## STRUCTURAL NOTES:

- 1. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE 2022 OSSC AS WELL AS LOCAL CODES AND REGULATIONS.
- 2. ALL FEATURES OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME TYPE AND CHARACTER AS SHOWN FOR SIMILAR CONDITIONS, SUBJECT TO REVIEW BY THE STRUCTURAL ENGINEER OF RECORD.
- 3. SPECIAL INSPECTION AND REPORTING AND COMPLIANCE PROCEDURES, IN ACCORDANCE WITH CHAPTER 17 OF THE OSSC, SHALL BE PROVIDED FOR THIS STRUCTURE, AND SHALL INCLUDE SPECIAL INSPECTION.
- 4. THE GENERAL STRUCTURAL NOTES ARE INTENDED FOR USE IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN THE TWO, THE SPECIFICATIONS SHALL TAKE PRECEDENCE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- 5. CONSTRUCTION SEQUENCE AND METHODS:
  - A. THE STRUCTURAL DRAWINGS ARE INTENDED FOR THE STRUCTURE TO ACT AS A WHOLE ONCE CONSTRUCTION IS COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE SAFETY AND STABILITY (I.E. TEMPORARY BRACING AND/OR SHORING IF REQUIRED) DURING CONSTRUCTION AS A RESULT OF CONSTRUCTION METHODS AND SEQUENCES.
    B. THE CONTRACTOR SHALL TAKE INTO ACCOUNT COLD AND HOT WEATHER CONSTRUCTION
  - AND THE EFFECTS OF THERMAL MOVEMENT DURING THE CONSTRUCTION SCHEDULE.
- 6. DESIGN CRITERIA:
  - A. CODE: 2021 INTERNATIONAL BUILDING CODE AS AMENDED BY THE STATE OF OREGON (2022 OSSC).
  - SEISMIC:
  - le = 1.0
  - SITE CLASS D
  - RISK CATEGORY III - Ss = 0.92, S1 = 0.36
  - Sds = 0.92, ST = 0.30- Sds = 0.77, Sd1 = 0.52
  - SDC = D
  - Wp = 1,200 FOR ELECTRICAL CABINET

#### POST-INSTALLED ANCHORS:

- 1. ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND ES REPORT.
- 2. ANCHORS SHALL BE INSTALLED WITH SPECIAL INSPECTION.
- 3. STEEL ANCHOR MATERIAL SHALL BE EITHER STAINLESS STEEL 304 OR 316. NUTS AND WASHERS TO MATCH ANCHOR STEEL MATERIAL.
- 4. ACCEPTABLE EXPANSION ANCHORS:
  - HILTI KWIK-BOLT TZ2 (KB-TZ2), ESR-4266
  - DEWALT/POWERS POWER-STUD +SD4 OR +SD6, ESR-2502
  - SIMPSON STRONG TIE STRONG-BOLT 2, ESR-3037
- 5. ACCEPTABLE ADHESIVES:
  - HILTI HIT RE 500V3, ESR-3814
  - DEWALT/POWERS PURE 110+ EPOXY, ESR-4057
  - SIMPSON STRONG TIE SET-3G, ESR-3298
- 6. LOCATE REINFORCING PRIOR TO DRILLING. DO NOT DRILL OR CUT ANY REINFORCING.

#### SPECIAL INSPECTIONS NOTES:

- 1. THE SPECIAL INSPECTION SHALL BE PROVIDED BY OWNER.
- 2. DUTIES OF THE CONTRACTOR INCLUDE, BUT ARE NOT LIMITED TO:

2.1. NOTIFYING THE SPECIAL INSPECTOR THAT THE WORK IS READY FOR INSPECTION AT LEAST 24 HOURS BEFORE SUCH INSPECTION.

2.2. ALL WORK REQUIRING SPECIAL INSPECTION SHALL REMAIN ACCESSIBLE AND EXPOSED UNTIL IT HAS BEEN OBSERVED AND INDICATED TO BE IN CONFORMANCE BY THE SPECIAL INSPECTOR.

