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P.O. Box 1837
Tacoma, WA 98401-1837
www.portoftacoma.com

May 13, 2016

TO: PLANHOLDERS

SUBJECT: PIER 4 PHASE 2 RECONFIGURATION
PROJECT NO. 091251
CONTRACT NO. 070136

ADDENDUM NUMBER SIX

This addendum is issued to amend the following:

SPECIFICATIONS

A. 00 11 13 – ADVERTISEMENT FOR BIDS

1. **REVISE** Sealed Bid Date/Time/Location paragraph to read as follows:

Bids will be received at the Front Reception Desk, Port Administration Office, One Sitcum Plaza, Tacoma, Washington until **2:30 P.M. on ~~May 17~~ May 19, 2016**, at which time they will be publicly opened and read aloud.

B. 00 73 16 - INSURANCE REQUIREMENTS

1. **REVISE** paragraph 1.03 D, second sentence, to read as follows:

... It is the obligation of the Contractor to ensure that all Subcontractors (at whatever tier) carry a similar program that provides the identified types of coverage, limits of liability, inclusion of the Port and NWSA as an additional insureds, waiver of subrogation and cross liabilities clause. ...

C. 03 20 00 – CONCRETE REINFORCING

1. **REVISE** paragraph 3.04.C to read as follows:

C. Processes used to place welds shall be either shielded metal arc or flux core arc (inner shield only) welding, except that gas-shielded flux core process may be used if welding occurs in a shop facility under controlled conditions that limit the wind velocity in the vicinity of the weld to not more than 5 mph. All slag shall be removed from each weld.

D. 03 30 00 – CAST-IN-PLACE CONCRETE

1. **ADD** the following to paragraph 2.01.E:

4. Accelerating admixtures shall conform to the requirements of ASTM C 494 Type C, and only non-corrosive/non-chloride accelerating admixtures shall be used. Dosage rates shall be in accordance with the manufacturer's recommendations.

E. 03 40 00 – PRECAST CONCRETE

1. ADD the following to paragraph 2.01 CONCRETE:

E. Type III cement used for Self-Consolidating Concrete (SCC) for precast deck panels and piling shall conform to ASTM C 150, except that the cement shall not contain more than 0.75 percent alkalis by weight calculated as Na₂O plus 0.658 K₂O and the content of Tricalcium aluminate (C₃A) shall not exceed 8 percent by weight.

2. REVISE paragraph 3.01.E to read as follows:

E. Accelerated curing methods for precast concrete shall meet the requirements of PCI MNL-116, Division 4. Maximum curing temperature shall not exceed 150 degrees Fahrenheit.

3. REVISE paragraph 3.01.J to read as follows:

J. Repairs to honeycombed sections shall be approved by the Engineer prior to repairs. Elements which contain honeycombed sections deep enough to expose reinforcing steel or contain excessive honeycombed sections, as determined by the Engineer, will be rejected, unless the Contractor submits and implements a repair procedure that is approved by the Engineer.

F. 33 71 19 – ELECTRICAL UNDERGROUND DUCTS AND MANHOLES

1. REVISE last sentence in paragraph 3.04.B to read as follows:

B. ~~...between manholes/vaults to drain in both directions.~~ allow positive drainage to manholes/vaults.

2. REVISE paragraph 3.04.E, to read as follows:

E. Duct Entrances to Vaults and Manholes: ~~Space end bells approximately 10 inches on center for 5-inch ducts and varied proportionately for other duct sizes. Change from regular spacing to end-bell spacing 10 feet from the end bell, for ducts smaller than 4-inch, without reducing duct line slope and without forming a trap in the line. The duct shall penetrate the Term-A-Duct diaphragm and terminate with an end bell in the vault. Grout end bells into vault/manhole and handhole walls from both sides to provide watertight entrances. Grout to be per specification Section 03 60 00 "Grouting". Terminate 5-inch and 4-inch ducts in a Term-A-Duct without an end-bell.~~

G. 35 42 37 – RIRAP SLOPE PROTECTION

1. REVISE paragraph 2.04.A to read as follows:

A. Filter blanket material shall be ~~crushed rock manufactured from rock of the same quality as rock for riprap, meeting the gradation requirements for "Gravel Borrow" as defined in Section 9-03.14(1) of the WSDOT Standard Specifications, except that the percent passing the No. 200 sieve shall be 2 percent maximum, and the sand equivalent criteria shall not apply.~~

H. 26 09 23.01 LIGHTING CONTROL PANEL

1. REVISE paragraph 1.04.F to read as follows:

F. Manufacturer: These specifications are based on the Digital Lighting Management System as manufactured by WattStopper; or NX Room Controller as manufactured by Hubbell. Substitutions of the specified equipment...

DRAWINGS

A. DRAWING C4.2 – GRADING AND PAVING PLAN – SHEET 2 (SHEET 57)

1. **ADD** callout for switchboard pad detail as denoted. (See Attachment A to this Addendum No. 6)

B. DRAWING C4.9 – GRADING AND PAVING DETAILS – SHEET 2 (SHEET 64)

1. **ADD** Detail 4 Switchboard Pad Detail as denoted (See Attachment B to this Addendum No. 6)

C. DRAWING E3.4 – ELECTRICAL PLAN – SHEET 2 (SHEET 130)

1. **ADD** communications conduit FOB45 between Vault SV112 and Pole YL08 as denoted. (See Attachment C to this Addendum No. 6)

D. DRAWING E3.8 – ENLARGED ELECTRICAL PLAN YARD ELECTRICAL DISTRIBUTION (SHEET 134)

1. **REVISE** Key Note #10 as denoted. (See Attachment D to this Addendum No. 6)

E. DRAWING E8.1 – CONDUIT AND CONDUCTOR SCHEDULE (SHEET 165)

1. **DELETE** conductors in conduits and CP57 and CP58 as denoted. (See Attachment E to this Addendum No. 6)

F. DRAWING E8.2 – CONDUIT AND CONDUCTOR SCHEDULE (SHEET 166)

1. **ADD** conduit number FOB45 with conductors per key note #14 between Vault SV112 and Pole YL08 as denoted. (See Attachment F to this Addendum No. 6)

G. DRAWING E8.3 – CONDUIT AND CONDUCTOR SCHEDULE (SHEET 167)

1. **ADD** conductors per key note #19 to conduit number WIFIC9 as denoted. (See Attachment G to this Addendum No. 6)

H. DRAWING S1.1 PIER STRUCTURAL NOTES – SHEET 1 (SHEET 173)

1. **REVISE** REINFORCED CONCRETE note 1.C to read as follows:
 - C. EPOXY COATED REINFORCING BARS SHALL CONFORM TO ASTM A 934. ALL STAGE 1 SECTIONS INCLUDING PILE CAP, PONY BENTS, SHEET PILE WALL CAP, CIP CRANE BEAM SEGMENTS, AND PRECAST BATTER PILE SUBCAP REINFORCING BARS, INCLUDING STIRRUPS, AND MECHANICAL COUPLERS, BUT EXCLUDING PILE DOWELS AND SPIRALS, SHALL BE EPOXY COATED.

I. DRAWING S8.1 – PILE CONNECTION DETAILS (SHEET 210)

1. **REVISE** Detail 3 Spiral Details as denoted. (See Attachment H to this Addendum No. 6)

J. DRAWING S45.1 HIGH-MAST LIGHT POLE FOUNDATION DETAILS (SHEET 387)

1. **ADD** note 4 to read as follows:
 4. FOR BIDDING PURPOSES, CONTRACTOR SHALL ASSUME EXISTING HIGH MAST LIGHT POLES ARE ANCHORED WITH (8) 2.25" DIA x 7'-0" LONG J-BOLTS WITH A 6" TAIL LENGTH. CONTRACTOR SHALL FIELD VERIFY ACTUAL ANCHOR BOLT QUANTITY, DIAMETER, AND LENGTH PRIOR TO CONSTRUCTION.

ADDENDUM

A. ADDENDUM NO. 5

1. **REVISE** paragraph E under DRAWINGS to read as follows:
E. DRAWING ~~S14.4~~ S41.1 – STEEL SHEET PILE DETAILS (SHEET 379)
2. **REVISE ATTACHMENT E** to read as follows:
DRAWING ~~S14.4~~ S41.1 – STEEL SHEET PILE DETAILS (SHEET 379)

Receipt for this addendum shall be indicated in the space provided in Section 00 41 00, Bid Form.

