



PHOTO OF THE NORTH WALL OF EXISTING SLUDGE PUMP STATION UPPER FLOOR.



PHOTO OF THE EAST WALL OF EXISTING SLUDGE PUMP STATION UPPER FLOOR.



PHOTO OF THE SOUTH WALL OF EXISTING SLUDGE PUMP STATION UPPER FLOOR.



PHOTO OF THE WEST WALL OF EXISTING SLUDGE PUMP STATION UPPER FLOOR.

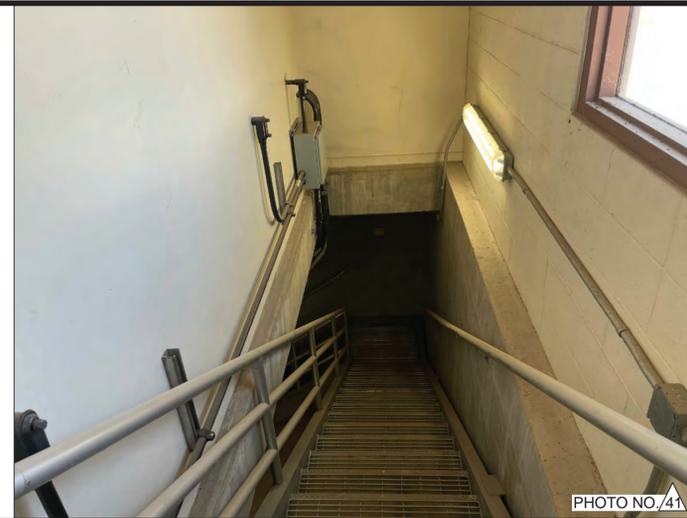


PHOTO OF THE STAIRS OF EXISTING SLUDGE PUMP STATION UPPER FLOOR

C:\Users\USER\The Holt Group\173.138 - Documents\CAD\CAD 10-24-2025\173.138 - SHEET 15 - SLUDGE PUMP STATION UPPER LEVEL WALL ELEVATIONS.dwg 10/29/2025 11:03

The Holt Group, Inc.
ENGINEERING PLANNING SURVEYING

EL CENTRO OFFICE
1601 N. Imperial Ave.
El Centro, CA 92243
(760) 337-3883

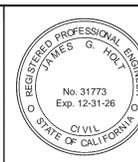
BLYTHE OFFICE
201 E. Hobsonway
Blythe, CA 92225
(760) 922-4658

NO.	REVISIONS:	APPROVED	DATE

UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

DESIGNED BY:
FBC
DRAWN BY:
FBC
CHECKED BY:
JGH

BENCHMARK: BM NO 1: EL 940.33'
BENCHMARK NUMBER 1 IS LOCATED AT THE TOP OF THE EXISTING PCC WALL AT THE SOUTHEAST CORNER OF THE AERATION BASINS. THE AERATION BASINS ARE SITUATED EAST OF THE NEWLY CONSTRUCTED MEMBRANE BUILDING. ELEVATIONS WERE OBTAINED FROM THE OCTOBER 2019 WEBB AS-BUILT PLANS.



PREPARED UNDER THE DIRECT SUPERVISION OF:
JAMES G. "JACK" HOLT
DATE: 10/24/2025
31773 R.C.E. NO.
12/31/26 REG. EXP.

PROJECT TITLE: CITY OF IMPERIAL – WASTEWATER TREATMENT PLANT DEMOLITION PROJECT
SHEET CONTENT: SLUDGE PUMP STATION UPPER LEVEL WALL ELEVATIONS

SHEET 15
OF 30 SHEETS
JOB NO. 173.138



PHOTO NO. 42

PHOTO OF THE ROOF/PCC SLAB OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.



PHOTO NO. 43

PHOTO OF THE SCUM PIT OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.



PHOTO NO. 44

PHOTO OF THE MODULAR SCRUBBER AND CHLORINE FACILITY OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.



PHOTO NO. 45

PHOTO OF THE NORTH WALL OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.

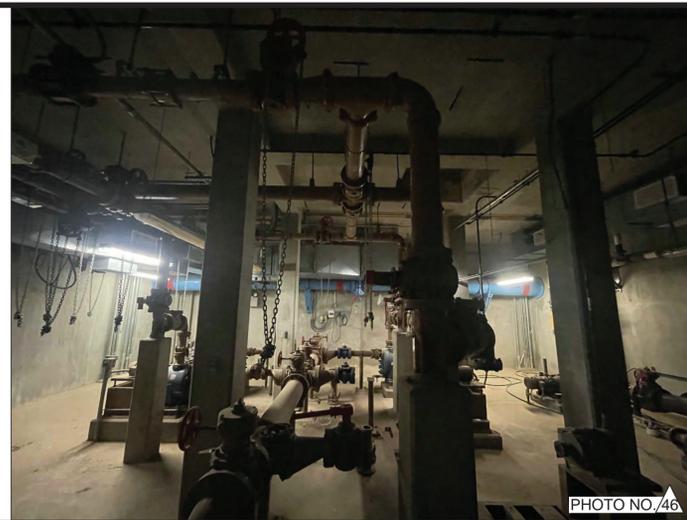


PHOTO NO. 46

PHOTO OF THE EAST WALL OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.

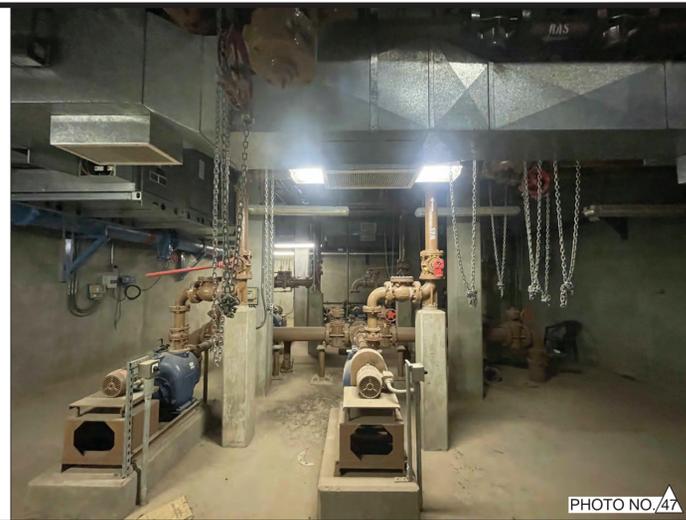


PHOTO NO. 47

PHOTO OF THE SOUTH WALL OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.



PHOTO NO. 48

PHOTO OF THE WEST WALL OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.



PHOTO NO. 49

PHOTO OF THE TWO 8-INCH PIPELINES AND ON THE NORTH WALL OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.



PHOTO NO. 50

PHOTO OF THE 18-INCH AND 12-INCH PIPELINES ON THE EAST WALL OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.

C:\Users\USER\The Holt Group\173.138 - Documents\CAD\CAD 10-24-2025\173.138 - SHEET 16 - SLUDGE PUMP STATION LOWER LEVEL WALL ELEVATIONS.dwg 10/29/2025 11:03

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DESIGNED BY: FBC	BENCHMARK: BM NO 1: EL 940.33'
DRAWN BY: FBC	BENCHMARK NUMBER 1 IS LOCATED AT THE TOP OF THE EXISTING PCC WALL AT THE SOUTHEAST CORNER OF THE AERATION BASINS. THE AERATION BASINS ARE SITUATED EAST OF THE NEWLY CONSTRUCTED MEMBRANE BUILDING. ELEVATIONS WERE OBTAINED FROM THE OCTOBER 2019 WEBB AS-BUILT PLANS.
CHECKED BY: JGH	



PREPARED UNDER THE DIRECT SUPERVISION OF: JAMES G. "JACK" HOLT 10/24/2025 DATE	31773 R.C.E. NO. 12/31/26 REG. EXP.
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PROJECT TITLE: CITY OF IMPERIAL – WASTEWATER TREATMENT PLANT DEMOLITION PROJECT

SHEET CONTENT: SLUDGE PUMP STATION LOWER LEVEL WALL ELEVATIONS

SHEET 16
OF 30 SHEETS
JOB NO. 173.138



PHOTO OF THE SCUM PUMPS ON THE SOUTH WALL OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.



PHOTO OF THE OVERHEAD PIPELINES ON THE WEST SIDE OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.



PHOTO OF THE OVERHEAD PIPELINES ON THE EAST SIDE OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.



PHOTO OF THE OVERHEAD PIPELINES ON THE NORTHEAST SIDE OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.

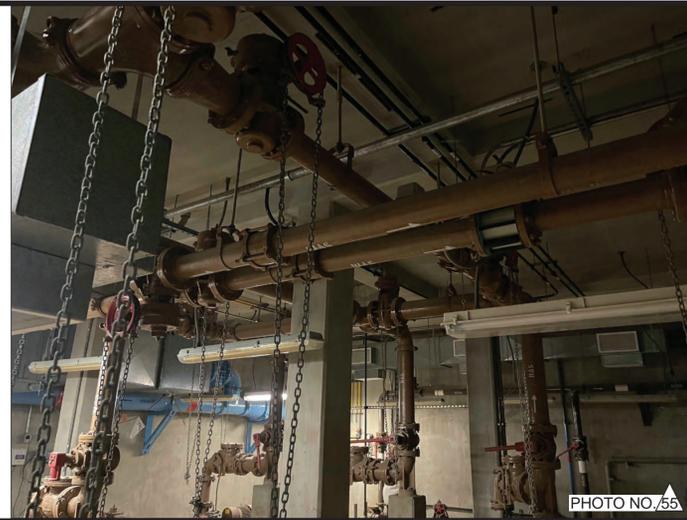


PHOTO OF THE OVERHEAD PIPELINES ON THE NORTHWEST SIDE OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.

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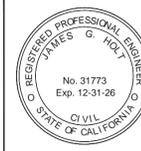
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PREPARED UNDER THE DIRECT SUPERVISION OF:
JAMES G. "JACK" HOLT
10/24/2025
DATE

PROJECT TITLE: CITY OF IMPERIAL – WASTEWATER TREATMENT PLANT DEMOLITION PROJECT
SHEET CONTENT: SLUDGE PUMP STATION LOWER LEVEL WALL ELEVATIONS

SHEET 17
OF 30 SHEETS
JOB NO. 173.138



PHOTO NO. 56

PHOTO OF THE CHANNEL ON THE EAST SIDE OF THE EXISTING ULTRAVIOLET DISINFECTION FACILITY, VIEWED FROM THE SOUTHEAST.



PHOTO NO. 57

PHOTOGRAPH OF THE CHANNEL ON THE EAST SIDE OF THE EXISTING ULTRAVIOLET DISINFECTION FACILITY, LOOKING FROM EAST TO WEST.



PHOTO NO. 58

PHOTOGRAPH OF THE CHANNEL ON THE EAST SIDE OF THE EXISTING ULTRAVIOLET DISINFECTION FACILITY, VIEWED FROM THE SOUTH.



PHOTO NO. 59

THE CHANNEL ON THE EAST SIDE OF THE EXISTING ULTRAVIOLET DISINFECTION FACILITY, VIEWED FROM THE EAST TO WEST.

C:\Users\USER1\The Holt Group\173.138 - Documents\CAD\CAD 10-24-2025\173.138 - SHEET 18 - ULTRAVIOLET DISINFECTION FACILITY PLANS AND SECTIONS.dwg 10/29/2025 11:04

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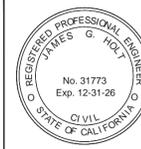
DESIGNED BY:
FBC

DRAWN BY:
FBC

CHECKED BY:
JGH

BENCHMARK: BM NO 1: EL 940.33'

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PREPARED UNDER THE DIRECT SUPERVISION OF:

JAMES G. "JACK" HOLT

10/24/2025
DATE

31773
R.C.E. NO.

12/31/26
REG. EXP.

PROJECT TITLE: CITY OF IMPERIAL – WASTEWATER TREATMENT PLANT DEMOLITION PROJECT

SHEET CONTENT: ULTRAVIOLET DISINFECTION FACILITY PLANS AND SECTIONS

SHEET
18

OF 30 SHEETS

JOB NO.
173.138

DEMOLITION KEYNOTES:

- 1 REMOVE AND DISPOSE OF ALL ELECTRICAL EQUIPMENT, LIGHT FIXTURES, WIRING, CONDUIT, BOXES, EQUIPMENT SUPPORTS, & ACCESSORIES WITHIN & ON EXISTING CLARIFIER NUMBER 1 INCLUDING BUT NOT LIMITED TO THE CLARIFIER MOTOR AND GEAR REDUCTION BOX, ELECTRICAL CONDUIT AND CONDUCTORS FOR THE CLARIFIER MOTOR, ELECTRICAL DISCONNECT SWITCH & LOCAL CONTROL PANEL NEAR THE ELECTRICAL MOTOR, HAZARDOUS AREA LIGHT FIXTURE & SUPPORT, AND ALL OTHER ELECTRICAL COMPONENTS. SEE SHEETS 4 & 13.
- 2 NEW 12'x60' TEMPORARY TRAILER. SEE CIVIL. PREFABRICATED TRAILER ELECTRICAL LIGHTING & PANELBOARD BY TRAILER MANUFACTURER. SEE PARTIAL ELECTRICAL ONE-LINE DIAGRAM ON SHEET 28 FOR NEW UG ELECTRICAL FROM THE OPERATIONS BUILDING.
- 3 REMOVE & DISPOSE 2 EXISTING ABOVE GROUND J-BOXES AND ABOVE GROUND CONDUIT & WIRING ASSOCIATED WITH THE CLARIFIER. REMOVE ALL WIRING FROM THE SLUDGE PUMP BUILDING & REPLACE WITH TRACER WIRE. CUT OFF AND CAP CONDUITS AT GRADE AND PROVIDE CONDUIT MARKERS FOR FUTURE USE.
- 4 REMOVE AND DISPOSE OF ALL ELECTRICAL EQUIPMENT, WIRING, CONDUIT, BOXES, EQUIPMENT SUPPORTS, & ACCESSORIES WITHIN & ON EXISTING CLARIFIER NUMBER 2 INCLUDING BUT NOT LIMITED TO THE MOTOR & GEAR REDUCTION ASSEMBLY, ELECTRICAL CONDUITS AND CONDUCTORS, MOTORS, FLEX CONDUIT, ELECTRICAL DISCONNECT SWITCH & LOCAL CONTROL PANEL NEAR THE ELECTRICAL MOTOR, JUNCTION BOXES AND ALL OTHER ELECTRICAL ITEMS. SEE SHEETS 5 & 14.
- 5 NO PLANNED ELECTRICAL DEMOLITION WORK AT THIS FACILITY.

