIES. COMPLETE WITHOUT ADDITIONAL COST TO THE GOVERNMENT.



① EXISTING UV DISINFECTION PLAN (FORMERLY CONTACT CHLORINATOR AREA)
SCALE: 1/8"=1'-0"



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REDUCED PRINT - USE GRAPHIC SCALES
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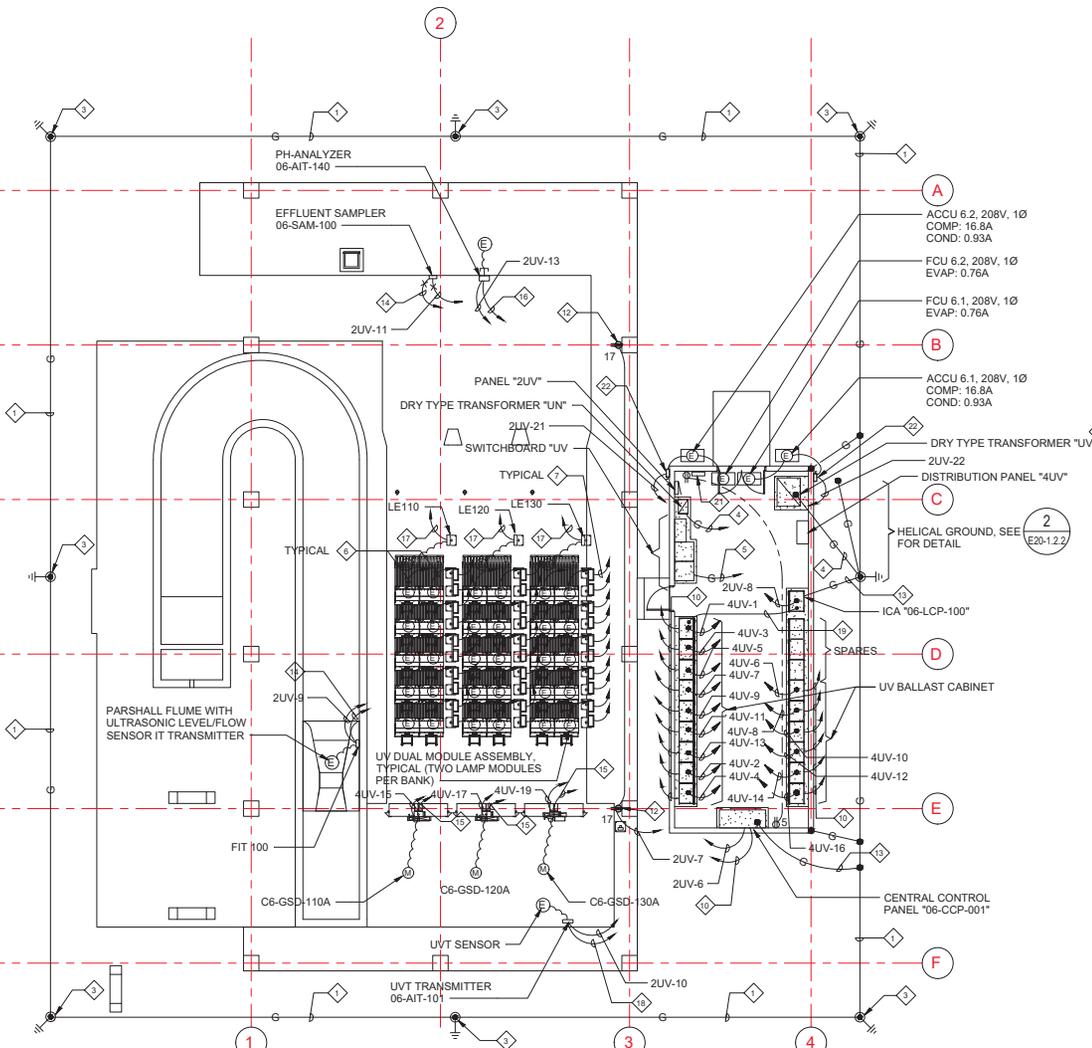
ISSD	13/09/2022	RECORD DRAWINGS
Project No.:	S17-003-OEA	
Issue Date:	03-18-2019	
Drawn By:	FC/JB	
Checked By:	AM/RB	
Approved By:	VR/AM	
Designed By:	RB	