2.3 PROVIDING THE SPECIAL INSPECTOR WITH ACCESS TO APPROVED PERMIT PLANS AND SPECIFICATIONS AT THE JOBSITE.

2.4 MAINTAINING AT THE JOBSITE COPIES OF ALL REPORTS SUBMITTED BY THE SPECIAL INSPECTOR.

3. DEFINITIONS:

3.1. CONTINUOUS INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON SITE AT ALL TIMES OBSERVING THE WORK REQUIRING SPECIAL INSPECTION.

3.2 PERIODIC INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON SITE AT TIME INTERVALS NECESSARY TO CONFIRM THAT THE WORK REQUIRING SPECIAL INSPECTION IS IN CONFORMANCE WITH APPROVED PERMIT PLANS AND SPECIFICATIONS.

- 4. THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION:
  - 4.1 POST-INSTALLED ANCHORS (PERIODIC).
  - 4.2 CONCRETE:
    - INSPECT FORM-WORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED (PERIODIC)
    - REINFORCING STEEL PLACEMENT (PERIODIC)
    - VERIFY USE OF REQUIRED MIX DESIGN (PERIODIC)
    - PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE (CONTINUOUS)
    - INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES (CONTINUOUS)
    - VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES (PERIODIC)

					DESIGNED BY	ET	DATE APPD.	
				XREF(S) USED:				
				CONSTRUCTED BY	DRAWN BY	DKT	PROGRAM MGR.	#
				PROJECT COMPLETED				#
				MAP CORRECTED BY	CHECKED BY	E	CONST. MGR.	#
					4	Γ		Ŧ
NO.	DATE	DESCRIPTION	APPD.	FINAL MAP DATA	DESIGN MGR.			+
NO.	DATE	DESCRIFTION	AFFD.	DRAWING NAME:		####		
REVISION				E11432_S-1.dwg		#		

ADEPT\WORK AREAS\WORKING\E11432\_S-1.DWG 7/27/2023 8:38 AM TRACY,

### CONCRETE NOTES:

CRSI MSP-1 "MANUAL OF STANDARD PRACTICE" AND ACI 301 "SPECIFICATIONS FOR CITY OF POIL PRACTICE" AND ACI 301 "SPECIFICATIONS FOR	
REVIEWEDETEROVER FOR FEINFORCING, UNLESS SHOWN OTHERWISE, SHALL BE: WHEN CAST AGAIL ST THE EARTH: 3" CODE COMPLEXPOSED TO OZO IE OR OZONATED WATER: 3" - INTERIOR, DRY, HUMIDITY, CONTROLLED AREAS:	
Date: 09/27/23 - WALLS, SLALS, AND JOISTS <sup>3</sup> / <sub>4</sub> "	
- BEAM STIRR JPS AND COLUMN TIES 1½" Project#: - CONCRETE EXPOSED TO EARTH, LIQUID, WASHDOWN, OR WEATHER: 23-009493-REV-01-CO - WALLS AND SLABS 2"	
- BEAM STIRRUPS AND COLUMN TIES 2" - BEAM AND COLUMN PRIMARY REINFORCING 2½"	
3. 90 DEGREE BENDS, UNLESS OTHERWISE SHOWN, SHALL BE ACI 318 STANDARD HOOKS.	

- 4. REINFORCING STEEL FOR FOOTINGS AND SLABS ON GRADE SHALL BE ADEQUATELY SUPPORTED ON BAR SUPPORTS WITH SPACERS TO KEEP REINFORCING ABOVE THE PREPARED GRADE. LIFTING REINFORCING OFF GRADE DURING CONCRETE PLACEMENT IS NOT PERMITTED.
- 5. 28-DAY COMPRESSIVE AND DESIGN STRENGTH = 4,000 PSI.
- 6. PROVIDE <sup>3</sup>/<sub>4</sub>" CHAMFERS ON ALL EXPOSED CONCRETE EDGES UNLESS NOTED OTHERWISE.



