



June 09, 2023

TO: Holders List

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

**Response to Bid
Questions #04**

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) Contactors 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) Contactors 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) Contactors 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 Charging Station RFP.

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

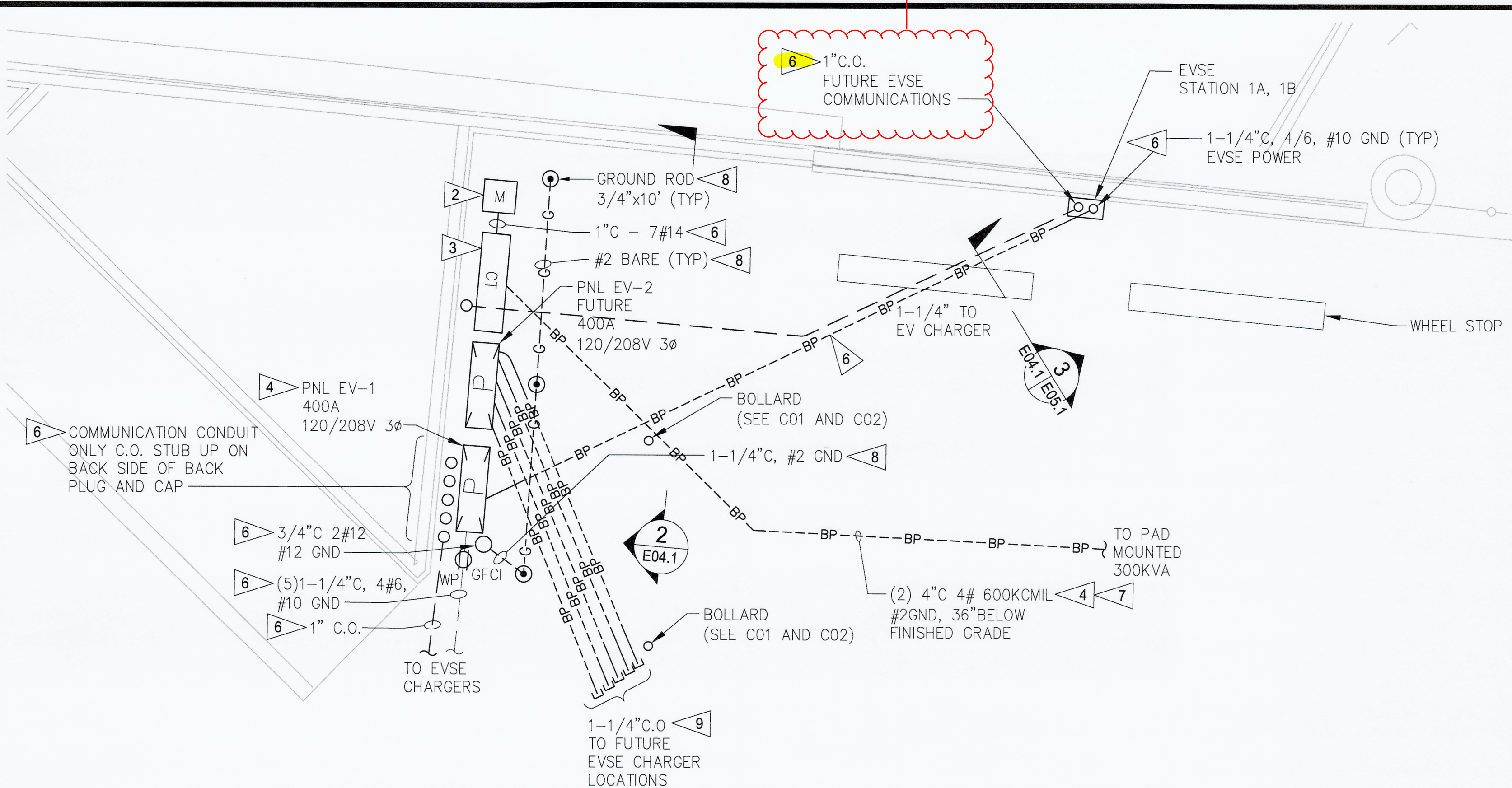
6. Questions from Portal Q-001776- Is the soil being excavated considered contaminated. If so are there any special tracking requirements.

