



June 07, 2023

TO: Holders List

SUBJECT: RFP NO. 071755 ADMINISTRATION BUILDING ELECTRIC VEHICLE CHARGING STATIONS

**Response to Bid
Questions #03-R1**

1. **BIDDER QUESTIONS**

On page C01, is the hma patch symbol in the legend, correct? The keynote states catch basin protection.

RESPONSE

There is a mistake in the Legend – that round symbol should have been called CB protection (referenced by Keynote 1 at each location). Asphalt patch hatch removal/restoration is shown in Legend.

2. **Was the pre-bid walk for this project mandatory to be able to bid on this?**

RESPONSE

No

3. Questions from E02.2, Site Plan (1) drawing. (See attachment for location of questions on the drawing)

a) **Contactor Question**

The one-line diagram indicates 4#6 + 2#2G and what's listed here is in direct contradiction.

Answer

The one-line diagram indicates 4#6 + 2#10G. One line diagram is correct wire count. Plan view conduit wire count has been adjusted to match one line diagram. See bubbled revision A1 drawing E02.2 in Addendum 1.

b) **Contactor Question**

Why are (4) 1-1/4" C needed here? Per the one-line diagram, it should be (1) 1-1/4" C w/ 4#6 + 2#10G.

RESPONSE

(4) 1-1/4" Power conduits are required at this point. (3) 1-1/4" power conduits shall be conduit only (C. O.) and one will be filled, (1) filled 1-1/4" C w/ 4#6 + 2#10G. Plan view

conduit and wire count has been adjusted to match one line diagram. See bubbled revision A1 drawing E02.2 in Addendum 1.

c) Contactor Question

This indicates power wire and conduit, up until this point with empty conduits to chargers 4, 5 and 6. Does there need to be a hand hole provided here?

RESPONSE

Conduit only is required for base bid from panel EV -1 to bid alternate EVSE locations. Conduit fill wire will be required only if bid alternate EVSE locations are accepted for work. NO wire transition will be required at this point.

Plan view conduit and wire count has been adjusted to match one line diagram. See bubbled revision A1 drawing E02.2 in Addendum 1.

4. Questions from E04.1, Distribution Service Detail drawing. (See attachment for location of questions on the drawing)

a) Contactor Question

Flag note 6 indicates conduit and wire but, there is no information on what wire is needed for communications.

RESPONSE

Where conduit only (C.O.) is identified on drawings for power or communications conduits, NO wire is required for those conduits. See bubbled revision A1 drawing E04.1 in addendum 1.

b) Contactor Question

Do you want these (5) conduits stubbed out 10' towards the NE, same as from panel EV-2?

RESPONSE

No, these power conduits are to base bid EVSE charger locations. Note flag 9 is to be flag note 6. (5) power conduits (C.O.) only from EV-2 and (5) communications conduits only (C.O.) from localized Communication location on back side of the equipment rack shall be stubbed 10 feet out to the NE for future EVSE charger locations. See bubbled revision A1 drawing E04.1 in addendum 1.

c) Engineer Clarifications on E04.1

1. (5) 1 "communications conduits (C.O.) are required along with the power conduit to the future EVSE charger. Provide power and communications C.O. to NE location as described on Sheet E04.1 See bubbled A1 revision and flag note 9 drawing E04.1 in addendum 1.
2. Ground electrode conduit and conductor did not terminate in Wireway (Gutter). This was corrected on the drawing with notes to clearly identify requirements for ground electrode routing on the drawing. See bubbled A1 revision and flag note 8 drawing E04.1 in addendum 1.

5. Questions from Portal Q-001777-Contract Design & Development, LLC (CDD) is a WSDOT OMWBE certified contractor and wanted to bid on the Port of Tacoma Administration Building EV Charging Stations but noticed that there were no MWBE participation goals and not even a statement in the bid documents to encourage

MWBE participation. Thus, MWBE firms are not likely to be able to participate in this public works project, due to Port of Tacoma's procurement failure to have or encourage MWBE participation.

After contacting the potential bidders listed on the bid holders document, I was advised that there was no MWBE participation on this project and they were not interested in MBE participation from CDD, without even asking what service or product CDD could provide to the Port of Tacoma Administration Building EV Charing Station RFP.