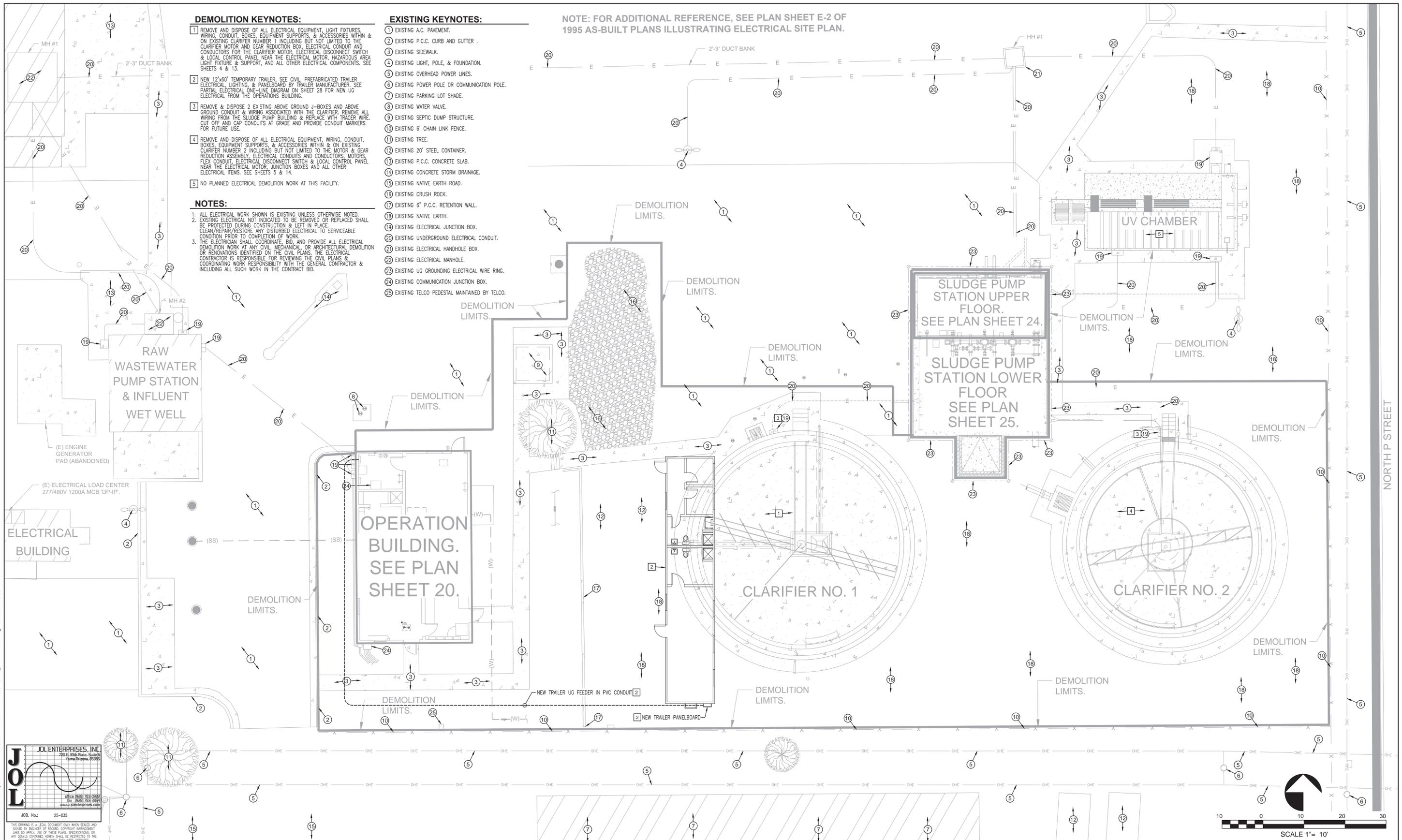
NOTES:

1. ALL ELECTRICAL WORK SHOWN IS EXISTING UNLESS OTHERWISE NOTED.
2. EXISTING ELECTRICAL NOT INDICATED TO BE REMOVED OR REPLACED SHALL BE PROTECTED DURING CONSTRUCTION & LEFT IN PLACE.
3. CLEAN/REPAIR/RESTORE ANY DISTURBED ELECTRICAL TO SERVICEABLE CONDITION PRIOR TO COMPLETION OF WORK.
4. THE ELECTRICIAN SHALL COORDINATE, BID, AND PROVIDE ALL ELECTRICAL DEMOLITION WORK AT ANY CIVIL, MECHANICAL, OR ARCHITECTURAL DEMOLITION OR RENOVATIONS IDENTIFIED ON THE CIVIL PLANS. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE CIVIL PLANS & COORDINATING WORK RESPONSIBILITY WITH THE GENERAL CONTRACTOR & INCLUDING ALL SUCH WORK IN THE CONTRACT BID.

EXISTING KEYNOTES:

- 1 EXISTING A.C. PAVEMENT.
- 2 EXISTING P.C.C. CURB AND GUTTER.
- 3 EXISTING SIDEWALK.
- 4 EXISTING LIGHT, POLE, & FOUNDATION.
- 5 EXISTING OVERHEAD POWER LINES.
- 6 EXISTING POWER POLE OR COMMUNICATION POLE.
- 7 EXISTING PARKING LOT SHADE.
- 8 EXISTING WATER VALVE.
- 9 EXISTING SEPTIC DUMP STRUCTURE.
- 10 EXISTING 6" CHAIN LINK FENCE.
- 11 EXISTING TREE.
- 12 EXISTING 20' STEEL CONTAINER.
- 13 EXISTING P.C.C. CONCRETE SLAB.
- 14 EXISTING CONCRETE STORM DRAINAGE.
- 15 EXISTING NATIVE EARTH ROAD.
- 16 EXISTING CRUSH ROCK.
- 17 EXISTING 6" P.C.C. RETENTION WALL.
- 18 EXISTING NATIVE EARTH.
- 19 EXISTING ELECTRICAL JUNCTION BOX.
- 20 EXISTING UNDERGROUND ELECTRICAL CONDUIT.
- 21 EXISTING ELECTRICAL HANDLE BOX.
- 22 EXISTING ELECTRICAL MANHOLE.
- 23 EXISTING UG GROUNDING ELECTRICAL WIRE RING.
- 24 EXISTING COMMUNICATION JUNCTION BOX.
- 25 EXISTING TELCO PEDESTAL MAINTAINED BY TELCO.

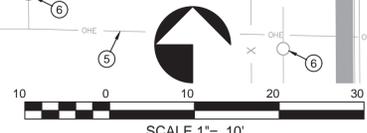
NOTE: FOR ADDITIONAL REFERENCE, SEE PLAN SHEET E-2 OF 1995 AS-BUILT PLANS ILLUSTRATING ELECTRICAL SITE PLAN.



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 www.jouleenterprises.com

JOB No.: 25-035

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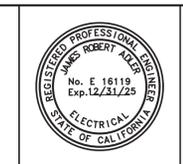
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NO.	REVISIONS:	APPROVED	DATE

DESIGNED BY: JRA	BENCHMARK: BM NO 1: EL 940.33' BENCHMARK NUMBER 1 IS LOCATED AT THE TOP OF THE EXISTING PCC WALL AT THE SOUTHEAST CORNER OF THE AERATION BASINS. THE AERATION BASINS ARE SITUATED EAST OF THE NEWLY CONSTRUCTED MEMBRANE BUILDING. ELEVATIONS WERE OBTAINED FROM THE OCTOBER 2019 WEBB AS-BUILT PLANS.
DRAWN BY: STAFF	
CHECKED BY: JRA	



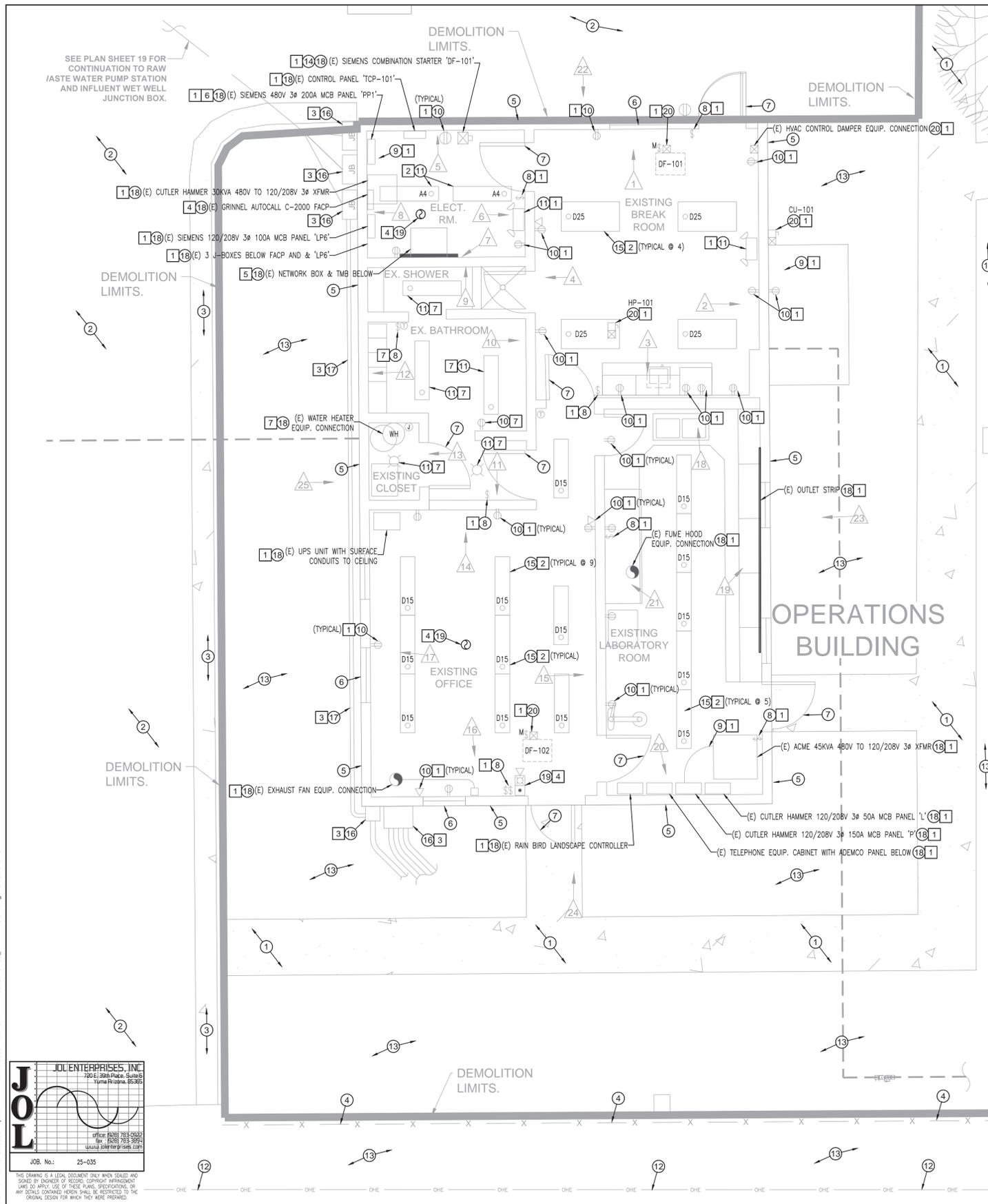
PREPARED UNDER THE DIRECT SUPERVISION OF: JRA JAMES R. ADLER 10/2/2025 DATE	E 16119 R.C.E. NO. 12/31/25 REG. EXP.
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PROJECT TITLE: CITY OF IMPERIAL - WASTEWATER TREATMENT PLANT DEMOLITION PROJECT

SHEET CONTENT: ELECTRICAL DEMOLITION SITE PLAN & OFFICE TRAILER INSTALLATION

SHEET 19
 OF 30 SHEETS
 JOB NO. 173.138

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- NOTES:**
- ALL ELECTRICAL WORK SHOWN IS EXISTING UNLESS OTHERWISE NOTED.
 - FOR ALL ITEMS OF ELECTRICAL EQUIPMENT IDENTIFIED FOR DEMOLITION, DEMOLITION SHALL INCLUDE ALL ELECTRICAL RELATED TO THE IDENTIFIED EQUIPMENT INCLUDING FEEDER OR BRANCH CIRCUIT WIRING, CABLING, GROUNDING, CONDUIT, WIREWAY, OUTLET BOXES, SUPPORTING HARDWARE, & ACCESSORIES.
 - THE CONTRACTOR IS RESPONSIBLE FOR ALL ELECTRICAL DEMOLITION AT THE OPERATIONS BUILDING WHETHER INDICATED ON THESE DRAWINGS OR NOT. THESE DRAWINGS AND THE PROJECT PHOTOS ON SHEETS 21, 22, & 23 ATTEMPT TO IDENTIFY AS MUCH EXISTING ELECTRICAL AS FEASIBLE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM THE ORIGINAL RECORD DRAWINGS. THE CONTRACTOR WILL ALSO BE ABLE TO DO A PRE-BID SITE VISIT. CHANGE ORDERS FOR ADDITIONAL MINOR ELECTRICAL DEMOLITION WORK DISCOVERED IN CONCEALED SPACES OR BEHIND FURNITURE WILL NOT BE CONSIDERED.
 - EXISTING WIRING, CONDUITS & RACEWAYS ARE NOT FULLY DETAILED ON THESE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING WIRING, CONDUITS & RACEWAYS PRIOR TO WORK. GENERALLY ALL WIRING, CONDUITS & RACEWAYS CURRENTLY USED FOR EQUIPMENT IDENTIFIED TO BE REMOVED SHALL BE REMOVED & DISPOSED UNDER THIS PROJECT. GENERALLY ALL ABANDONED WIRING, CONDUITS & RACEWAYS SHALL BE REMOVED & DISPOSED UNDER THIS PROJECT. HOWEVER, ALL WIRING, CONDUITS & RACEWAYS ASSOCIATED WITH EXISTING EQUIPMENT TO REMAIN OR SPARES DESIGNATED BY OWNER SHALL BE PROTECTED AND LEFT IN PLACE.
 - THE ELECTRICIAN SHALL COORDINATE, BID, AND PROVIDE ALL ELECTRICAL DEMOLITION WORK AT ANY CIVIL, MECHANICAL, OR ARCHITECTURAL DEMOLITION OR RENOVATIONS IDENTIFIED ON THE CIVIL PLANS. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE CIVIL PLANS & COORDINATING WORK RESPONSIBILITY WITH THE GENERAL CONTRACTOR & INCLUDING ALL SUCH WORK IN THE CONTRACT BID.

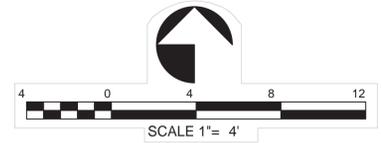
- ELECTRICAL SYMBOLS & ABBREVIATIONS:**
- ⊖ DUPLEX RECEPTACLE, OUTLET BOX, WIRING, & CONDUIT.
 - ⊖ SINGLE RECEPTACLE, OUTLET BOX, WIRING, & CONDUIT.
 - ⊖ FOUR PLEX RECEPTACLE, OUTLET BOX, WIRING, & CONDUIT.
 - ⊖ 230V OR 208V RECEPTACLE, OUTLET BOX, WIRING, & CONDUIT.
 - ⊖ GFI GROUND FAULT CIRCUIT INTERRUPTER.
 - ⊖ WP OUTDOOR WEATHERPROOF ENCLOSURE.
 - ⊖ WP-IU OUTDOOR WEATHERPROOF "IN-USE" ENCLOSURE.
 - ⊖ JUNCTION BOX, MOUNT AS SHOWN.
 - ⊖ CWP COLD WATER PIPE.
 - ⊖ NUMBER OF WIRES IN CONDUIT, LONG SLASH DENOTES GROUND WIRE, SHORT SLASH DENOTES NUMBER OF CURRENT CARRYING CONDUCTORS & NEUTRALS, HALF SLASH DENOTES SWITCHED LEG.
 - ⊖ LIGHT FIXTURE, WIRING, & CONDUIT.
 - ⊖ LIGHT CIRCUIT SWITCH, OUTLET BOX, WIRING, & CONDUIT.
 - ⊖ MOTOR RATED DISCONNECT SWITCH.
 - ⊖ EXHAUST FAN MOUNTED IN CEILING. SEE MECH. PLANS FOR DETAILS.
 - ⊖ WATER HEATER & EQUIPMENT CONNECTION WITH DISCONNECT SWITCH OR DIRECT CONNECTION.
 - ⊖ EXIT LIGHT, CEILING/WALL MOUNTED, SHADED SIDE REPRESENTS SIGN ORIENTATION.
 - ⊖ EXIT LIGHT/EMERGENCY LIGHT COMB. UNIT, CEILING/WALL MOUNTED.
 - ⊖ EMERGENCY LIGHT, CEILING/WALL MOUNTED.
 - ⊖ SES SERVICE ENTRANCE SECTION, SIZED AS SHOWN.
 - ⊖ (E) EXISTING EQUIPMENT.
 - ⊖ TELEPHONE AND/OR DATA JACK, OUTLET BOX, & CONDUIT UP TO ACCESSIBLE CEILING.
 - ⊖ DUPLEX RECEPTACLE, TELEPHONE JACK AND/OR DATA TERMINATION BOX IN FLOOR BOX. (DEVICES AS INDICATED).
 - ⊖ TMB TELEPHONE MOUNTING BOARD, WITH GROUND.
 - ⊖ FUSED OR UNFUSED DISCONNECT SAFETY SWITCH, SIZE & TYPE AS SHOWN.
 - ⊖ NEMA MOTOR STARTER, SIZE AS SHOWN.
 - ⊖ CABLE TV OUTLET, OUTLET BOX, & CONDUIT UP TO ACCESSIBLE CEILING.
 - ⊖ TIME CLOCK.
 - ⊖ FIRE ALARM SYSTEM MANUAL PULL STATION.
 - ⊖ SMOKE DETECTOR, CEILING MOUNTED BASE.
 - ⊖ DUCT SMOKE DETECTOR & ENCLOSURE MOUNTED ON DUCTWORK.
 - ⊖ STROBE ALARM, RED.
 - ⊖ HORN & STROBE ALARM, RED.
 - ⊖ FIRE ALARM CONTROL PANEL/SUPERVISORY COMMUNICATOR.
 - ⊖ UNDERGROUND (UG) CONDUIT.
 - ⊖ ABOVE GROUND CONCEALED CONDUIT.
 - ⊖ UNDERGROUND GROUND GRID RING.