RESPONSE

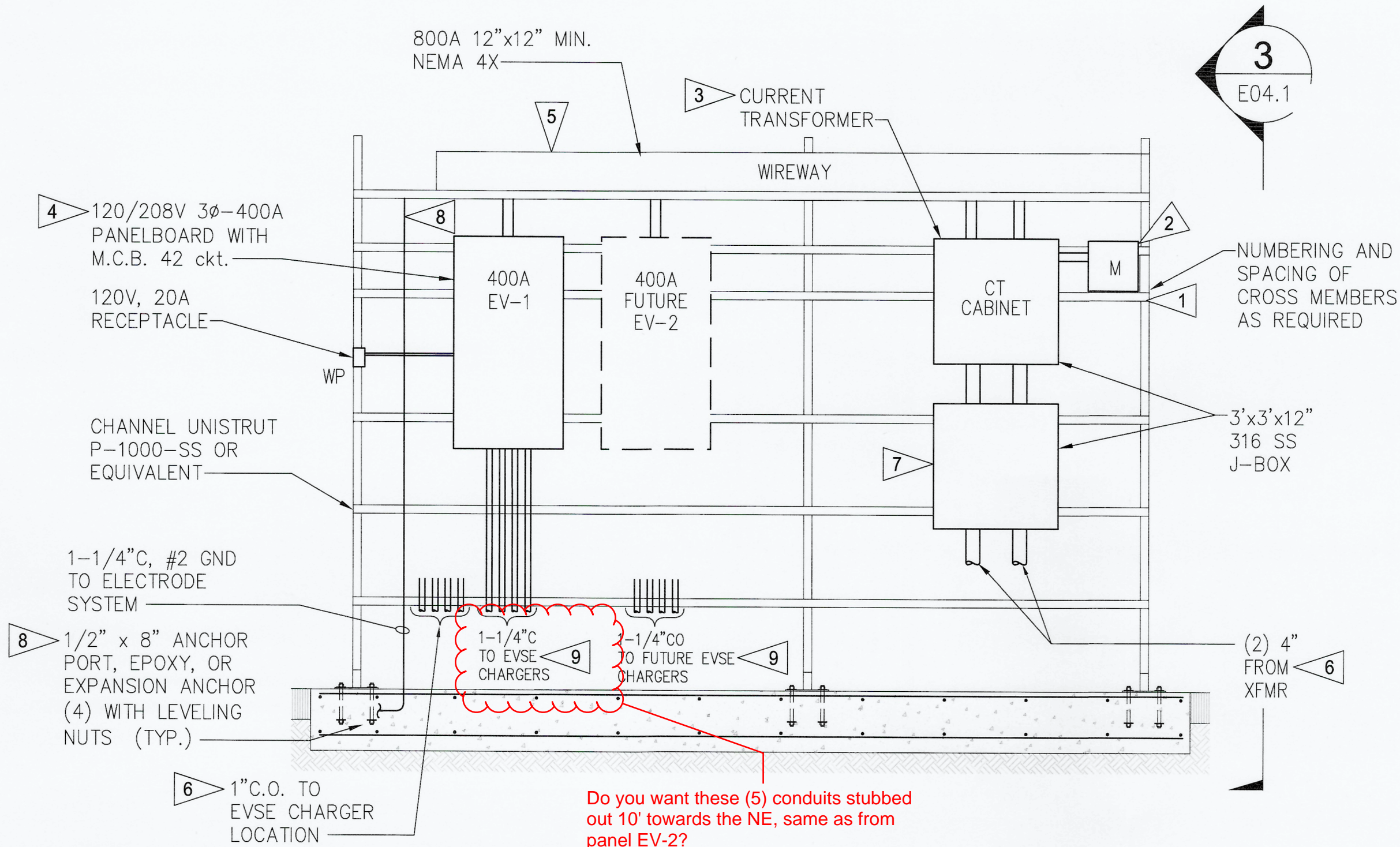
1. Per Section 01 35 43.19, Export Soil Management, 1.01-B Soils excavated within the project area, as shown on the drawings, are anticipated to be free of regulated material.
2. See Section 01 35 43.13 and Section 01 35 43.19 for what to do if the contractor encounters the presence of regulated materials not previously identified in the specifications.
7. Contractor Question - We are bidding on this job and would like to request a copy of the Tacoma Power utility design drawings.