END OF SECTION

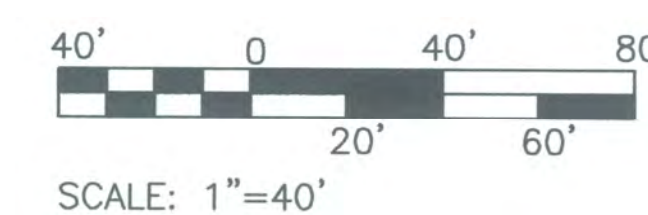
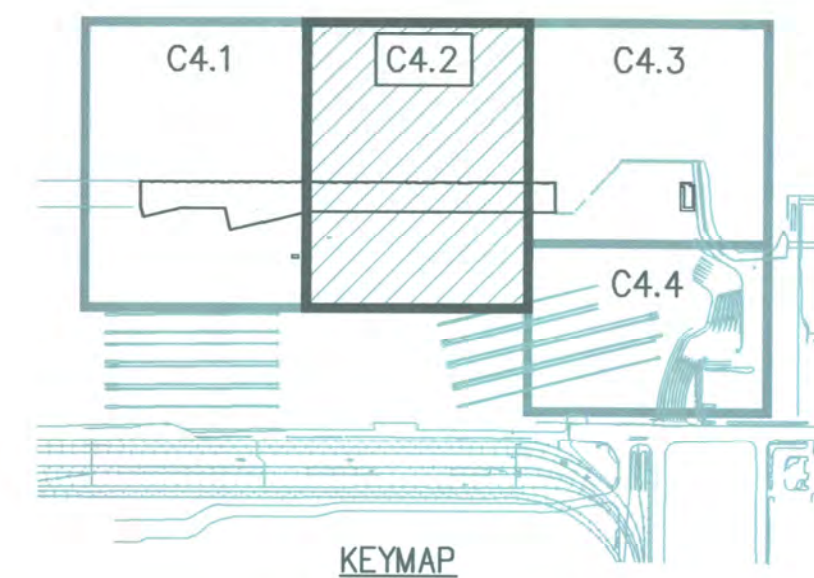
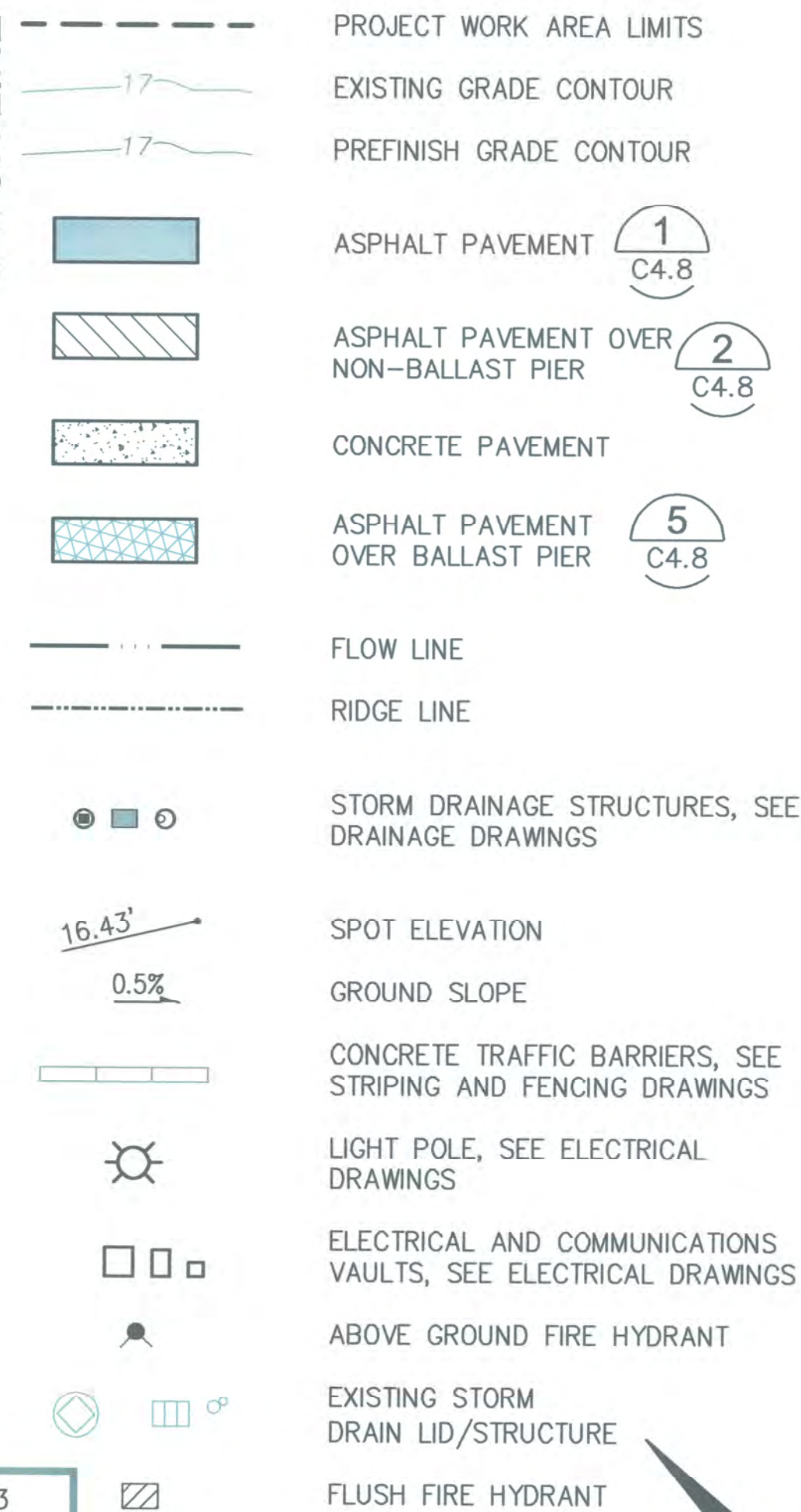
ATTACHMENTS:

ATTACHMENT A – DRAWING C4.2 – GRADING AND PAVING PLAN – SHEET 2 (SHEET 57)
ATTACHMENT B – DRAWING C4.9 – GRADING AND PAVING DETAILS – SHEET 2 (SHEET 64)
ATTACHMENT C – DRAWING E3.4 – ELECTRICAL PLAN – SHEET 2 (SHEET 130)
ATTACHMENT D – DRAWING E3.8 – ENLARGED ELECTRICAL PLAN YARD ELECTRICAL DISTRIBUTION (SHEET 134)
ATTACHMENT E – DRAWING E8.1 – CONDUIT AND CONDUCTOR SCHEDULE (SHEET 165)
ATTACHMENT F – DRAWING E8.2 – CONDUIT AND CONDUCTOR SCHEDULE (SHEET 166)
ATTACHMENT G – DRAWING E8.3 – CONDUIT AND CONDUCTOR SCHEDULE (SHEET 167)
ATTACHMENT H - DRAWING S8.1 – PILE CONNECTION DETAILS (SHEET 210)






1. ALL SPOT ELEVATIONS REPRESENT TOP OF PAVEMENT.
2. STRAIGHT GRADES SHALL BE MAINTAINED BETWEEN SPOT ELEVATIONS UNLESS OTHERWISE NOTED.
3. ALL AREAS DISTURBED OR OVER-EXCAVATED DURING CONSTRUCTION SHALL BE COMPACTED PER SECTION 31 00 00 - EARTHWORK SPECIFICATION.
4. EXCAVATE TO SUBGRADE, PLACE AND COMPACT BASE COURSE AND PAVE WHERE ASPHALT PAVEMENT IS INDICATED.
5. SAWCUT AND APPLY TACK COAT AT ALL ASPHALT PAVEMENT JOINTS. APPLY TACK COAT AT LOCATIONS WHERE ASPHALT PAVEMENT IS PLACED AGAINST CONCRETE.
6. TOP OF FINISH GRADE OF PAVEMENT RESTORATION AREAS SHALL BE FLUSH WITH EXISTING PAVEMENT FOR SMOOTH TRANSITION AT PAVEMENT EDGES.
7. CONTRACTOR SHALL STOCKPILE AND STAGE ALL EQUIPMENT, SUPPLIES AND MATERIALS WITHIN THE PROJECT WORK AREA LIMITS UNLESS NOTED OTHERWISE. WHEN CONTRACT WORK IS COMPLETE CONTRACTOR SHALL CLEAR AND CLEAN THE WORK AREA AND REPAIR ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS, INCLUDING PAVEMENT.
8. ALL ELECTRICAL VAULTS SHALL BE SET SUCH THAT THERE IS POSITIVE DRAINAGE AWAY FROM THE VAULT LIDS. NO VAULTS SHALL BE SET PROUD OF THE ADJACENT PAVEMENT.

MATCH LINE SEE SHEET C4.3



PROJECT NORTH

<div>6552</div> <div>C4.2</div> <div>SH 57 OF 499</div>	PIER 4 PHASE 2			<div>APPROVED:</div> <div></div>	<div>CHECKED BY</div> <div>DATE</div>		<div></div>	<div></div>	2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 396-0150 Fax (253) 396-0162			Port of Tacoma P.O. BOX 1837 TACOMA, WA 98401 (253)353-5841	
	RECONFIGURATION				DATE				DATE:				
	GRADING AND PAVING PLAN - SHEET 2				DATE				BY:				
	SECTION:				DATE				REVISION:				
CONT/CONS: 070136	TOWNSHIP:	RANGE:	SECTION:	DIRECTOR ENG. DATE	PROJ. ENGR	DATE	MARK:	REVISION:	BY:	APPR:	DATE:		
M. ID: 091251	DAT-HRZ: WA83-SF	VERT:	MLW 19.39' @ Tide 22 1933	PRINTED BY: gcarey	May 12,	2016	1	PER ADDENDUM #6	SJS	SWK	05/12/2016		
PHASE: BID	PARCEL:	DRAWING SCALE:	AS NOTED	TACOMA, WA 98401-1837									