- ELECTRICAL PICTURE LIST:**
- PHOTO OF THE NORTH WALL OF EXISTING BREAK ROOM. SEE PLAN SHEET 21.
 - PHOTO OF THE EAST WALL OF EXISTING BREAK ROOM. SEE PLAN SHEET 21.
 - PHOTO OF THE SOUTH WALL OF EXISTING BREAK ROOM. SEE PLAN SHEET 21.
 - PHOTO OF THE WEST WALL OF EXISTING BREAK ROOM. SEE PLAN SHEET 21.
 - PHOTO OF THE NORTH WALL OF EXISTING ELECTRICAL ROOM. SEE PLAN SHEET 21.
 - PHOTO OF THE EAST WALL OF EXISTING ELECTRICAL ROOM. SEE PLAN SHEET 21.
 - PHOTO OF THE SOUTH WALL OF EXISTING ELECTRICAL ROOM. SEE PLAN SHEET 21.
 - PHOTO OF THE WEST WALL OF EXISTING ELECTRICAL ROOM. SEE PLAN SHEET 21.
 - PHOTO OF THE NORTH WALL OF EXISTING BATHROOM. SEE PLAN SHEET 21.
 - PHOTO OF THE EAST WALL OF EXISTING BATHROOM. SEE PLAN SHEET 22.
 - PHOTO OF THE SOUTH WALL OF EXISTING BATHROOM. SEE PLAN SHEET 22.
 - PHOTO OF THE WEST WALL OF EXISTING BATHROOM. SEE PLAN SHEET 22.
 - PHOTO OF THE WEST CLOSET AT THE EXISTING BATHROOM. SEE PLAN SHEET 22.
 - PHOTO OF THE NORTH WALL OF EXISTING OFFICE. SEE PLAN SHEET 22.
 - PHOTO OF THE EAST WALL OF EXISTING OFFICE. SEE PLAN SHEET 22.
 - PHOTO OF THE SOUTH WALL OF EXISTING OFFICE. SEE PLAN SHEET 22.
 - PHOTO OF THE WEST WALL OF EXISTING OFFICE. SEE PLAN SHEET 22.
 - PHOTO OF THE NORTH WALL OF EXISTING LABORATORY ROOM. SEE PLAN SHEET 23.
 - PHOTO OF THE EAST WALL OF EXISTING LABORATORY ROOM. SEE PLAN SHEET 23.
 - PHOTO OF THE SOUTH WALL OF EXISTING LABORATORY ROOM. SEE PLAN SHEET 23.
 - PHOTO OF THE WEST WALL OF EXISTING LABORATORY ROOM. SEE PLAN SHEET 23.
 - PHOTO OF THE NORTH SIDE VIEW OF OPERATIONS BUILDING. SEE PLAN SHEET 23.
 - PHOTO OF THE EAST SIDE VIEW OF OPERATIONS BUILDING. SEE PLAN SHEET 23.
 - PHOTO OF THE SOUTH SIDE VIEW OF OPERATIONS BUILDING. SEE PLAN SHEET 23.
 - PHOTO OF THE WEST SIDE VIEW OF OPERATIONS BUILDING. SEE PLAN SHEET 23.

- EXISTING KEYNOTES:**
- EXISTING P.C.C. SIDEWALK.
 - EXISTING A.C. PAVEMENT TO REMAIN.
 - EXISTING P.C.C. CURB AND GUTTER.
 - EXISTING 6" CHAIN LINK FENCE.
 - EXISTING OPERATION BUILDING WALL.
 - EXISTING OPERATION BUILDING WINDOW.
 - EXISTING OPERATION BUILDING DOOR.
 - EXISTING ELECTRICAL SWITCH.
 - EXISTING ELECTRICAL GROUND CONNECTION.
 - EXISTING ELECTRICAL RECEPTACLE OR TELCOM OUTLET.
 - EXISTING SURFACE MOUNTED INCANDESCENT OR FLUORESCENT LIGHT FIXTURE.
 - EXISTING OVERHEAD POWER LINES.
 - EXISTING NATIVE EARTH.
 - EXISTING COMBINATION STARTER.
 - EXISTING CEILING MOUNTED RECESSED FLUORESCENT LIGHT FIXTURE, APPROXIMATE SIZE AS SHOWN.
 - EXISTING J-BOX, PULL BOX, OR ENCLOSURE.
 - EXISTING SURFACE MOUNTED CONDUIT SYSTEM.
 - EXISTING ELECTRICAL EQUIPMENT AS DESIGNATED.
 - EXISTING FIRE ALARM SYSTEM EQUIPMENT, APPLIANCE, OR DEVICE AS INDICATED.
 - EXISTING DISCONNECT, STARTER/CONTROLLER, & HVAC EQUIPMENT CONNECTION.

- DEMOLITION KEYNOTES:**
- PROTECT & MAINTAIN ALL ELECTRICAL EQUIPMENT, PANELBOARDS, DISCONNECT SWITCHES, RECEPTACLES, SWITCHES, WIRING, CONDUIT, BOXES, WIREWAYS, EQUIPMENT SUPPORTS, & ACCESSORIES WITHIN & ON THE EXISTING OPERATIONS BUILDING UNLESS OTHERWISE NOTED.
 - REMOVE & DISPOSE EXISTING LIGHT FIXTURE. PROVIDE & INSTALL NEW REPLACEMENT LIGHT FIXTURE. RECONNECT AT EXISTING LIGHTING CIRCUIT. SEE LIGHT FIXTURE SCHEDULE.
 - PROTECT & MAINTAIN EXISTING ABOVE GROUND J-BOXES AND ASSOCIATED ABOVE GROUND CONDUIT & WIRING AND ASSOCIATED UG CONDUIT & WIRING. (COORDINATE WITH CITY I.T. FOR SELECTIVE REMOVAL OF I.T. CABLING PRIOR TO WORK.)
 - PROTECT & MAINTAIN EXISTING FIRE ALARM SYSTEM INCLUDING ALL FIRE ALARM EQUIPMENT, NOTIFICATION APPLIANCES, INITIATING DEVICES, WIRING, CONDUIT, BOXES, EQUIPMENT SUPPORTS, & ACCESSORIES WITHIN & ON THE EXISTING OPERATIONS BUILDING.
 - COORDINATE & VERIFY CITY I.T. DISPOSITION OF THE EXISTING NETWORK CABINET & NETWORK EQUIPMENT & CABLING WITH CITY I.T.
 - THE EXISTING OPERATIONAL BUILDING IS FED BY A 150A/3P FEEDER BREAKER IN PANEL DP-IP LOCATED AT THE ELECTRICAL BUILDING. SEE SHEET 19 & 28. LOCATE & VERIFY EXISTING FEEDER BREAKER AT START OF WORK. SECURE OFF & LOCK OUT/TAG OUT THE EXISTING BREAKER AS NEEDED FOR APPLICABLE DEMOLITION WORK.
 - REMOVE AND DISPOSE OF ALL ELECTRICAL EQUIPMENT, DISCONNECT SWITCHES, RECEPTACLES, LIGHT FIXTURES, SWITCHES, WIRING, CONDUIT, BOXES, EQUIPMENT SUPPORTS, & ACCESSORIES WITHIN & ON THE EXISTING BATHROOM WALLS & CEILING TO BE REMOVED (SEE CIVIL).

NOTE: FOR ADDITIONAL REFERENCE, SEE SHEET E-10 OF 1995 AS-BUILT PLANS ILLUSTRATING OPERATIONS BUILDING ELECTRICAL PLANS.



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NO.	REVISIONS:	APPROVED	DATE	DESIGNED BY:	BENCHMARK:
				JRA	BM NO 1: EL 940.33'
				DRAWN BY:	BENCHMARK NUMBER 1 IS LOCATED AT THE TOP OF THE EXISTING PCC WALL AT THE SOUTHEAST CORNER OF THE AERATION BASINS. THE AERATION BASINS ARE SITUATED EAST OF THE NEWLY CONSTRUCTED MEMBRANE BUILDING. ELEVATIONS WERE OBTAINED FROM THE OCTOBER 2019 WEBB AS-BUILT PLANS.
				CHECKED BY:	
				JRA	

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PREPARED UNDER THE DIRECT SUPERVISION OF:

JRA

JAMES R. ADLER
 10/2/2025
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 R.C.E. NO.
 12/31/25
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PROJECT TITLE: CITY OF IMPERIAL - WASTEWATER TREATMENT PLANT DEMOLITION PROJECT

SHEET CONTENT: OPERATIONS BUILDING ELECTRICAL SITE PLAN

SHEET 20

OF 30 SHEETS

JOB NO. 173.138

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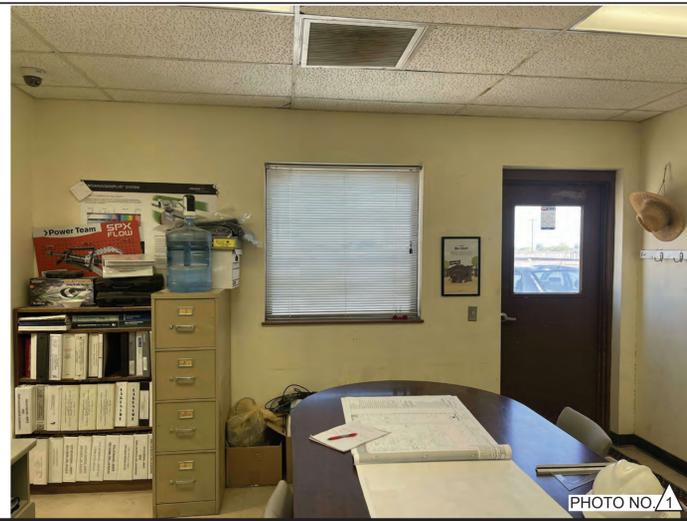


PHOTO NO. 1

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE NORTH WALL OF EXISTING BREAK ROOM.

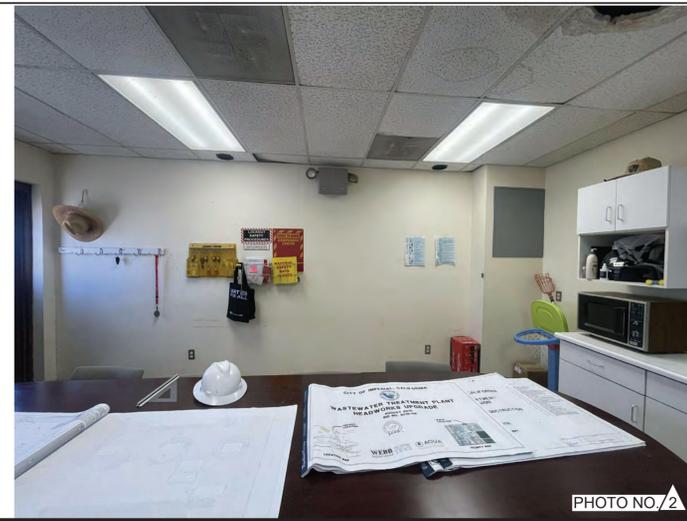


PHOTO NO. 2

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE EAST WALL OF EXISTING BREAK ROOM.



PHOTO NO. 3

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE SOUTH WALL OF EXISTING BREAK ROOM.



PHOTO NO. 4

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE WEST WALL OF EXISTING BREAK ROOM.



PHOTO NO. 5

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE NORTH WALL OF EXISTING ELECTRICAL ROOM.



PHOTO NO. 6

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE EAST WALL OF EXISTING ELECTRICAL ROOM.



PHOTO NO. 7

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE SOUTH WALL OF EXISTING ELECTRICAL ROOM.



PHOTO NO. 8

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE WEST WALL OF EXISTING ELECTRICAL ROOM.



PHOTO NO. 9

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE NORTH WALL OF EXISTING BATHROOM.

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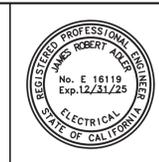
DESIGNED BY:
JRA

DRAWN BY:
STAFF

CHECKED BY:
JRA

BENCHMARK: BM NO 1: EL 940.33'

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JAMES R. ADLER
10/21/2025
DATE

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12/31/25
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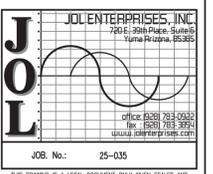
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SHEET CONTENT: OPERATIONS BUILDING INTERIOR ELECTRICAL ELEVATIONS

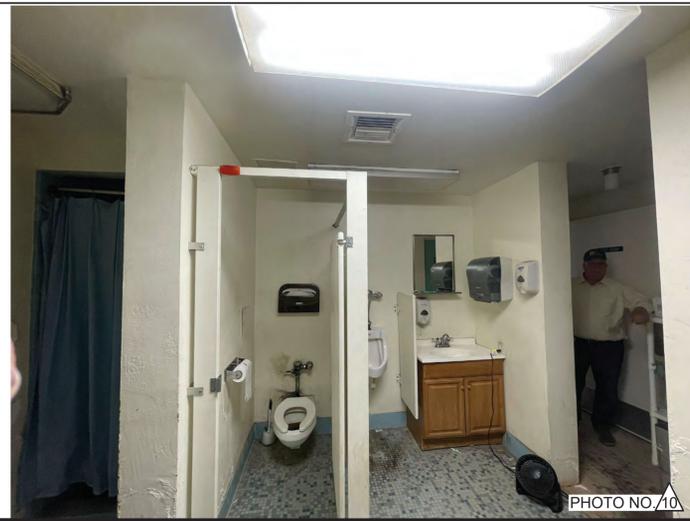
SHEET 21

OF 30 SHEETS

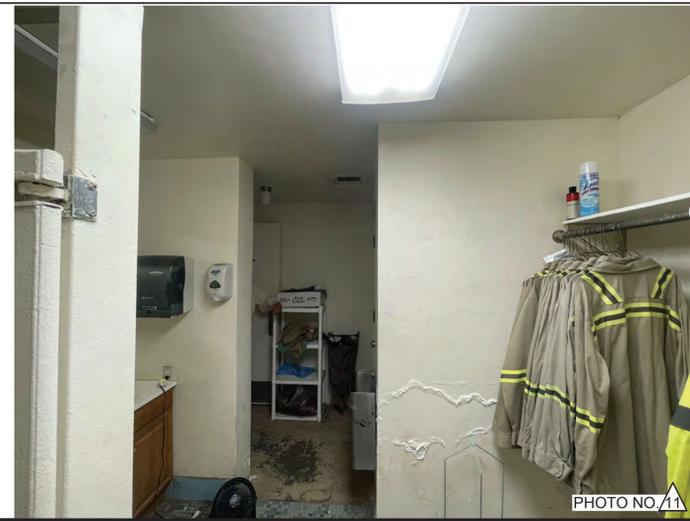
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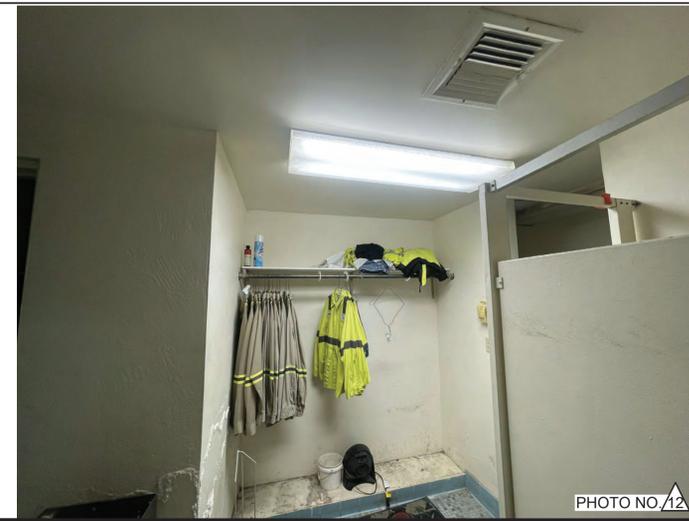
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ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE EAST WALL OF EXISTING BATHROOM.



ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE SOUTH WALL OF EXISTING BATHROOM.



ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE WEST WALL OF EXISTING BATHROOM.



ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE WEST CLOSED AT THE EXISTING BATHROOM.



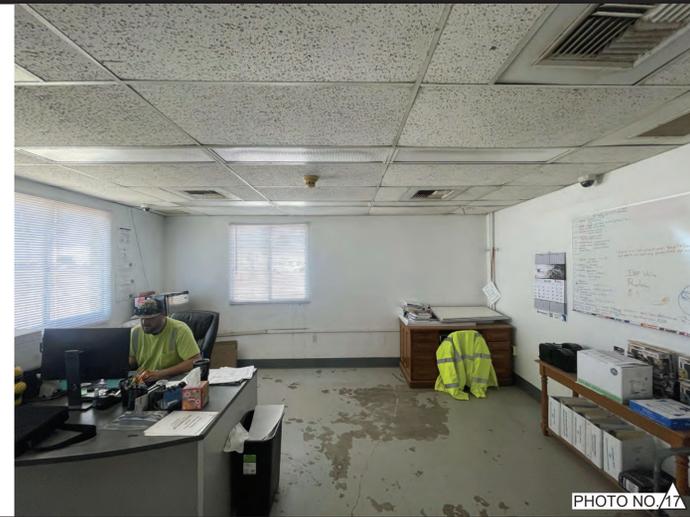
ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE NORTH WALL OF EXISTING OFFICE.



ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE EAST WALL OF EXISTING OFFICE.



ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE SOUTH WALL OF EXISTING OFFICE.



ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE WEST WALL OF EXISTING OFFICE.



ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE NORTH WALL OF EXISTING LABORATORY ROOM.

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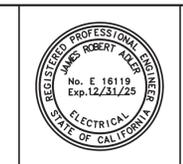
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DESIGNED BY: JRA	BENCHMARK: BM NO 1: EL 940.33'
DRAWN BY: STAFF	BENCHMARK NUMBER 1 IS LOCATED AT THE TOP OF THE EXISTING PCC WALL AT THE SOUTHEAST CORNER OF THE AERATION BASINS. THE AERATION BASINS ARE SITUATED EAST OF THE NEWLY CONSTRUCTED MEMBRANE BUILDING. ELEVATIONS WERE OBTAINED FROM THE OCTOBER 2019 WEBB AS-BUILT PLANS.
CHECKED BY: JRA	



PREPARED UNDER THE DIRECT SUPERVISION OF:

JRA
 JAMES R. ADLER
 10/21/2025
 DATE

E 16119
 R.C.E. NO.
 12/31/25
 REG. EXP.

PROJECT TITLE: CITY OF IMPERIAL – WASTEWATER TREATMENT PLANT DEMOLITION PROJECT	SHEET 22
SHEET CONTENT: OPERATIONS BUILDING INTERIOR ELECTRICAL ELEVATIONS	OF 30 SHEETS
	JOB NO. 173.138



PHOTO NO. 19

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE EAST WALL OF EXISTING LABORATORY ROOM.



PHOTO NO. 20

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE SOUTH WALL OF EXISTING LABORATORY ROOM.



PHOTO NO. 21

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE WEST WALL OF EXISTING LABORATORY ROOM.



PHOTO NO. 22

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE NORTH SIDE VIEW OF OPERATION BUILDING.



PHOTO NO. 23

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE EAST SIDE VIEW OF OPERATION BUILDING.



PHOTO NO. 24

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE SOUTH SIDE VIEW OF OPERATION BUILDING.



PHOTO NO. 25

ELECTRICAL OPERATIONS BUILDING - PHOTO OF THE WEST SIDE VIEW OF OPERATION BUILDING.



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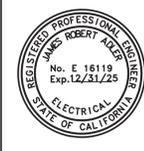
DESIGNED BY:
 JRA

DRAWN BY:
 STAFF

CHECKED BY:
 JRA

BENCHMARK: BM NO 1: EL 940.33'

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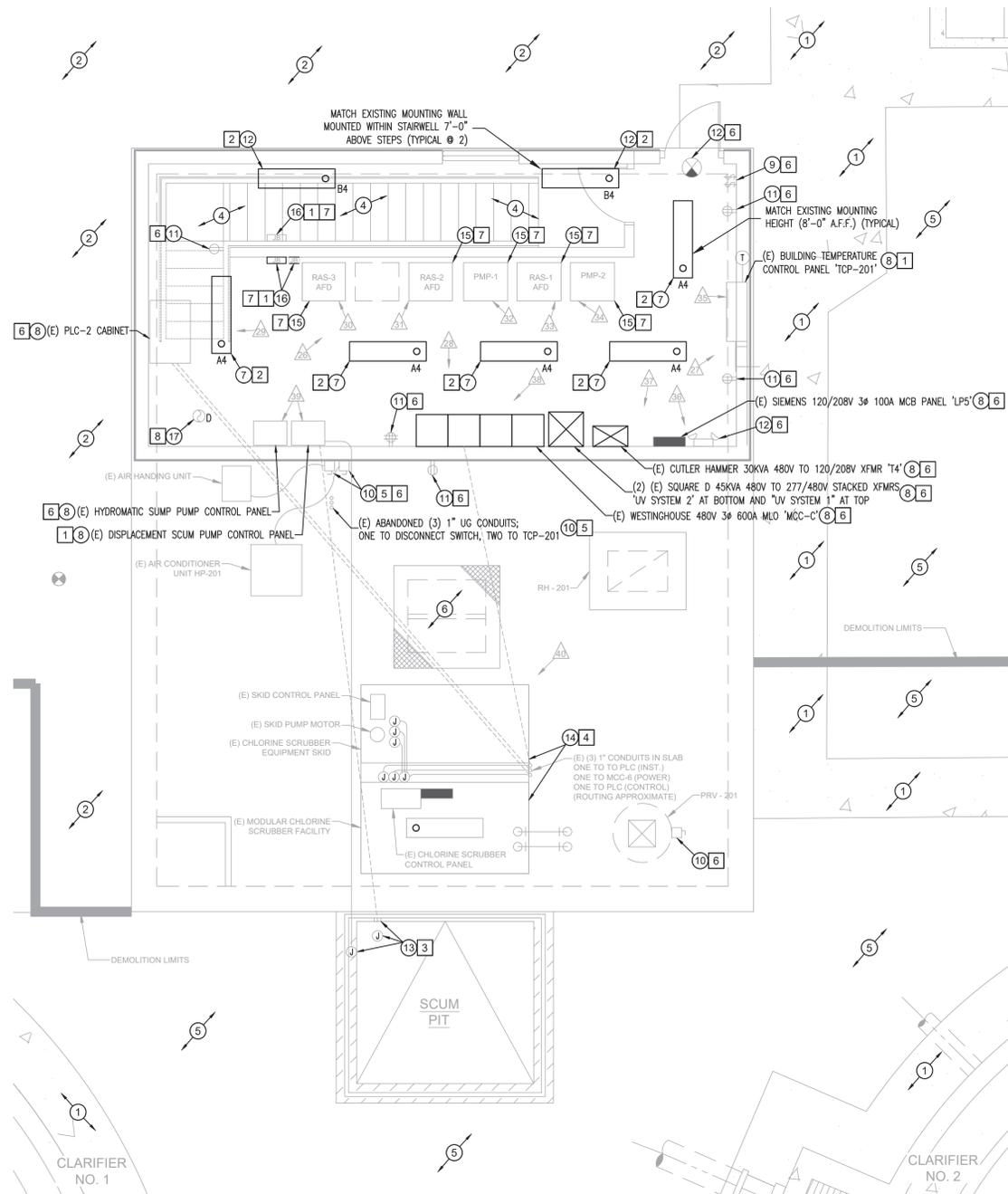
JAMES R. ADLER
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PROJECT TITLE: CITY OF IMPERIAL – WASTEWATER TREATMENT PLANT DEMOLITION PROJECT

SHEET CONTENT: OPERATIONS BUILDING INTERIOR & EXTERIOR ELECTRICAL ELEVATIONS

SHEET 23
 OF 30 SHEETS
 JOB NO. 173.138



ELECTRICAL GENERAL NOTES FOR PROJECT:

- ALL NEW MATERIALS AND WORKMANSHIP TO BE NEW AND OF FIRST RATE QUALITY. MATERIALS TO BE UL LISTED AND APPROVED. ALL NEW MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN COMPLIANCE WITH THE CURRENT ADOPTED EDITION OF THE CALIFORNIA ELECTRICAL CODE (CEC) AND ANY OTHER STATE AND LOCAL APPLICABLE CODES.
- ALL CEILING, FLOOR, AND WALL PENETRATIONS AND BOXES SHALL BE CAULKED/SEALED TO PRESERVE FIRE RATINGS AND WATER PROOF INTEGRITY. FIRESTOPPING OF PENETRATIONS IN AND THROUGH FIRE RATED FLOORS, CEILINGS & WALLS SHALL BE IN ACCORDANCE WITH IBC & UL AND AS REQUIRED BY THE FIRESTOPPING MANUFACTURER FOR THE CONSTRUCTION TYPE & FIRE RATING SPECIFIED (SEE RECORD PLAN DRAWINGS). THE FIRESTOPPING SYSTEM SHALL BE LISTED AND TESTED TO UL-1479 & ASTM E-814. INSTALL IN STRICT COMPLIANCE WITH THE MANUFACTURER INSTRUCTIONS.
- ALL NEW ELECTRICAL CONDUCTORS SHALL BE COPPER, 90 DEGREE C TEMPERATURE RATING, MINIMUM SIZE IS NO. 12 AWG. ALL WIRING SHALL BE IN CONDUIT UNLESS OTHERWISE NOTED ON THE DRAWINGS. UNDERGROUND CONDUCTORS MUST BE RATED FOR 90 DEGREE C AS DEFINED FOR "WET LOCATION" BY THE NEC UNLESS NOTED OTHERWISE.
- ALL NEW CONDUIT SHALL BE METALLIC ELECTRICAL CONDUIT UNLESS NOTED OTHERWISE ON THE DRAWINGS. MINIMUM SIZE CONDUIT IS 1/2". ALL CONDUITS AND BOXES SHALL BE CONCEALED ABOVE CEILINGS, IN WALLS OR UNDER FLOORS AS REQUIRED OR AS NOTED OTHERWISE ON THE DRAWINGS.
 - A. ALL NEW CONDUIT SHALL BE METALLIC ELECTRICAL CONDUIT UNLESS NOTED OTHERWISE ON THE DRAWINGS. MINIMUM SIZE CONDUIT IS 1/2". ALL CONDUITS AND BOXES SHALL BE CONCEALED ABOVE CEILINGS, IN WALLS OR UNDER FLOORS AS REQUIRED OR AS NOTED OTHERWISE ON THE DRAWINGS.
 - B. NEW UNDERGROUND CONDUIT SHALL BE MINIMUM OF SCHEDULE 40 PVC OR MEDIUM WALL (MW) FIBERGLASS RTRC, 90 DEGREE C. RATED WITH MINIMUM OF TRENCH COVER PER CEC TABLE 300-5. ALL UNDERGROUND JUNCTION/PULL BOXES SHALL BE RATED THE SAME AS THE ASSOCIATED CONDUIT, MINIMUM SIZE UNDERGROUND CONDUIT IS 3/4".
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF CONDUIT, WIRING, ELECTRICAL EQUIPMENT AND ASSOCIATED HARDWARE WITH THE INSTALLATION OF THE MECHANICAL EQUIPMENT AND OTHER TRADES. SEE THE CIVIL PLANS FOR EXACT LOCATIONS.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION & COORDINATION OF EXISTING SERVING ELECTRICAL TELEPHONE, & TV COMPANY SYSTEMS AND SERVICE EQUIPMENT. UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND MUST BE VERIFIED BY THE SERVING UTILITY. CONTACT WITH THE SERVING UTILITIES IS REQUIRED PRIOR TO DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR EXISTING FIELD CONDITIONS AND PROVIDING A FULL FUNCTIONING ELECTRICAL SYSTEM.
- ALL LIGHT FIXTURES, RECEPTACLE AND JUNCTION BOXES, PANEL BOARDS AND ALL OTHER METALLIC ELECTRICAL APPLIANCES AND DEVICES MUST BE GROUNDED AS REQUIRED BY SECTION 250 OF THE CALIFORNIA ELECTRICAL CODE.
- LIGHT FIXTURE SUBSTITUTIONS MUST BE OF EQUAL APPLICATION, SIZE, WEIGHT, AND APPEARANCE.
- ASBESTOS CONTAINING MATERIALS MAY BE PRESENT IN THE EXISTING STRUCTURES ON THIS PROJECT. THE CONTRACTOR SHALL TAKE APPROPRIATE SAFETY PRECAUTIONS IN ACCORDANCE WITH OSHA AND EPA REGULATIONS DURING INSTALLATION OF ELECTRICAL EQUIPMENT AND, OR REMOVAL OF EXISTING BUILDING MATERIALS WHICH MAY CONTAIN ASBESTOS. CONTRACTOR SHALL IMMEDIATELY CEASE WORK AND NOTIFY THE OWNER OF ANY MATERIALS BELIEVED TO CONTAIN ASBESTOS. WORK SHALL PROCEED ONLY UPON DIRECTION FROM THE OWNER.
- MATERIALS & INSTALLATION SHALL COMPLY WITH REQUIREMENTS FOR INSTALLATION IN SEISMIC ZONE 4/DESIGN CATEGORY D.

EXISTING KEYNOTES:

- EXISTING P.C.C. SIDEWALK, SEE CIVIL.
- EXISTING A.C. PAVEMENT TO REMAIN, SEE CIVIL.
- EXISTING P.C.C. CURB AND GUTTER, SEE CIVIL.
- EXISTING METAL STAIRS, SEE CIVIL.
- EXISTING NATIVE EARTH, SEE CIVIL.
- EXISTING ACCESS HATCH, SEE CIVIL.
- EXISTING CEILING MOUNTED FLUORESCENT LIGHT FIXTURE.
- EXISTING ELECTRICAL EQUIPMENT AS DESIGNATED.
- EXISTING ELECTRICAL SWITCH.
- EXISTING DISCONNECT, STARTER/CONTROLLER, & HVAC EQUIPMENT CONNECTION.
- EXISTING ELECTRICAL RECEPTACLE OR TELCOM OUTLET.
- EXISTING SURFACE MOUNTED INCANDESCENT OR FLUORESCENT LIGHT FIXTURE.
- EXISTING LOW VOLTAGE FLOAT SWITCHES & EXPOSED WIRING TO & IN SCUM PIT.
- EXISTING MODULAR SCRUBBER AND CHLORINE FACILITY EQUIPMENT.
- EXISTING RAS OR PUMP VFD CONTROL PANEL.
- EXISTING J-BOX, PULL BOX, OR ENCLOSURE.
- EXISTING FIRE ALARM SYSTEM EQUIPMENT, APPLIANCE, OR DEVICE AS INDICATED.

