

ADDENDUM NO. 1
ISSUED: OCTOBER 28, 2025

PROJECT: CITY OF BENJAMIN
CID 02: WASTEWATER TREATMENT PLANT IMPROVEMENTS

BID DATE: NOVEMBER 20, 2025 @ 2:00PM

The following changes and/or additions shall be made to the Plans, Specifications, and Contract Documents for the above referenced project. Bidder shall acknowledge receipt of this Addendum by signing below and returning this Addendum with the Bid.

1) PLAN SHEETS

The following plan sheets are attached to this Addendum and shall be included in the construction plan set:

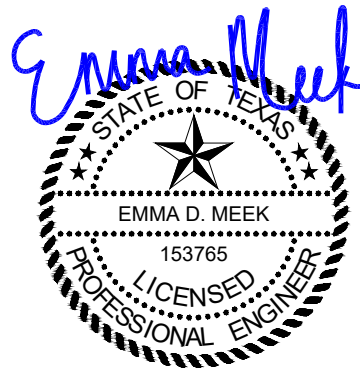
- Sheet 07 "ELECTRICAL SITE PLAN"
- Sheet 08 "ELECTRICAL RISER DIAGRAM AND SCHEDULES"
- Sheet 09 "ELECTRICAL DETAILS"

Bidder's Acknowledgment

Date

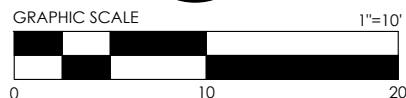
Prepared by:

JACOB | MARTIN
TBPE Firm No. 2448



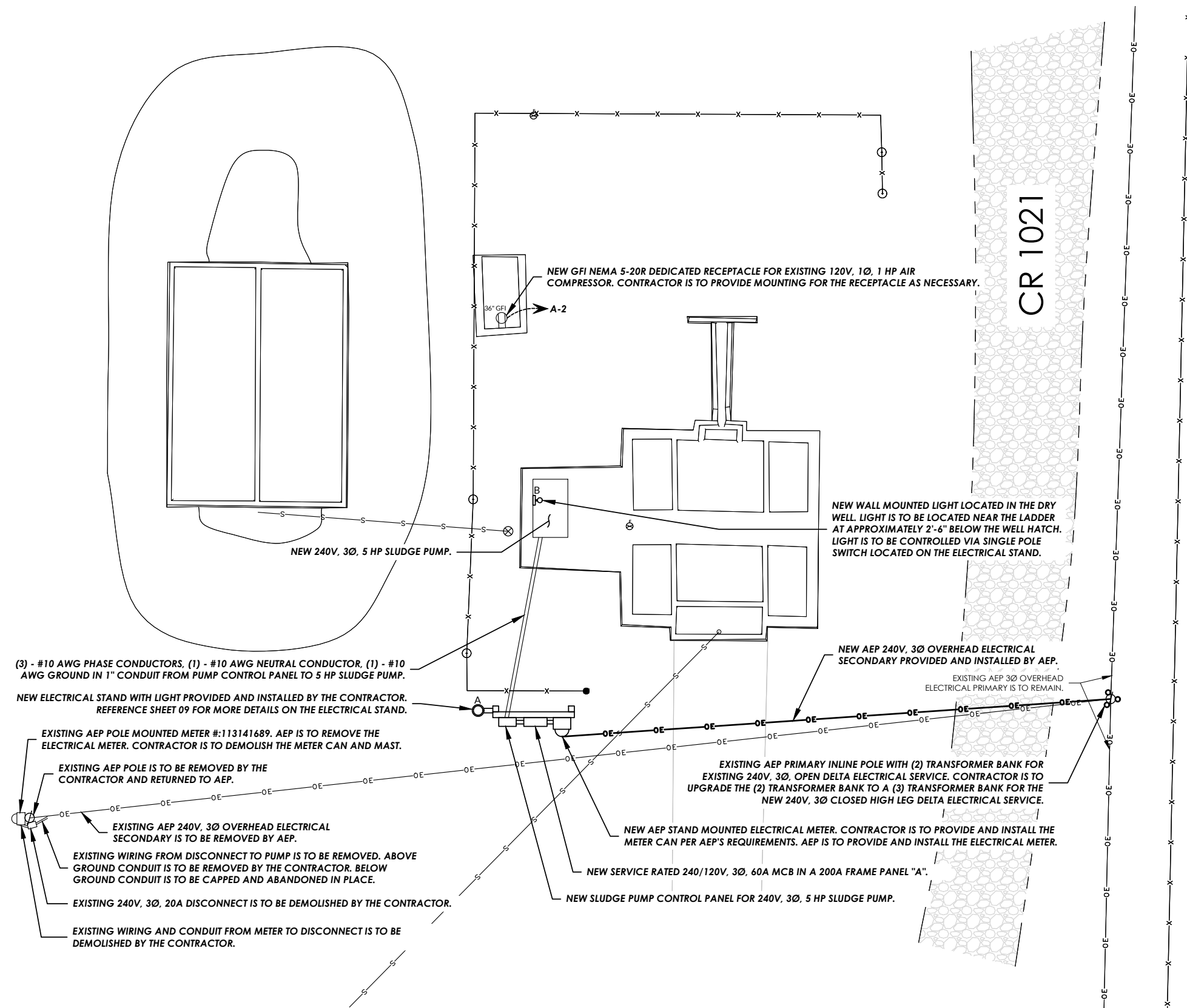
10/28/2025

X:\CI_Benjamin\23102 - 2023-24 CDBG Fund - Benjamin\Drafting\Plans\E_Electrical\07 ELECTRICAL SITE PLAN.dwg

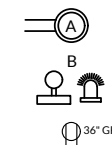


ELECTRICAL SITE PLAN NOTES:

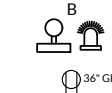
1. CONTRACTOR IS RESPONSIBLE TO COORDINATING WITH AEP FOR THE UPGRADED ELECTRICAL SERVICE (CONTACTING THE CALL CENTER TO CREATE A SERVICE ORDER) AND SCHEDULE ANY REQUIRED INSPECTIONS WITH AEP. CONTACT PERSON FOR AEP IS MICHAEL MORRIS, PHONE NUMBER: (940)-345-0164, EMAIL: MWMORRIS@AEP.COM.
2. CONTRACTOR IS TO VERIFY THE BREAKER SIZE OF THE SLUDGE PUMP CONTROL PANEL WITH THE PANEL MANUFACTURER AND ADJUST THE WIRING (FROM PANEL "A" TO THE CONTROL PANEL AND CONTROL PANEL TO PUMP), CONDUIT, AND BREAKER IN PANEL "A" AS NECESSARY PER NEC CODE.
3. CONTRACTOR IS TO PROVIDE AND INSTALL JUNCTION BOXES, CONDUIT SUPPORTS, ETC. FOR THE SLUDGE PUMP WIRING AND CONDUIT AS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
4. REFERENCE ELECTRICAL RISER DIAGRAM SHEET 08 FOR WIRE AND CONDUIT SIZES NOT SHOWN ON THIS PLAN.



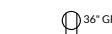
ELECTRICAL LEGEND



NEW LED STAND LIGHT PER SCHEDULE



NEW DRY WELL LIGHT PER SCHEDULE



NEW GFI DUPLEX RECEPTACLE MOUNTED AT 36" A.F.F.

E NEW CONDUIT AS NOTED ON THE PLANS

- EXISTING OVERHEAD ELECTRICAL

- NEW OVERHEAD ELECTRICAL



EXISTING POWER POLE

PANEL 2

BREAKER #

A-1,3

HOMERLIN

NOTE: X DENOTES FIXTURES SCHEDULE DESIGNATION

EXISTING SEWER LINE. REFERENCE CIVIL PLANS

EXISTING GATE VALVE, REFERENCE CIVIL PLANS

- EXISTING WIRE FENCE. REFERENCE CIVIL PLANS

GENERAL ELECTRICAL NOTES:

1. ALL ELECTRICAL COMPONENTS OF THIS PROJECT SHALL COMPLY WITH NFPA 70 - NATIONAL ELECTRICAL CODE: MOST RECENT EDITION ADOPTED BY AUTHORITY HAVING JURISDICTION, INCLUDING ALL APPLICABLE AMENDMENTS AND SUPPLEMENTS.
2. ALL CIRCUITS SHALL BE A MINIMUM SIZE OF 12 GAUGE AND A MINIMUM 3/4" CONDUIT.
3. ALL CIRCUITS SHALL CONTAIN A GROUND WIRE.
4. EACH CIRCUIT SHALL CONTAIN ITS OWN NEUTRAL WIRE. NO NEUTRAL SHARING SHALL BE ALLOWED.
5. ALL CONDUCTORS SHALL BE COPPER UNLESS OTHERWISE SHOWN ON PLAN. USE THHW, THW, THWN, OR XHHW.
6. ALL NEW INTERIOR CIRCUITS SHALL BE RAN IN EMT OR GRC CONDUIT EXPOSED. HOLD CIRCUITS TIGHT TO CEILINGS AND WALLS. DO NOT SUPPORT OFF PIPING OR DUCTWORK. CONDUIT SHALL BE RAN PARALLEL TO BUILDING ELEMENTS AND SHALL BE WELL SUPPORTED.
7. CLEAR, READABLE PANEL DIRECTORIES ARE REQUIRED FOR ALL PANELS.
8. LABEL ALL NEW PANELS, TRANSFORMERS, & DISCONNECT SWITCHES WITH ENGRAVED PLASTIC SIGNS, RED BACKGROUND WITH WHITE LETTERS. USE MINIMUM SIZE OF 4"x2". SCREW OR RIVET TO PANEL. SIGN NEEDS TO GIVE PANEL NAME, AMPERAGE, VOLTAGE, & PHASE.
9. ELECTRICAL DESIGN PROVIDES A NUMBER OF BRANCH CIRCUITS, PHASES, AMPACITY, AND OVERCURRENT PROTECTION CONFORMING TO MANUFACTURER'S SPECIFICATIONS AVAILABLE AT TIME OF DESIGN. IF REQUIREMENTS OF EQUIPMENT ACTUALLY PROVIDED UNDER CONTRACT FOR CONSTRUCTION ARE DIFFERENT, CONTRACTOR SHALL MAKE ALL CHANGES REQUIRED. SUCH CHANGES MAY INCLUDE, BUT ARE NOT LIMITED TO: SIZE OF WIRES, SIZE OF CONDUIT, NUMBER, TYPE AND SIZE OF CIRCUIT BREAKERS, FUSE PROTECTION AND ADDITIONAL DISCONNECT SWITCHES. CONTRACTOR SHALL VERIFY ALL EQUIPMENT SIZES PRIOR TO INSTALLATION OF CONDUIT AND WIRING.
10. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF EXISTING UTILITIES AND EQUIPMENT PRIOR TO CONSTRUCTION. COORDINATE THE LOCATIONS OF ALL ELECTRICAL EQUIPMENT, DEVICES, FIXED EQUIPMENT, ETC. WITH THE OWNER PRIOR TO ROUGH-IN-WORK. CONTRACTOR IS RESPONSIBLE TO REPAIR ANY DAMAGE TO UTILITIES OR EQUIPMENT, WHETHER SHOWN ON THESE PLANS OR NOT.
11. CONTRACTOR SHALL PROVIDE SUITABLE MATERIALS AND CONSTRUCTION METHODS TO PREVENT DAMAGE TO CONDUIT SWEEPS RESULTING FROM INSTALLATION OF LARGE CONDUCTORS.
12. PROVIDE GRAY SWITCHES AND OUTLETS WITH STAINLESS STEEL COVERS IN METAL ELECTRICAL BOXES FOR INDUSTRIAL APPLICATIONS. WHITE SWITCHES AND OUTLETS WITH WHITE COVERS SHOULD BE PROVIDED IN COMMERCIAL BUILDINGS.
13. CONTRACTOR IS TO MAINTAIN 3' MINIMUM WORKING SPACE IN FRONT OF ELECTRICAL EQUIPMENT PER NEC CODE. CONTRACTOR IS TO REFERENCE NEC TABLE 110.26(A)(1) FOR ADDITIONAL CLEARANCE REQUIREMENTS AND ADJUST AS NECESSARY.
14. CONTRACTOR IS TO PROVIDE AND INSTALL PVC SCHEDULE 40 CONDUIT BELOW GRADE. BELOW GRADE CONDUIT IS TO BE A MINIMUM OF 24" DEEP UNLESS NOTED OTHERWISE ON THE PLANS. GALVANIZED RIGID CONDUIT (GRC) IS TO BE USED FOR INSTALLATIONS TO ELECTRICAL EQUIPMENT ABOVE GRADE. CONTRACTOR IS TO TRANSITION FROM PVC TO GRC CONDUIT AT 12" BELOW GRADE.