Please explain why there is no MWBE goal on the Port of Tacoma Administration Building EV Charing Station RFP.

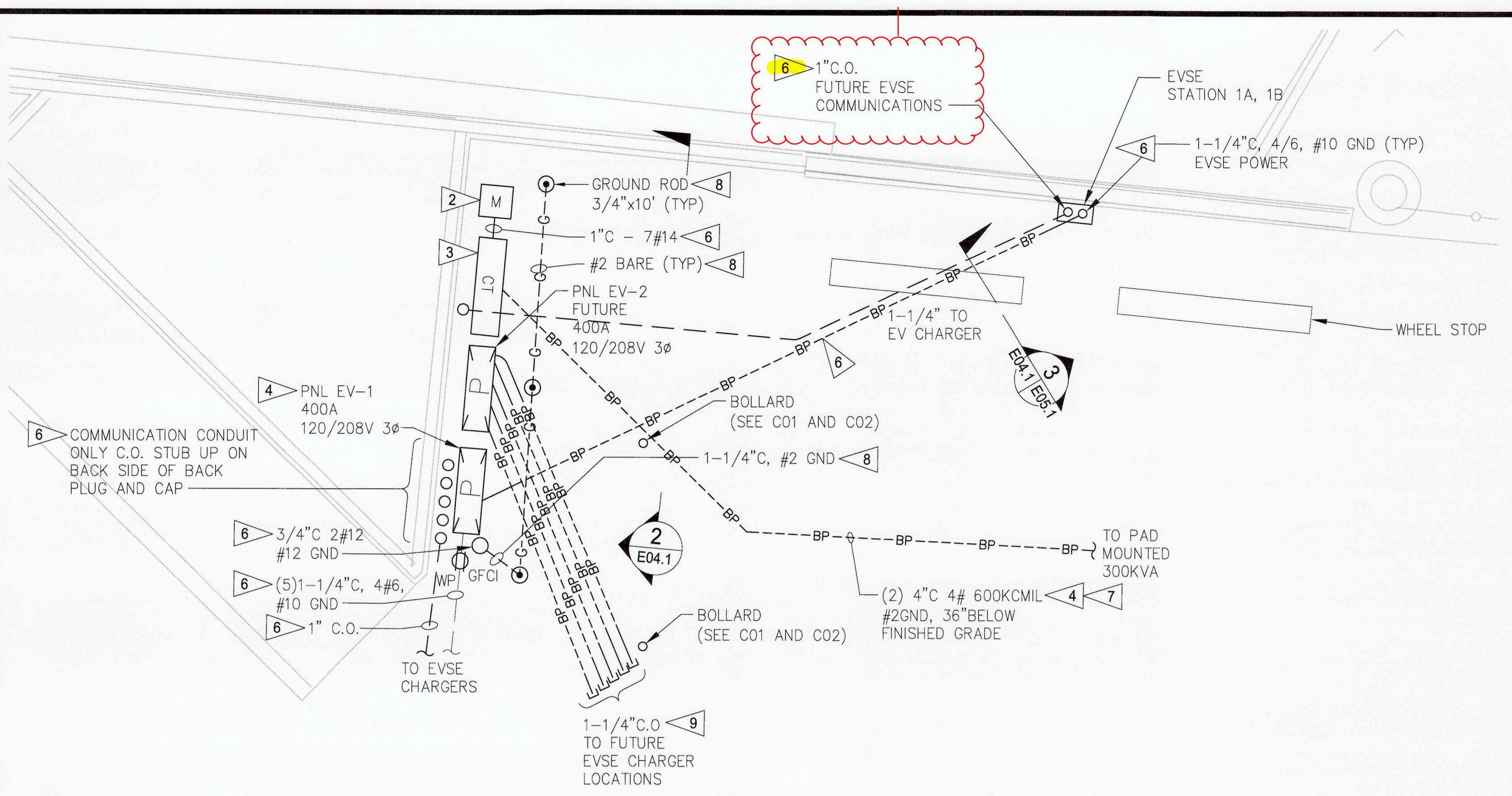
RESPONSE

See Section 00 72 00 – General Conditions (page 00 72 00 -15) Article 5 – Workforce and Non-Discrimination Requirements paragraph 5.02 Titled MWBE, Veteran-owned, and Small Business Enterprise Participation whereas the Port encourages participation in all of its contracts by MWBE firms certified by the Office of Minority and Women's Business Enterprises. Participation may be either on a direct basis in response to this invitation or as a subcontractor.