DEMOLITION KEYNOTES:

- REMOVE AND DISPOSE OF INDICATED ELECTRICAL EQUIPMENT INCLUDING ALL ASSOCIATED WIRING, CONDUIT, BOXES, WIREWAYS, EQUIPMENT SUPPORTS, & ALL ASSOCIATED ACCESSORIES.
- REMOVE & REPLACE EXISTING LIGHT FIXTURE WITH NEW EQUIVALENT LED FIXTURE AS SHOWN. RECONNECT TO EXISTING SWITCHED LIGHTING CIRCUIT. SEE LIGHT FIXTURE SCHEDULE.
- REMOVE & DISPOSE EXISTING FLOAT SWITCHES, SENSORS, BOXES, SURFACE MOUNT CONDUIT, WIRING, SUPPORTS, & ACCESSORIES. CUT OFF 1.25" UG CONDUIT AS REQUIRED BY THE DEMOLITION WORK DETAILED ON SHEET 7. ABANDON EXISTING REMAINING UG CONDUIT IN PLACE & CAP AT ELECTRICAL ROOM. PROVIDE CONDUIT LABEL OR MARKER FOR FUTURE IDENTIFICATION.
- COORDINATE ELECTRICAL DEMOLITION WORK WITHIN THE MODULAR CHLORINE SCRUBBER FACILITY IF NEEDED WITH THE GENERAL CONTRACTOR. INTERIOR EQUIPMENT INCLUDES THE SCRUBBER CONTROL PANEL, A LOAD CENTER PANEL, A CEILING MOUNTED LIGHT FIXTURE, A WINDOW AIR CONDITIONER EQUIPMENT CONNECTION, RECEPTACLES, SWITCHES, J-BOXES, OUTLET BOXES, SURFACE MOUNT CONDUIT, WIRING, & ACCESSORIES. COORDINATE ELECTRICAL DEMOLITION WORK ON THE CHLORINE SCRUBBER SKID IF NEEDED WITH THE GENERAL CONTRACTOR. SKID MOUNT EQUIPMENT INCLUDES THE SKID CONTROL PANEL, MOTOR EQUIPMENT CONNECTION, J-BOXES, OUTLET BOXES, SURFACE MOUNT CONDUIT, WIRING, & ACCESSORIES. REMOVE & DISPOSE ALL ELECTRICAL WITHIN THE MODULAR FACILITY AND ON THE SKID. REMOVE & DISPOSE SURFACE MOUNT CONDUIT & WIRING BETWEEN THE TWO FACILITIES. REMOVE WIRING TO THE ELECTRICAL ROOM. ABANDON EXISTING UG CONDUIT IN PLACE & CAP AT BOTH ENDS. PROVIDE CONDUIT LABEL OR MARKERS AT ELECTRICAL ROOM FOR FUTURE IDENTIFICATION.
- REPAIR EXISTING SURFACE MOUNT FLEX CONDUITS BETWEEN (C) DISCONNECT SWITCHES AT WALL AND THE (E) HVAC EQUIPMENT. PROVIDE ADDITIONAL CONDUIT SUPPORTS AS NEEDED TO SECURE THE CONDUITS PER CEC. REMOVE & DISPOSE ABANDONED FLEX CONDUIT & WIRING ABOVE GRADE. REMOVE WIRING TO TCP-201 AT THE ELECTRICAL ROOM. ABANDON EXISTING UG CONDUIT IN PLACE & CAP AT BOTH ENDS. PROVIDE CONDUIT LABEL OR MARKERS AT ELECTRICAL ROOM FOR FUTURE IDENTIFICATION.
- EXISTING ELECTRICAL TO REMAIN. MAINTAIN IN SERVICE & PROTECT DURING WORK.
- COORDINATE WITH CITY AND REMOVE & SALVAGE EXISTING RAS OR PUMP VFD CONTROL PANEL TO THE CITY. PACKAGE SECURELY & DELIVER UNDAMAGED EQUIPMENT TO THE CITY AT A LOCATION TO BE DETERMINED BY THE CITY. REMOVE & DISPOSE ALL RELATED WIRING, SURFACE MOUNT CONDUIT, BOXES, SUPPORTS, & ACCESSORIES. CUT OFF & CAP CONDUITS AT GRADE BELOW AND PROVIDE CONDUIT LABEL OR MARKERS FOR FUTURE IDENTIFICATION. COMPLETELY REMOVE & DISPOSE ALL ABANDONED SURFACE MOUNT CONDUITS & BOXES ASSOCIATED WITH THE RAS OR PUMP EQUIPMENT.
- THE DUCT SMOKE DETECTOR IS PART OF THE TCP-201 BUILDING TEMPERATURE CONTROL SYSTEM AND IS NOT PART OF A FIRE ALARM SYSTEM. REMOVE & DISPOSE OF INDICATED EQUIPMENT AS PART OF THE TCP-201 DEMOLITION INCLUDING ALL ASSOCIATED WIRING, CONDUIT, BOXES, WIREWAYS, EQUIPMENT SUPPORTS, & ACCESSORIES.

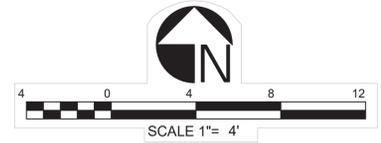
ELECTRICAL PICTURE LIST:

- PHOTO OF THE NORTH WALL OF EXISTING SLUDGE PUMP STATION UPPER FLOOR. SEE PLAN SHEET 26.
- PHOTO OF THE EAST WALL OF EXISTING SLUDGE PUMP STATION UPPER FLOOR. SEE PLAN SHEET 26.
- PHOTO OF THE SOUTH WALL OF EXISTING SLUDGE PUMP STATION UPPER FLOOR. SEE PLAN SHEET 26.
- PHOTO OF THE WEST WALL OF EXISTING SLUDGE PUMP STATION UPPER FLOOR. SEE PLAN SHEET 26.
- PHOTO OF RAS-3 ELECTRICAL PANEL AT THE NORTH WALL OF SLUDGE PUMP STATION UPPER FLOOR. SEE PLAN SHEET 26.
- PHOTO OF RAS-2 ELECTRICAL PANEL AT THE NORTH WALL OF SLUDGE PUMP STATION UPPER FLOOR. SEE PLAN SHEET 26.
- PHOTO OF NON POTABLE WATER PMP-1 ELECTRICAL PANEL AT THE NORTH WALL OF SLUDGE PUMP STATION UPPER FLOOR. SEE PLAN SHEET 26.
- PHOTO OF RAS-1 ELECTRICAL PANEL AT THE NORTH WALL OF SLUDGE PUMP STATION UPPER FLOOR. SEE PLAN SHEET 26.
- PHOTO OF NON POTABLE WATER PMP-2 ELECTRICAL PANEL AT THE NORTH WALL OF SLUDGE PUMP STATION UPPER FLOOR. SEE PLAN SHEET 26.
- PHOTO OF BUILDING TEMPERATURE CONTROL PANEL AT THE EAST WALL OF SLUDGE PUMP STATION UPPER FLOOR. SEE PLAN SHEET 27.
- PHOTO OF ELECTRICAL PANEL "LPS" AT THE SOUTH WALL OF SLUDGE PUMP STATION UPPER FLOOR. SEE PLAN SHEET 27.
- PHOTO OF BUILDING TRANSFORMER & TWO STACKED TRANSFORMERS AT THE SOUTH WALL OF SLUDGE PUMP STATION UPPER FLOOR. SEE PLAN SHEET 27.
- PHOTO OF THE MCC WITH ON/OFF HANDLES AND INDICATOR LIGHTS, LOCATED ON THE SOUTH WALL OF THE SLUDGE PUMP STATION UPPER FLOOR. SEE PLAN SHEET 27.
- PHOTO OF DISPLACEMENT PUMP AND SUMP PUMP CONTROL PANELS AT THE SOUTH WALL OF SLUDGE PUMP STATION UPPER FLOOR. SEE PLAN SHEET 27.
- PHOTO OF THE MODULAR SCRUBBER AND CHLORINE FACILITY OF EXISTING SLUDGE PUMP STATION EXTERIOR GRADE LEVEL. SEE PLAN SHEET 27.

NOTES:

- ALL ELECTRICAL WORK SHOWN IS EXISTING UNLESS OTHERWISE NOTED.
- FOR ALL ITEMS OF ELECTRICAL EQUIPMENT IDENTIFIED FOR DEMOLITION, DEMOLITION SHALL INCLUDE ALL ELECTRICAL RELATED TO THE IDENTIFIED EQUIPMENT INCLUDING FEEDER OR BRANCH CIRCUIT WIRING, CABLING, GROUNDING, CONDUIT, WIREWAY, OUTLET BOXES, SUPPORTING HARDWARE, & ACCESSORIES.
- EXISTING ELECTRICAL INDICATED TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION & LEFT IN PLACE. CLEAN/REPAIR/RESTORE THIS EXISTING ELECTRICAL TO SERVICEABLE CONDITION PRIOR TO COMPLETION OF WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL DESIGNATED ELECTRICAL DEMOLITION AT THE SLUDGE PUMP STATION BUILDING INDICATED ON THESE DRAWINGS AND THE CIVIL DRAWINGS. THESE DRAWINGS AND THE PROJECT PHOTOS ON SHEETS 26 & 27 ATTEMPT TO IDENTIFY AS MUCH EXISTING ELECTRICAL SCHEDULED FOR DEMOLITION AS FEASIBLE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM THE ORIGINAL RECORD DRAWINGS. THE CONTRACTOR WILL ALSO BE ABLE TO DO A PRE-BID SITE VISIT. CHANGE ORDERS FOR ADDITIONAL MINOR ELECTRICAL DEMOLITION ASSOCIATED WITH THE SCHEDULED DEMOLITION WORK DISCOVERED IN CONCEALED SPACES OR BEHIND FURNITURE WILL NOT BE CONSIDERED.
- EXISTING WIRING, CONDUITS & RACEWAYS ARE NOT FULLY DETAILED ON THESE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING WIRING, CONDUITS & RACEWAYS PRIOR TO WORK. GENERALLY ALL WIRING, CONDUITS & RACEWAYS CURRENTLY USED FOR EQUIPMENT IDENTIFIED TO BE REMOVED SHALL BE REMOVED & DISPOSED UNDER THIS PROJECT. GENERALLY ALL ABANDONED WIRING, CONDUITS & RACEWAYS SHALL BE REMOVED & DISPOSED UNDER THIS PROJECT. HOWEVER, ALL WIRING, CONDUITS & RACEWAYS ASSOCIATED WITH EXISTING EQUIPMENT TO REMAIN OR SPARES DESIGNATED BY OWNER SHALL BE PROTECTED AND LEFT IN PLACE.
- THE ELECTRICIAN SHALL COORDINATE, BID, AND PROVIDE ALL ELECTRICAL DEMOLITION WORK AT ANY CIVIL, MECHANICAL, OR ARCHITECTURAL DEMOLITION OR RENOVATIONS IDENTIFIED ON THE CIVIL PLANS. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE CIVIL PLANS & COORDINATING WORK RESPONSIBILITY WITH THE GENERAL CONTRACTOR & INCLUDING ALL SUCH WORK IN THE CONTRACT BID.

NOTE: FOR ADDITIONAL REFERENCE, SEE SHEET E-9 OF 1995 AS-BUILT PLANS ILLUSTRATING THE SLUDGE PUMPING STATION ELECTRICAL PLANS.



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				DRAWN BY:
				STAFF
				CHECKED BY:
				JRA

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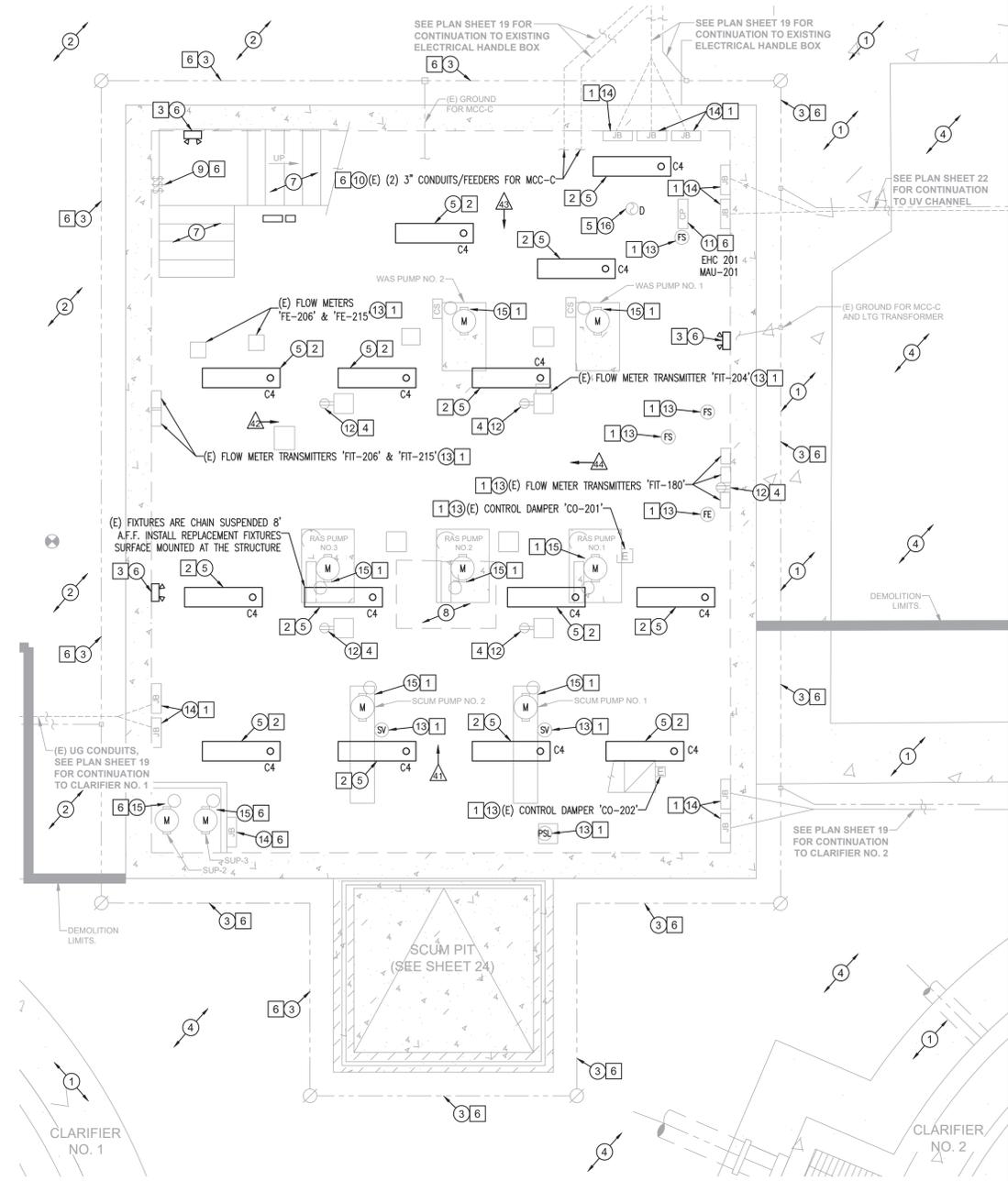
JRA

JAMES R. ADLER
 10/2/2025
 DATE

E 16119
 R.C.E. NO.
 12/31/25
 REG. EXP.