10/24/25

ISSUED FOR CONSTRUCTION

JACOB

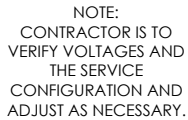
TBPE FIRM # 2448	TBAE FIRM # BR 2261	TBPELS FIRM # 10194493
---------------------	------------------------	---------------------------

CITY OF BENJAMIN

WWTP IMPROVEMENTS

ELECTRICAL SITE PLAN

[illegible]



ON A 4 WIRE DELTA CONNECTION, THE PHASE HAVING THE HIGHEST VOLTAGE TO GROUND (HIGH LEG OR WILD LEG) MUST BE CONNECTED TO THE RIGHT HAND TERMINALS OF THE METER SOCKET. IN OTHER LOCATIONS, SUCH AS SERVICE ENCLOSURES, DISCONNECTS, ETC. THE "HIGH LEG" IS CONNECTED TO THE CENTER TERMINAL.

N.T.S.



Notes:

1. Contractor is to verify the breaker size with the sludge pump control panel manufacturer and adjust the breaker size in this panel, wiring, and conduit as necessary per NEC code.
2. Contractor is to provide and install the breaker only for these loads. No wiring or conduit is to be installed for these loads as part of this project.

LIGHTING FIXTURE SCHEDULE

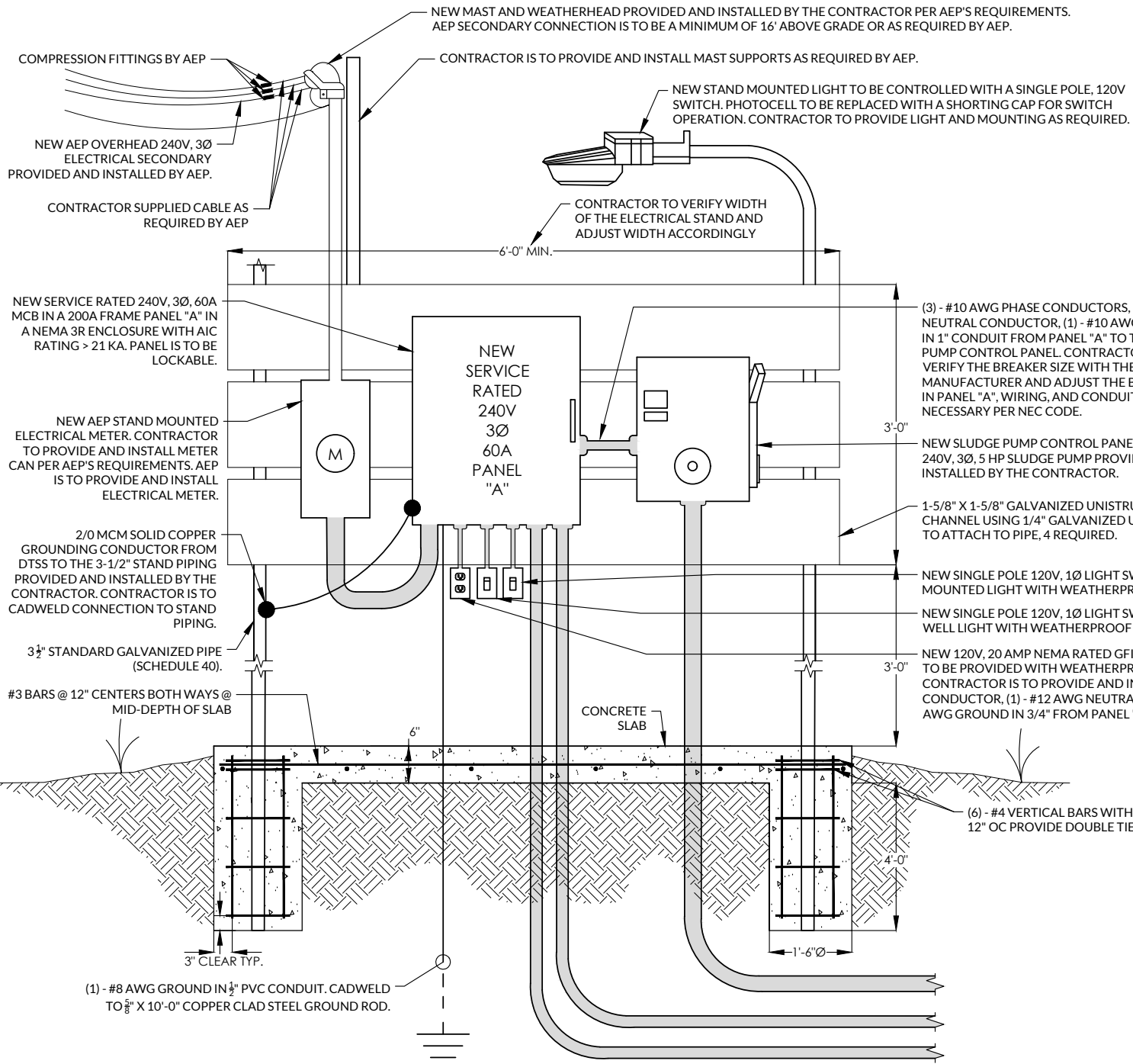
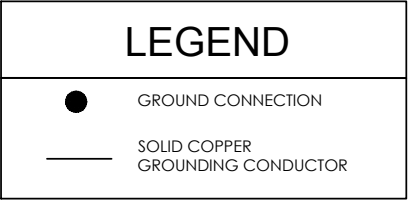
FIXTURE MARK	MANUFACTURER & CATALOG NUMBER	QUANTITY	TYPE	LAMPS BULBS	VOLTAGE	SUPPORT	NOTES
A	COOPER MODEL #: ALP90LSFUNVDGY	1	EXTERIOR AREA LIGHT	LED	UNV	POLE MOUNTED	CONTRACTOR IS TO PROVIDE AND INSTALL COOPER CURVED MOUNT MODEL #: EA24 AS REQUIRED FOR MOUNTING. CONTRACTOR IS TO PROVIDE AND INSTALL A SHORTING CAP FOR THE PHOTOCCELL TO OPERATE VIA SINGLE POLE SWITCH.
B	COOPER MODEL #: VT0840L	1	LED DRY WELL LIGHT	LED	UNV	WALL MOUNTED	LIGHT IS TO BE MOUNTED NEAR THE DRY WELL LADDER AT APPROXIMATELY 2'-6" BELOW THE WELL HATCH. LIGHT IS TO BE CONTROLLED VIA STAND MOUNTED SINGLE POLE SWITCH.