RESPONSE

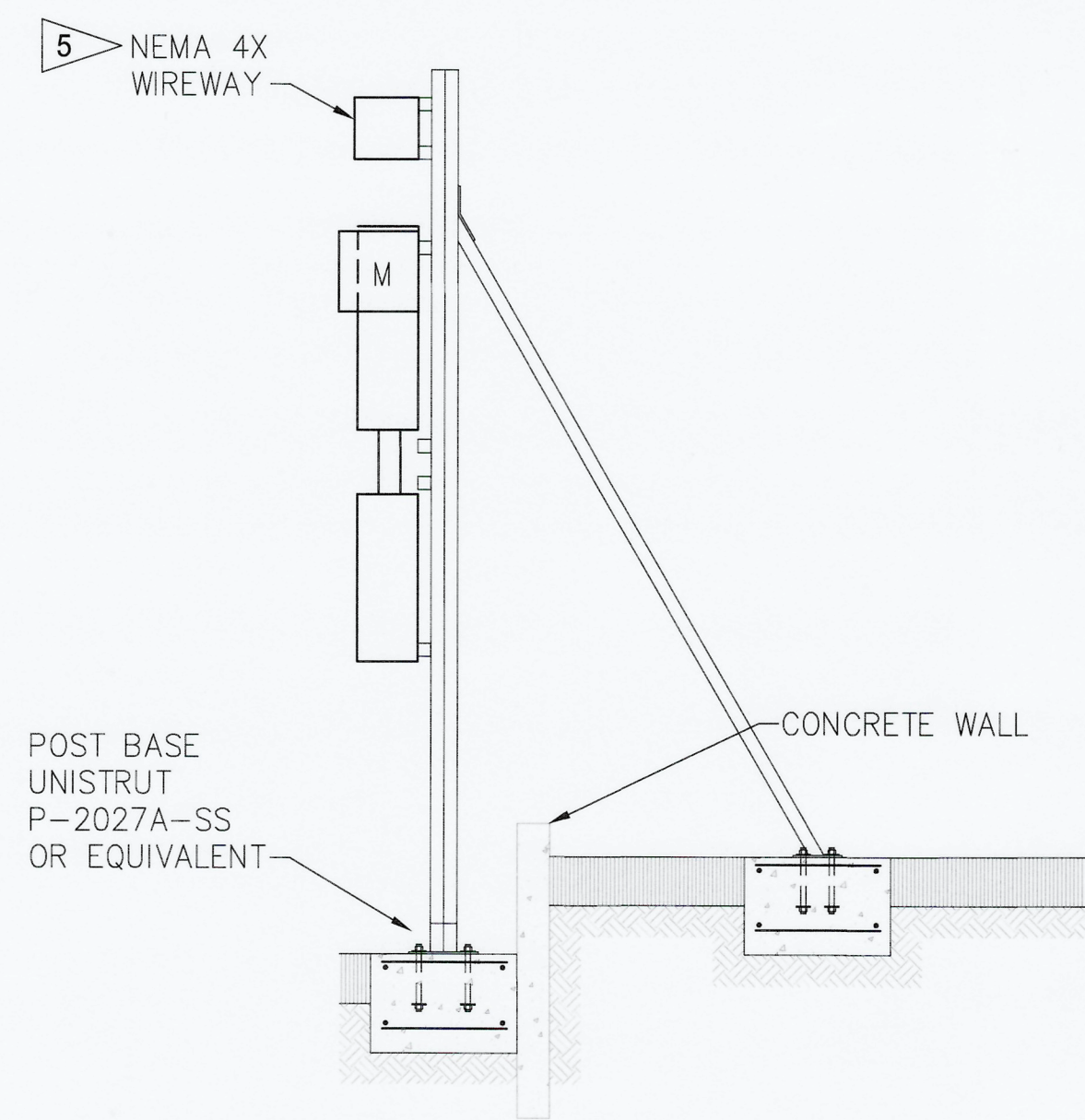
Tacoma Power Utility design drawings are currently not available to share with the contractors.