PROJECT TITLE:	CITY OF IMPERIAL – WASTEWATER TREATMENT PLANT DEMOLITION PROJECT	SHEET	24
SHEET CONTENT:	SLUDGE PUMP STATION ELECTRICAL SITE PLAN UPPER LEVEL	OF 30 SHEETS	
		JOB NO.	173.138

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FIRE ALARM NOTES:

- COORDINATE WITH AHJ AND DESIGN & PROVIDE COMPLETE SHOP DRAWINGS & DEMOLITION OF THE EXISTING OPERATING CLASS "B" FIRE ALARM/SUPERVISORY SYSTEM. NEW WORK MAY INVOLVE MINOR MODIFICATIONS TO ANOTHER EXISTING SYSTEM IF FOUND AND IF AFFECTED BY THE DEMOLITION WORK UNDER THIS PROJECT.
- CONTRACTOR SHALL VERIFY EXISTING SYSTEMS AT OPERATIONS BUILDING AND SLUDGE PUMP STATION PRIOR TO WORK.
 - THE OPERATIONS BUILDING INCLUDING THE INSTALLED FIRE ALARM/SUPERVISORY SYSTEM IS TO BE DEMOLISHED IN ITS ENTIRETY. CONTRACTOR SHALL VERIFY THAT NO OTHER BUILDINGS OR EQUIPMENT IS CONNECTED TO THE SYSTEM.
 - THE SLUDGE PUMP STATION DOES NOT APPEAR TO HAVE A FIRE ALARM SYSTEM AND INSTALLED DUCT SMOKE DETECTORS WITH THE BUILDING TEMPERATURE CONTROL PANEL DO NOT APPEAR TO BE CONNECTED TO A FIRE ALARM SYSTEM. CONTRACTOR SHALL VERIFY THIS.
- ALL WORK SHALL COMPLY WITH NFPA 72, NATIONAL FIRE ALARM CODE, AND ADA.
- SYSTEM INSTALLER SHALL MEET QUALIFICATION AND EXPERIENCE REQUIREMENTS OF NFPA 72.
- U.N.O., CONTRACTOR SHALL SUBMIT THE FOLLOWING PRIOR TO WORK:
 - INSTALLER QUALIFICATIONS AND EXPERIENCE.
 - SYSTEM DESIGN & SHOP DRAWINGS AND PROPOSED MATERIALS.
- LABEL WIRING, CONDUIT, AND EQUIPMENT PER NFPA 72.
- SEE FACP MANUFACTURER'S WIRING INFORMATION FOR SPECIFIC DETAILS FOR MODIFYING, REPROGRAMMING, OR WIRING FIRE ALARM CIRCUITS & DEVICES.
- RETEST AND RECERTIFY FIRE ALARM SYSTEM UPON COMPLETION OF MODIFICATIONS PER NFPA 72 IF APPLICABLE. COORDINATE TESTING WITH AHJ.

EXISTING KEYNOTES:

- EXISTING P.C.C. SIDEWALK ABOVE AT GRADE LEVEL.
- EXISTING A.C. PAVEMENT TO REMAIN ABOVE AT GRADE LEVEL.
- EXISTING GROUND GRID UG ELECTRICAL WIRE & BURIED GROUND RODS.
- EXISTING NATIVE EARTH ABOVE AT GRADE LEVEL.
- EXISTING CEILING MOUNTED CHAIN SUSPENDED FLUORESCENT LIGHT FIXTURE.
- EXISTING SURFACE MOUNT EMERGENCY LIGHT FIXTURE WITH BATTERY BACKUP.
- EXISTING METAL STAIRS, SEE CIVIL.
- EXISTING ACCESS HATCH, SEE CIVIL.
- EXISTING ELECTRICAL SWITCH.
- EXISTING ELECTRICAL EQUIPMENT AS DESIGNATED.
- EXISTING DISCONNECT, STARTER/CONTROLLER, AND/OR HVAC EQUIPMENT CONNECTION.
- EXISTING ELECTRICAL RECEPTACLE WITH WP COVER.
- EXISTING CONTROL OR INSTRUMENTATION EQUIPMENT.
- EXISTING J-BOX, PULL BOX, OR ENCLOSURE.
- EXISTING MOTOR, EQUIPMENT CONNECTION, WIRING, & CONDUIT.
- EXISTING FIRE ALARM SYSTEM EQUIPMENT, APPLIANCE, OR DEVICE AS INDICATED.

DEMOLITION KEYNOTES:

- REMOVE AND DISPOSE OF INDICATED ELECTRICAL EQUIPMENT INCLUDING ALL ASSOCIATED WIRING, CONDUIT, BOXES, WIREWAYS, EQUIPMENT SUPPORTS, & ALL ASSOCIATED ACCESSORIES, CUTOFF, INSTALL TRACER WIRE IF FEASIBLE, CAP, SEAL, & LABEL ABANDONED UG CONDUITS.
- REMOVE & REPLACE EXISTING LIGHT FIXTURE WITH NEW EQUIVALENT LED FIXTURE AS SHOWN. SEE LIGHT FIXTURE SCHEDULE. INSPECT & REPAIR ANY DAMAGED WIRING OR CONDUIT AND RECONNECT TO EXISTING UNSWITCHED LIGHTING CIRCUIT.
- VERIFY, INSPECT, CLEAN, REPAIR IF NEEDED, & REFURBISH EXISTING EMERGENCY LIGHT FIXTURE. REMOVE & REPLACE EXISTING BATTERIES WITH NEW BATTERIES PER THE MANUFACTURER SPECIFICATIONS. INSPECT & REPAIR ANY DAMAGED WIRING OR CONDUIT AND RECONNECT TO EXISTING UNSWITCHED LIGHTING CIRCUIT.
- VERIFY, INSPECT, & CLEAN EXISTING RECEPTACLE, OUTLET BOX, CONDUIT, & WIRING AS NEEDED. INSPECT FOR WATER INFILTRATION AND DAMAGE. SEAL RACEWAY IF NEEDED. REPLACE RECEPTACLE WITH NEW RECEPTACLE IF NEEDED. REPORT ANY OTHER DAMAGE TO OWNER IF FOUND.
- THE DUCT SMOKE DETECTOR IS PART OF THE TCP-201 BUILDING TEMPERATURE CONTROL SYSTEM AND IS NOT PART OF A FIRE ALARM SYSTEM. VERIFY WITH OWNER AND REMOVE & DISPOSE OF INDICATED EQUIPMENT AS PART OF THE TCP-201 DEMOLITION INCLUDING ALL ASSOCIATED WIRING, CONDUIT, BOXES, WIREWAYS, EQUIPMENT SUPPORTS, & ACCESSORIES.
- EXISTING ELECTRICAL TO REMAIN. MAINTAIN IN SERVICE & PROTECT DURING WORK.

LIGHT FIXTURE SCHEDULE

- A4. LED STRIP LIGHT (REPLACES EXISTING), 4,500 LUMENS, 4,000K, 120/277V, 4', LENGTH, STEEL, ACRYLIC DIFFUSE LENS, ASYMMETRIC REFLECTOR, DIMMABLE, SURFACE MOUNT (LITHONIA ZL1F-L48-ASR-4500LM-MDD-MVOLT-40K-80CRI-WH WITH ZLR-L48-ASY-WH OR EQUAL).
- B4. LED WALL BRACKET (REPLACES EXISTING), 4,000 LUMENS, 4,000K, 120/277, 4', STEEL HOUSING, IMPACT RESIST POLYCARBONATE DIFFUSER, DIMMABLE, SURFACE MOUNT, UL DAMP (LITHONIA BLWP4-40L-PDSM-EZ1-LP840 OR EQUAL).
- C4. ENCLOSED/GASKETED LED (REPLACES EXISTING), 4,000 LUMENS, 4,000K, 120/277V, 4', FIBERGLASS HOUSING, CLEAR ACRYLIC LENS, INTEGRAL DIMMING OCCUPANCY SENSOR, UL WET (LITHONIA FEM-L48-4000LM-LPACL-MD-MVOLT-GZ10-40K-80CRI-SB0R10D3V OR EQUAL).
- D13. LED FLAT PANEL, 3,300 LUMENS, 3,500K COLOR, 120/277V, 1X4, METAL FRAME, SATIN WHITE LENS, GRID MOUNT, DIMMABLE (LITHONIA CPANL-1X4-ALD1-SWW7-M4(3,300LM-35K) OR EQUAL).
- D15. LED FLAT PANEL, 4,400 LUMENS, 4,000K COLOR, 120/277V, 1X4, METAL FRAME, SATIN WHITE LENS, GRID MOUNT, DIMMABLE (LITHONIA CPANL-1X4-ALD1-SWW7-M4(4400LM-40K) OR EQUAL).
- D25. LED FLAT PANEL, 5,000 LUMENS, 3,500K COLOR, 120/277V, 2X4, METAL FRAME, SATIN WHITE LENS, GRID MOUNT, DIMMABLE (LITHONIA CPANL-2X4-ALD6-SWW7-M2(5000LM-35K) OR EQUAL).

NOTES:

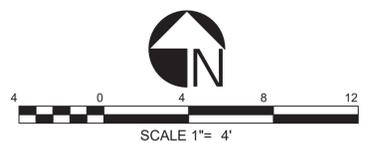
- PROVIDE 3500K TO 4000K LED LAMPS UNLESS NOTED OTHERWISE.
- PRODUCT NAME PROVIDED AS EXAMPLE ONLY. SUBSTITUTION OF EQUAL OR BETTER FIXTURES IS ACCEPTABLE. SUBSTITUTIONS SHALL BE IDENTICAL IN FUNCTION, QUALITY, AND APPEARANCE. ALL PROPOSED FIXTURES SHALL BE SUBMITTED FOR APPROVAL AFTER AWARD OF CONTRACT. PRE-APPROVALS WILL NOT BE REVIEWED. CONTRACTOR AND SUPPLIER ARE RESPONSIBLE FOR FULLY COMPLYING WITH THESE REQUIREMENTS AND PROVIDING QUALITY FIXTURES EQUAL TO OR BETTER THAN THE SAMPLE FIXTURES INDICATED.
- LUMEN RATING OF SUBSTITUTED FIXTURES SHALL BE EQUAL TO OR EXCEED THAT OF THE FIXTURE SPECIFIED.
- WATTAGE RATING OF SUBSTITUTED FIXTURES SHALL NOT EXCEED THE DESIGN WATTAGE SHOWN IN THE CALCULATIONS BY MORE THAN 10%.
- LED FIXTURES SHALL HAVE MINIMUM 5-YEAR MANUFACTURER WARRANTY.

NOTES:

- ALL ELECTRICAL WORK SHOWN IS EXISTING UNLESS OTHERWISE NOTED.
- FOR ALL ITEMS OF ELECTRICAL EQUIPMENT IDENTIFIED FOR DEMOLITION, DEMOLITION SHALL INCLUDE ALL ELECTRICAL RELATED TO THE IDENTIFIED EQUIPMENT INCLUDING FEEDER OR BRANCH CIRCUIT WIRING, CABLEING, GROUNDING, CONDUIT, WIREWAY, OUTLET BOXES, SUPPORTING HARDWARE, & ACCESSORIES.
- EXISTING ELECTRICAL INDICATED TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION & LEFT IN PLACE. CLEAN/REPAIR/RESTORE THIS EXISTING ELECTRICAL TO SERVICEABLE CONDITION PRIOR TO COMPLETION OF WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL DESIGNATED ELECTRICAL DEMOLITION AT THE SLUDGE PUMP STATION BUILDING INDICATED ON THESE DRAWINGS AND THE CIVIL DRAWINGS. THESE DRAWINGS AND THE PROJECT PHOTOS ON SHEET 28 ATTEMPT TO IDENTIFY AS MUCH EXISTING ELECTRICAL SCHEDULED FOR DEMOLITION AS FEASIBLE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM THE ORIGINAL RECORD DRAWINGS. THE CONTRACTOR WILL ALSO BE ABLE TO DO A PRE-BID SITE VISIT. CHANGE ORDERS FOR ADDITIONAL MINOR ELECTRICAL DEMOLITION ASSOCIATED WITH THE SCHEDULED DEMOLITION WORK DISCOVERED IN CONCEALED SPACES OR BEHIND FURNITURE WILL NOT BE CONSIDERED.
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ELECTRICAL PICTURE LIST:

- ▲ PHOTO OF THE NORTH WALL OF EXISTING SLUDGE PUMP STATION LOWER FLOOR. SEE PLAN SHEET 28.
- ▲ PHOTO OF THE EAST WALL OF EXISTING SLUDGE PUMP STATION LOWER FLOOR. SEE PLAN SHEET 28.
- ▲ PHOTO OF THE SOUTH WALL OF EXISTING SLUDGE PUMP STATION LOWER FLOOR. SEE PLAN SHEET 28.
- ▲ PHOTO OF THE WEST WALL OF EXISTING SLUDGE PUMP STATION LOWER FLOOR. SEE PLAN SHEET 28.



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				JRA
				DRAWN BY:
				STAFF
				CHECKED BY:
				JRA

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PREPARED UNDER THE DIRECT SUPERVISION OF:

JRA

JAMES R. ADLER
 10/23/2025
 DATE

E 16119
 R.C.E. NO.
 12/31/25
 REG. EXP.

PROJECT TITLE: CITY OF IMPERIAL - WASTEWATER TREATMENT PLANT DEMOLITION PROJECT

SHEET CONTENT: SLUDGE PUMP STATION ELECTRICAL SITE PLAN LOWER LEVEL

SHEET 25

OF 30 SHEETS

JOB NO. 173.138



PHOTO NO. 26

PHOTO OF THE NORTH WALL OF EXISTING SLUDGE PUMP STATION UPPER FLOOR.



PHOTO NO. 27

PHOTO OF THE EAST WALL OF EXISTING SLUDGE PUMP STATION UPPER FLOOR.



PHOTO NO. 28

PHOTO OF THE SOUTH WALL OF EXISTING SLUDGE PUMP STATION UPPER FLOOR.



PHOTO NO. 29

PHOTO OF THE WEST WALL OF EXISTING SLUDGE PUMP STATION UPPER FLOOR.



PHOTO NO. 30

PHOTO OF RAS-3 ELECTRICAL PANEL AT THE NORTH WALL OF SLUDGE PUMP STATION UPPER FLOOR.



PHOTO NO. 31

PHOTO OF RAS-2 ELECTRICAL PANEL AT THE NORTH WALL OF SLUDGE PUMP STATION UPPER FLOOR.



PHOTO NO. 32

PHOTO OF NON POTABLE WATER PMP-1 ELECTRICAL PANEL AT THE NORTH WALL OF SLUDGE PUMP STATION UPPER FLOOR.



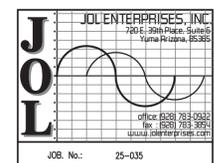
PHOTO NO. 33

PHOTO OF RAS-1 ELECTRICAL PANNEL AT THE NORTH WALL OF SLUDGE PUMP STATION UPPER FLOOR.



PHOTO NO. 34

PHOTO OF NON POTABLE WATER PMP-2 ELECTRICAL PANEL AT THE NORTH WALL OF SLUDGE PUMP STATION UPPER FLOOR.



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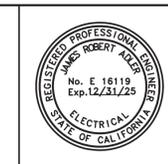
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CHECKED BY: JRA	



PREPARED UNDER THE DIRECT SUPERVISION OF:

JRA

JAMES R. ADLER
10/27/2025
DATE

E 16119
R.C.E. NO.
12/31/25
REG. EXP.

PROJECT TITLE: CITY OF IMPERIAL - WASTEWATER TREATMENT PLANT DEMOLITION PROJECT

SHEET CONTENT: SLUDGE PUMP STATION UPPER LEVEL INTERIOR ELECTRICAL ELEVATIONS

SHEET 26
OF 30 SHEETS
JOB NO. 173.138



PHOTO NO. 35

PHOTO OF BUILDING TEMPERATURE CONTROL PANEL AT THE EAST WALL OF SLUDGE PUMP STATION UPPER FLOOR.

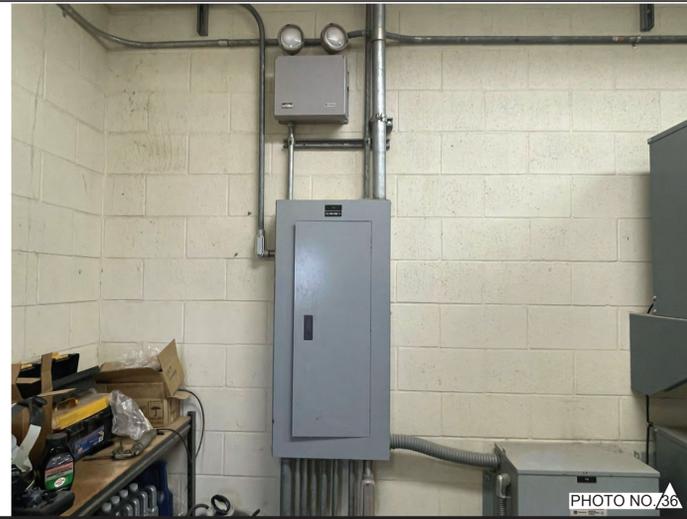


PHOTO NO. 36

PHOTO OF ELECTRICAL PANEL 'LP5' AT THE SOUTH WALL OF SLUDGE PUMP STATION UPPER FLOOR.