Sheet Title:
UV DISINFECTION

**EXISTING UV DISINFECTION
REMOVAL PLAN**

Sheet: **E6.2.1**

Sheet 924 OF 1075



- NOTES:**
- 1 GROUND RING, #4/0 BARE COPPER BURIED 24" BELOW GRADE.
 - 2 CONNECTION SHALL BE EXOTHERMIC WELD UNLESS OTHERWISE NOTED.
 - 3 3/4"Ø X 10'-0" COPPER GROUND BURIED 12" BELOW GRADE.
 - 4 3/4", #1/0 GROUND, TO DRY TYPE TRANSFORMER GROUND BAR
 - 5 3/4", #3/0 GROUND, TO HELICAL GROUND.
 - 6 TO RESPECTIVE UV LAMP BALLAST CABINET. CONDUIT AND CABLING BY EQUIPMENT MANUFACTURER'S RECOMMENDATION.
 - 7 TO UV BALLAST CABINET. CONDUIT AND CABLING BY EQUIPMENT MANUFACTURER'S RECOMMENDATION.
 - 8 ELECTRIC WIPE CONTROL PANEL.
 - 9 MODULE LIFT CONTROL PANEL.
 - 10 3/4", CAT6 TO ICA "06-LCP-001".
 - 11 3/4", CAT6 TO CENTRAL CONTROL PANEL "06-CCP-001".
 - 12 GF1 WEATHERPROOF TYPE OUTLET, SUITABLE IN WET LOCATION WHILE IN USE.
 - 13 3/4", #8, CONNECT TO CONTROL PANEL GROUND BAR.
 - 14 3/4", #16 TSP, TO CENTRAL CONTROL PANEL "06-CCP-100".
 - 15 1"C, 12#14, 1#14 GND TO LOCAL CONTROL PANEL "06-LCP-100".
 - 16 3/4", 2-16 TSP, TO CENTRAL CONTROL PANEL "06-CCP-100".
 - 17 3/4", #4#14, 1#14 GND TO "06-LCP-001".
 - 18 3/4", #16 TSP & 2#14, 1#14 GND, TO "06-LCP-001".
 - 19 3/4", CAT6 & 1 1/4", #4#16 TSP.
 - 20 BONDING OF NEUTRAL BAR TO GROUND AT THIS POINT.
 - 21 LIGHTING CONTROLLER "A".
 - 22 NON FUSIBLE SWITCH 2P-30A, 240V, NEMA 4X STAINLESS STEEL ENCLOSURE.

- GENERAL NOTES:**
- 1 DRAWING IS FOR GUIDELINES ONLY. CONTRACTOR TO SUBMIT SHOP DRAWING SHOWING COMPLETE REQUIREMENT, LAYOUT, POINT TO POINT WIRING DIAGRAM, ELEVATION AND EQUIPMENT DATA SHEETS FOR REVIEW AND APPROVAL.
 - 2 EQUIPMENT POWER AND CONTROL(S) POINT OF CONNECTIONS ARE APPROXIMATE, COORDINATE EXACT REQUIREMENT WITH SUPPLIED EQUIPMENT.
 - 3 DEVICES SHOWN ON DRAWING ARE FOR GENERAL GUIDELINES ONLY AND MIGHT NOT SHOW THE COMPLETE DEVICES AS PER ACTUAL EQUIPMENT PROVIDED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE COMPLETE POWER/CONTROL CONNECTIONS, WIRINGS, CONDUITS AND OTHER ACCESSORIES. CONTRACTOR TO FURNISH COMPLETE CONTROL DEVICES EITHER SHOWN ON THE DRAWING OR NOT WITHOUT ADDITIONAL COST TO THE GOVERNMENT.
 - 4 CONDUIT ROUTING FROM UV LAMP(S) TO UV BALLAST CONTROL SHALL BE ROUTED UNDERGROUND AND STUBS SHALL BE BASED ON EQUIPMENT MANUFACTURER'S RECOMMENDATION.

1 UV DISINFECTION POWER PLAN
 SCALE: 1/8" = 1'-0"



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Sheet Title:
UV DISINFECTION
 POWER PLAN

Sheet: **E6.2.3**
 Sheet: 926 OF 1075

RECORD DRAWING

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