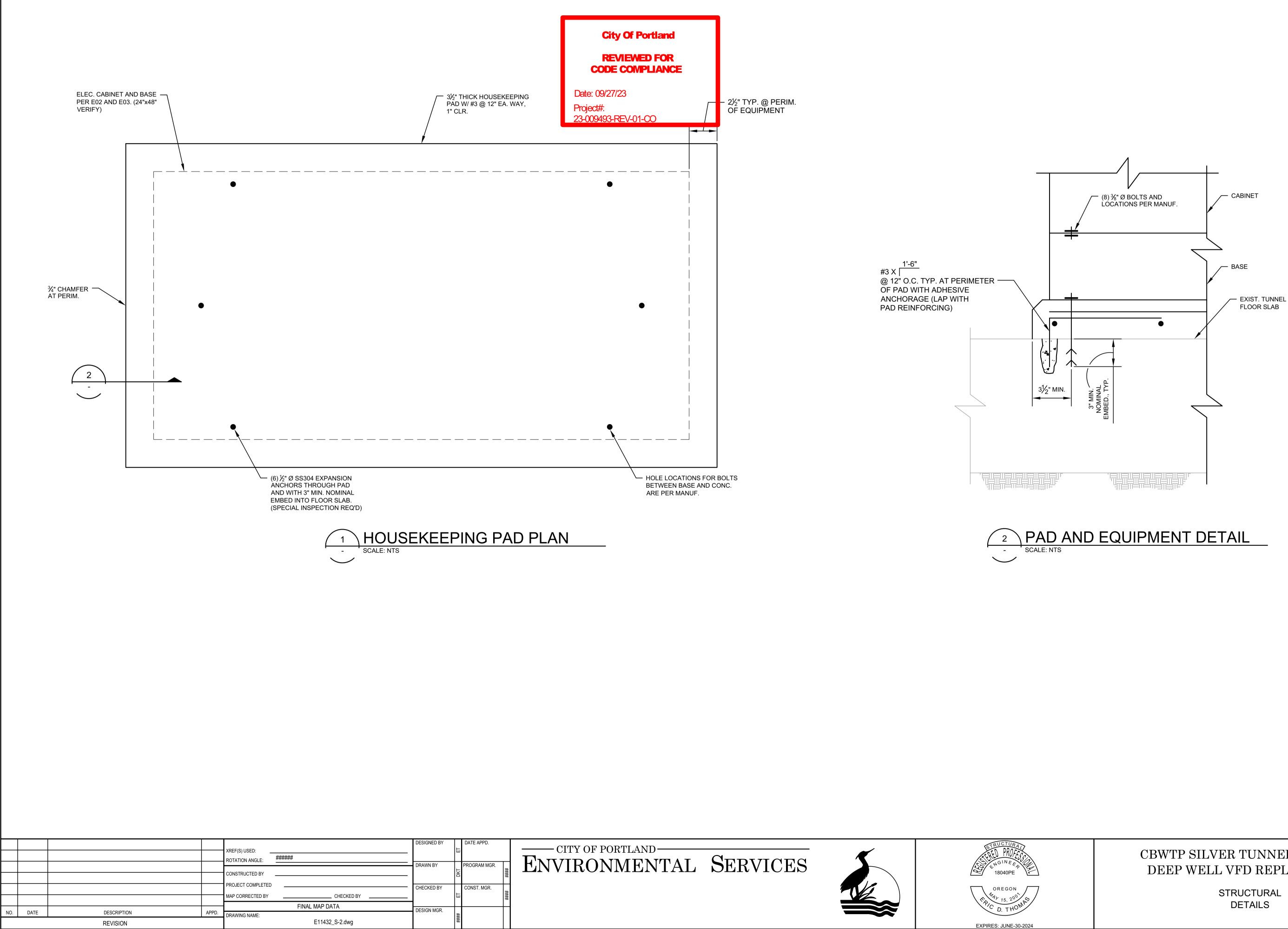


# CBWTP SILVER TUNNEL AND DIPU DEEP WELL VFD REPLACEMENT

STRUCTURAL GENERAL NOTES

JOB NC	).				
E1	14	32			
SHEET NO.					
S-1					
13	OF	14			

1/4 SECTION



# CBWTP SILVER TUNNEL AND DIPU DEEP WELL VFD REPLACEMENT

JOB NC	).				
E1	14	32			
SHEET NO.					
S-2					
14	OF	14			

1/4 SECTION