PHOTO NO. 37

PHOTO OF BUILDING TRANSFORMER & TWO STACKED TRANSFORMERS AT THE SOUTH WALL OF SLUDGE PUMP STATION UPPER FLOOR.



PHOTO NO. 38

PHOTO OF THE MCC WITH ON/OFF HANDLES AND INDICATOR LIGHTS, LOCATED ON THE SOUTH WALL OF THE SLUDGE PUMP STATION UPPER FLOOR.



PHOTO NO. 39

PHOTO OF DISPLACEMENT PUMP & SUMP PUMP CONTROL PANELS AT THE SOUTH WALL OF SLUDGE PUMP STATION UPPER FLOOR.



PHOTO NO. 40

PHOTO OF THE MODULAR SCRUBBER AND CHLORINE FACILITY OF EXISTING SLUDGE PUMP STATION EXTERIOR GRADE LEVEL.

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CHECKED BY: JRA	



PREPARED UNDER THE DIRECT SUPERVISION OF: JRA 10/21/2025 DATE	E 16119 R.C.E. NO. 12/31/25 REG. EXP.
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PROJECT TITLE: CITY OF IMPERIAL – WASTEWATER TREATMENT PLANT DEMOLITION PROJECT

SHEET CONTENT: SLUDGE PUMP STATION UPPER LEVEL INTERIOR & EXTERIOR ELECTRICAL ELEVATIONS

SHEET 27
 OF 30 SHEETS
 JOB NO. 173.138

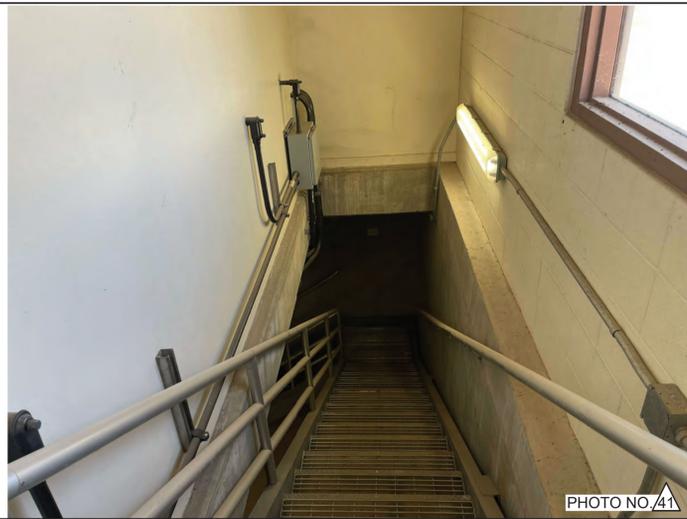


PHOTO OF THE NORTH WALL OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.



PHOTO OF THE EAST WALL OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.



PHOTO OF THE SOUTH WALL OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.

NOTES (ONE-LINE DIAGRAM):

1. PROVIDE RATED EQUIPMENT & DEVICES BY MANUFACTURER CAPABLE OF SAFELY INTERRUPTING THE AVAILABLE FAULT CURRENT.
2. PROVIDE WARNING LABELS & MARKING BY MANUFACTURER AT ALL SWITCHBOARDS, PANELBOARDS, & INDUSTRIAL CONTROL PANELS/MCC'S LIKELY TO CREATE ARC FLASH CONDITIONS AS REQUIRED BY NEC ART. 110.16.
3. LABEL & MARK MAIN SERVICE DISCONNECT(S) PER NEC. MAXIMUM OF 6 DISCONNECTS PERMITTED PER NEC.
4. TIE UFER GROUND TO BUILDING FOUNDATION PER NEC.
5. WHERE CONDUIT IS INDICATED AS OVERHEAD METAL CONDUIT, UNDERGROUND/UNDERSLAB PVC CONDUIT IS AN APPROVED ALTERNATE, & VICE VERSA.
6. INSTALL INTERSYSTEM BONDING TERMINATION BAR (ERICO OR EQUAL) PER NEC ART. 250.94 EXTERIOR TO THE BUILDING SERVICE EQUIPMENT.
7. FOR ALL NEW PANELBOARDS ON THE PROJECT, PROVIDE PERMANENT LABELS TO INDICATE SOURCE OF SUPPLY, AVAILABLE FAULT CURRENT (INDICATED ON THE ELECTRICAL ONE-LINE DIAGRAM), AND THE DATE THE CALCULATION WAS PERFORMED (DRAWING STAMPED/SEALED DATE). MARKINGS SHALL COMPLY WITH NEC/CEC 408.4(b) & 408.6.

KEY NOTES:

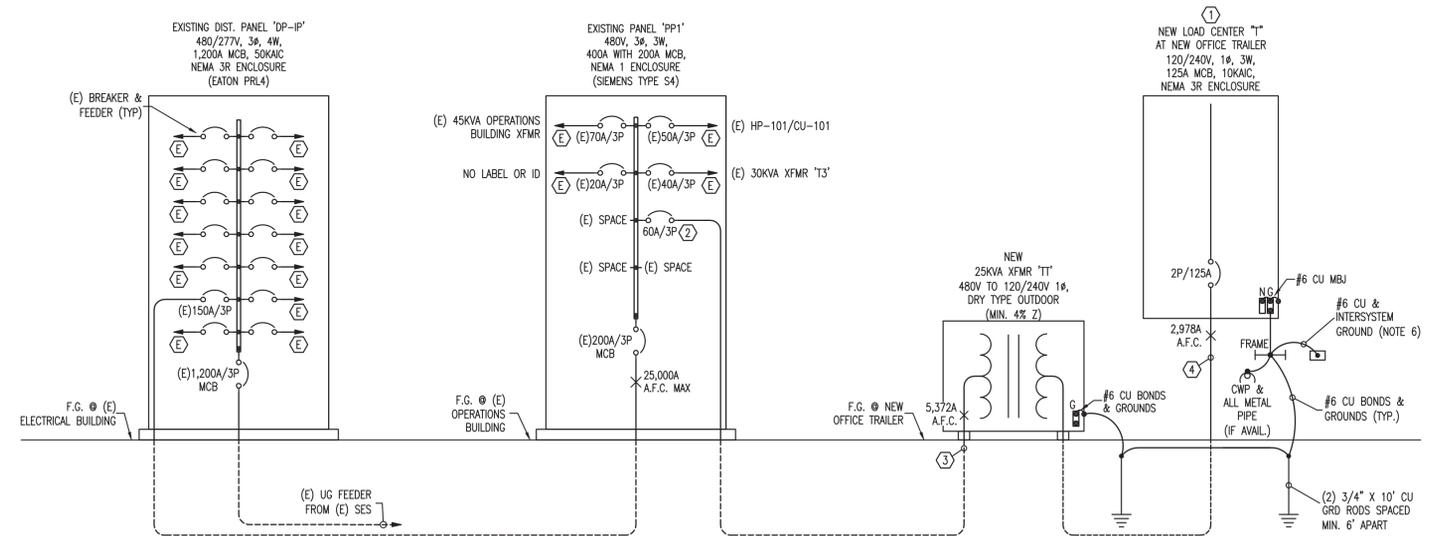
- ① MODULAR BUILDING PANEL BY MODULAR FABRICATOR/SUPPLIER (120/240V, 1φ, 3W, 125A MCB, 10KAIC, NEMA 3R).
- ② PROVIDE & INSTALL NEW FEEDER BREAKER COMPATIBLE WITH EXISTING EQUIPMENT & RATINGS AT EXISTING AVAILABLE BUSSED SPACE. CONNECT NEW FEEDER. LABEL PER SPECIFICATIONS.
- ③ (2) #4 CU XHHW-2, (1) #8 CU GRD, 1" CONDUIT.
- ④ (3) #1/0 CU THWN-2, (1) #6 CU GRD, 1 1/2" CONDUIT.
- ⑤ EXISTING FEEDER WIRE & CONDUIT TO REMAIN.



PHOTO OF THE WEST WALL OF EXISTING SLUDGE PUMP STATION LOWER FLOOR.

LOAD SUMMARY (EXISTING 400A PANEL 'PP1' AT OPERATIONS BUILDING (NOTE 1)) (AMPS @ 480V/3PH)				
EQUIPMENT	HP	QTY	LOAD	TOTAL AMPS
EXISTING 400A PANEL 'PP1' (NOTE 1)	-	-	-	-
(E) 45KVA XFMR (OPERATIONS BUILDING) (NOTE 2)	-	-	45,000 VA	-
(E) 30KVA XFMR 'T3' (OPERATIONS BUILDING) (NOTE 2)	-	-	30,000 VA	-
(E) HVAC (ESTIMATED)	-	-	24,000 VA	-
SUBTOTAL EXISTING LOAD	-	-	99,000 VA	119.1 AMPS
NEW 25KVA XFMR 'TT' & OFFICE TRAILER LOAD CENTER 'T'	-	-	-	-
LIGHTING (720SF x 1.3VA/SF)	720	-	936 VA	-
RECEPTACLES (20 x 180VA) (ESTIMATED)	-	20	3,600 VA	-
RECEPTACLES (BREAK SMALL APPLIANCES)	-	-	3,000 VA	-
MISC. FUTURE LOAD (ESTIMATED)	-	-	5,000 VA	-
WATER HEATER (ESTIMATED)	-	-	3,000 VA	-
HVAC (ESTIMATED)	-	-	7,000 VA	-
SUBTOTAL TRANSFORMER	-	-	22,536 VA	27.1 AMPS
TOTAL LOAD	-	-	121,536 VA	146.2 AMPS

- NOTES:
1. EXISTING PANEL IS RATED 400A BUT HAS A 200A MCB AND IS FED BY AN UPSTREAM 150A FEEDER BREAKER FROM 1,200A DIST. PANEL 'DP-IP'.
 2. EXISTING LOAD ASSUMES 100% OF CONNECTED TRANSFORMERS. ACTUAL LOAD WILL BE LESS DUE TO DIVERSITY OF LOADS, PREVIOUSLY REMOVED EQUIPMENT, AND EQUIPMENT TO BE REMOVED UNDER THIS PROJECT.



1
28 PARTIAL ELECTRICAL ONE-LINE DIAGRAM
(NO SCALE)

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NO.	REVISIONS:	APPROVED	DATE

UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

DESIGNED BY:
JRA
DRAWN BY:
STAFF
CHECKED BY:
JRA

BENCHMARK: BM NO 1: EL 940.33'
BENCHMARK NUMBER 1 IS LOCATED AT THE TOP OF THE EXISTING PCC WALL AT THE SOUTHEAST CORNER OF THE AERATION BASINS. THE AERATION BASINS ARE SITUATED EAST OF THE NEWLY CONSTRUCTED MEMBRANE BUILDING. ELEVATIONS WERE OBTAINED FROM THE OCTOBER 2019 WEBB AS-BUILT PLANS.

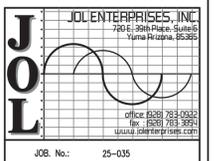


PREPARED UNDER THE DIRECT SUPERVISION OF:
JRA
JAMES R. ADLER
10/23/2025
DATE

E 16119
R.C.E. NO.
12/31/25
REG. EXP.

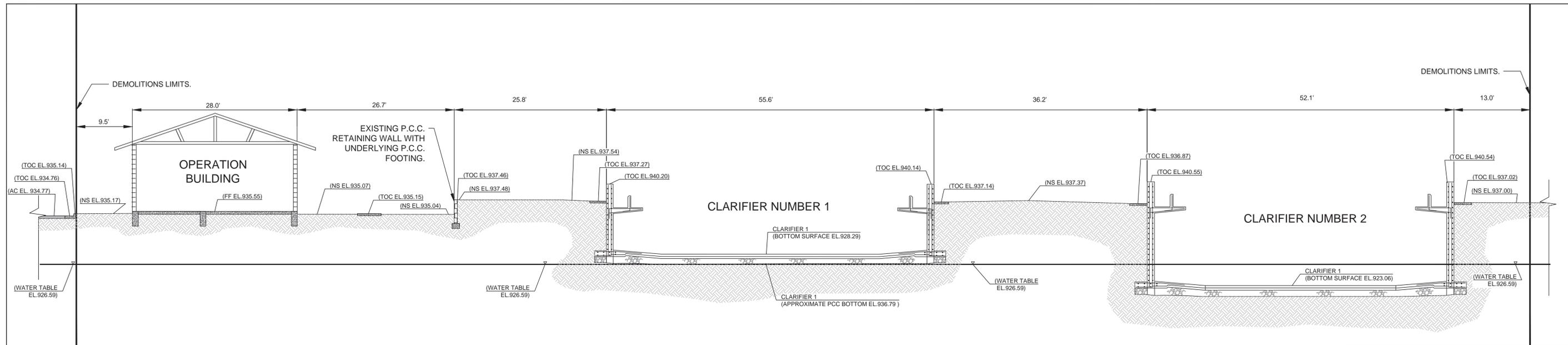
PROJECT TITLE: CITY OF IMPERIAL - WASTEWATER TREATMENT PLANT DEMOLITION PROJECT
SHEET CONTENT: SLUDGE PUMP STATION LOWER LEVEL INTERIOR ELECTRICAL ELEVATIONS

SHEET 28
OF 30 SHEETS
JOB NO. 173.138



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JOB No.: 25-035

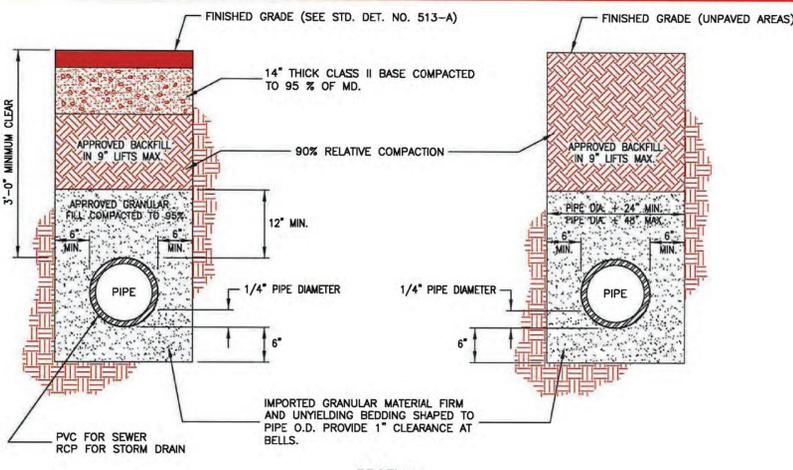
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DEMOLITION PROJECT SECTION
SCALE 1" = 8'

A-A
2/29

NOTE:
THE DEMOLITION SECTION ILLUSTRATED ON THIS PLAN SHEET ILLUSTRATES A PORTION OF THE EXISTING STRUCTURES, HORIZONTAL DIMENSIONS AND ELEVATIONS AS PRESENTLY EXIST BEFORE PROJECT DEMOLITION ACTIVITIES. SEE PLAN SHEETS 1 THROUGH 28 AND THE SPECIFICATIONS FOR DEMOLITION REQUIREMENTS.



- NOTES:**
- FOR TRENCH RESURFACING ON IMPROVED STREETS SEE CITY OF IMPERIAL STANDARD DETAIL NO. 514.
 - PIPE BEDDING AND APPROVED BACKFILL MATERIAL SHALL BE AS DETERMINED BY THE ENGINEERING DIVISION AND THE PUBLIC SERVICES DEPARTMENT AND IS SUBJECT TO MODIFICATION AND APPROVAL BY THE COMMUNITY DEVELOPMENT DIRECTOR.
 - WHERE AN APPROVED GEOGRID OR FABRIC EXISTS IN THE BASE OR ASPHALT MATERIAL, A MINIMUM OVERLAP OF 1 FOOT SHALL BE MADE OR ALTERNATELY FULL TRENCH BACKFILL RESTORATION USING EITHER A 2 SACK CEMENT SLURRY OR CLASS 2 AGGREGATE BASE MATERIAL SHALL BE REQUIRED.