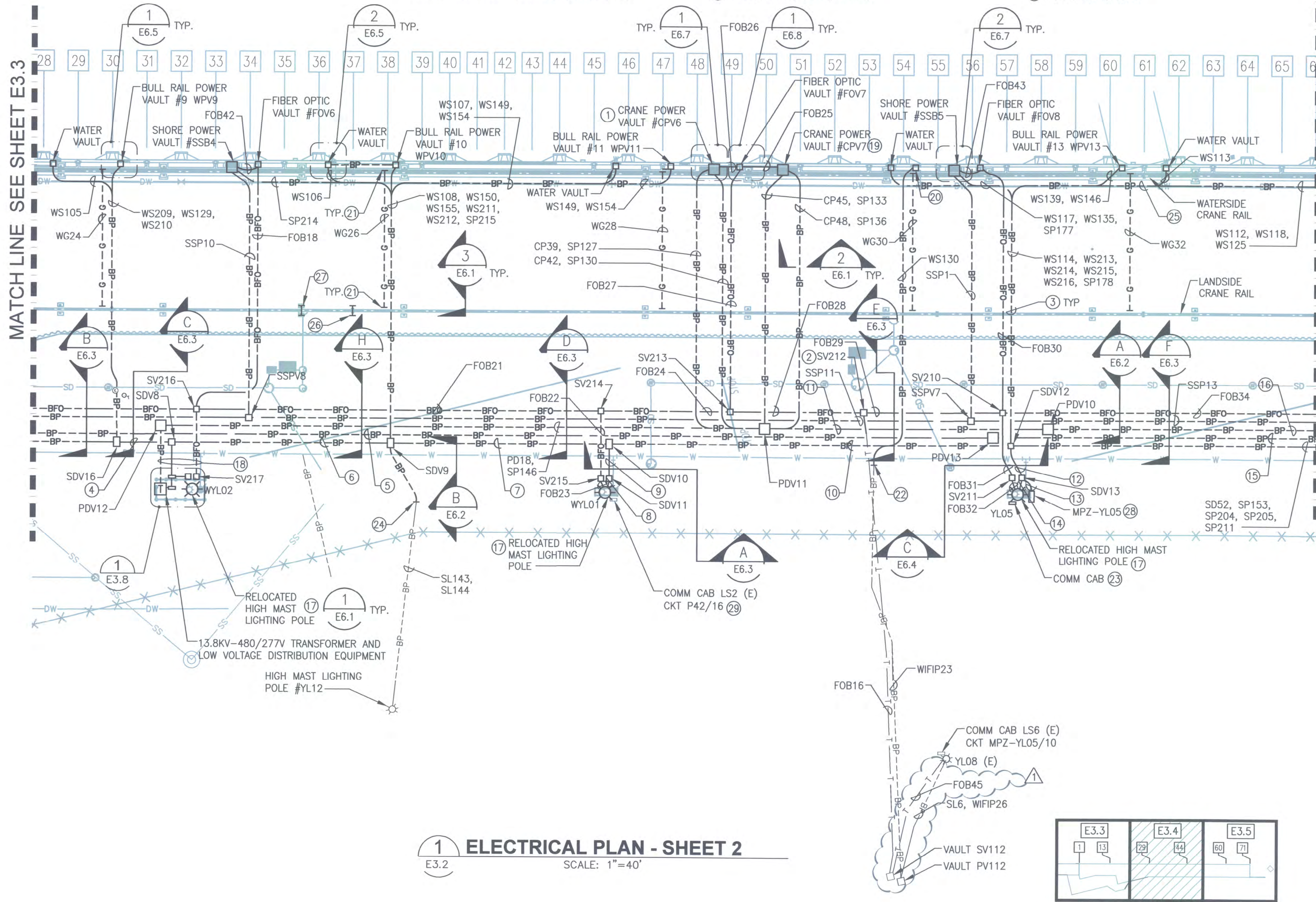


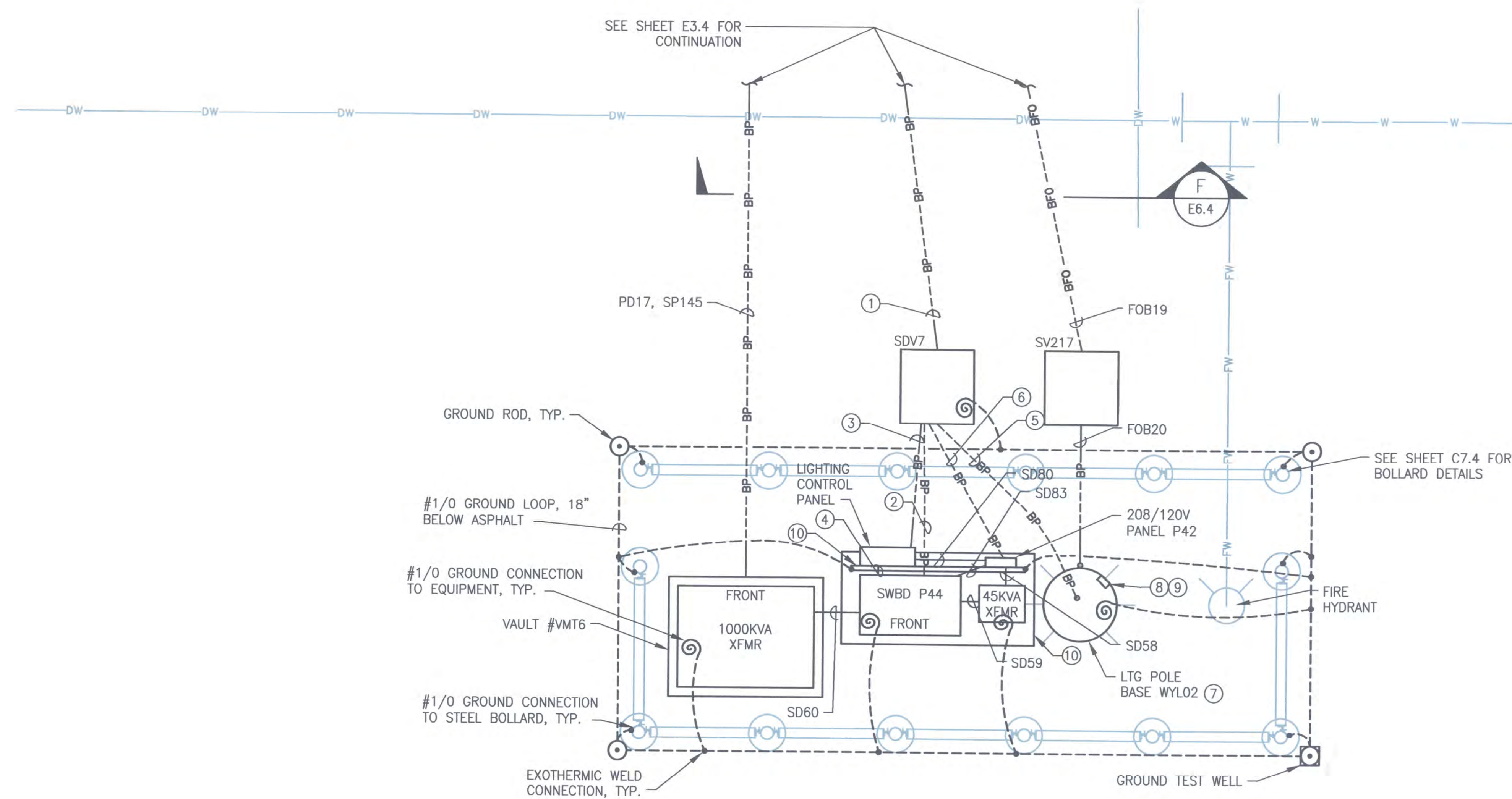
GENERAL NOTES

1. ALL ELECTRICAL CONNECTIONS IN BULLRAIL VAULTS TO USE NO-OX CORROSION INHIBITING LUBRICANT, OR APPROVED EQUAL.
2. REFER TO CIVIL DRAWINGS FOR DUCTBANK AND PROFILE INFORMATION.
3. SEE SHEETS E6.10-E6.13 FOR ROUTING CONDUITS IN UTILITY TRENCHES AT BULLRAIL.

KEY NOTES

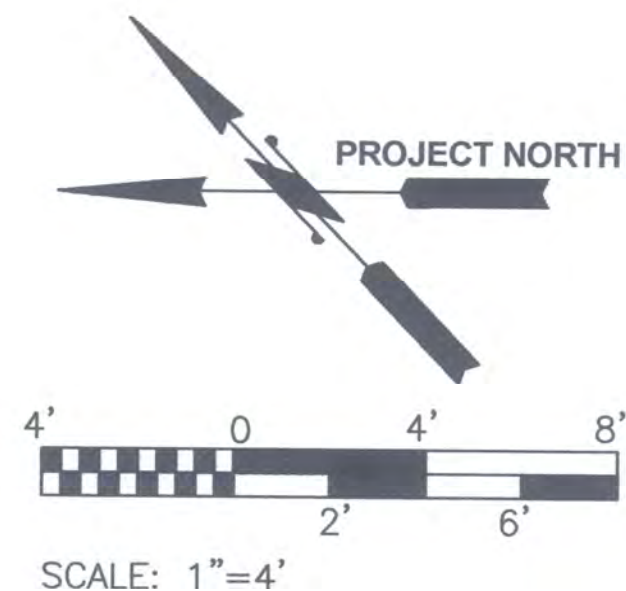
- 1 CRANE POWER VAULT TO SUPPLY CRANES #5, #6.
- 2 INTERCEPT ABANDONED COMMUNICATION DUCTBANK, CUT DUCTBANK AND REMOVE DUCTBANK AS NEEDED TO PROVIDE VAULT. EXTEND DUCTBANK THAT WAS CUT TO TERMINATE AT VAULT. SEE KEY NOTE #16 ON SHEET E2.4 FOR LOCATION WHERE THE DUCTBANK WAS CUT.
- 3 CONDUITS TO BE RUN IN PILE CAP PER DETAIL D, DWG S10.1.
- 4 SD64, SD77, SL107, SL108, SL109, SP165, SP188, SP189, SP212, WS171, WS182, WS193, WS202, WS206
- 5 CP28, CP31, CP34, CP37, PD21, SP116, SP119, SP122, SP125, SP139, SP143, SP149
- 6 SD55, SD71, SL128, SL129, SL130, SP156, SP168, SP198, SP199, SP208, WS109, WS122, WS132, WS142, WS151, WS156, WS161, WS165, WIFIP20
- 7 SD54, SD70, SL125, SL126, SL127, SP155, SP167, SP200, SP201, SP209, WS121, WS131, WS141, WIFIP19
- 8 SL119, SL120, SL121, WIFIP17
- 9 SL122, SL123, SL124, WIFIP18
- 10 SD53, SD69, SL116, SL117, SL118, SP154, SP166, SP203, SP204, SP210, WS120, WS130, WS140
- 11 CP40, CP43, CP46, CP49, PD19, SP128, SP131, SP134, SP137, SP141, SP147
- 12 SD68, SL113, SL114, SL115, SP173, SP174, WS115, WS127, WS136, WS147, WIFIP24
- 13 SD67, SP171, SP172, WS116, WS128, WS137, WS148, WIFIP25
- 14 SL110, SL111, SL112
- 15 CP29, CP32, CP35, CP38, PD22, SP117, SP120, SP123, SP126, SP140, SP144, SP150
- 16 CP41, CP44, CP47, CP50, PD20, SP129, SP132, SP135, SP138, SP142, SP148
- 17 SEE SPECIFICATION 26 56 36 FLOOD LIGHTING FIXTURES FOR QUANTITY OF LIGHTING FIXTURES EXISTING ON THE POLE AND QUANTITY OF FIXTURES REQUIRED AT POLE. SEE SHEET S45.1 FOR LIGHTING POLE BASE DETAIL.
- 18 SEE SHEET E3.8 FOR CONDUIT TAGS FOR THESE CONDUITS.
- 19 CRANE POWER VAULT TO SUPPLY CRANES #7, #8.
- 20 BULL RAIL POWER VAULT #12, WPV12.
- 21 GROUND WIRE CONNECTION AT CRANE RAILS TO BE EXOTHERMIC WELD. SEE STRUCTURAL SHEETS FOR CRANE RAIL DETAILS.
- 22 EXTEND EXISTING POWER DUCTBANK TO VAULT SDV12. SEE KEY NOTE #15 ON SHEET E2.4 FOR LOCATION WHERE THE DUCTBANK WAS CUT. CAP ONE CONDUIT AND ABANDON CONDUIT. EXTEND OTHER CONDUIT TO VAULT SDV12.
- 23 PROVIDE COMMUNICATIONS CABINET, 36"Hx30"Wx8"D, 316L STAINLESS STEEL, WITH PAINTED STEEL PANEL, GASKETING, CONTINUOUS HINGE ON DOOR AND STAINLESS STEEL DOOR CLAMPS. CONNECT TO CIRCUIT MPZ-YL05/8. 3/4"C, 2#12, #12G. MOUNT CABINET AT POLE TO STRUT CHANNELS MOUNTED VERTICALLY AND HORIZONTALLY, WITH VERTICAL CHANNELS ANCHORED TO THE POLE WITH STAINLESS STEEL STRAPS. STRAPS TO BE BY PANDUIT, OR APPROVED EQUAL, LENGTH AS REQUIRED. PROVIDE CORNING TYPE SPH, WALL MOUNTABLE HOUSING WITH ONE CORNING TYPE CCH PANEL, MOUNTED IN CABINET.
- 24 EXTEND EXISTING RACEWAYS FROM THIS LOCATION TO VAULT SDV9 AND PROVIDE WIRING TO RECONNECT LIGHTING POLE #YL12.
- 25 WS112, WS113, WS118, WS125, WS139, WS146
- 26 3/4"C, 1#4G FROM CRANE RAILS TO CRANE PIN SOCKETS, TYPICAL. SEE SHEET S3.1 FOR PIN SOCKET LOCATIONS.
- 27 3/4"C, 1#4G FROM CRANE RAILS TO CRANE TIE DOWNS, TYPICAL. SEE SHEET S3.1 FOR TIE DOWN LOCATIONS.
- 28 MOUNT MPZ AT POLE TO STRUT CHANNELS MOUNTED VERTICALLY AND HORIZONTALLY, WITH THE VERTICAL CHANNELS ANCHORED TO THE POLE WITH STAINLESS STEEL STRAPS. STRAPS TO BE BY PANDUIT, OR APPROVED EQUAL, LENGTH AS REQUIRED. PROVIDE GROUND ROD IN GROUND WELL ADJACENT TO POLE AND CONNECT TO MPZ WITH 1"C, 1#6G.
- 29 REMOVE EXISTING FIBER OPTIC TERMINATION HOUSING IN CABINET AND PROVIDE A CORNING TYPE SPH WALL MOUNTABLE HOUSING WITH ONE CORNING TYPE CCH PANEL MOUNTED IN CABINET.