6. Questions from Portal Q-001776- Is the soil being excavated considered contaminated. If so are there any special tracking requirements.

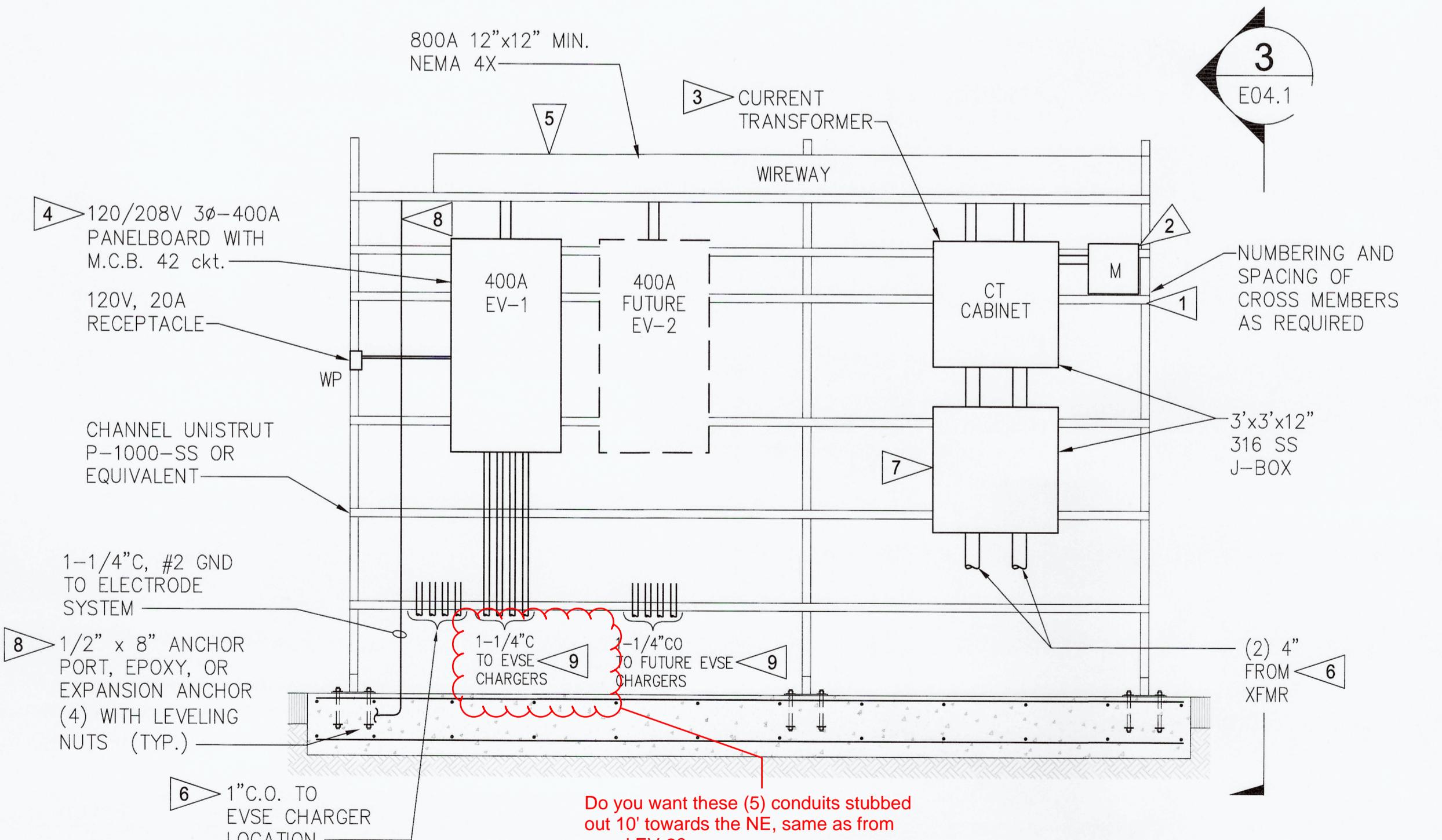
RESPONSE

1. Per Section 01 35 43.19, Export Soil Management, 1.01-B Soils excavated within the project area, as shown on the drawings, are anticipated to be free of regulated material.
2. See Section 01 35 43.13 and Section 01 35 43.19 for what to do if the contractor encounters the presence of regulated materials not previously identified in the specifications.