UTILITY TRENCH DETAIL SHEET: 1 OF 1
IN THE CITY OF IMPERIAL, CALIFORNIA DATE: 10/10/19 DRAWN: A.A.
STD. DET. NO. 513 NOT TO SCALE REVIEWED: J.V. APPROVED: J.M.

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DESIGNED BY: FBC	BENCHMARK: BM NO 1: EL 940.33'
DRAWN BY: FBC	BENCHMARK NUMBER 1 IS LOCATED AT THE TOP OF THE EXISTING PCC WALL AT THE SOUTHEAST CORNER OF THE AERATION BASINS. THE AERATION BASINS ARE SITUATED EAST OF THE NEWLY CONSTRUCTED MEMBRANE BUILDING. ELEVATIONS WERE OBTAINED FROM THE OCTOBER 2019 WEBB AS-BUILT PLANS.
CHECKED BY: JGH	



PREPARED UNDER THE DIRECT SUPERVISION OF: JAMES G. "JACK" HOLT	31773 R.C.E. NO.
10/24/2025 DATE	12/31/26 REG. EXP.

PROJECT TITLE: CITY OF IMPERIAL - WASTEWATER TREATMENT PLANT DEMOLITION PROJECT

SHEET CONTENT: EXISTING WASTEWATER TREATMENT PLANT DEMOLITION SECTION AND DETAIL SHEET

SHEET 29
OF 30 SHEETS
JOB NO. 173.138

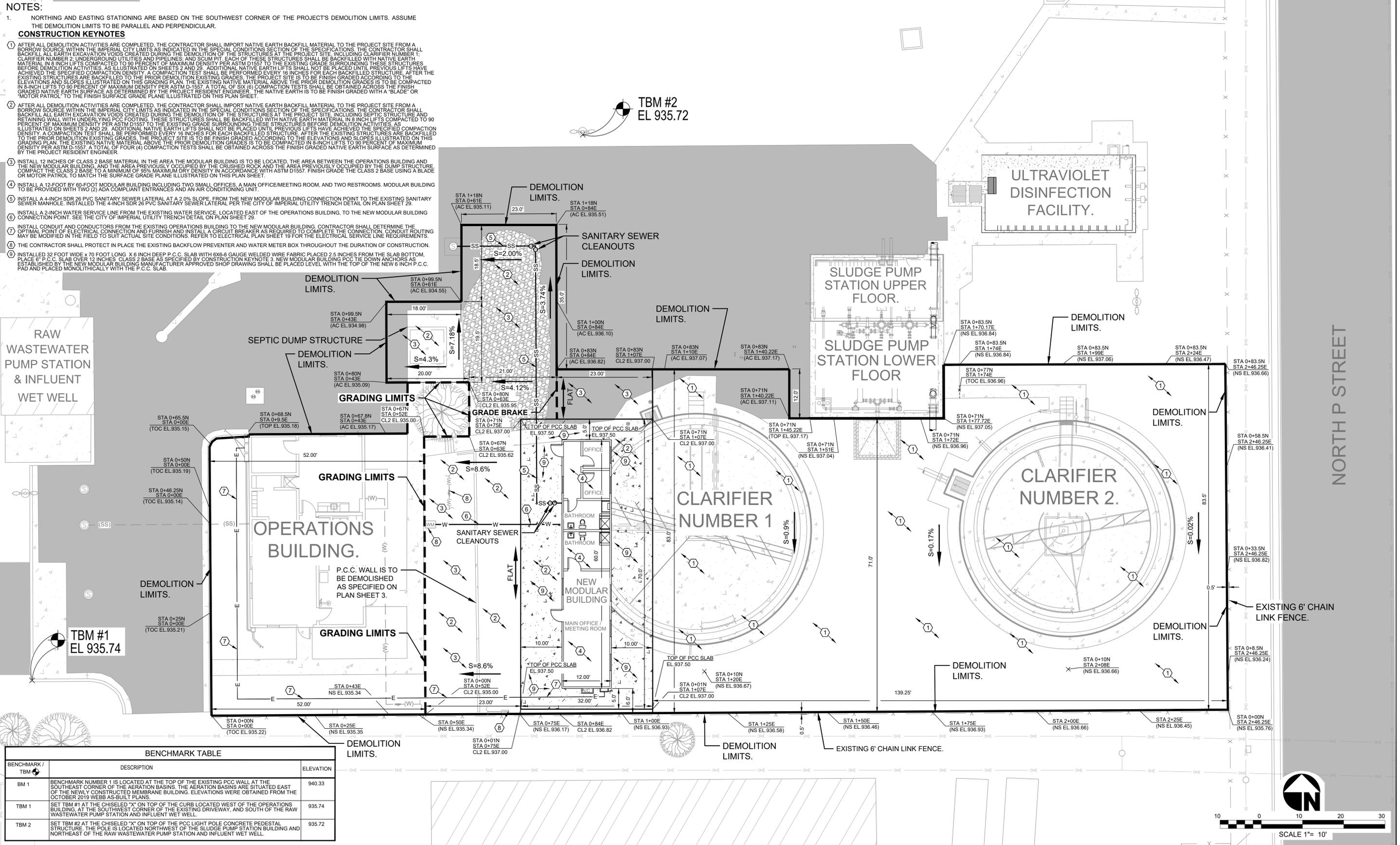
NOTES:

1. NORTHING AND EASTING STATIONING ARE BASED ON THE SOUTHWEST CORNER OF THE PROJECT'S DEMOLITION LIMITS. ASSUME THE DEMOLITION LIMITS TO BE PARALLEL AND PERPENDICULAR.

CONSTRUCTION KEYNOTES

- AFTER ALL DEMOLITION ACTIVITIES ARE COMPLETED, THE CONTRACTOR SHALL IMPORT NATIVE EARTH BACKFILL MATERIAL TO THE PROJECT SITE FROM A BORROW SOURCE WITHIN THE IMPERIAL CITY LIMITS AS INDICATED IN THE SPECIAL CONDITIONS SECTION OF THE SPECIFICATIONS. THE CONTRACTOR SHALL BACKFILL ALL EARTH EXCAVATION VOIDS CREATED DURING THE DEMOLITION OF THE STRUCTURES AT THE PROJECT SITE, INCLUDING CLARIFIER NUMBER 1, CLARIFIER NUMBER 2, UNDERGROUND UTILITIES AND PIPELINES, AND SCUM PIT. EACH OF THESE STRUCTURES SHALL BE BACKFILLED WITH NATIVE EARTH MATERIAL IN 8-INCH LIFTS COMPACTED TO 90 PERCENT OF MAXIMUM DENSITY PER ASTM D1557 TO THE EXISTING GRADE SURROUNDING THESE STRUCTURES BEFORE DEMOLITION ACTIVITIES. AS ILLUSTRATED ON SHEETS 2 AND 29, ADDITIONAL NATIVE EARTH LIFTS SHALL NOT BE PLACED UNTIL PREVIOUS LIFTS HAVE ACHIEVED THE SPECIFIED COMPACTION DENSITY. A COMPACTION TEST SHALL BE PERFORMED EVERY 16 INCHES FOR EACH BACKFILLED STRUCTURE. AFTER THE EXISTING STRUCTURES ARE BACKFILLED TO THE PRIOR DEMOLITION EXISTING GRADES, THE PROJECT SITE IS TO BE FINISH GRADED ACCORDING TO THE ELEVATIONS AND SLOPES ILLUSTRATED ON THIS GRADING PLAN. THE EXISTING NATIVE MATERIAL ABOVE THE PRIOR DEMOLITION GRADES IS TO BE COMPACTED IN 8-INCH LIFTS TO 90 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. A TOTAL OF SIX (6) COMPACTION TESTS SHALL BE OBTAINED ACROSS THE FINISH GRADED NATIVE EARTH SURFACE AS DETERMINED BY THE PROJECT RESIDENT ENGINEER. THE NATIVE EARTH IS TO BE FINISH GRADED WITH A "BLADE" OR "MOTOR PATROL" TO THE FINISH SURFACE GRADE PLANE ILLUSTRATED ON THIS PLAN SHEET.
- AFTER ALL DEMOLITION ACTIVITIES ARE COMPLETED, THE CONTRACTOR SHALL IMPORT NATIVE EARTH BACKFILL MATERIAL TO THE PROJECT SITE FROM A BORROW SOURCE WITHIN THE IMPERIAL CITY LIMITS AS INDICATED IN THE SPECIAL CONDITIONS SECTION OF THE SPECIFICATIONS. THE CONTRACTOR SHALL BACKFILL ALL EARTH EXCAVATION VOIDS CREATED DURING THE DEMOLITION OF THE STRUCTURES AT THE PROJECT SITE, INCLUDING SEPTIC STRUCTURE AND RETAINING WALL WITH UNDERLYING PCC FOOTING. THESE STRUCTURES SHALL BE BACKFILLED WITH NATIVE EARTH MATERIAL IN 8-INCH LIFTS COMPACTED TO 90 PERCENT OF MAXIMUM DENSITY PER ASTM D1557 TO THE EXISTING GRADE SURROUNDING THESE STRUCTURES BEFORE DEMOLITION ACTIVITIES. AS ILLUSTRATED ON SHEETS 2 AND 29, ADDITIONAL NATIVE EARTH LIFTS SHALL NOT BE PLACED UNTIL PREVIOUS LIFTS HAVE ACHIEVED THE SPECIFIED COMPACTION DENSITY. A COMPACTION TEST SHALL BE PERFORMED EVERY 16 INCHES FOR EACH BACKFILLED STRUCTURE. AFTER THE EXISTING STRUCTURES ARE BACKFILLED TO THE PRIOR DEMOLITION EXISTING GRADES, THE PROJECT SITE IS TO BE FINISH GRADED ACCORDING TO THE ELEVATIONS AND SLOPES ILLUSTRATED ON THIS GRADING PLAN. THE EXISTING NATIVE MATERIAL ABOVE THE PRIOR DEMOLITION GRADES IS TO BE COMPACTED IN 8-INCH LIFTS TO 90 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. A TOTAL OF FOUR (4) COMPACTION TESTS SHALL BE OBTAINED ACROSS THE FINISH GRADED NATIVE EARTH SURFACE AS DETERMINED BY THE PROJECT RESIDENT ENGINEER.
- INSTALL 12 INCHES OF CLASS 2 BASE MATERIAL IN THE AREA THE MODULAR BUILDING IS TO BE LOCATED. THE AREA BETWEEN THE OPERATIONS BUILDING AND THE NEW MODULAR BUILDING, AND THE AREA PREVIOUSLY OCCUPIED BY THE CRUSHED ROCK AND THE AREA PREVIOUSLY OCCUPIED BY THE DUMP STRUCTURE COMPACT THE CLASS 2 BASE TO A MINIMUM OF 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D1557. FINISH GRADE THE CLASS 2 BASE USING A BLADE OR MOTOR PATROL TO MATCH THE SURFACE GRADE PLANE ILLUSTRATED ON THIS PLAN SHEET.
- INSTALL A 12-FOOT BY 60-FOOT MODULAR BUILDING INCLUDING TWO SMALL OFFICES, A MAIN OFFICE/MEETING ROOM, AND TWO RESTROOMS. MODULAR BUILDING TO BE PROVIDED WITH TWO (2) ADA COMPLIANT ENTRANCES AND AN AIR CONDITIONING UNIT.
- INSTALL A 4-INCH SDR 26 PVC SANITARY SEWER LATERAL AT A 2.0% SLOPE FROM THE NEW MODULAR BUILDING CONNECTION POINT TO THE EXISTING SANITARY SEWER MANHOLE. INSTALLED THE 4-INCH SDR 26 PVC SANITARY SEWER LATERAL PER THE CITY OF IMPERIAL UTILITY TRENCH DETAIL ON PLAN SHEET 29.
- INSTALL A 2-INCH WATER SERVICE LINE FROM THE EXISTING WATER SERVICE, LOCATED EAST OF THE OPERATIONS BUILDING, TO THE NEW MODULAR BUILDING CONNECTION POINT. SEE THE CITY OF IMPERIAL UTILITY TRENCH DETAIL ON PLAN SHEET 29.
- INSTALL CONDUIT AND CONDUCTORS FROM THE EXISTING OPERATIONS BUILDING TO THE NEW MODULAR BUILDING. CONTRACTOR SHALL DETERMINE THE OPTIMAL POINT OF ELECTRICAL CONNECTION AND FURNISH AND INSTALL A CIRCUIT BREAKER AS REQUIRED TO COMPLETE THE CONNECTION. CONDUIT ROUTING MAY BE MODIFIED IN THE FIELD TO SUIT ACTUAL SITE CONDITIONS. REFER TO ELECTRICAL PLAN SHEET 19 FOR THE ELECTRICAL LINE LOCATIONS.
- THE CONTRACTOR SHALL PROTECT IN PLACE THE EXISTING BACKFLOW PREVENTER AND WATER METER BOX THROUGHOUT THE DURATION OF CONSTRUCTION.
- INSTALLED 32 FOOT WIDE X 70 FOOT LONG X 8 INCH DEEP P.C.C. SLAB WITH #X6-8 GAUGE WELDED WIRE FABRIC PLACED 2.5 INCHES FROM THE SLAB BOTTOM. PLACE 6" P.C.C. SLAB OVER 12 INCHES CLASS 2 BASE AS SPECIFIED BY CONSTRUCTION KEYNOTE 3. NEW MODULAR BUILDING P.O.C. TIE DOWN ANCHORS AS ESTABLISHED BY THE NEW MODULAR BUILDING MANUFACTURER APPROVED SHOP DRAWING SHALL BE PLACED LEVEL WITH THE TOP OF THE NEW 6 INCH P.C.C. PAD AND PLACED MONOLITHICALLY WITH THE P.C.C. SLAB.

TBM #2
EL 935.72



BENCHMARK TABLE		
BENCHMARK / TBM	DESCRIPTION	ELEVATION
BM 1	BENCHMARK NUMBER 1 IS LOCATED AT THE TOP OF THE EXISTING PCC WALL AT THE SOUTHEAST CORNER OF THE AERATION BASINS. THE AERATION BASINS ARE SITUATED EAST OF THE NEWLY CONSTRUCTED MEMBRANE BUILDING. ELEVATIONS WERE OBTAINED FROM THE OCTOBER 2019 WEBB AS-BUILT PLANS.	940.33
TBM 1	SET TBM #1 AT THE CHISELED "X" ON TOP OF THE CURB LOCATED WEST OF THE OPERATIONS BUILDING, AT THE SOUTHWEST CORNER OF THE EXISTING DRIVEWAY, AND SOUTH OF THE RAW WASTEWATER PUMP STATION AND INFLUENT WET WELL.	935.74
TBM 2	SET TBM #2 AT THE CHISELED "X" ON TOP OF THE PCC LIGHT POLE CONCRETE PEDESTAL STRUCTURE. THE PILE IS LOCATED NORTHWEST OF THE SLUDGE PUMP STATION BUILDING AND NORTHEAST OF THE RAW WASTEWATER PUMP STATION AND INFLUENT WET WELL.	935.72

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NO.	REVISIONS:	APPROVED	DATE	DESIGNED BY:	BENCHMARK:
				FBC	BM NO 1: EL 940.33'
				FBC	BENCHMARK NUMBER 1 IS LOCATED AT THE TOP OF THE EXISTING PCC WALL AT THE SOUTHEAST CORNER OF THE AERATION BASINS. THE AERATION BASINS ARE SITUATED EAST OF THE NEWLY CONSTRUCTED MEMBRANE BUILDING. ELEVATIONS WERE OBTAINED FROM THE OCTOBER 2019 WEBB AS-BUILT PLANS.
				JGH	

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PREPARED UNDER THE DIRECT SUPERVISION OF:
JAMES G. "JACK" HOLT
10/24/2025
DATE

31773
R.C.E. NO.
12/31/26
REG. EXP.

PROJECT TITLE: CITY OF IMPERIAL - WASTEWATER TREATMENT PLANT DEMOLITION PROJECT

SHEET CONTENT: GRADING PLAN AND OFFICE TRAILER INSTALLATION

SHEET 30
OF 30 SHEETS
JOB NO. 173.138

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