- 1 EXISTING AEP OVERHEAD 3Ø ELECTRICAL PRIMARY IS TO REMAIN.
- 2 EXISTING AEP PRIMARY INLINE POLE WITH (2) TRANSFORMER BANK FOR EXISTING 240V, 3Ø, OPEN DELTA ELECTRICAL SERVICE. CONTRACTOR IS TO UPGRADE THE (2) TRANSFORMER BANK TO A (3) TRANSFORMER BANK FOR THE NEW 240V, 3Ø CLOSED HIGH LEG DELTA ELECTRICAL SERVICE.
- 3 EXISTING AEP 240V, 3Ø OVERHEAD ELECTRICAL SECONDARY IS TO BE REMOVED BY AEP.
- 4 EXISTING AEP POLE IS TO BE REMOVED BY THE CONTRACTOR AND RETURNED TO AEP.
- 5 EXISTING AEP POLE MOUNTED METER #:113141689. AEP IS TO REMOVE THE ELECTRICAL METER. CONTRACTOR IS TO DEMOLISH THE METER CAN AND MAST.
- 6 EXISTING WIRING AND CONDUIT BETWEEN METER AND DISCONNECT IS TO BE DEMOLISHED BY THE CONTRACTOR.
- 7 EXISTING 240V, 3Ø, 20A POLE MOUNTED DISCONNECT IS TO BE DEMOLISHED BY THE CONTRACTOR.
- 8 EXISTING WIRING FROM DISCONNECT TO PUMP IS TO BE REMOVED. ABOVE GROUND CONDUIT IS TO BE REMOVED BY THE CONTRACTOR. BELOW GROUND CONDUIT IS TO BE CAPPED AND ABANDONED IN PLACE.
- 9 NEW ELECTRICAL STAND PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR IS TO VERIFY THE WIDTH OF THE ELECTRICAL STAND AND ADJUST AS NECESSARY. REFERENCE SHEET 09 FOR MORE DETAILS ON THE ELECTRICAL STAND AND STAND MOUNTED EQUIPMENT.
- 10 NEW AEP STAND MOUNTED ELECTRICAL METER. CONTRACTOR IS TO PROVIDE AND INSTALL THE METER CAN PER AEP'S REQUIREMENTS. AEP IS TO PROVIDE AND INSTALL THE ELECTRICAL METER.
- 11 (3) - #4 AWG PHASE CONDUCTORS, (1) - #4 AWG NEUTRAL CONDUCTOR IN 1-1/4" CONDUIT FROM METER TO PANEL "A".
- 12 (1) - #8 AWG GROUND IN 1/2" PVC CONDUIT. CADWELD TO 5/8" X 10'-0" COPPER CLAD STEEL GROUND ROD.
- 13 NEW SERVICE RATED 240V, 3Ø, 60A MCB IN A 200A FRAME PANEL "A". BOND NEUTRAL TO GROUND IN THIS PANEL.
- 14 NEW STAND MOUNTED TYPE "A" LIGHT PER LIGHTING SCHEDULE. REFERENCE ELECTRICAL STAND DETAILS SHEET 09 FOR MORE INFORMATION ON THE LIGHT AND LIGHT CONTROLS.
- 15 (3) - #10 AWG PHASE CONDUCTORS, (1) - #10 AWG NEUTRAL CONDUCTOR, (1) - #10 AWG GROUND IN 1" CONDUIT FROM PANEL "A" TO THE SLUDGE PUMP CONTROL PANEL. CONTRACTOR IS TO VERIFY THE BREAKER SIZE WITH THE PANEL MANUFACTURER AND ADJUST THE BREAKER SIZE IN PANEL "A", WIRING, AND CONDUIT AS NECESSARY PER NEC CODE.
- 16 NEW SLUDGE PUMP CONTROL PANEL TO CONTROL 240V, 3Ø, 5 HP SLUDGE PUMP PROVIDED AND INSTALLED BY THE CONTRACTOR.
- 17 (3) - #10 AWG PHASE CONDUCTORS, (1) - #10 AWG NEUTRAL CONDUCTOR, (1) - #10 AWG GROUND IN 1" CONDUIT FROM SLUDGE PUMP CONTROL PANEL TO THE 5 HP SLUDGE PUMP. CONTRACTOR IS TO VERIFY THE BREAKER SIZE WITH THE PANEL MANUFACTURER AND ADJUST THE BREAKER SIZE IN PANEL "A", WIRING, AND CONDUIT AS NECESSARY PER NEC CODE.
- 18 (1) - #12 AWG PHASE CONDUCTOR, (1) - #12 AWG NEUTRAL CONDUCTOR, (1) - #12 AWG GROUND IN 3/4" CONDUIT FROM PANEL "A" TO THE AIR COMPRESSOR RECEPTACLE. CONTRACTOR IS TO VERIFY THE CONDUIT ROUTE AND ADJUST AS NECESSARY.
- 19 (1) - #12 AWG PHASE CONDUCTOR, (1) - #12 AWG NEUTRAL CONDUCTOR, (1) - #12 AWG GROUND IN 3/4" CONDUIT FROM PANEL "A" TO THE DRY WELL LIGHT. CONTRACTOR IS TO VERIFY THE CONDUIT ROUTE AND ADJUST AS NECESSARY.