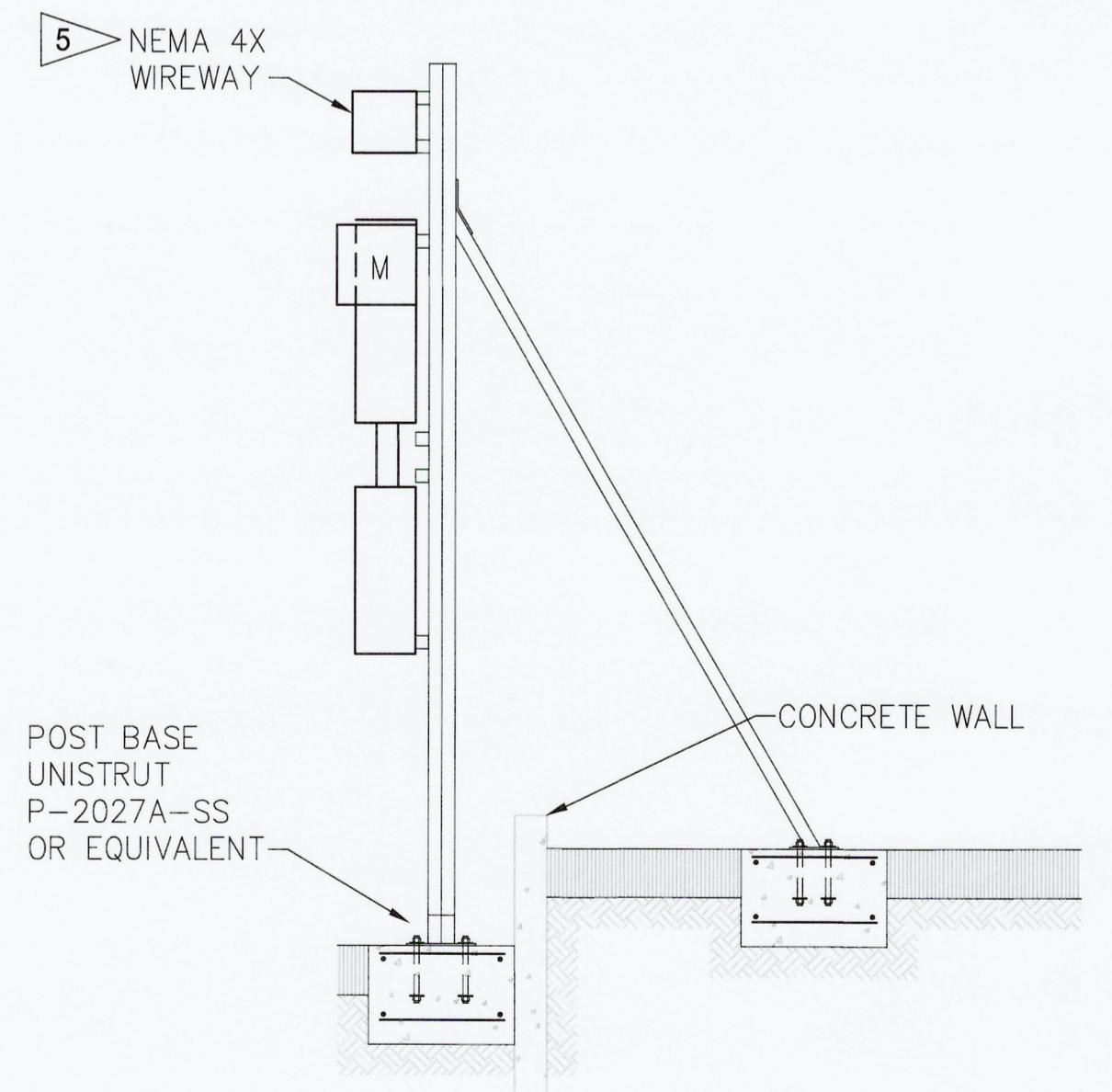
DISTRIBUTION DETAIL

SCALE: 3/8"=1'-0"