**ENLARGED ELECTRICAL PLAN
YARD ELEC DISTRIBUTION**
1
E3.4
1/4" = 1'-0"

- ### KEY NOTES
- SL131, SL132, SL133, SD56, SD65, SD72, SD78, SP157, SP169, SP186, SP187, SP206, WS110, WS123, WS133, WS143, WS152, WS157, WS162, WS166, WS172, WS183, WS194, WS203, WS207, WIFIP21
 - SD57, SD66, SD73, SD79, SP158, WS124, WS134, WS144, WS153, WS163, WS173, WS184, WS195, WS204
 - SL137, SL138, SL139, SP170
 - SL140, SL141, SL142
 - SL134, SL135, SL136
 - SP184, SP185, WIFIP22, WS111, WS158, WS167, WS208
 - SEE SPECIFICATION 26 56 36 FLOOD LIGHTING FIXTURES FOR QUANTITY OF LIGHTING FIXTURES EXISTING ON THE POLE AND QUANTITY OF FIXTURES REQUIRED AT POLE. SEE SHEET S45.1 FOR LIGHTING POLE BASE DETAIL.
 - PROVIDE COMMUNICATIONS CABINET, 36"Hx30"Wx8"D, 316L STAINLESS STEEL, WITH PAINTED STEEL PANEL, GASKETING, CONTINUOUS HINGE ON DOOR AND STAINLESS STEEL DOOR CLAMPS. CONNECT TO CIRCUIT P42/14. 3/4"C, 2#12, #12G. MOUNT CABINET AT POLE TO STRUT CHANNELS MOUNTED VERTICALLY AND HORIZONTALLY, WITH VERTICAL CHANNELS ANCHORED TO THE POLE WITH STAINLESS STEEL STRAPS. STRAPS TO BE BY PANDUIT, OR APPROVED EQUAL, LENGTH AS REQUIRED. PROVIDE CORNING TYPE SPH, WALL MOUNTABLE HOUSING WITH ONE CORNING TYPE CCH PANEL, MOUNTED IN CABINET.
 - PROVIDE 3/4"C, 2#12, #12G FROM PANEL P42 TO ADJACENT COMM CABINET AND CONNECT TO DUPLEX RECEPTACLE IN CABINET. CONNECT TO CIRCUIT P42/14.
 - SEE CIVIL/STRUCTURAL DRAWINGS C4.9 FOR SLAB AND SUPPORT STRUCTURE DETAILS. CONTRACTOR SHALL SUBMIT DESIGN DETAILS, INCLUDING STAMPED AND SIGNED STRUCTURAL SHOP DRAWINGS AND CALCULATIONS BY PROFESSIONAL ENGINEER, FOR STRUCTURAL PANEL SUPPORT FRAME TO PORT FOR APPROVAL.



6552 E3.8 SH 134 OF 499	PIER 4 PHASE 2 RECONFIGURATION ENLARGED ELECTRICAL PLAN YARD ELECTRICAL DISTRIBUTION				ELCON ASSOCIATES, INC. ENGINEERS - CONSULTANTS 16900 CHRISTENSEN ROAD, SUITE 330 SEATTLE, WASHINGTON 98188 TEL (206) 243-9022 FAX (206) 243-9205	
	CONT/CONS: 070136	TOWNSHIP: MLW 19.39' @ Tide 22 1933	SECTION: AS NOTED	MARK: 1	REVISION: #6	BY: HAS
	M. ID: 091251	DATE-HRZ: WAB3-SF	VERT: PARCEL: BID	APPR: DKS	DATE: 5/12/16	
	PHASE: BID					

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

CBC	=	OUTGATE COMMUNICATIONS ROOM COMMUNICATIONS	RV	=	REEFER POWER VAULT
CBP	=	OUTGATE COMMUNICATIONS ROOM POWER	SD	=	SECONDARY 600V DISTRIBUTION
CP	=	CRANE POWER	SDV	=	SECONDARY DISTRIBUTION VAULT
CPV	=	CRANE POWER VAULT	SL	=	SITE LIGHTING
CPC	=	CHASSIS CAMERA COMMUNICATIONS	SP	=	SPARE CONDUIT
CPP	=	CHASSIS CAMERA POWER	SSP	=	SHORE SHIP POWER
FOB	=	FIBER OPTIC	SV	=	SIGNAL VAULT
GCV	=	GATE COMMUNICATIONS VAULT	TPU	=	TACOMA PUBLIC UTILITY
GPV	=	GATE POWER VAULT	TPUC	=	TACOMA PUBLIC UTILITY COMMUNICATIONS
HSC	=	HOMELAND SECURITY CAMERA FIBER	TPUPV	=	TACOMA POWER VAULT
IC	=	INTERCOM COMMUNICATIONS	WG	=	WHARF GROUNDING
IP	=	INTERCOM POWER	WP	=	WHARF PRIMARY 15KV DISTRIBUTION
PD	=	PRIMARY 13.8KV DISTRIBUTION	WPV	=	WHARF POWER VAULT
PDV	=	PRIMARY DISTRIBUTION VAULT	WS	=	WHARF SECONDARY 600V DISTRIBUTION
PV	=	POWER VAULT	WIFIC	=	WIFI ANTENNA SYSTEM COMMUNICATIONS
Q	=	QWEST	WIFIP	=	WIFI ANTENNA SYSTEM POWER
QV	=	QWEST VAULT	NUMBERING	=	INDIVIDUAL CONDUIT IDENTIFICATION
RR	=	REEFER RECEPTACLE	////	=	CONTINUOUS HATCHING INDICATES ITEMS

- ① SEE SEPARATE HUSKY TERMINAL WIFI SYSTEM PROJECT DRAWINGS FOR COMMUNICATIONS CONDUCTORS AND SITE PLANS. PORT OF TACOMA JOB #6323-04.
- ② PVC SHCHEDULE 80.
- ③ GRS CONDUIT.
- ④ CONDUIT(S) CUT. ABANDONED IN PLACE.
- ⑤ COORDINATE WORK WITH TACOMA POWER.
- ⑥ PROVIDE LIQUID TIGHT FLEXIBLE METAL CONDUIT AT ALL LIGHT POLE LOCATIONS.
- ⑦ LIQUID TIGHT FLEXIBLE METAL CONDUIT.
- ⑧ CIRCUIT (CONDUIT) NUMBER FROM TERMINAL 3 & 4 REDEVELOPMENT PROJECT, CONTRACT NO. 998203.
- ⑨ CIRCUIT (CONDUIT) NUMBER FROM PIER 3 UPGRADE PROJECT, CONTRACT NO. 069458.
- ⑩ PVC COATED GRS CONDUIT.
- ⑪ EXTEND DUCTBANK TO VAULT SV212.

PROVIDE LABELING PER SPECIFICATION
SECTION 26 05 53

CABLE TIE HOLES,
TYPICAL OF FOUR (4)

SOURCE POINT (I.E. SWITCH #, PANEL/CIRCUIT #,
LIGHTING CONTROL CIRCUIT, ETC.)

END POINT (I.E. LIGHT POLE #, WOOD POLE #, CRANE #,
UNIT SUB, ETC.)

$$\frac{1}{-}$$

NO SCALE

CONDUIT NUMBER	CONDUIT			CONDUCTOR			FROM	TO	REMARKS
	NO.	SIZE	TYPE	NO.	SIZE	TYPE			
IC1	1	2"	(2)(3)	—	—	—	INTERCOM PEDESTAL #1	VAULT ICV1	(8)
IC2	1	2"	(2)(3)	—	—	—	INTERCOM PEDESTAL #2	VAULT ICV1	
IC3	1	2"	(2)(3)	—	—	—	INTERCOM PEDESTAL #3	VAULT ICV1	
IC4	4	2"	(2)(3)	—	—	—	VAULT ICV1	OUTGATE COMMUNICATIONS ROOM	
IC5	1	2"	(2)(3)	—	—	—	INTERCOM PEDESTAL #4	VAULT ICV1	↓
IP1	1	1.5"	(2)(3)	2/1	10/10	XHHW-2	INTERCOM PEDESTAL #1	VAULT IPV1	(8)
IP2	1	1.5"	(2)(3)	2/1	10/10	XHHW-2	INTERCOM PEDESTAL #2	VAULT IPV1	
IP3	1	1.5"	(2)(3)	2/1	10/10	XHHW-2	INTERCOM PEDESTAL #3	VAULT IPV1	↓
IP4	—	—	—	—	—	—	—	—	NOT USED
IP5	1	2"	(2)(3)	2/1	10/10	XHHW-2	TRUCK SCALE	VAULT IPV3	(8)
IP6	1	2"	(2)(3)	2/1	10/10	XHHW-2	VAULT IPV3	PANEL 2G	
IP7	1	1.5"	(2)(3)	4/1	10/10	XHHW-2	VAULT IPV3	PANEL 2G	
IP8	1	1.5"	(2)(3)	2/1	10/10	XHHW-2	INTERCOM PEDESTAL #4	VAULT IPV1	
IP9	1	1.5"	(2)(3)	—	—	—	INTERCOM PEDESTAL #1	VAULT IPV1	
IP10	1	1.5"	(2)(3)	—	—	—	INTERCOM PEDESTAL #2	VAULT IPV1	
IP11	1	1.5"	(2)(3)	—	—	—	INTERCOM PEDESTAL #3	VAULT IPV1	
IP12	1	1.5"	(2)(3)	—	—	—	INTERCOM PEDESTAL #4	VAULT IPV1	↓
CP1	—	—	—	—	—	—	—	—	NOT USED
CP2	1	1.5"	(2)(3)	—	—	—	VAULT IPV2	CHASIS CAMERA PEDESTAL #1	(8)
CP3	1	1.5"	(2)(3)	—	—	—	VAULT IPV2	CHASIS CAMERA PEDESTAL #2	(8)
CP4	—	—	—	—	—	—	—	—	NOT USED
CP5	4	2"	(2)(3)	—	—	—	VAULT IPV2	PANEL 2G	(8)
CP6	1	1"	(2)(3)	2/1	10/10	XHHW-2	LIGHTING CONTROLLER "OG"	VAULT IPV2	(8)
CP7	—	—	—	—	—	—	—	—	(8)
CP8	1	1.5"	(2)(3)	2/1	10/10	XHHW-2	VAULT IPV2	CHASIS CAMERA PEDESTAL #1	NOT USED
CP9	1	1.5"	(2)(3)	2/1	10/10	XHHW-2	VAULT IPV2	CHASIS CAMERA PEDESTAL #2	(8)
CP1 THRU CP26									(9)
CP27	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV14	CPV4	CRANE 1
CP28	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV13	PDV14	CRANE 1
CP29	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV16	PDV13	CRANE 1
CP30	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV14	CPV4	CRANE 2
CP31	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV13	PDV14	CRANE 2
CP32	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV16	PDV13	CRANE 2
CP33	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV14	CPV5	CRANE 3
CP34	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV13	PDV14	CRANE 3
CP35	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV16	PDV13	CRANE 3
CP36	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV14	CPV5	CRANE 4
CP37	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV13	PDV14	CRANE 4
CP38	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV16	PDV13	CRANE 4
CP39	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV11	CPV6	CRANE 5
CP40	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV10	PDV11	CRANE 5
CP41	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV15	PDV10	CRANE 5
CP42	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV11	CPV6	CRANE 6
CP43	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV10	PDV11	CRANE 6
CP44	1	4"	(2)	3/1/1	0/0/10	15KV/600V	PDV15	PDV10	CRANE 6
CP45	1	4"	(2)	—	—	—	PDV11	CPV7	FUTURE CRANE 7
CP46	1	4"	(2)	—	—	—	PDV10	PDV11	FUTURE CRANE 7
CP47	1	4"	(2)	—	—	—	PDV15	PDV10	FUTURE CRANE 7
CP48	1	4"	(2)	—	—	—	PDV11	CPV7	FUTURE CRANE 8
CP49	1	4"	(2)	—	—	—	PDV10	PDV11	FUTURE CRANE 8
CP50	1	4"	(2)	—	—	—	PDV15	PDV10	FUTURE CRANE 8
CP51	1	4"	(2)(10)	3/1/1	0/0/10	15KV/600V	SWITCH F5	PDV16	CRANE 1
CP52	1	4"	(2)(10)	3/1/1	0/0/10	15KV/600V	SWITCH F6	PDV16	CRANE 2
CP53	1	4"	(2)(10)	3/1/1	0/0/10	15KV/600V	SWITCH F7	PDV16	CRANE 3
CP54	1	4"	(2)(10)	3/1/1	0/0/10	15KV/600V	SWITCH F8	PDV16	CRANE 4
CP55	1	4"	(2)(10)	3/1/1	0/0/10	15KV/600V	SWITCH F11	PDV15	CRANE 5
CP56	1	4"	(2)(10)	3/1/1	0/0/10	15KV/600V	SWITCH F12	PDV15	CRANE 6
CP57	1	4"	(2)(10)	3/1/1	0/0/10	15KV/600V	FUTURE SWITCH F13	PDV15	FUTURE CRANE 7
CP58	1	4"	(2)(10)	3/1/1	0/0/10	15KV/600V	FUTURE SWITCH F14	PDV15	FUTURE CRANE 8
CBC1	1	2"	(2)(3)	—	—	—	VAULT CV1	CHASIS LIGHT PEDESTAL #1	(8)
CBC2	1	2"	(2)(3)	—	—	—	VAULT CV1	CHASIS CAMERA SUPPORT #1	
CBC3	1	2"	(2)(3)	—	—	—	VAULT CV1	VIT #1	
CBC4	1	2"	(2)(3)	—	—	—	VAULT CV2	CHASIS LIGHT PEDESTAL #2	
CBC5	1	2"	(2)(3)	—	—	—	VAULT CV2	CHASIS CAMERA SUPPORT #2	
CBC6	1	2"	(2)(3)	—	—	—	VAULT CV2	VIT #2	
CBC7	1	2"	(2)(3)	—	—	—	VAULT CV3	CHASIS LIGHT PEDESTAL #3	
CBC8	1	2"	(2)(3)	—	—	—	VAULT CV3	CHASIS CAMERA SUPPORT #3	
CBC9	1	2"	(2)(3)	—	—	—	VAULT CV3	VIT #3	
CBC10	1	2"	(2)(3)	—	—	—	VAULT CV4	CHASIS LIGHT PEDESTAL #4	
CBC11	1	2"	(2)(3)	—	—	—	VAULT CV4	CHASIS CAMERA SUPPORT #4	
CBC12	1	2"	(2)(3)	—	—	—	VAULT CV4	VIT #4	
CBC13	2	2"	(2)(3)	—	—	—	VAULT CV4	VAULT CV3	
CBC14	3	2"	(2)(3)	—	—	—	VAULT CV3	VAULT CV2	
CBC15	4	2"	(2)(3)	—	—	—	VAULT CV2	VAULT CV1	
CBC16	4	2"	(2)(3)	—	—	—	VAULT CV1	OUTGATE COMMUNICATIONS ROOM	↓

CONDUIT AND CONDUCTOR SCHEDULE										
CONDUIT NUMBER	CONDUIT			CONDUCTOR			FROM	TO	REMARKS	
	NO.	SIZE	TYPE	NO.	SIZE	TYPE				
PD1	6	5"	(2)	—	—	—	TPUPV1	TPUPV2	(8)	
PD2	6	5"	(2)	—	—	—	TPUPV2	TPUPV3		
PD3	6	5"	(2)	—	—	—	TPUPV3	TPUPV4		
PD4	6	5"	(2)	—	—	—	TPUPV4	STUB AT WHARF	↓	
PD5	—	—	—	—	—	—	—	—	NOT USED	
PD6	—	—	—	—	—	—	—	—	NOT USED	
PD7	2	3"	(2)(3)	—	—	—	EXISTING TOL SWITCH	TOL METERING SECTION	(8) (8)	
PD8	—	—	—	—	—	—	—	—	NOT USED	
PD9	4	5"	(2)	—	—	—	TPUPV6	TPUPV7	(8)	
PD10	4	5"	(2)	—	—	—	TPUPV7	TPUPV8		
PD11	4	5"	(2)	—	—	—	TPUPV8	VAULT 2127V		
PD12	4	5"	(2)	—	—	—	TPUPV4	TPUPV9		
PD13	2	3"	(2)(3)	—	—	—	TOL METERING SECTION	TRANSFORMER WITH	(8)	
PD14	4	5"	(2)(3)	—	—	—	TPUPV4	NEW WHARF		
PD15	2	5"	(2)	—	—	—	EXISTING TPU XFMR	TPUPV10		
PD16	2	5"	(2)	—	—	—	TPUPV10	1500KVA XFMR (SUBSTATION #8411)	↓	
PD1 THRU PD11									(9)	
PD17	1	4"	(2)	3/1	2/2	15KV/600V	PDV12	13.8KV—480V XFMR	13.8KV—480V SITE XFMR	
PD18	1	4"	(2)	3/1	2/2	15KV/600V	PDV11	PDV12	13.8KV—480V SITE XFMR	
PD19	1	4"	(2)	3/1	2/2	15KV/600V	PDV10	PDV11	13.8KV—480V SITE XFMR	
PD20	1	4"	(2)	3/1	2/2	15KV/600V	PDV15	PDV10	13.8KV—480V SITE XFMR	
PD21	1	4"	(2)	—	—	—	PDV13	PDV14	REEFER 13.8KV XFMR	
PD22	1	4"	(2)	—	—	—	PDV16	PDV13	REEFER 13.8KV XFMR	
PD23	1	4"	(2)(40)	—	—	—	SWITCH F3	PDV16	REEFER 13.8KV XFMR	
PD24	1	4"	(2)(40)	3/1	2/2	15KV/600V	SWITCH F10	PDV15	13.8KV—480V SITE XFMR	
PD25	4	5"	(10)	3	350	15KV	15KV FUSED SWITCH	15KV SWITCHGEAR		
TPUC1	1	4"	(2)	—	—	—	TPUCV1	TPUCV2	(8)	
TPUC2	1	4"	(2)	—	—	—	TPUCV2	TPUCV3	⚠	
TPUC3	1	4"	(2)	—	—	—	TPUCV3	TPUCV4		
TPUC4	1	4"	(2)	—	—	—	TPUCV4	TPUCV9		
TPUC5	1	4"	(2)	—	—	—	TPUCV5	TPUPV6		
TPUC6	1	4"	(2)	—	—	—	TPUPV6	TPUPV7		
TPUC7	1	4"	(2)	—	—	—	TPUPV7	TPUPV8		
TPUC8	1	4"	(2)	—	—	—	TPUPV8	STUBBED AT TPU DUCTBANK	(4)	
TPUC9	1	4"	(2)	—	—	—	STUB AT EXISTING TPU XFMR	TPUCV10		
TPUC10	1	4"	(2)	—	—	—	TPUCV10	SWITCHBOARD (SUBSTATION #8411)		
TPUC11	1	3"	(2)(3)	—	—	—	TPUCV8	TOL METERING SECTION	(8) (8)	
TPUC12	1	4"	(2)(3)	—	—	—	TPUCV5	CT CAN	(8) ↓	
TPUC1 THRU TPUC5									(9)	
TPUC15	4	5"	(2)				1419MH, PVP27	TPUPV11	TPU SERVICE CONDUITS	
TPUC16	4	5"	(2)				TPUPV11	TPUMV3	TPU SERVICE CONDUITS	
TPUC17	4	5"	(2)(10)	3	350	15KV	TPUMV3	SUBSTATION #8410 15KV SWITCH	TPU SERVICE CONDUITS	
TPUC18	4	5"	(2)				TPUPV11	TPUMV4	TPU SERVICE CONDUITS	
TPUC19	4	5"	(2)				TPUMV4	VTM5	TPU SERVICE CONDUITS	

SCHEDULE KEY NOTES

- ⑨ CIRCUIT (CONDUIT) NUMBER FROM PIER 3 UPGRADE PROJECT, CONTRACT NO. 069458.

⑫ EXTEND CONDUITS TO MARINE OPS BUILDING.

- ③ GRS CONDUIT.

- 3-CELL FABRIC INNERDUCTS IN EACH 4" DUCT.

- (31) PROVIDE (1) 144-FIBER SM FO CABLE, (9) 12-FIBER S
FO CABLE, (5) 6-FIBER SM FO CABLES. PROVIDE (2)
3-CELL FABRIC INNERDUCTS IN EACH 4" DUCT.

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CONDUIT AND CONDUCTOR SCHEDULE										
CONDUIT NUMBER	CONDUIT			CONDUCTOR			FROM	TO	REMARKS	
	NO.	SIZE	TYPE	NO.	SIZE	TYPE				
RR1	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR1	SWITCHBOARD #8411	(8)	
RR2	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR2	BR1		
RR3	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR3	SWITCHBOARD #8411		
RR4	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR4	BR3		
RR5	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR5	BR6		
RR6	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR6	VAULT RV1		
RR7	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR7	VAULT RV1		
RR8	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR8	BR7		
RR9	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR9	VAULT RV1		
RR10	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR10	BR9		
RR11	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR11	VAULT RV1		
RR12	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR12	BR11		
RR13	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR13	BR12		
RR14	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR14	VAULT RV2		
RR15	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR15	VAULT RV2		
RR16	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR16	BR15		
RR17	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR17	VAULT RV2		
RR18	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR18	BR17		
RR19	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR19	VAULT RV2		
RR20	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR20	BR19		
RR21	1	2.5"	(2) (3)	3/1	0000/6	XHHW-2	BR21	VAULT RV2		
RR22	4	2.5"	(2)	3/1	0000/6	XHHW-2	RV2	VAULT RV1		
RR23	5	2.5"	(2)	3/1	0000/6	XHHW-2	RV1	SWITCHBOARD #8411	↓	
WG1	1	1"	(3)	1	4	BARE CU	CRANE RAIL	CRANE RAIL	(8)	
WG2	1	1"	(3)	1	4	BARE CU	CRANE RAIL	CRANE RAIL		
WG3	1	1"	(3)	1	4	BARE CU	CRANE RAIL	CRANE RAIL	↓	
WG1 THRU WG16									(9)	
WP1	1	4"	(2) (3)	—	—	—	CPV1	PV202	PIER 3 (8)	
WP2	1	4"	(2) (3)	—	—	—	CPV2	PV202		
WP3	1	4"	(2) (3)	—	—	—	CPV3	PV202		
WP4	1	4"	(2) (3)	—	—	—	CPV4	PV202		
WP5	6	4"	(2)	—	—	—	PV202	PV201	↓	
WP6	1	4"	(2) (3)	—	—	—	5KV SWITCHES			
WP7	1	4"	(2) (3)	—	—	—	5KV SWITCHES			
WP8	1	4"	(2) (3)	—	—	—	5KV SWITCHES			
WP9	1	4"	(2) (3)	—	—	—	5KV SWITCHES		↓	
HSC1	1	4"	(2)	—	—	—	T4 MARINE BUILDING	SV202	(8)	
HSC2	1	4"	(2)	—	—	—	SV202	SV201		
HSC3	1	4"	(2)	—	—	—	—	SV119		
HSC4	1	4"	(2)	—	—	—	PV119	SV108		
HSC6	1	4"	(2)	—	—	—	—	SV108		
HSC7	1	2"	(2)	—	—	—	SV108	CAMERA ON WOOD POLE	↓	
WIFIC1	2	4"	(2)	—	—	(14)	HUSKY ADMIN. BUILDING	SV103	(1) (8)	
WIFIC2	2	4"	(2)	—	—	(16)	SV103	SV116		
WIFIC3	2	4"	(2)	—	—	(18)	SV116	SV115		
WIFIC4	1	4"	(2)	—	—	(17)	SV115	SV117		
WIFIC5	2	4"	(2)	—	—	(18)	SV115	SV114		
WIFIC6	1	4"	(2)	—	—	(18)	SV114	OUTGATE COMM. ROOM		
WIFIC7	2	4"	(2)	—	—	(19)	SV114	SV113		
WIFIC8	2	4"	(2)	—	—	(19)	SV113	SV104		
WIFIC9	2	4"	(2)	—	—	(19)	SV104	SV101		
WIFIC10	1	4"	(2)	—	—	(20)	SV101	MAINTENANCE BUILDING		
WIFIC11	2	4"	(2)	—	—	(21)	SV101	SV203		
WIFIC12	2	4"	(2)	—	—	(21)	SV203	SV204		
WIFIC13	2	4"	(2)	—	—	(21)	SV204	SV136		
WIFIC14	1	2"	(2)	—	—	(22)	SV136	WIFI MONO POLE		
WIFIC15	1	4"	(2)	—	—	(21)	SV136	SV135		
WIFIC16	1	4"	(2)	—	—	(21)	SV135	SV134		
WIFIC17	1	4"	(2)	—	—	(21)	SV134	SV132		
WIFIC18	1	4"	(2)	—	—	—	SV132	SV129		
WIFIC19	1	4"	(2)	—	—	—	SV129	EXISTING T3 MARINE BUILDING		
WIFIC20	1	2"	(2)	—	—	—	SV117	EXISTING YL25 WIFI ANTENNA AP-1		
WIFIC21	1	4"	(2)	—	—	(15)	SV103	SV110		
WIFIC22	1	4"	(2)	—	—	—	SV110	SV109	(4) SEE CONDUIT FOB36	
WIFIC23	1	2"	(2)	—	—	—	SV109	WIFI ANTENNA AP-2		
WIFIC24	1	4"	(2)	—	—	—	SV108	SV108		
WIFIC25	1	4"	(2)	—	—	—	SV108	SV119		
WIFIC26	1	4"	(2)	—	—	—	SV119	SV119		
WIFIC28	1	4"	(2)	—	—	—	SV201	SV202		
WIFIC29	1	4"	(2)	—	—	—	SV202	T4 MARINE BUILDING	↓	

CONDUIT AND CONDUCTOR SCHEDULE										
CONDUIT NUMBER	CONDUIT			CONDUCTOR			FROM	TO	REMARKS	
	NO.	SIZE	TYPE	NO.	SIZE	TYPE				
WIFIP1	1	2"	(2)(3)	2/1	6/10	XHHW-2	PANEL 4G	PV114	(8)	
WIFIP2	1	4"	(2)(3)	2/1	6/10	XHHW-2	PV114	PV115		
WIFIP3	1	4"	(2)(3)	2/1	6/10	XHHW-2	PV115	PV119		
WIFIP4	1	2"	(2)(3)	2/1	6/10	XHHW-2	PANEL 4BR	PV122		
WIFIP5	1	4"	(2)(3)	2/1	6/10	XHHW-2	PV122	PV123		
WIFIP6	1	4"	(2)(3)	2/1	6/10	XHHW-2	PV123	PV124		
WIFIP7	1	4"	(2)(3)	2/1	6/10	XHHW-2	PV124	PV125		
WIFIP8	1	4"	(2)(3)	2/1	6/10	XHHW-2	PV122	PV121		
WIFIP9	1	4"	(2)(3)	2/1	6/10	XHHW-2	PV121	PV120		
WIFIP10	1	2"	(2)(3)	-	-	-	PANEL 2WA	-	(4)	
WIFIP11	1	4"	(2)(3)	-	-	-	-	-		
WIFIP12	1	4"	(2)(3)	-	-	-	-	-		
WIFIP13	1	4"	(2)(3)	2/1	6/10	XHHW-2	PV119	PV108		
WIFIP14	1	4"	(2)(3)	2/1	6/10	XHHW-2	PV108	PV109		
WIFIP15	1	1"	(3)	2/1	6/8	XHHW-2	PANEL 4WA	PULLBOX T1		
WIFIP16	1	1"	(3)	2/1	6/8	XHHW-2	PULLBOX T1	PULLBOX T2		
WIFIP17	1	1"	(3)	2/1	6/8	XHHW-2	PULLBOX T2	PULLBOX T3		
WIFIP18	1	2"	(2)(3)	2/1	6/8	XHHW-2	PULLBOX T3	PV119		
WIFIP19	1	2"	(2)(10)	2/1	8/8	XHHW-2	SDV22	LTG POLE #WYL05 COMM CAB	COMM CAB REC	
WIFIP11	1	2"	(2)	2/1	8/8	XHHW-2	SDV21	SDV22	COMM CAB REC	
WIFIP12	1	2"	(2)	2/1	8/8	XHHW-2	SDV19	SDV21	COMM CAB REC	
WIFIP13	1	2"	(2)(10)	2/1	10/10	XHHW-2	SDV20	LTG POLE #WYL04 COMM CAB	COMM CAB REC	
WIFIP14	1	2"	(2)	2/1	10/10	XHHW-2	SDV19	SDV20	COMM CAB REC	
WIFIP15	1	2"	(2)	4/1	10/10	XHHW-2	SDV18	SDV19	COMM CAB REC	
WIFIP16	1	2"	(2)(10)	4/1	10/10	XHHW-2	SDV18	MPZ-YL03	COMM CAB REC	
WIFIP17	1	2"	(2)(10)	2/1	10/10	XHHW-2	SDV11	LTG POLE #WYL01 COMM CAB	COMM CAB REC	
WIFIP18	1	2"	(2)	2/1	10/10	XHHW-2	SDV10	SDV11	COMM CAB REC	
WIFIP19	1	2"	(2)	2/1	10/10	XHHW-2	SDV9	SDV10	COMM CAB REC	
WIFIP20	1	2"	(2)	2/1	10/10	XHHW-2	SDV8	SDV9	COMM CAB REC	
WIFIP21	1	2"	(2)	2/1	10/10	XHHW-2	SDV7	SDV8	COMM CAB REC	
WIFIP22	1	2"	(2)(10)	2/1	8/8	XHHW-2	PANEL P42	SDV7	COMM CAB REC	
WIFIP23	1	4"	(2)	2/1	8/8	XHHW-2	PV112	SDV12	COMM CAB REC	
WIFIP24	1	2"	(2)	2/1	8/8	XHHW-2	SDV12	SDV13	COMM CAB REC	
WIFIP25	1	2"	(2)(10)	2/1	8/8	XHHW-2	SDV13	LTG POLE #YL05 COMM CAB	COMM CAB REC	
WIFIP26	1	2"	(2)(10)	2/1	8/8	XHHW-2	LTG POLE #YL08 COMM CAB	PV112	COMM CAB REC	
L7	1	2"	(2)	3/1	0/6	XHHW	LIGHTING CTR 1	POLE YL02	(12) YARD LTG	
L7	1	2"	(2)	3/1	6/8	XHHW	LIGHTING CTR 1	POLE YL02	(12) SECURITY LTG	
L8	1	2"	(2)	3/1	0/6	XHHW	POLE YL02	POLE YL01	(13) YARD LTG	
L8	1	2"	(2)	3/1	6/8	XHHW	POLE YL02	POLE YL01	(13) SECURITY LTG	
R5	1	1"	(2)	3/1	10/10	XHHW	PANEL 2R	POLE YL02	(12) RECEPTACLE	
R6	1	1"	(2)	2/1	10/10	XHHW	POLE YL02	POLE YL01	(13) RECEPTACLE	

- GENERAL NOTES
1. SEE DRAWING E8.1 FOR LEGEND AND GENERAL NOTES.

2. CONTRACTOR TO UPDATE WFI CONDUIT SCHEDULES PER AS-BUILT CONDITIONS.
- SCHEDULE KEY NOTES
- (1) CONDUIT IS EXISTING.

(2) PVC SHCHEDULE 80.

(3) GRS CONDUIT.

(4) CONDUIT(S) CUT. ABANDONED IN PLACE.

(5) COORDINATE WORK WITH TACOMA POWER.

(6) PROVIDE LIQUID TIGHT FLEXIBLE METAL CONDUIT AT ALL LIGHT POLE LOCATIONS.

(7) LIQUID TIGHT FLEXIBLE METAL CONDUIT.

(8) CIRCUIT (CONDUIT) NUMBER FROM TERMINAL 3 & 4 REDEVELOPMENT PROJECT, CONTRACT NO. 998203.

(9) CIRCUIT (CONDUIT) NUMBER FROM PIER 3 UPGRADE PROJECT, CONTRACT NO. 069458.

(10) PVC COATED GRS CONDUIT.

(11) EXTEND DUCTBANK TO VAULT SV212.

(12) POLE FORMERLY NUMBERED LP22 (CONTRACT #998040).

(13) POLE FORMERLY NUMBERED LP23 (CONTRACT #998040).

- SCHEDULE KEY NOTES
- (14) EXISTING (3) 50-PR COPPER CABLES, (3) 12-FIBER MM FO CABLES, (2) 12-FIBER SM FO CABLES, (1) 6-FIBER SM FO CABLE. PROVIDE (1) 12-PR COPPER CABLE, (2) 144-FIBER SM FO CABLES, (1) 6-FIBER SM FO CABLE. PROVIDE (2) 3-CELL MAXCELL INNERDUCTS IN EACH EMPTY CONDUIT.

(15) PROVIDE (1) 12-PR COPPER CABLE, (1) 144-FIBER SM FO CABLE, (1) 6-FIBER SM FO CABLE. PROVIDE (2) 3-CELL MAXCELL INNERDUCTS IN EACH EMPTY 4" CONDUITS.

(16) EXISTING (3) 50-PR COPPER CABLES, (3) 12-FIBER MM FO CABLES, (1) 12-FIBER SM FO CABLE, (1) 6-FIBER SM FO CABLE. PROVIDE (1) 144-FIBER SM FO CABLE. PROVIDE (2) 3-CELL MAXCELL INNERDUCTS IN EACH EMPTY CONDUIT.

(17) EXISTING (2) 6-FIBER SM FO CABLES.

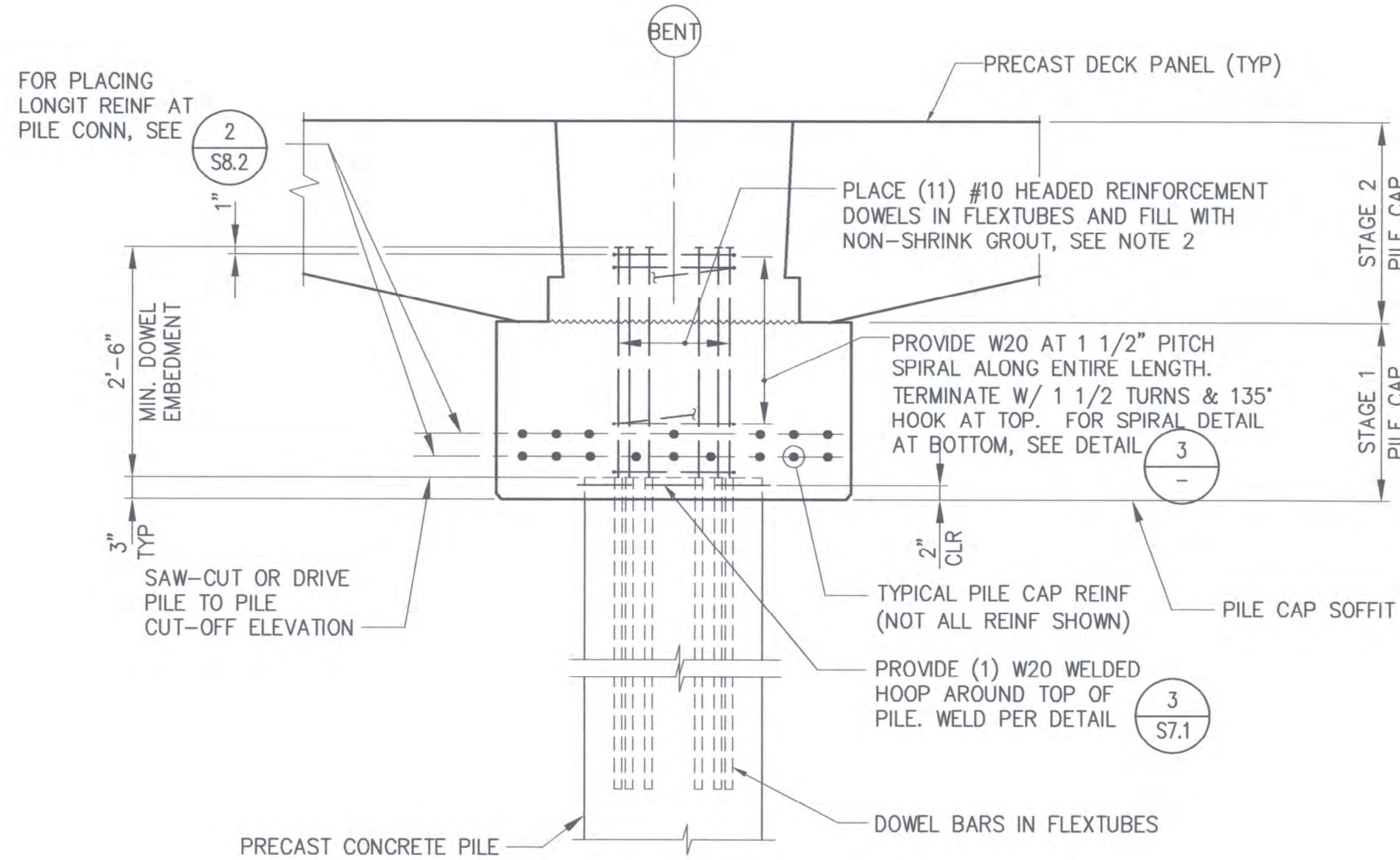
(18) EXISTING (1) 50-PR COPPER CABLE, (1) 12-FIBER MM FO CABLE.

(19) EXISTING (2) 50-PR COPPER CABLES, (2) 12-FIBER MM FO CABLE, (1) 12-FIBER SM CABLE, (1) 6-FIBER SM FO CABLE. PROVIDE (1) 144-FIBER SM FO CABLE. PROVIDE (2) 3-CELL MAXCELL INNERDUCTS IN EACH EMPTY CONDUIT.

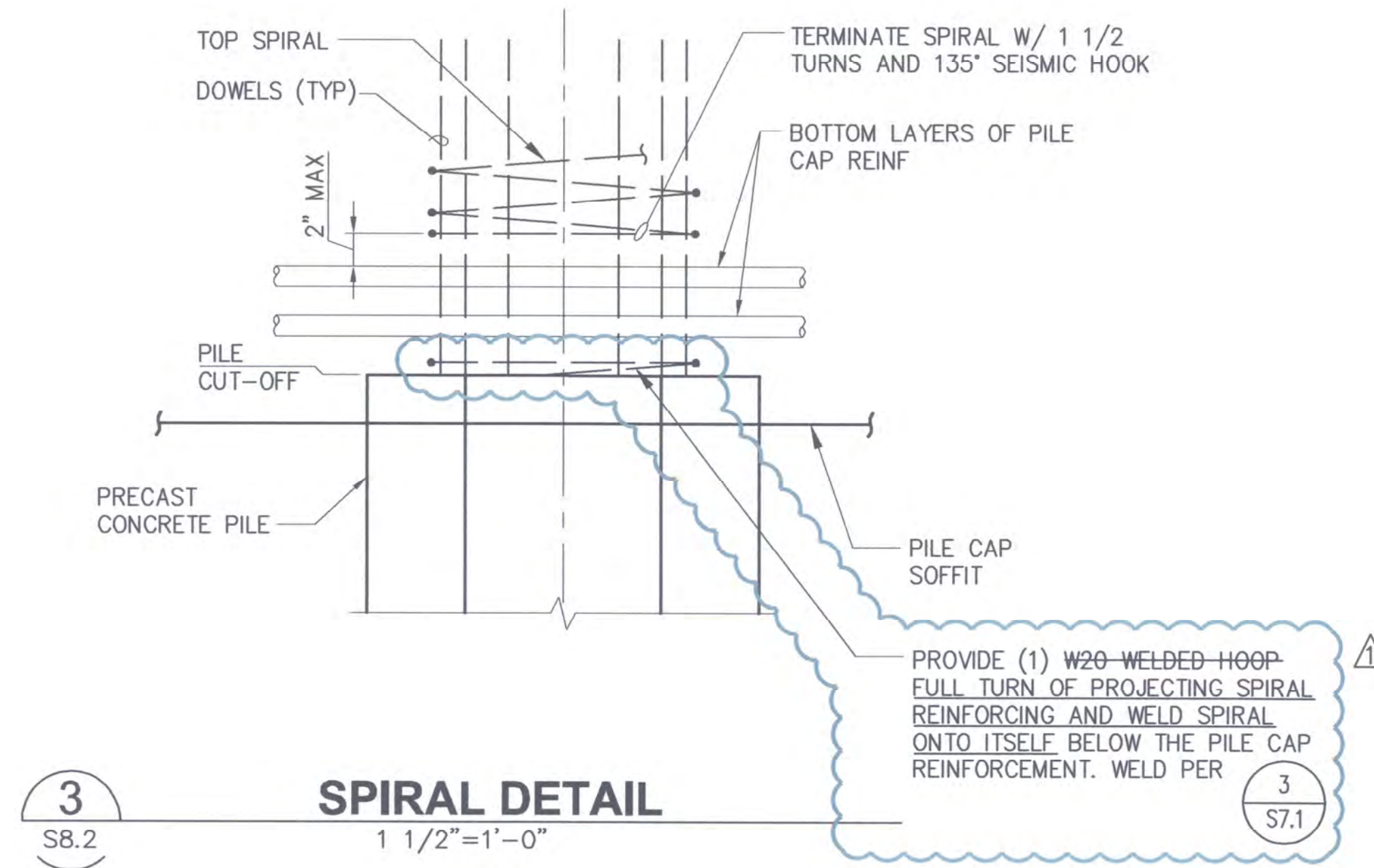
(20) EXISTING (1) 50-PR COPPER CABLE, (1) 12-FIBER MM FO CABLE, (1) 6-FIBER SM FO CABLE.

(21) EXISTING (1) 50-PR COPPER CABLE, (1) 12-FIBER MM FO CABLE, (1) 12-FIBER SM FO CABLE. PROVIDE (1) 144-FIBER SM FO CABLE. PROVIDE (2) 3-CELL MAXCELL INNERDUCTS IN EACH EMPTY CONDUIT.

(22) EXISTING (1) 12-FIBER SM FO CABLE.

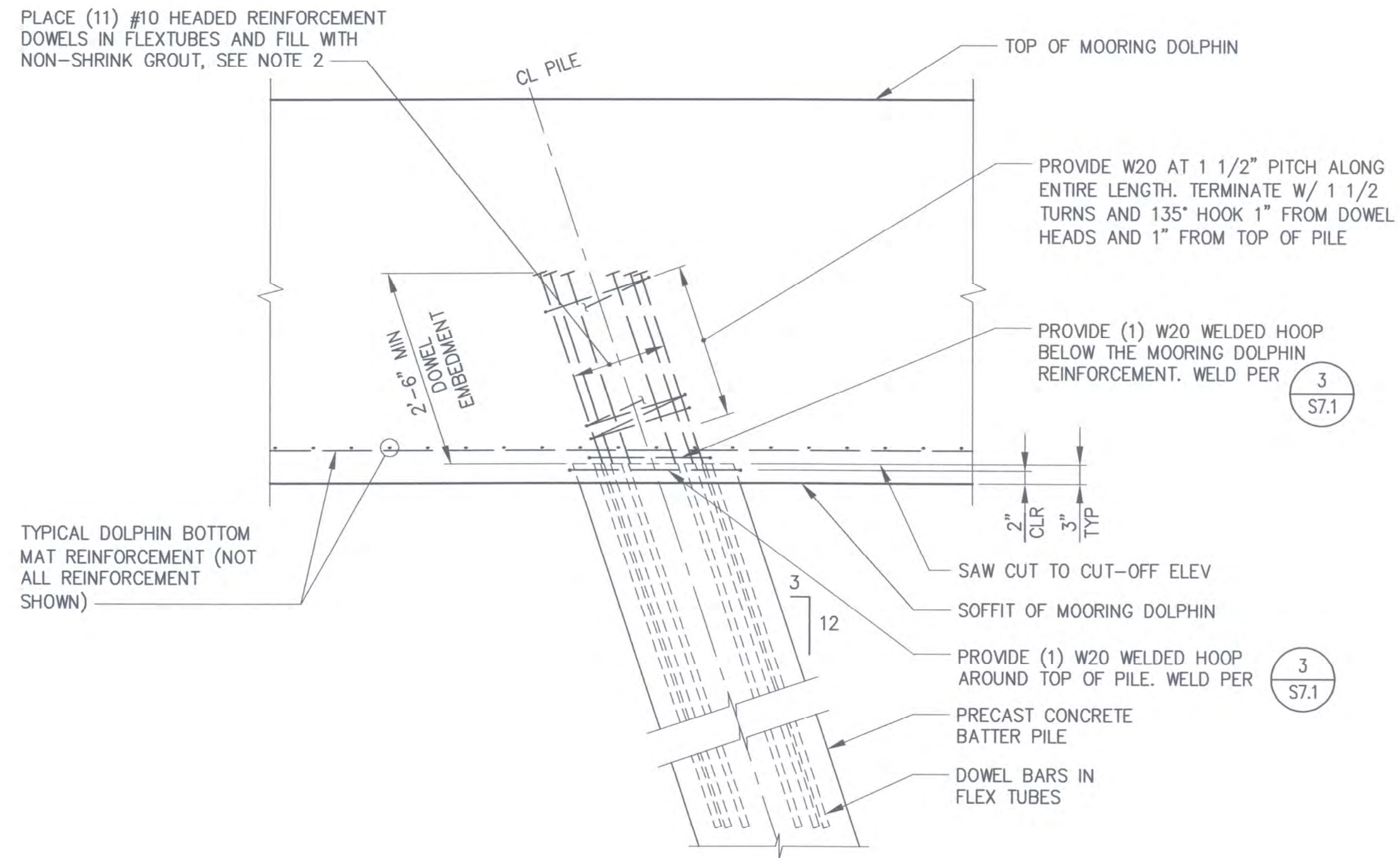


1 DETAIL -TYPICAL PILE CUT-OFF
S7.1 3/4"=1'-0"

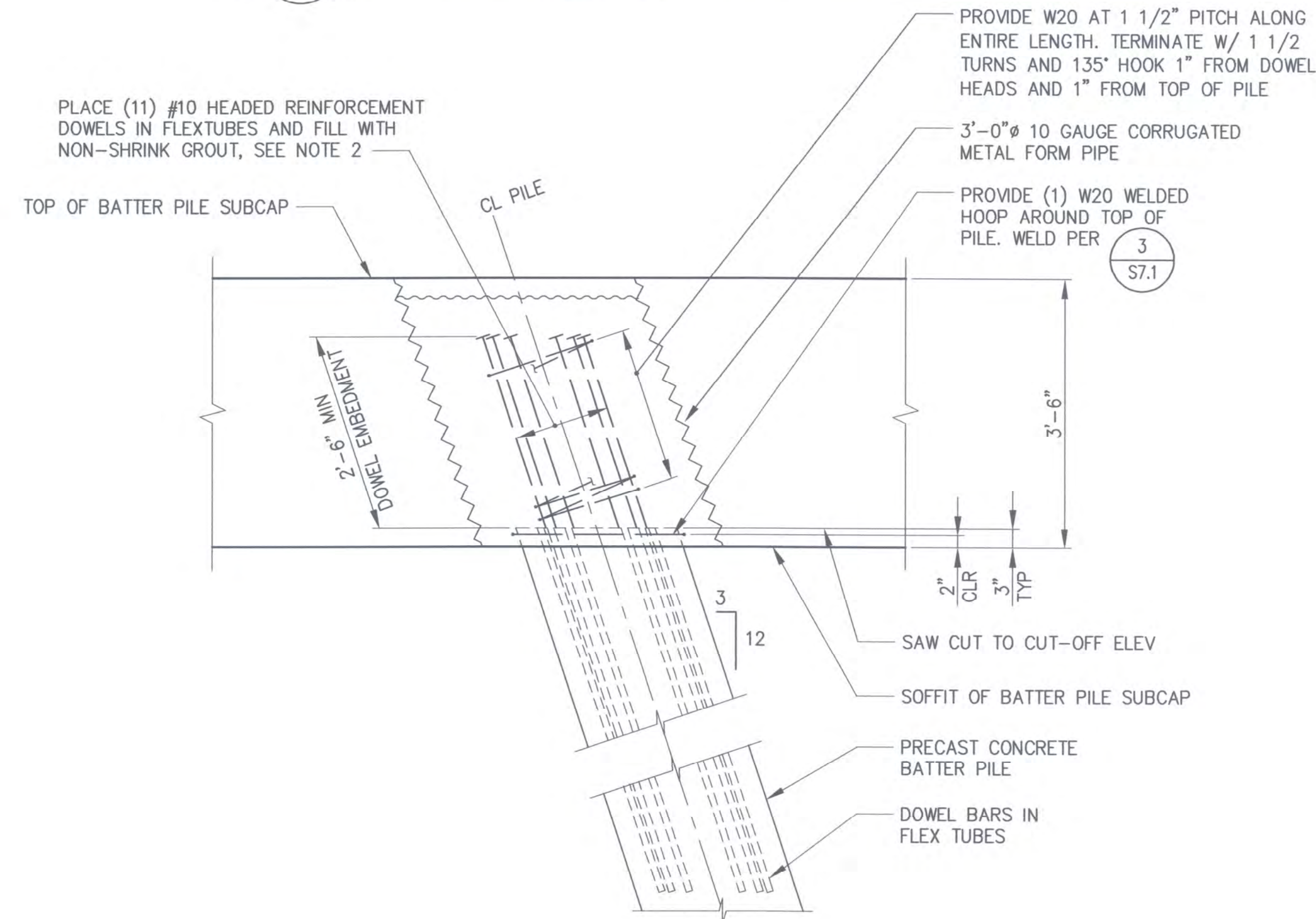


NOTES:

1. THE CONTRACTOR SHALL NOT CUT-OFF MORE THAN 15' OF PILE WITHOUT ENGINEER'S APPROVAL.
2. DOWEL BARS SHALL BE CENTERED IN FLEX TUBES UTILIZING A CENTERING DEVICE WHICH ALLOWS GROUT TO FLOW EASILY AROUND THE DEVICE. FLEX TUBES SHALL BE FILLED TO BOTTOM OF TUBES WITH 10,000 PSI NON-SHRINK GROUT UTILIZING GROUT TUBES AS NECESSARY. DOWELS SHALL BE EMBEDDED 10'-0" MIN BELOW PILE CUT OFF ELEV. DOWELS SHALL BE PLACED INDIVIDUALLY AND IMMEDIATELY AFTER GROUTING. SEE SPECIFICATIONS FOR GROUT REQUIREMENTS.



2 DETAIL PILE CUT-OFF AT DOLPHIN
S7.1, S42.1 3/4"=1'-0"



4 DETAIL - PILE CUT-OFF AT BATTER PILE SUBCAPS
S7.1, S11.7 3/4"=1'-0"