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



2 EQUIPMENT RACK FRONT VIEW
DETAIL
SCALE: 3/8"=1'-0"



3 EQUIPMENT RACK SIDE VIEW
DETAIL
SCALE: 3/8"=1'-0"

GENERAL NOTES

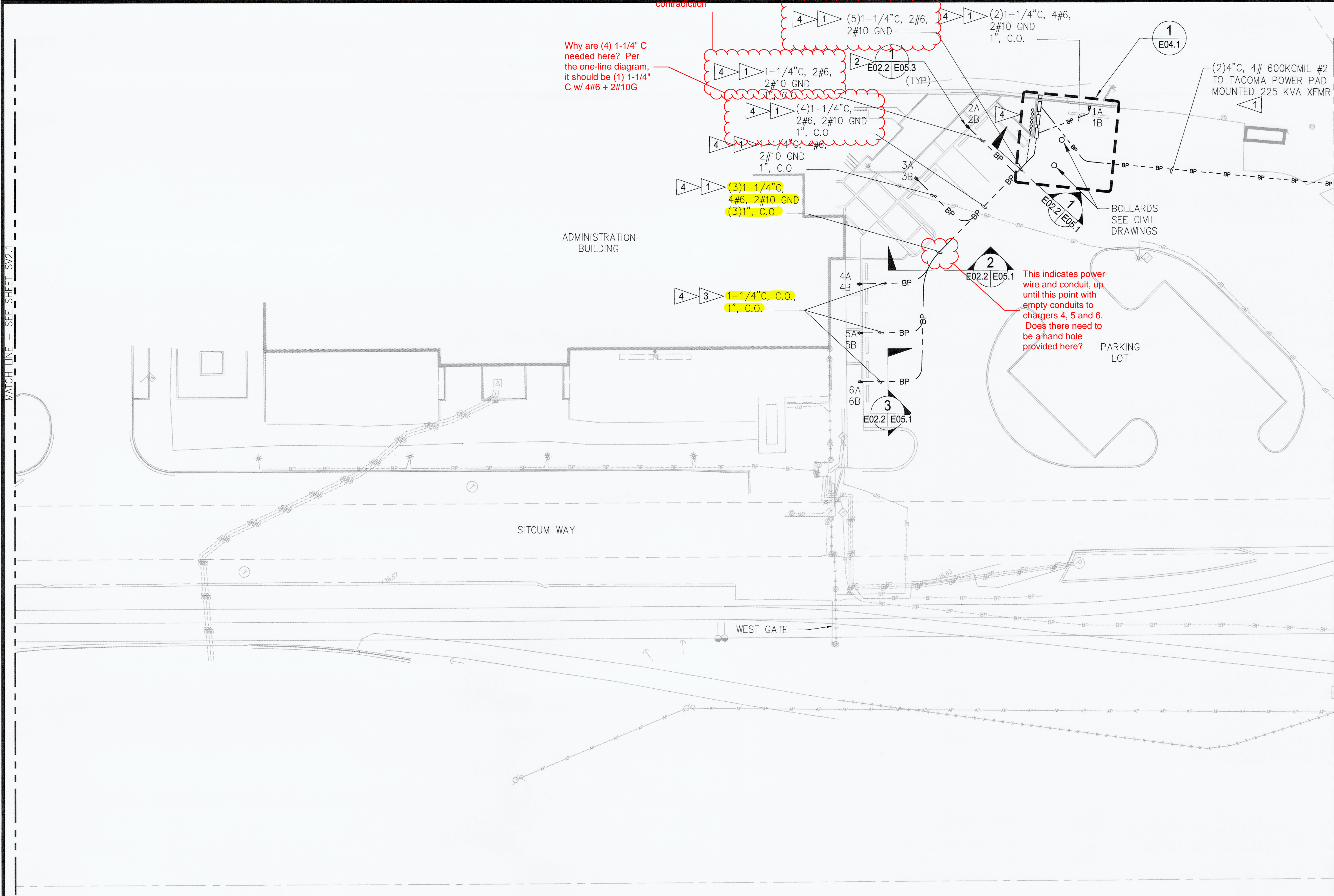
- FURNISH ALL LABOR, MATERIALS, EQUIPMENT, AND TOOLS FOR COMPLETION FOR ALL ELECTRICAL SYSTEMS AND RELATED WORK AS INDICATED ON THE DRAWINGS
- ALL WORK SHALL COMPLY WITH LOCAL ORDINANCES, AND SHALL CONFORM TO THE NEC
- ALL WIRE TO BE THHW UNLESS OTHERWISE SPECIFIED
- CONDUIT AND EQUIPMENT SUPPORTS ABOVE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