EQUIPMENT RACK FRONT VIEW DETAIL

SCALE: 3/8"=1'-0"



EQUIPMENT RACK SIDE VIEW DETAIL

SCALE: 3/8"=1'-0"

GENERAL NOTES

1. FURNISH ALL LABOR, MATERIALS, EQUIPMENT, AND TOOLS FOR COMPLETION FOR ALL ELECTRICAL SYSTEMS AND RELATED WORK AS INDICATED ON THE DRAWINGS
2. ALL WORK SHALL COMPLY WITH LOCAL ORDINANCES, AND SHALL CONFORM TO THE NEC
3. ALL WIRE TO BE THHW UNLESS OTHERWISE SPECIFIED
4. CONDUIT AND EQUIPMENT SUPPORTS ABOVE GROUND SHOULD BE STAINLESS STEEL
5. PROVIDE NEMA 4X RATED, STAINLESS STEEL ENCLOSURES

CONSTRUCTION NOTES

- 1 PROVIDE AND INSTALL STAINLESS STEEL EQUIPMENT RACK. SEE SHEET C02, DETAIL 9 AND 10 FOR ADDITIONAL REQUIREMENTS.
- 2 PROVIDE AND INSTALL METER BASE.
- 3 PROVIDE AND INSTALL CURRENT TRANSFORMER CABINET.
- 4 PROVIDE AND INSTALL 120/208V, THREE PHASE, 42 CIRCUIT PANEL BOARD WITH 400A MAIN CIRCUIT BREAKER.
- 5 PROVIDE AND INSTALL SERVICE WIREWAY SIZE FOR TWO 400A TAPS TO PANELBOARDS.
- 6 PROVIDE AND INSTALL CONDUIT AND WIRE.
- 7 PROVIDE AND COIL ONE SET OF FEEDERS IN J-BOX BELOW CT CABINET. PROVIDE ENOUGH COILED CABLE TO REACH CT TERMINATIONS WITHOUT SPLICING FOR FUTURE USE.
- 8 PROVIDE AND INSTALL GROUND ELECTRODE SYSTEM. ROUTE GROUND ELECTRODE CONDUCTOR UP TO GUTTER. PROVIDE 10' LOOP OF ELECTRODE CONDUIT.
- 9 STUB OUT 5 SPARE CONDUIT NORTHEAST. POINT TO FLEET PARKING AREA. STUB OUT 10' FROM PANEL EV-2 FUTURE LOCATION. PLUG AND CAP END. PROVIDE ASPHALT MARKER FOR END LOCATION.
- 10 PROVIDE AND INSTALL J-BOX.
- 11 PROVIDE AND INSTALL OUTDOOR RATED RECEPTICAL.
- 12 SIZE AND PROVIDE J-BOX AND CT CABINET AS REQUIRED BY TPU SERVICE STANDARDS. COORDINATE INSTALLATION WITH TPU.

6689
E04.1
SH #8 OF 11

ADMIN. BUILDING EV CHARGING STATIONS
DISTRIBUTION SERVICE DETAIL

CONTRACT/CONS.:	TOWNSHIP:	RANGE:	SECTION:	VERT.:	PRINTED BY:	PROJ. ENGR. DATE	DIRECTOR ENGR. DATE
M. ID: 1015684-01	071755	21 NORTH	3 EAST	34	bobbyzardon	Apr 26, 2023	FG 04/25/23

P.O. BOX 1881 TACOMA, WA 98460 (203) 588-5841

(423) 522-1000

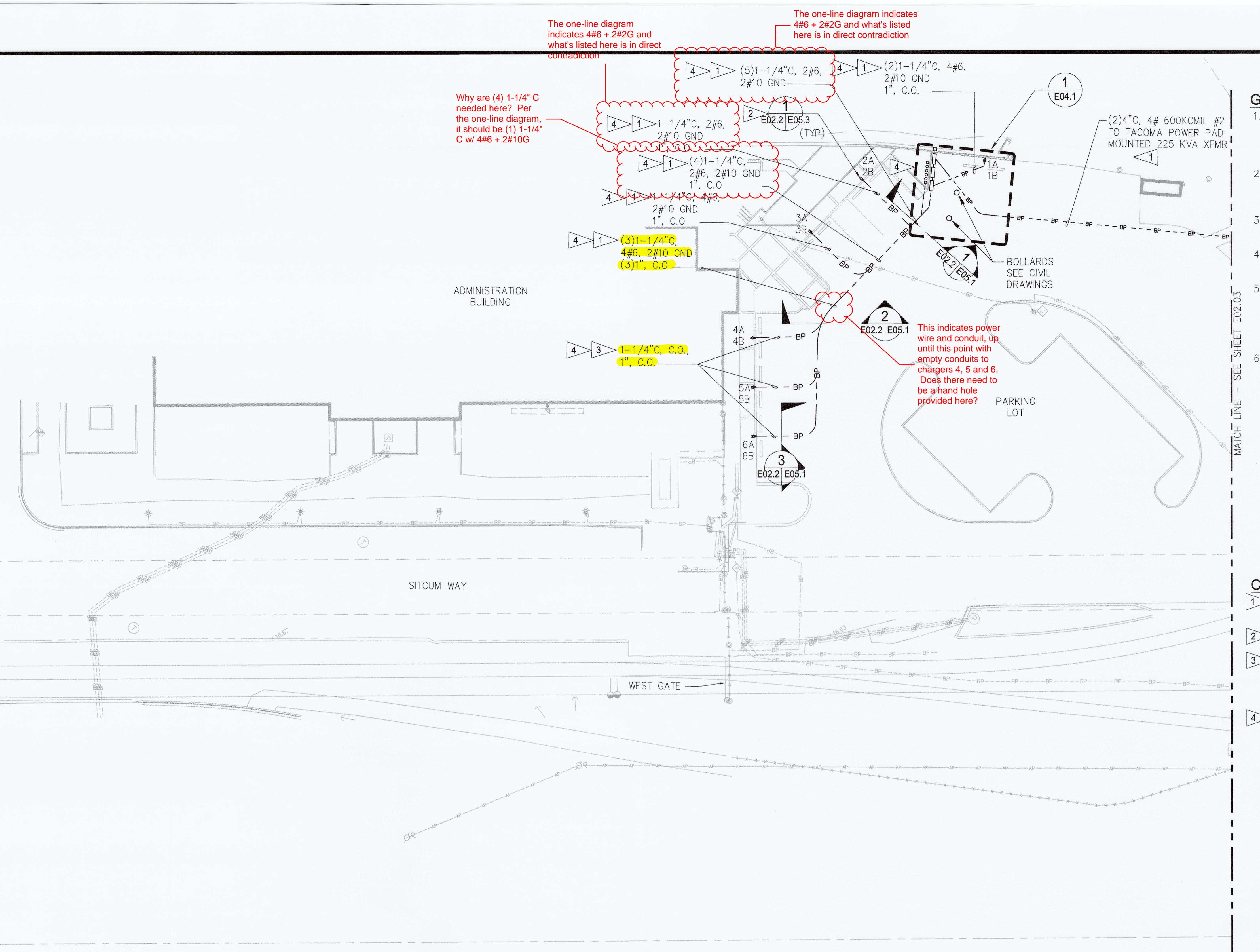
WWW.ECASNE.COM

JOB NO. 221038-001

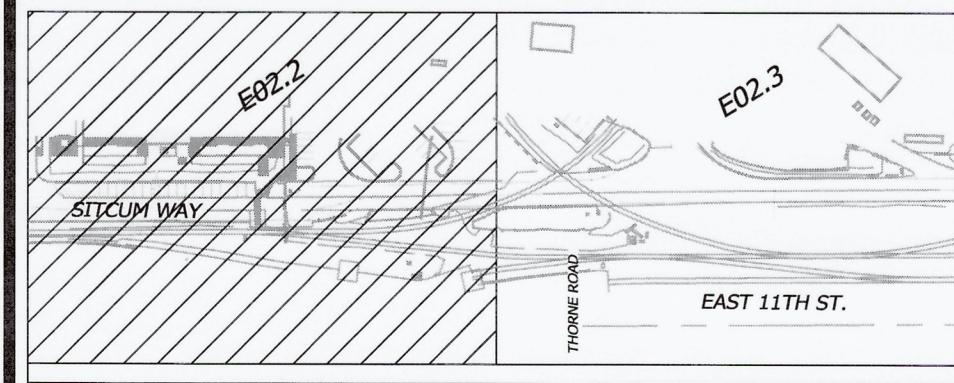
DATE:

APPR.:

DATE:



KEY MAP



GENERAL NOTES

FURNISH ALL LABOR, MATERIALS, EQUIPMENT, AND TOOLS FOR COMPLETION FOR ALL ELECTRICAL SYSTEMS AND RELATED WORK AS INDICATED ON THE DRAWINGS.

ALL WORK SHALL COMPLY WITH LOCAL ORDINANCES, AND SHALL CONFORM TO THE NEC.

ALL WIRE TO BE THHW/XHHW UNLESS OTHERWISE SPECIFIED.

CONDUIT AND EQUIPMENT SUPPORTS ABOVE GROUND SHALL BE STAINLESS STEEL.

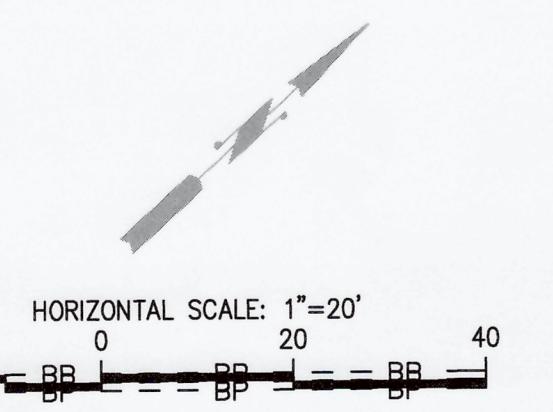
SERVICE CONDUCTORS THAT ARE BURIED 18 INCHES OR MORE SHOULD HAVE THEIR LOCATION NOTED BY A WARNING RIBBON THAT IS 12 INCHES ABOVE THE UNDERGROUND INSTALLATION

PRIMARY CIVIL (TRENCH, CONDUIT AND VAULTS) SYSTEM AND SECONDARIES SHALL BE INSTALLED BY A QUALIFIED LICENSED ELECTRICAL CONTRACTOR IN THE STATE OF WASHINGTON UNDER RCE 19.28.

BID SET
APRIL 28 2011

CONSTRUCTION NOTES

- PROVIDE AND INSTALL CONDUIT, CONDUCTORS, SUPPORTS, AND ANY ANCILLARY HARDWARE.
- PROVIDE AND INSTALL EVSE.
- FOR BASE BID PROVIDE CONDUIT ONLY TO EVSE LOCATIONS 4, 5 AND 6. FOR BID ADDITION ALTERNATIVE INCLUDE CONDUIT, WIRE AND EVSE STATIONS 4, 5 AND 6.
- PROVIDE COMMUNICATIONS CONDUIT ONLY (C.O.) FROM EQUIPMENT RACK TO CHARGING STATIONS AND TO BID ADDITION ALTERNATIVE LOCATIONS PLUG, AND CAP.



E02.2		ADMIN. BUILDING EV CHARGING STATIONS	
SH#5 OFF11		SITE PLAN (1)	
APPROVED: <i>Chris Howard</i>	CEC 04/25/23 CHECKED BY DATE <i>Chris Howard</i>	DIRECTOR ENG. DATE PROJ. ENGR DATE PRINTED BY: bobby.arzadon Apr 26, 2023	MARK: REVISION: BY: APPR: DATE: 35276 REGISTERED ENGINEER PROFESSIONAL ENG PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 980407-1837 04/28/23
CONT/ONS: 071155	TOWNSHIP: 21 NORTH RANGE: 3 EAST SECTION: 34 DAT-HRZ: . VERT: MILLW 19.39' @ TIDE 22.1933	PARCEL: 2275200633 DRAWING SCALE: AS NOTED	P.O. BOX 1837 TACOMA, WA 98401 (253)383-5841
PHASE: BID SET			

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