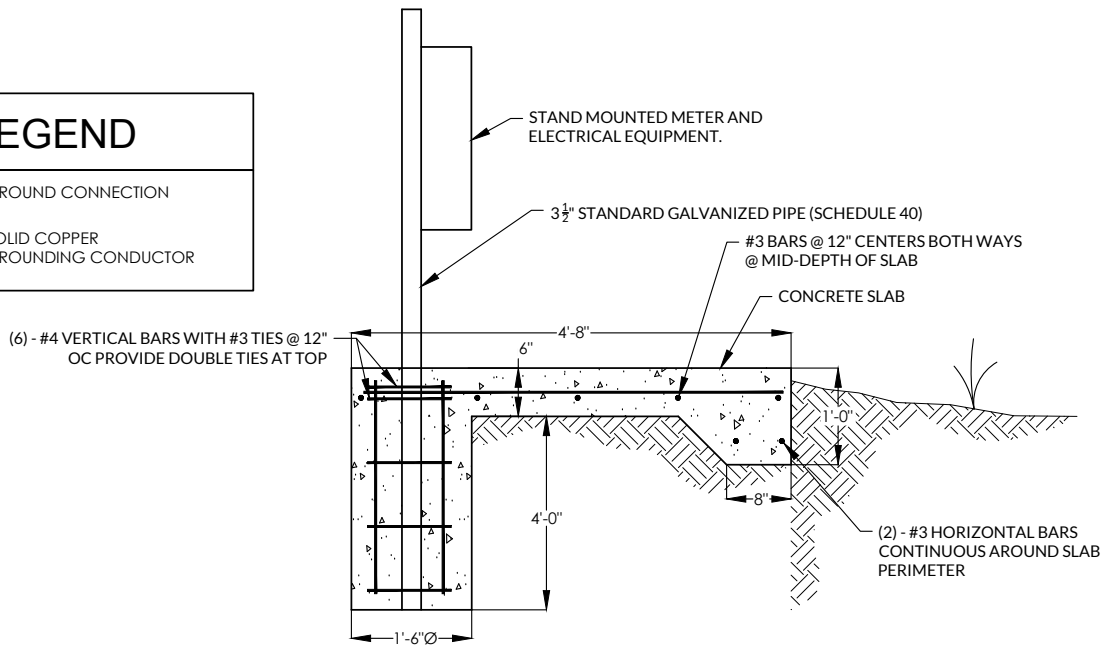
X:\OL_Benjamin\23102 - 2023-24 CDBG Fund - Benjamin\Drafting\Plans\Electrical\09 ELECTRICAL STAND DETAILS.dwg
Saved By: carpenter
Save Time: 10/14/2025 5:27 PM
Plotted by: cole carpenter
Plot Date: 10/14/2025 5:28 PM

ELECTRICAL STAND NOTES:

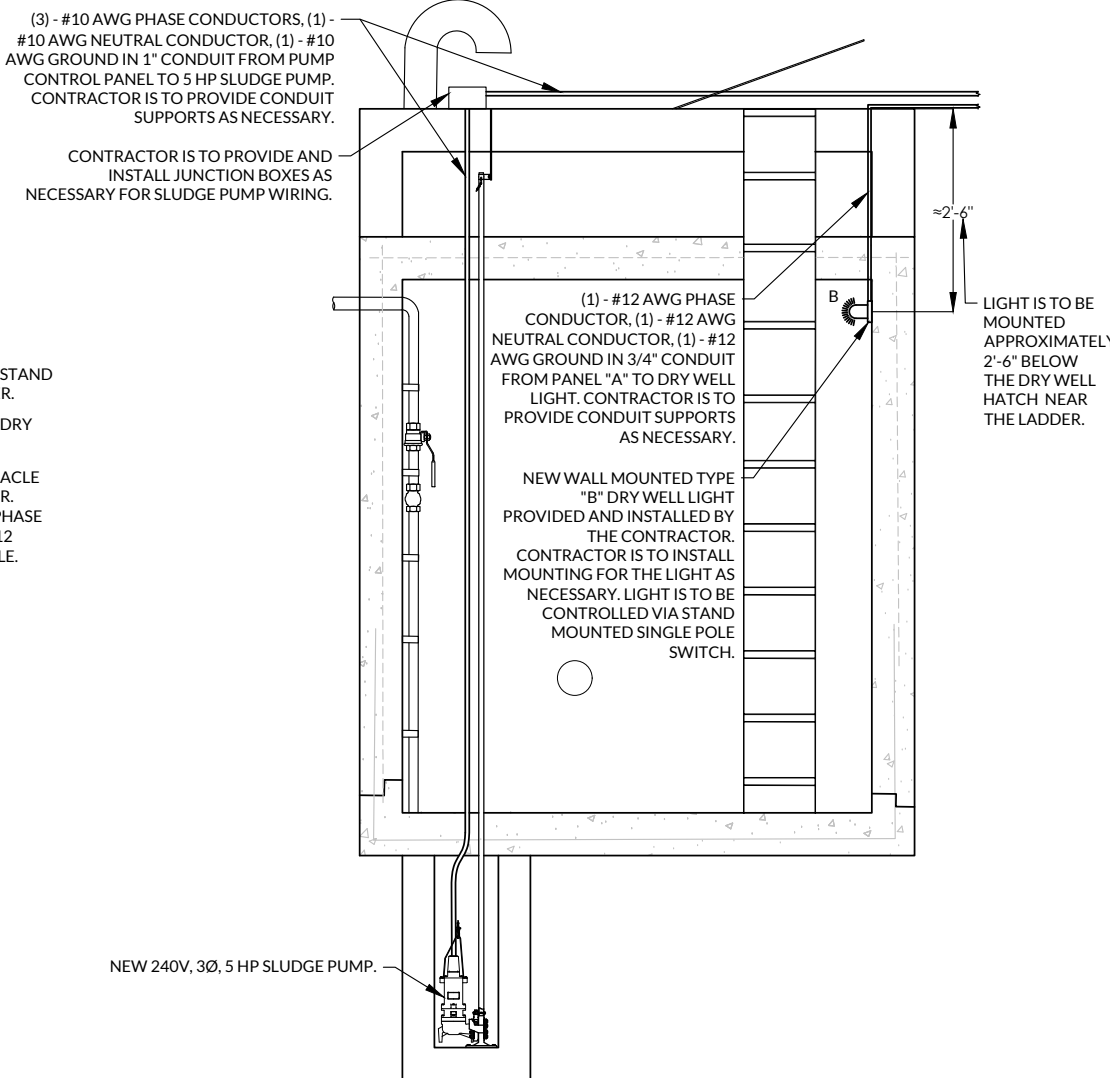
- STAND ORIENTATION IS SHOWN FOR GRAPHICAL PURPOSES ONLY. REFERENCE ELECTRICAL SITE PLAN SHEET 07 FOR ACCURATE STAND ORIENTATION.
- REFERENCE ELECTRICAL RISER DIAGRAM SHEET 08 FOR WIRE AND CONDUIT SIZES NOT SHOWN ON THIS PLAN.



ELECTRICAL STAND DETAIL
N.T.S.



ELECTRICAL STAND DETAIL
(SIDE VIEW)
N.T.S.



DRY WELL ELECTRICAL DETAIL
1" = 3'



JACOB MARTIN
TBE FIRM #1019493
TBAE FIRM # BR 2261
TBE FIRM # 2448

CITY OF BENJAMIN		WWTP IMPROVEMENTS		ELECTRICAL DETAILS	
NO.	REVISION	DATE	PROJECT #	SCALE	AS NOTED
09			23102	1" = 3'	AS NOTED
BARS ONE INCH IN LENGTH ON ORIGINAL DRAWING. CHECK SCALE AND ADJUST ACCORDINGLY.					
09			09		