CONSTRUCTION NOTES

- PROVIDE AND INSTALL STAINLESS STEEL EQUIPMENT RACK. SEE SHEET C02, DETAIL 9 AND 10 FOR ADDITIONAL REQUIREMENTS.
- PROVIDE AND INSTALL METER BASE.
- PROVIDE AND INSTALL CURRENT TRANSFORMER CABINET.
- PROVIDE AND INSTALL 120/208V, THREE PHASE, 42 CIRCUIT PANEL BOARD WITH 400A MAIN CIRCUIT BREAKER.
- PROVIDE AND INSTALL SERVICE WIREWAY SIZE FOR TWO 400A TAPS TO PANELBOARDS.
- PROVIDE AND INSTALL CONDUIT AND WIRE.
- PROVIDE AND COIL ONE SET OF FEEDERS IN J-BOX BELOW CT CABINET. PROVIDE ENOUGH COILED CABLE TO REACH CT TERMINATIONS WITHOUT SPLICE FOR FUTURE USE.
- PROVIDE AND INSTALL GROUND ELECTRODE SYSTEM. ROUTE GROUND ELECTRODE CONDUCTOR UP TO GUTTER. PROVIDE 10' LOOP OF ELECTRODE CONDUIT.
- 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.
- PROVIDE AND INSTALL J-BOX.
- PROVIDE AND INSTALL OUTDOOR RATED RECEPTICAL.
- SIZE AND PROVIDE J-BOX AND CT CABINET AS REQUIRED BY TPU SERVICE STANDARDS. COORDINATE INSTALLATION WITH TPU.

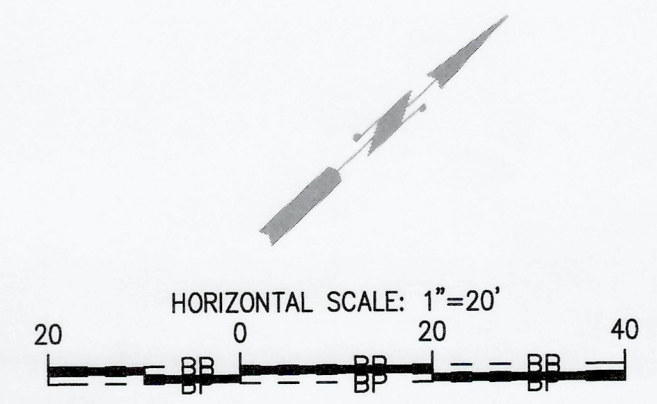
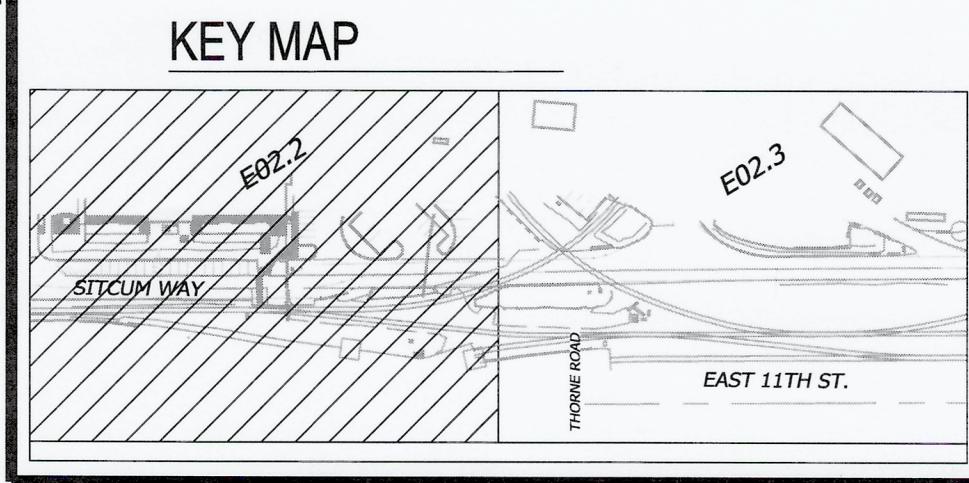
BID SET APRIL 28, 2023		CASNE Engineering 3545 TACOMA BOULEVARD SE., SUITE 200 BELLEVUE, WA 98006 (425) 522-1000 WWW.CASNE.COM		Port of Tacoma P.O. BOX 1837 TACOMA, WA 98401 (206) 388-3441	
APPROVED: <i>[Signature]</i>		CHECKED BY: <i>[Signature]</i>		DATE: 04/25/23	
ADMIN. BUILDING EV CHARGING STATIONS DISTRIBUTION SERVICE DETAIL		DIRECTOR ENG. DATE: 04/25/23		DATE: 04/25/23	
TOWNSHIP: 21 NORTH		RANGE: 3 EAST		SECTION: 34	
DAT-HRZ: 101584.01		VERT: MLW 19.39' @ TIDE 22.1933		TACOMA, WA 980407-1837	
M. ID: 101584.01		PARCEL: 2275200633		DRAWING SCALE: AS NOTED	
PHASE: BID SET		MARK: REVISION:		BY: APPR: DATE:	

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- ### 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 STSTE OF WASHINGTON UNDER RCE 19.28.

- ### 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.



6689 E02.2 SH #5 OF 11	ADMIN. BUILDING EV CHARGING STATIONS SITE PLAN (1)				APPROVED: <i>[Signature]</i> DATE: 04/25/23	
	TOWNSHIP: 21 NORTH RANGE: 3 EAST SECTION: 34 DAT-HRZ: VERT: MLLW 19.39' @ TIDE 22.1933 PARCEL: 2275200633 DRAWING SCALE: AS NOTED				CHECKED BY: <i>[Signature]</i> DATE: 04/25/23	
	CONT./CONS: 071755 M. ID: 101584.01 PHASE: BID SET				PROJECT: bobbyarazon Apr 26, 2023 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 980407-1837	
	PROJECT: bobbyarazon Apr 26, 2023 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 980407-1837				DIRECTOR: <i>[Signature]</i> PRINTED BY: bobbyarazon Apr 26, 2023	
Port of Tacoma P.O. BOX 187 TACOMA, WA 98010 (206) 384-1111		CASNE Engineering 3545 FACTORIA BOULEVARD SE, SUITE 200 TACOMA, WA 98040 (253) 322-1000 WWW.CASNE.COM		Professional Engineer E. CLYDE 3578 REGISTERED PROFESSIONAL ENGINEER STATE OF WASHINGTON		
BID SET APRIL 28, 2023		MARK: REVISION: BY: APPR: DATE:		THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION		