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May 3, 2016

**TO: PLANHOLDERS**

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

### **ADDENDUM NUMBER THREE**

This addendum is issued to amend the following:

#### **SPECIFICATIONS**

##### **A. 00 41 00 BID FORM (VOLUME 1 OF 3)**

1. **DELETE** and **REPLACE** the issued Section 00 41 00 – Bid Form with the attached revised Section 00 41 00 – Bid Form reflecting revision to Bid Items 10 and 11. (See Attachment A to this Addendum No. 3)

##### **B. 01 20 00 PRICE AND PAYMENT PROCEDURES (VOLUME 1 OF 3)**

1. **REVISE** paragraph 1.06.F.2 to read as follows:
  2. Measurement: This item will be measured by the horizontal linear foot of the wall system removed as illustrated on the drawings, and as discussed in specification section 02 41 00, paragraph 3.03.A.

##### **C. 02 41 00 - DEMOLITION (VOLUME 1 OF 3)**

1. **REVISE** paragraph 3.03.A to read as follows:
  - A. ... the project. Measurement for payment of wall system removal shall be based on the horizontal length of wall system removed. The wall system shall be defined as shown on Sheet 2 of the reference drawings titled, "Pier IV Bulkhead Construction", EP-1318-4, dated February 1966 identified in Section 00 31 00 – Available Project Information. Each horizontal lineal foot of the wall system includes the entire bulkhead section, including all piles, planks, braces, tie-back cables, and connection hardware. Estimation of bid quantities and costs associated with removal and disposal of the wall, and impacts to construction schedule and sequencing, shall be made by the Contractor based on information contained on the Contract Drawings and the ~~record~~ reference drawings indicated herein

**D. 31 66 13 – STONE COLUMNS (VOLUME 1 OF 3)**

**1. REVISE** paragraph 2.01.B.3 as follows:

3. The gradation of stone, measured according to ASTM D 422, shall conform to the following AASHTO No. 57 grading requirements:

<u>Sieve Size</u>	<u>Percentage Passing</u>
1.5 inch square	100
1 inch square	95 to 100
1/2 inch square	25 to 60
U.S. No.4 sieve	0 to 10
U.S. No.8 sieve	0 to 5
<del>U.S. No. 200 sieve</del>	<del>0</del>

**E. 26 22 13.01 – DRY TYPE TRANSFORMER (VOLUME 2 OF 3)**

- 1. DELETE and REPLACE** the issued section with the attached Section 26 22 13.01 - Dry Type Transformer. (Attachment B to this Addendum No. 3)

**F. 03 30 00.01 – CAST-IN-PLACE CONCRETE (VOLUME 2 OF 3)**

- 1. ADD** to paragraph 2.07.A.1 the following manufacturer and product:

f. W.R. Meadows; Sealtight Perminator HP 15 mil.

- 2. REVISE** paragraph 2.08.b to read as follows:

**3.** ...concrete slabs scheduled as ~~“CS” (Clear Sealer)~~, “SC” (Sealed Concrete). This applies only...

**G. 05 50 00.01 – METAL FABRICATIONS (VOLUME 2 OF 3)**

- 1. REVISE** paragraph 2.08.B to read as follows:

B. Provide ~~Interior~~ Exterior Vertical Ladders...

- 2. REVISE** paragraph 2.08.B.1 to read as follows:

1. Provide Model ~~#502~~ #503A extruded...

**H. 05 51 00.01 – METAL STAIRS**

- 1. REVISE** paragraph 2.06.D.2.b to read as follows:

b. Finish: Powder Coat. ~~Provide manufacturer standard colors for selection by Engineer.~~  
Color as indicated on drawings. Provide color sample for approval by Engineer.

**I. 07 13 26.01 - SELF-ADHERING SHEET WATERPROOFING**

1. **ADD** to paragraph 2.02.A.1 the following manufacturer and product:  
c. W.R. Meadows; MEL-ROL Rolled, Self-Adhering Waterproofing Membrane.
2. **ADD** to paragraph 2.03.A.1 the following manufacturer and product:  
c. W.R. Meadows; PRECON Blindside Waterproofing / Underslab Membrane.

**J. 09 51 13.01 – ACOUSTICAL PANEL CEILINGS**

1. **ADD** to paragraph 2.02.A. the following manufacturer and product:  
4. Rockfon; Sonar 24"x48" with Square Tegular Narrow suspension system.

**DRAWINGS**

**A. DRAWING G7.1 – EXISTING CONDITIONS PLAN (SHEET 11)**

1. **REVISE** Timber Bulkhead Notes as indicated on the revised drawing. (See Attachment C to this Addendum No. 3)

**B. DRAWING D1.2 – UTILITY AND SITE DEMOLITION PLAN – SHEET 2 (SHEET 21)**

1. **REVISE** Timber Bulkhead Notes and Key Notes as indicated on the revised drawing. (See Attachment D to this Addendum No. 3)

**C. DRAWING C3.1 – SLOPE PROTECTION PLAN (SHEET 52)**

1. **ADD** light rock rip rap and filter blanket in specified area benched for pile and pile cap installation, 2,300 square feet. (See Attachment E to this Addendum No. 3)

**D. DRAWING C3.3 – SLOPE PROTECTION SECTIONS – SHEET 2 (SHEET 54)**

1. **ADD** light rock rip rap and filter blanket waterside of bulkhead as denoted. (See Attachment F to this Addendum No. 3)

**E. DRAWING E3.2 – SITE ELECTRICAL PLAN (SHEET 128)**

1. **REVISE** General Note 2 to read as follows:  
2. SEE SHEET E8.3 FOR WIFIC SERIES FOR PROVIDING COMM CABLES IN THESE EXISTING DUCTBANKS.

**F. DRAWING S4.2 – PILE AND PILE CAP PLAN – SHEET 2 (SHEET 180)**

1. **REPLACE** entire sheet with attached sheet to include existing slope contours. (See Attachment G to this Addendum No. 3)

**G. DRAWING S27.45 – DECK PANEL DETAILS – SHEET 45 (SHEET 340)**

1. **REVISE** Detail A Typical Crane Beam Panel Type “L” Section P2A and Detail B Typical Type “R” Crane Beam Panel Elevation as denoted. (See Attachment H to this Addendum No. 3)

**H. DRAWING S27.48 – DECK PANEL DETAILS – SHEET 48 (SHEET 343)**

1. **REVISE** Detail A Crane Beam Pan Type ‘R’ Section P8A and Detail B Deck Panel Elevation as denoted. (See Attachment I to this Addendum No. 3)

**I. DRAWING S36.1 CRANE STOP DETAILS (SHEET 369)**

1. **REVISE** height of crane stop, as denoted in Detail 1 Elevation –Crane Stops Landside and Waterside; anchoring, as denoted in Detail 3 Detail – Crane Stop Base Plate Anchoring – Front Post; and welds, as denoted in Detail A Section – Crane Stop Base Plate – Front Post. (See Attachment J to this Addendum No. 3)

**J. DRAWING A7.00 - MARINE BUILDING VERTICAL CIRCULATION (SHEET 410) – DETAIL 2 VERTICAL CIRCULATION – STAIR**

1. **REVISE** drawing note to read as follows:

PIPE RAIL CONTINUED FROM HANDRAIL TO WALL WITH MINIMUM 3 VERTICAL SUPPORTS TO FLOOR TO PREVENT ACCESS UNDER STAIR, HPC-3

**K. DRAWING A8.01 – MARINE BUILDING INTERIOR ELEVATIONS (SHEET 412) – DETAIL 2 100 BREAK ROOM N**

1. **REVISE** the abbreviation TPD (x4 locations) to read as follows:

~~TPD~~ PTD

**L. DRAWING A8.02 – MARINE BUILDING INTERIOR ELEVATIONS (SHEET 413) – DETAIL 11 105 KITCHEN N**

1. **REVISE** the abbreviation TPD (x4 locations) to read as follows:

~~TPD~~ PTD

**M. DRAWING A50.02 – MARINE BUILDING VERTICAL CIRCULATION DETAILS (SHEET 432) – DETAIL 4 ELEVATOR – PIT LADDER**

1. **REVISE** the width of the pit ladder dimension from 1’-2” from outside of rungs to 1’-4” from insides of rungs.
2. **REVISE** the offset of the ladder 3.5” max from the outside face of ladder to the face of wall to 4.5” max from centerline of rung to face of wall.

**N. DRAWING M1.02 – MARINE BUILDING SCHEDULES (SHEET 471) – EXHAUST FAN SCHEDULE**

1. **ADD** note 3 from NOTES FOR EXHAUST FAN SCHEDULE to NOTES column for UNIT NO. EF-1 and EF-2.

- 
- O. DRAWING M1.02 – MARINE BUILDING SCHEDULES (SHEET 471) – RELIEF ROOF HOOD SCHEDULE**
- ADD** note 1 from NOTES FOR RELIEF ROOF SCHEDULE to REMARKS column for UNIT NO. RH-1.
- P. DRAWING E1.00 – MARINE BUILDING ELECTRICAL FIXTURE SCHEDULE AND MECHANICAL CONNECTION SCHEDULE (SHEET 488)**
- REVISE** light fixture RL3 Description as follows:  
~~KENALL 26L40K-DV-SCC-FW-CSS-8~~ MRDL6ICL-26340K-DV-SCC-FW-CSS-8
  - REVISE** light fixture RL3E Description as follows:  
~~KENALL 26L40K-DV-SCC-FW-CSS-8-EL~~ MRDL6ICL-26340K-DV-SCC-FW-CSS-8-EL
  - REVISE** light fixture RL3E Mounting and Remarks as follows:  
~~6" ROUND, LENSED, RECESSED LED DOWNLIGHT FIXTURE. IC RATED. PROVIDE WITH INTEERGRAL EMERGENCY BATTERY – 500LU MIN. 6" ROUND, LENSED, WET LOCATION. IC RATED, RECESSED DOWNLIGHT LED FIXTURE. PROVIDE FIXTURE WITH REMOTE EMERGENCY DRIVER WITH MINIMUM OF 500 OUTPUT LUMEN.~~
  - REVISE** light fixture PL2E Mounting and Remarks to include the following:  
MOUNT WITH BOTTOM OF FIXTURE AT 9'-6" AFF.
  - REVISE** light fixture WL4E Mounting and Remarks to include the following:  
MOUNT WITH TOP OF FIXTURE AT 7'-8" AFF, APPROXIMATELY EVEN WITH THE TOP OF THE BEAM FRAMING.
- K. DRAWING E2.01 – MARINE BUILDING LEVEL 1 AND LEVEL 2 LIGHTING PLAN (SHEET 489) – DETAIL 1 LEVEL 1 LIGHTING PLAN**
- ADD** low voltage Switch LV2 location on east wall side adjacent to the Kitchen 105 corner wall by gridlines 3/C.3.
- L. DRAWING E2.01 – MARINE BUILDING LEVEL 1 AND LEVEL 2 LIGHTING PLAN (SHEET 489) – DETAIL 1 LEVEL 2 LIGHTING PLAN**
- ADD** a ceiling mounted vacancy sensor VC to Super Cargo room 206.
  - ADD** a ceiling mounted vacancy sensor VC to Super Cargo room 210.
- M. DRAWING E5.01 – MARINE BUILDING ELECTRICAL DETAILS (SHEET 494) – TYPICAL DAYLIGHT HARVESTING 1 OR 2 RELAY ROOM CONTROLLER WIRING DETAIL – ENCLOSED OFFICE WITH DAYLIGHT**
- REVISE** low voltage switch LV2 to a two-button switch. Revise function to say KITCHEN ON AND KITCHEN OFF. (See Attachment K to this Addendum No. 3)
  - REVISE** low voltage switch LV4 to a four-button switch. (See Attachment K to this Addendum No. 3)

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

**END OF SECTION**

**ATTACHMENTS:**

ATTACHMENT A - SECTION 00 41 00 BID FORM

ATTACHMENT B - SECTION 26 22 13.01 DRY TYPE TRANSFORMER

ATTACHMENT C - DRAWING G7.1 – EXISTING CONDITIONS PLAN (SHEET 11)

ATTACHMENT D - DRAWING D1.2 – UTILITY AND SITE DEMOLITION PLAN – SHEET 2 (SHEET 21)

ATTACHMENT E - DRAWING C3.1 – SLOPE PROTECTION PLAN (SHEET 52)

ATTACHMENT F - DRAWING C3.3 – SLOPE PROTECTION SECTIONS – SHEET 2 (SHEET 54)

ATTACHMENT G - DRAWING S4.2 – PILE AND PILE CAP PLAN – SHEET 2 (SHEET 180)

ATTACHMENT H - DRAWING S27.45 – DECK PANEL DETAILS – SHEET 45 (SHEET 340)

ATTACHMENT I - DRAWING S27.48 – DECK PANEL DETAILS – SHEET 48 (SHEET 343)

ATTACHMENT J - DRAWING S36.1 CRANE STOP DETAILS (SHEET 369)

ATTACHMENT K - ESK-1 Daylight Harvesting Lighting Controller Wiring Detail

**BIDDER'S NAME:** \_\_\_\_\_

**PROJECT TITLE:** **PIER 4 PHASE 2 RECONFIGURATION**

The undersigned Bidder declares that it has read the specifications, understands the conditions, has examined the site, and has determined for itself all situations affecting the work herein bid upon. Bidder proposes and agrees, if this bid is accepted, to provide at Bidder's own expense, all labor, machinery, tools, materials, etc., including all work incidental to, or described or implied as incidental to such items, according to the bidding documents, and that the Bidder will complete the work within the time stated, and that Bidder will accept in full payment therefore the lump sums and unit prices set forth below.

Proposed Bid Price. (Note: Show prices in figures only.) Complete Installation:

ITEM NO.	DESCRIPTION OF ITEM	QTY	UOM	UNIT PRICE	EXTENDED PRICE
1	Mobilization and Demobilization	1	LS		
2	Project Administration	1	LS		
3	Field Engineering	1	LS		
4	Demolition	1	LS		
5	Exploratory Excavation	1,160	CY		
6	Removal of Buried Timber Bulkhead Wall	700	LF		
7	Stone Columns	69,171	LF		
8	Riprap and Debris Removal and Disposal	1	LS		
9	Dredging and Disposal	465,000	CY		
10	Filter Blanket	<del>14,950</del> <del>14,800</del>	TON		
11	Light Rock Riprap	<del>32,500</del> <del>32,200</del>	TON		
12	Heavy Rock Riprap	36,000	TON		
13	Furnish 24-inch Concrete Pile	174,121	LF		
14	Install 24-inch Concrete Pile - Wharf Plumb Piles	1,197	EA		
15	Install 24-inch Concrete Pile - Wharf Batter Piles	36	EA		
16	Install 24-inch Concrete Piles - Mooring Dolphin Piles	8	EA		
17	Dynamic Pile Driving Analysis	20	EA		

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS  
SECTION 00 41 00 - BID FORM - **ADDENDUM NO. 03**

ITEM NO.	DESCRIPTION OF ITEM	QTY	UOM	UNIT PRICE	EXTENDED PRICE
18	Re-strike Concrete Piles	50	EA		
19	Pile Cut-offs (lengths greater than 10 feet)	50	EA		
20	Concrete Pile Build-ups	40	EA		
21	Furnish and Install Sheet Piles	1,308	LF		
22	Construct Mooring Dolphin	1	LS		
23	Wharf Construction	1	LS		
24	Wharf Fender System	1	LS		
25	Furnish and Install Crane Rail	1	LS		
26	Concrete Spall Repairs to Existing Pier 4	118	SF		
27	Storm Drain, Water and Sanitary Sewer Systems	1	LS		
28	Electrical and Communications Site Work	1	LS		
29	Electrical Substation	1	LS		
30	Ballast and Base Course for Asphalt Paving	17,940	TON		
31	Asphalt Paving	22,220	TON		
32	Marine Building	1	LS		
33	All Other Work	1	LS		
34	Stone Column Obstructions Allowance	1	LS	<b>\$50,000</b>	<b>\$50,000</b>
35	Unforeseen Dredging Debris Removal Allowance	1	LS	<b>\$100,000</b>	<b>\$100,000</b>
36	Unforeseen Conditions Allowance	1	LS	<b>\$100,000</b>	<b>\$100,000</b>
37	Screened Dredging Premium Allowance	300	HR		
<b>BASE BID SUBTOTAL</b>					

**Evaluation of Bids.** In accordance with the provisions of these Contract Documents, Bids will be evaluated to determine the lowest Base Bid Subtotal offered by a responsible Bidder submitting a responsive bid.

**Addenda.** Bidder acknowledges review of all Addenda through No. \_\_\_\_\_

**Trench Excavation Safety Provision.** If the bid amount contains work which requires trenching exceeding a depth of 4 feet, all costs for trench safety shall be included in the Base Bid and indicated below for adequate trench safety systems in compliance with RCW 39.04 and WAC 296-155-650. Bidder shall include a lump sum amount, excluding Washington State Sales Tax. If trench excavation safety provisions do not pertain to the Work, the Bidder should enter "N.A." or "Not Applicable" in the blank on the Bid Form.

Trench Excavation Safety: \_\_\_\_\_ (Total in Written Figures Only)

**Principal Subcontractors/Suppliers.** The bidder shall list below the name of each subcontractor or supplier to whom the bidder proposes to subcontract the portions of the work listed below, or name itself for the work.

Work to be Performed	Name of Firm
HVAC (Heating, Ventilation and Air Conditioning) Work	
Plumbing Work as described in RCW 18.106	
Electrical Work as described in RCW 19.28	

***[Remainder of Page Left Intentionally Blank; Signature Page Immediately Follows]***

**Noncollusion.** The undersigned declares under penalty of perjury that the bid submitted is a genuine and not a sham or collusive bid, or made in the interest or on behalf of any person or firm not therein named; and further says that the said bidder has not directly or indirectly induced or solicited any bidder on the above work or supplies to put in a sham bid, or any other person or corporation to refrain from bidding; and that said bidder has not in any manner sought by collusion to secure to the bidder an advantage over any other bidder or bidder.

---

Name of Firm

---

Date

---

Signature

---

Print Name, Title

---

Mailing Address

---

City, State, Zip Code

---

Telephone Number

---

Email Address

---

WA State Contractor's License No.

---

Date of Issue  
Date

---

Expiration

---

Unified Business Identifier (UBI) No.

---

Employment Security Department No.

---

Identification of Contractor as a sole proprietor, a partnership, a joint venture, a corporation or another described form of legal entity

**END OF SECTION**

## **PART 1 - GENERAL**

### **1.01 RELATED WORK SPECIFIED ELSEWHERE**

- A. The provisions and intent of the Contract, including the General Conditions and General Requirements, apply to this work as if specified in this section.

### **1.02 SCOPE**

- A. Furnish and install dry type isolation transformers of the types, sizes and quantities indicated on the contract drawings. Provide all lugs, accessories and mounting hardware necessary for proper installation and operation.

### **1.03 SUBMITTALS**

- A. Provide product information prior to fabrication and installation. Product data shall include all dimensions, weights, electrical ratings, wiring diagrams and required clearances.
- B. When requested, provide additional product data and certifications necessary to show conformance with this specification.
- C. Provide information for record purposes including field test reports and maintenance data as required.

## **PART 2 - PRODUCTS**

### **2.01 ACCEPTABLE MANUFACTURERS**

- A. Tierney.
- B. Sorgel Quiet Quality.
- C. General Electric QL.
- D. Federal Pacific.
- E. Similar units by Cutler-Hammer, Acme or Hevi-Duty may be utilized if the core and coil assembly is mounted on rubber isolation pads.

### **2.02 STANDARDS**

- A. ANSI C57.12: General Requirements for Distribution, Power, and Regulating Transformers.
- B. Underwriters Laboratories Standard 1561.
- C. NEMA ST-20: Dry-Type Transformers for General Applications.
- D. Transformers shall be NEMA TP-1 Energy Efficient compliant.

### **2.03 SHOP DRAWINGS**

- A. Prepare and submit for review prior to manufacture; include dimensioned front plan and section views, wiring and connection diagrams and bolting template. Contractor shall indicate on the drawings, mounting methods and connection lugs required.

2.04 CABINET

- A. Steel panel enclosure over core, coil, and terminal chamber with louvered openings for convection cooling. Cooling and terminal access shall be possible with both sides and rear of enclosure obstructed.
- B. Provide weatherproof or special enclosure when required for environment in which it is located.

2.05 WINDINGS

- A. Separate primary and secondary. Windings shall have Class H insulation and shall be rated for continuous operation at rated KVA with temperature rise of not over 150 degrees C above a 40 degree C ambient, with a maximum hot spot temperature of 220 degrees C. Windings and core and coil assembly shall be treated and built to resist the effects of dirt and moisture.
- B. Core coil shall be mounted on rubber isolation mounting pads. Cores shall have a common core construction having low hysteresis and eddy current losses grounded to the transformer core. The neutral bus shall be sized and configured for at least 200% of the secondary full load current. Transformer impedance shall be a minimum of 3 and a maximum of 5%. The transformer shall be UL listed and suitable for non-sinusoidal loads with a K factor of 4.

2.06 PRIMARY TAPS

- A. Four full capacity taps, minimum of two 2-1/2 percent above and two 2-1/2 percent below normal (rated) primary voltage.

2.07 CONNECTIONS

- A. Unless noted otherwise, three phase transformers shall have a 480 volt delta connected primary and 208Y/120 volt, three phase, four wire connected secondary, single phase transformers shall be 480 volt primary, 120/240 volt secondary. Provisions for external connections shall be made by means of a terminal board employing lugs conforming with Section 26 05 19 which are compatible with the external conductors installed. (Note: aluminum conductors require special lugs.) All connections shall be accessible for front and top of cabinet.

2.08 NOISE LEVEL

- A. Noise level shall not exceed ANSI Standard C89.2 sound levels of 45 db for sizes less than 51 KVA, 50 db for 51-150 KVA, 55 db for 151-300 and 60 db for greater than 300 as measured by NEMA ST20.

2.09 EFFICIENCY

- A. Dry transformers shall have a minimum efficiency that complies with NEMA TP-1-2002.

2.10 VIBRATION ISOLATORS

- A. Spring vibration isolators shall be B-Line model HMT or equal with neoprene top and base.
- B. Vibration pads shall be cork, neoprene, and steel construction, B-Line model CNNK or equal.

- C. Neoprene pad spacers shall be B-Line model NNP or equal.

### **PART 3 - EXECUTION**

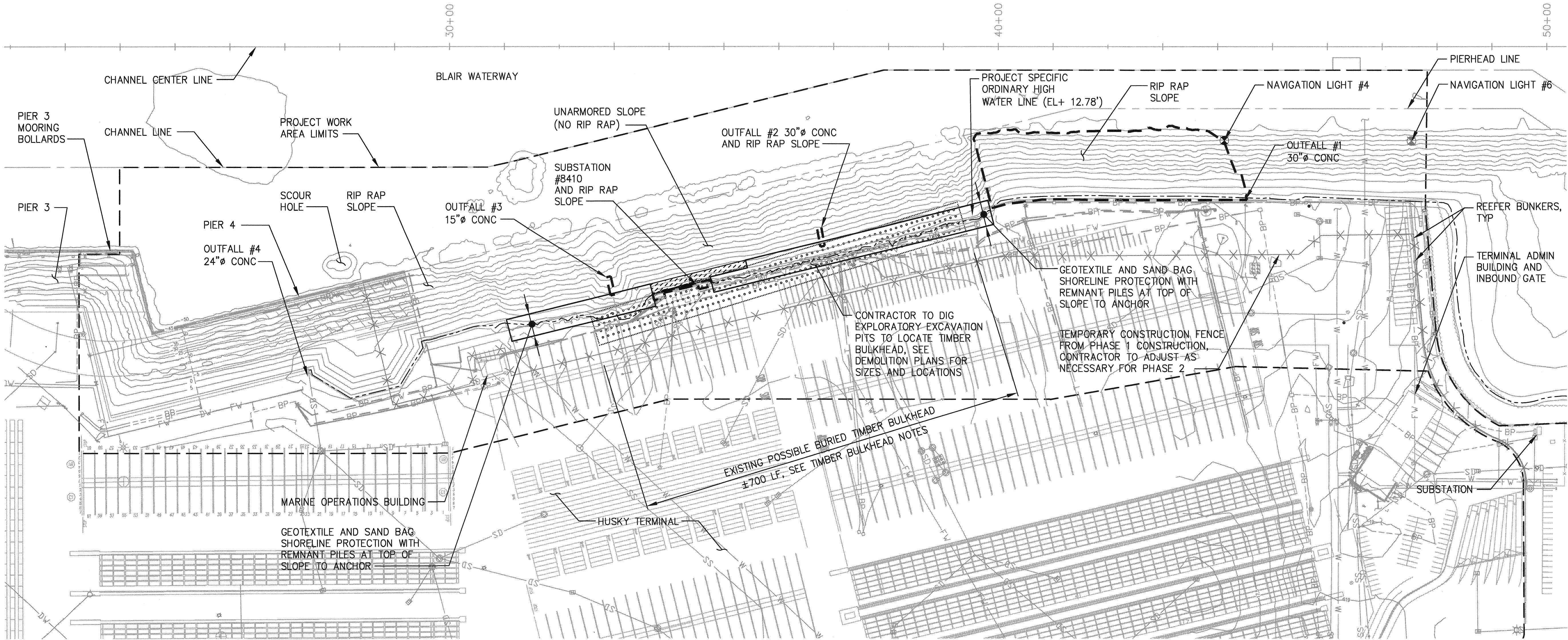
#### **3.01 MOUNTING**

- A. Transformers shall be attached to the building structure to prevent overturning in the event of earthquake. All attachment nuts to have washer and rubber pad spacer under them. Provide neoprene pad spacers under mounting rails. Transformers shall be mounted on floor, wall or suspended from ceiling as noted in the contract documents or as required. Remove all shipping blocks prior to installation.
- B. Transformers with enclosures designed for floor mounting where suspended from ceiling shall be suspended on a trapeze constructed of a minimum of two horizontal structural channels hung from threaded rods attached to structural members or inserts in structural slab. Channel, rod, and inserts shall be sized for not less than 400% load safety factor.
- C. Transformers shall be installed with four spring vibration isolators, one at each corner, when any of the following conditions are present. Size each isolator for the full transformer weight.
1. Transformer is 45 KVA or larger.
  2. Transformer is located higher than one floor above grade.
  3. Transformer is noted "SIM" in the contract documents.
- D. All transformers mounted directly on a wall shall be mounted with vibration pads sized to give 400% safety factor.

#### **3.02 CONNECTIONS**

- A. 208/120 volt three phase secondary transformers shall be considered "grounded neutral separately derived systems" and be grounded per code accordingly.
- B. Transformer raceway connections shall be flexible metal raceway. See Specification Section 26 05 33.
- C. Voltage Tap Connection: Connect all transformers at "normal" tap. After facility is completely energized, measure secondary voltages at all transformers and service switchboard. Forward a list to the Engineer for evaluation. Include copy in O&M Manuals. Reconnect taps as subsequently directed.

**END OF SECTION**



**TIMBER BULKHEAD NOTES**

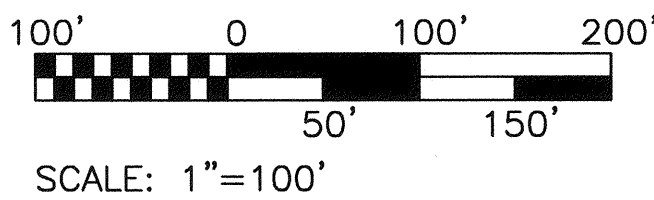
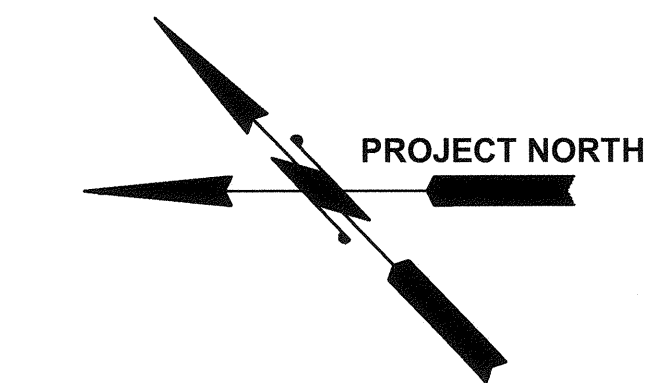
1. PORT OF TACOMA RECORD DRAWINGS INDICATE THAT A BURIED, STEPPED TIMBER BULKHEAD WALL SYSTEM MAY EXIST WITHIN THE PROPOSED DREDGE PRISM AND WITHIN A PORTION OF THE STONE COLUMN INSTALLATION AREA. SEE RECORD DRAWINGS TITLED, PORT OF TACOMA PIER IV BULKHEAD CONSTRUCTION (EP-1318-4, SHEETS 1 THROUGH 3) REFERENCED IN SPECIFICATION SECTION 00 31 00 - AVAILABLE PROJECT INFORMATION. THE EXISTENCE, LOCATION, AND EXTENT OF THE BURIED BULKHEAD WALL SYSTEM IS UNKNOWN AND SHALL BE DETERMINED THROUGH EXPLORATORY EXCAVATION AS SHOWN ON DEMOLITION PLANS.
2. THIS DRAWING INDICATES THE ANTICIPATED LOCATION OF THE BURIED TIMBER BULKHEAD WALL SYSTEM IF IT EXISTS, BASED ON CORRELATION BETWEEN THE ABOVE REFERENCED RECORD DRAWINGS AND RECORD DRAWINGS FOR CONSTRUCTION OF THE ORIGINAL PIER 4 STRUCTURE THAT WAS DEMOLISHED IN PHASE 1 OF THE PIER 4 RECONFIGURATION PROJECT.

**EXISTING CONDITIONS PLAN**

SCALE: 1"=100'

**LEGEND**

- PROJECT WORK AREA LIMITS
- - - PROJECT SPECIFIC ORDINARY HIGH WATER LINE (EL +12.78')
- - - RIP RAP SLOPE AREA AROUND WORK LIMITS
- ..... POSSIBLE BURIED TIMBER BULKHEAD, SEE TIMBER BULKHEAD NOTES
- ||||| CONCRETE BATTER PILES



<b>6552</b> <b>G7.1</b> SH 11 OF 499	<b>PIER 4 PHASE 2 RECONFIGURATION EXISTING CONDITIONS PLAN</b>				<b>APPROVED:</b> <i>[Signature]</i> 5-2-16		<b>CHECKED BY:</b> DATE		
	<b>CONTRACT/CONS:</b> 070136				<b>DIRECTOR ENG. DATE:</b> 5-2-16		<b>PROJ. ENGR. DATE:</b>		
	<b>M. ID:</b> 091251				<b>PRINTED BY:</b> bosterhaus Apr 29, 2016		<b>DATE:</b>		
	<b>PHASE:</b> BID				<b>PORT ADDRESS:</b> ONE SITCUM PLAZA TACOMA, WA 98401-1837		<b>SEK</b>		
				<b>TOWNSHIP:</b> WA83-SF		<b>RANGE:</b> MLW 19.39' @ Tide 22 1933		<b>BY:</b> RLO	
				<b>DAT-HRZ:</b> PARCEL		<b>VERT:</b> AS NOTED		<b>REVISION:</b>	
								<b>ADDITION #3</b>	
								<b>DATE:</b> 04/29/16	
								<b>APP:</b> APPR: 04/29/16	
								<b>BY:</b> RLO	
								<b>DATE:</b> 04/29/16	
								<b>SEK</b>	

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# TIMBER BULKHEAD NOTES

- EXPLORATORY EXCAVATION PIT #1 SHALL BE EXCAVATED FIRST. BASED ON THE FINDINGS FROM PIT #1, THE ENGINEER WILL DIRECT THE CONTRACTOR TO EITHER CONTINUE TO EXCAVATE AT THAT LOCATION OR TO BEGIN EXCAVATION AT PIT #2. PIT #3 WILL BE EXCAVATED AT THE DIRECTION OF THE ENGINEER BASED ON THE FINDINGS FROM PIT #2.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE TIMBER BULKHEAD WALL SYSTEM AT THE DIRECTION OF THE ENGINEER SHOULD EXPLORATORY EXCAVATION PROVE THAT IT EXISTS. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- CONTRACTOR SHALL ASSUME THAT ALL TIMBER PILES, BRACES, PLANKING, AND MISCELLANEOUS TIMBER FRAMING ELEMENTS IN THE WALL SYSTEM ARE CREOSOTE TREATED. DISPOSAL OF CREOSOTE TREATED MATERIAL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
- ALL TIMBER PILES WITHIN THE AREA OF WALL SYSTEM REMOVAL SHALL BE COMPLETELY EXTRACTED. (APPROX. 280)

- SOIL EXCAVATED WITHIN THE DREDGE PRISM FOR EXPLORATORY EXCAVATION AND/OR REMOVAL OF THE WALL SYSTEM MAY BE DISPOSED OF AT THE DMMP OPEN WATER DISPOSAL SITE ALONG WITH OTHER DREDGED MATERIAL. SOIL EXCAVATED OUTSIDE OF THE DREDGE PRISM SHALL BE BACKFILLED INTO PIT AND COMPACTED IN ACCORDANCE WITH EARTHWORK SPECIFICATIONS.
- WORK REQUIRED FOR EXPLORATORY EXCAVATIONS AND WALL SYSTEM REMOVAL THAT OCCUR WATERWARD OF THE OHWM (EL 12.78') IS SUBJECT TO IN-WATER WORK RESTRICTIONS FOR THE PROJECT.

# NOTES

- THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORD DRAWINGS. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. THE CONTRACTOR SHALL POTHOLE OR OTHERWISE CONFIRM EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- SEE SITE ELECTRICAL DEMOLITION PLANS E2.1 AND E2.2 FOR ELECTRICAL AND COMMUNICATION DEMOLITION REQUIREMENTS, INCLUDING HIGH MAST LIGHT POLE DEMOLITION REQUIREMENTS.
- UTILITIES, STRUCTURES AND SITE FEATURES NOT INDICATED FOR DEMOLITION SHALL BE PROTECTED IN PLACE.
- ALL ITEMS MARKED FOR DEMOLITION SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PER THE SPECIFICATIONS, UNLESS OTHERWISE INDICATED FOR SALVAGE IN SPECIFICATIONS, SEE SECTION 02 41 00.
- SEE SHEET D2.2 FOR SAWCUT CONTROL.
- REFER TO SPECIFICATION SECTION 01 14 00, WORK RESTRICTIONS FOR WORK SEQUENCE, SCHEDULE CONSTRAINTS, AND WORK LOCATED OUTSIDE OF THE PROJECT WORK AREA LIMITS.

# LEGEND

- PROJECT WORK AREA LIMITS
- DEMOLITION LIMIT LINE
- DREDGE BOUNDARY / TOP OF SLOPE
- DEMOLISH AND REMOVE EXISTING UTILITY STRUCTURE AND APPURTENANCES
- DEMOLISH ASPHALT PAVING AND BASE COURSE. SAWCUT AS REQUIRED
- DEMOLISH EXISTING BUILDING
- DEMOLISH EXISTING ELECTRICAL SUBSTATION
- TIMBER BULKHEAD EXPLORATORY EXCAVATION PIT
- CONC BATTER PILE TO BE DEMOLISHED
- RIP RAP SLOPE TO BE DEMOLISHED
- DEMOLISH ASPHALT PAVING AND PIER BALLAST. SAWCUT AS REQUIRED
- CUT AND CAP EXISTING UTILITY
- EXISTING ECOLOGY BLOCKS
- DEMOLISH AND REMOVE EXISTING UTILITY PER KEY NOTES
- PHOTO ORIENTATION, SEE SHEET D2.2
- SAWCUT CONTROL POINT, SEE SHEET D2.2

MATCH LINE SEE SHEET D1.1

MATCH LINE SEE SHEET D1.3

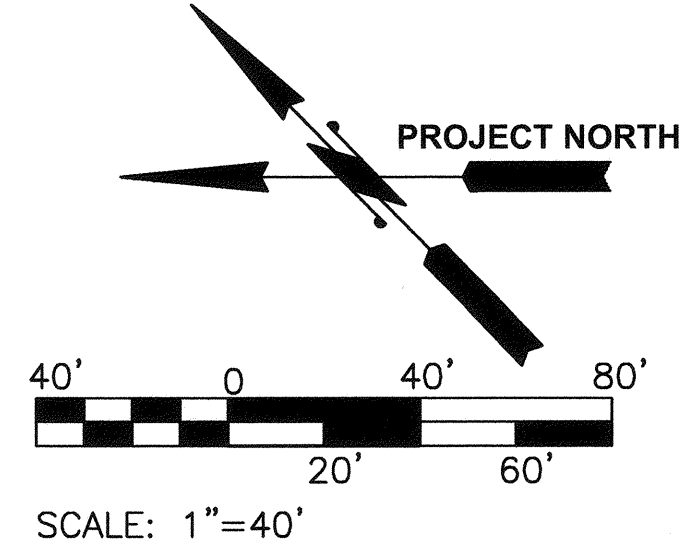
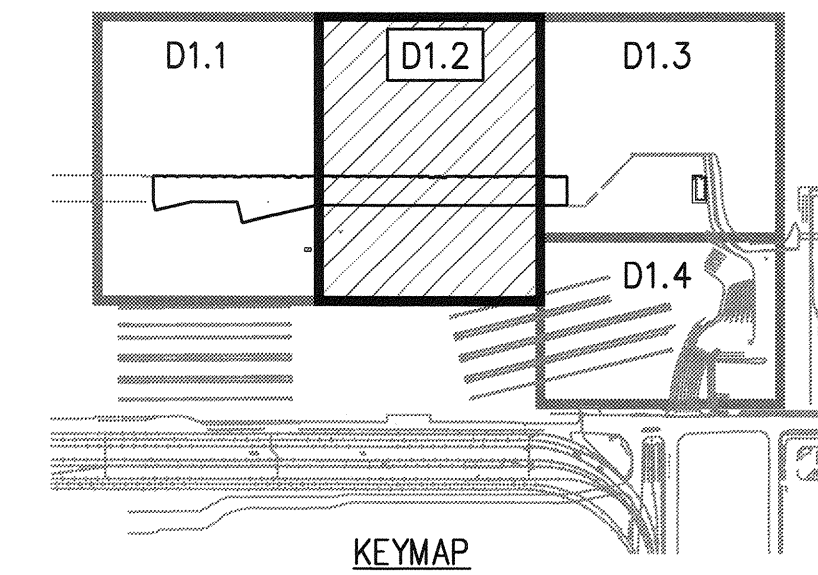
# UTILITY AND SITE DEMOLITION PLAN

SCALE: 1"=40'

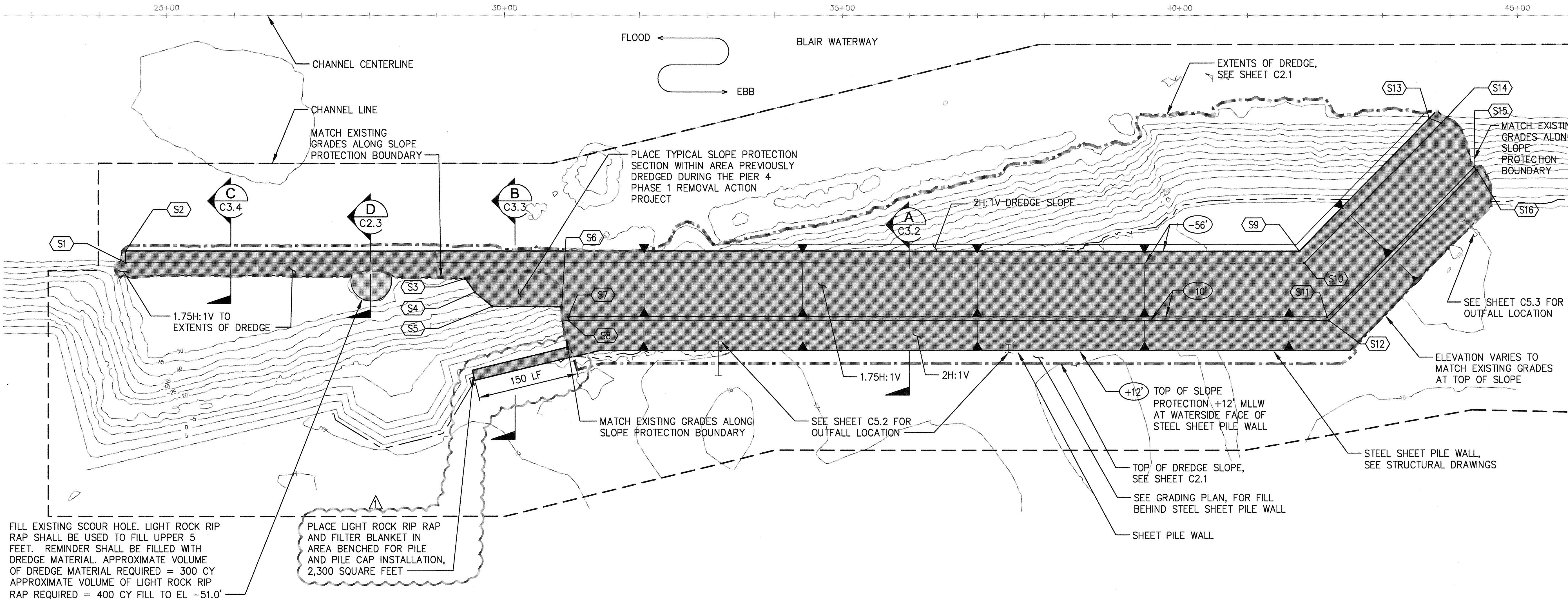
# KEY NOTES

- PRIOR TO BEGINNING WATER LINE DEMOLITION, FIELD LOCATE AND CLOSE EXISTING GATE VALVES.
- ABANDON EXISTING WATER LINE.
- ABANDON EXISTING STORM DRAIN LINE.
- CUT AND CAP EXISTING WATER LINE PER DETAIL 1 ON SHEET D2.1, SIZE AND MATERIAL PER PLAN.
- DEMOLISH EXISTING 4" DOMESTIC WATER LINE.
- REMOVE EXISTING PAVEMENT MARKINGS FROM EXISTING PIER 4 STRUCTURE WHICH IS TO REMAIN IN PLACE.
- DEMOLISH EXISTING FIRE WATER LINE.
- DEMOLISH EXISTING STORM DRAIN LINE.
- DEMOLISH EXISTING CLEAN OUT.
- DEMOLISH EXISTING GATE VALVE.
- PROTECT-IN-PLACE EXISTING FIRE WATER LINE.
- TEMPORARILY CUT AND CAP EXISTING WATER LINE PER DETAIL 1 ON SHEET D2.1, SEE UTILITY SHEETS C6.1 THRU C6.4 FOR FUTURE CONNECTION.
- TEMPORARILY CUT AND CAP EXISTING STORM DRAIN GRAVITY LINE, SEE SHEETS C5.1 THRU C5.3 FOR FUTURE CONNECTION.
- DEMOLISH CONCRETE OUTFALL PIPE.
- DEMOLISH EXISTING AIR RELEASE VALVE, TEMPORARILY CUT AND CAP PRESSURIZED WATER LINE PER DETAIL 1 ON SHEET D2.1. SEE UTILITY SHEETS C6.1 THRU C6.4 FOR FUTURE CONNECTION.
- DEMOLISH EXISTING STORM DRAIN CATCH BASIN AND BACKFILL HOLE IF OUTSIDE OF DREDGE CUTBACK.
- DEMOLISH EXISTING STORM DRAIN MANHOLE AND BACKFILL HOLE IF OUTSIDE OF DREDGE CUTBACK.
- DEMOLISH EXISTING SANITARY SEWER GRAVITY LINE AND CONNECTED STRUCTURES.
- CUT AND CAP EXISTING SANITARY SEWER GRAVITY LINE PER DETAIL 1 ON D2.1.
- CUT AND CAP EXISTING STORM DRAIN GRAVITY LINE PER DETAIL 1 ON D2.1.
- DEMOLISH MARINE OPERATIONS BUILDING, ADJACENT CONCRETE PADS, ASSOCIATED STRUCTURES, BOLLARDS, WHEEL STOPS, AND UTILITIES.
- DEMOLISH EXISTING ELECTRICAL SUBSTATION, ASSOCIATED CONCRETE PADS, VAULTS AND UTILITY LINES UNLESS NOTED OTHERWISE, ONLY AFTER TEMPORARY POWER SYSTEMS HAVE BEEN INSTALLED, SEE ELECTRICAL PLANS FOR TEMPORARY ELECTRICAL SERVICE AND DEMOLITION.
- DEMOLISH REMNANT CONCRETE PAD.
- PROTECT-IN-PLACE EXISTING FIRE AND DOMESTIC WATER LINES AT HIGH MAST LIGHT POLE, SEE UTILITY AND ELECTRICAL PLANS.
- PRIOR TO START OF WORK SALVAGE EXISTING ECOLOGY BLOCKS AND PLACE INSIDE TEMPORARY CONSTRUCTION FENCE PER DETAIL 3 ON G8.6. SHOWN OFFSET FROM PAVEMENT EDGE FOR CLARITY.
- DEMOLISH EXISTING FLUSH FIRE HYDRANT, VAULT AND ALL APPURTENANCES. IF HYDRANT IS OUTSIDE DREDGE CUTBACK, CUT AND CAP DRAIN LINE, PER DETAIL 3 ON D2.1.
- DEMOLISH EXISTING GEOTEXTILE AND SANDBAG SHORELINE PROTECTION SYSTEM.
- REMOVE RIP RAP AND APPROXIMATELY 1,300 LF OF REMNANT CONCRETE PILE DEBRIS IN FRONT OF THE SUBSTATION, SEE SHEET C2.1 FOR RIP RAP REMOVAL.
- EXTRACT (33) 16-1/2" CONCRETE BATTER PILES LEFTOVER FROM PHASE 1. APPROXIMATE PILE LENGTH=75' EACH.

- DEMOLISH REMNANT CONCRETE PILE ANCHORS AT TOP OF SLOPE.
- 6' DEEP EXPLORATORY EXCAVATION PIT FOR BURIED TIMBER BULKHEAD WALL SYSTEM. SEE SHEET D2.2 FOR HORIZONTAL CONTROL. PITS TO BE BACKFILLED AND COMPACTED PER SPECIFICATIONS.
- POSSIBLE BURIED TIMBER BULKHEAD WALL SYSTEM OUTLINE, APPROX. 700'x60'. SEE TIMBER BULKHEAD NOTES.
- REMOVE AND SALVAGE LIGHT POLE. DEMOLISH CONCRETE BASE. SEE DETAIL 1 ON D2.2 AND SEE ELECTRICAL DEMOLITION PLANS FOR SEQUENCING.



<b>6552</b> <b>D1.2</b> SH 21 OF 499	<b>PIER 4 PHASE 2 RECONFIGURATION</b> UTILITY AND SITE DEMOLITION PLAN - SHEET 2			
	TOWNSHIP: 070136 DAT-HRZ: WA83-SF PHASE: BID	SECTION: MLW 19.39 @ Tide 22 1933 VERT: DAT-HRZ: WA83-SF DRAWING SCALE: AS NOTED	RANGE: 19.39 @ Tide 22 1933 VERT: DAT-HRZ: WA83-SF DRAWING SCALE: AS NOTED	PARCEL: 19.39 @ Tide 22 1933 VERT: DAT-HRZ: WA83-SF DRAWING SCALE: AS NOTED
	CHECKED BY: <i>[Signature]</i> DATE: 5-2-16	PROJECT ENG. DATE: 5-2-16 PRINTED BY: bosterhaus Apr 29, 2016 PORT ADDRESS: ONE SITUUM PLAZA TACOMA, WA 98401-1837	CHECKED BY: <i>[Signature]</i> DATE: 5-2-16	PROJECT ENG. DATE: 5-2-16 PRINTED BY: bosterhaus Apr 29, 2016 PORT ADDRESS: ONE SITUUM PLAZA TACOMA, WA 98401-1837
	APPROVED: <i>[Signature]</i> DATE: 5-2-16	DIRECTOR ENG. DATE: 5-2-16 PRINTED BY: bosterhaus Apr 29, 2016 PORT ADDRESS: ONE SITUUM PLAZA TACOMA, WA 98401-1837	APPROVED: <i>[Signature]</i> DATE: 5-2-16	DIRECTOR ENG. DATE: 5-2-16 PRINTED BY: bosterhaus Apr 29, 2016 PORT ADDRESS: ONE SITUUM PLAZA TACOMA, WA 98401-1837



FILL EXISTING SCOUR HOLE. LIGHT ROCK RIP RAP SHALL BE USED TO FILL UPPER 5 FEET. REMINDER SHALL BE FILLED WITH DREDGE MATERIAL. APPROXIMATE VOLUME OF DREDGE MATERIAL REQUIRED = 300 CY APPROXIMATE VOLUME OF LIGHT ROCK RIP RAP REQUIRED = 400 CY FILL TO EL -51.0'

PLACE LIGHT ROCK RIP RAP AND FILTER BLANKET IN AREA BENCHMARKED FOR PILE AND PILE CAP INSTALLATION, 2,300 SQUARE FEET

NOTES

1. SEE SHEET C3.2, TYPICAL SLOPE PROTECTION FOR SLOPE PROTECTION MATERIALS AND THICKNESSES.

LEGEND

- EXISTING CONTOUR
- PROJECT WORK AREA LIMITS
- SLOPE PROTECTION CONTROL POINT
- STORM DRAIN OUTFALL, SEE DRAINAGE PLANS
- FINISH GRADE ELEVATION
- REVTMENT SLOPE
- PROJECT SPECIFIC ORDINARY HIGH WATER LINE (EL. +12.78')
- LIMITS OF SLOPE PROTECTION
- EXTENTS OF DREDGE, SEE SHEET C2.1

SLOPE PROTECTION PLAN

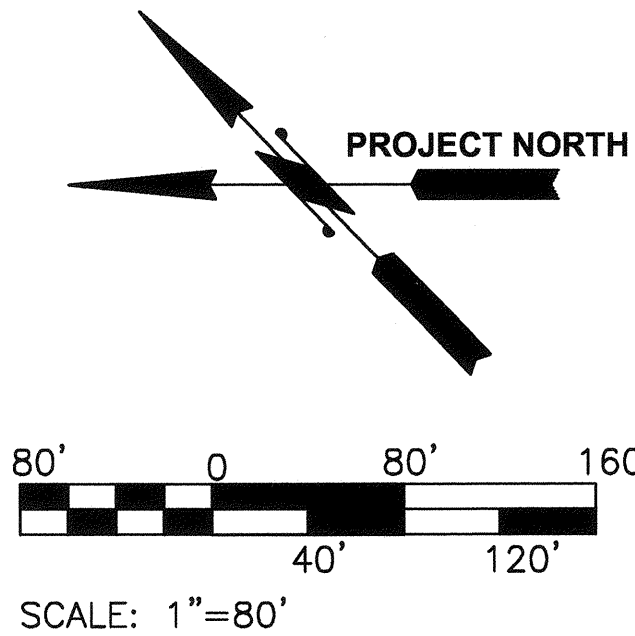
SCALE: 1"=80'

SLOPE PROTECTION CONTROL POINTS		
POINT ID	NORTHING	EASTING
S1	713732.71	1166270.69
S2	713745.28	1166282.87
S3	713365.81	1166615.33
S4	713341.47	1166611.06
S5	713308.56	1166614.74
S6	713236.42	1166688.35
S7	713218.73	1166685.30
S8	713214.88	1166681.56
S9	712535.89	1167530.74

NOTES:

1. CONTROL POINTS REPRESENT TOP OF FINISHED ROCK FACE..

SLOPE PROTECTION CONTROL POINTS		
POINT ID	NORTHING	EASTING
S10	712518.22	1167523.83
S11	712436.90	1167492.06
S12	712431.48	1167489.95
S13	712542.70	1167805.67
S14	712525.40	1167813.75
S15	712444.60	1167802.82
S16	712439.24	1167802.95



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Tacoma, Washington 98407  
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DATE: 4/28/2016

BY: SUS

APPR: SWK

REVISION: #3

MARK: 1

ADDENDUM

MADE IN WASHINGTON

REGISTERED PROFESSIONAL ENGINEER

4/28/16

32716

CHECKED BY

DATE

APPROVED: *[Signature]*

5-2-16

DIRECTOR ENG. DATE

PROJ. ENGR DATE

PRINTED BY: kwang Apr 28, 2016

PORT ADDRESS: ONE SITCUM PLAZA

TACOMA, WA 98401-1837

PIER 4 PHASE 2 RECONFIGURATION SLOPE PROTECTION PLAN

SECTION: TOWNSHIP: RANGE: PARCEL:

DAT-HRZ: VERT: MLLW 19.39' @ Tide 22 1933

DRAWING SCALE: AS NOTED

6552

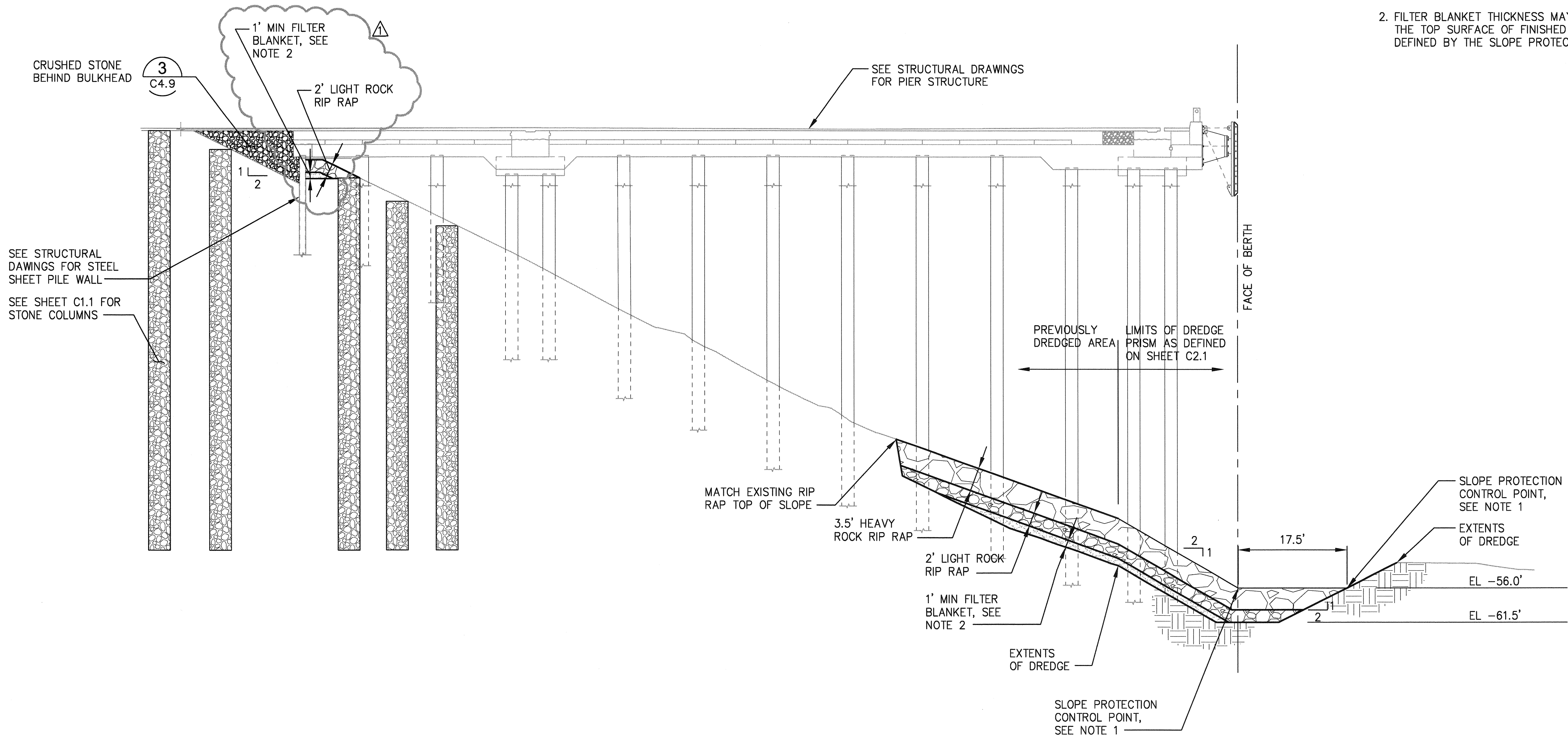
C3.1

SH 52 OF 499

CON/CONS: 070136

M. ID: 091251

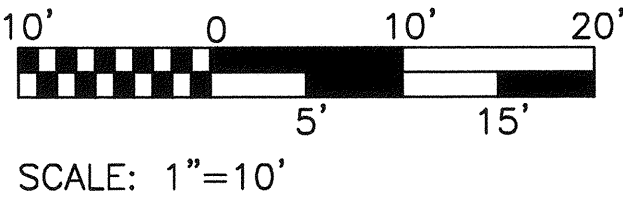
PHASE: BID



**B SLOPE PROTECTION SECTION**  
C3.1 SCALE: 1"=10'

**NOTES**

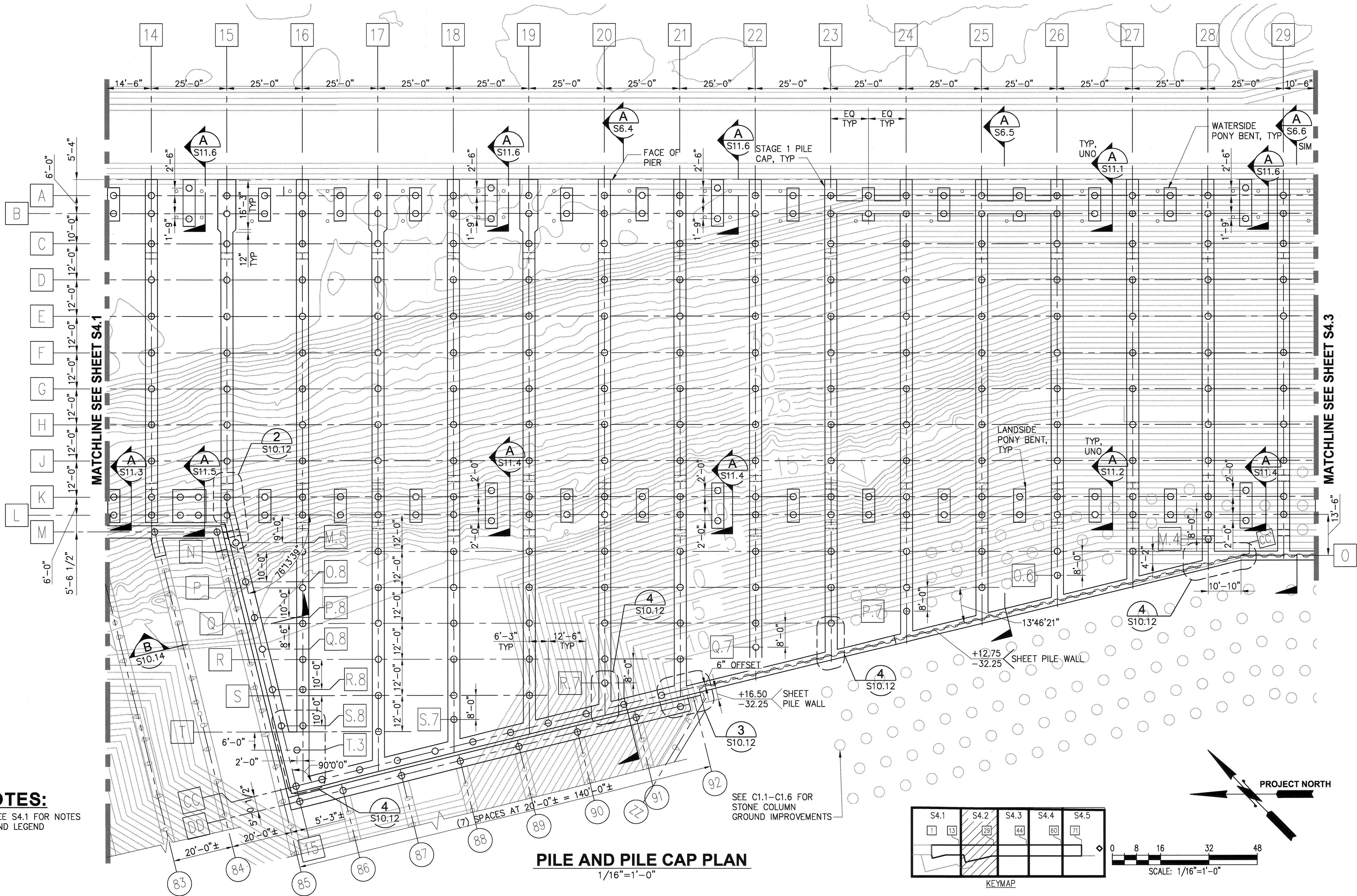
1. SEE C3.1 FOR SLOPE PROTECTION CONTROL POINT COORDINATES.
2. FILTER BLANKET THICKNESS MAY VARY TO ACHIEVE THE TOP SURFACE OF FINISHED ROCK FACE AS DEFINED BY THE SLOPE PROTECTION CONTROL POINTS.



<b>6552</b> <b>C3.3</b> SH 54 OF 499	<b>PIER 4 PHASE 2 RECONFIGURATION</b> SLOPE PROTECTION SECTIONS - SHEET 2				<b>Port of Tacoma</b> P.O. BOX 1887 TACOMA, WA 98401 (253) 396-0150 Fax (253) 396-0162	<b>kpff</b>	2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 396-0150 Fax (253) 396-0162	P.O. BOX 1887 TACOMA, WA 98401 (253) 396-0150	DATE: 4/28/2016	BY: SWK	APP: JUS	REVISION: 1	ADDENDUM #3	MARK: 1	
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CONT/CONS: 070136		TOWNSHIP: DAT-HRZ: PARCEL: 070136 091251		RANGE: VERT: MLW 19.39' @ Tide 22 1933		SECTION: DAT: 070136 091251		TACOMA, WA 98401-1837		TACOMA, WA 98401-1837		TACOMA, WA 98401-1837		TACOMA, WA 98401-1837	
M. ID: 091251		TOWNSHIP: DAT-HRZ: PARCEL: 070136 091251		RANGE: VERT: MLW 19.39' @ Tide 22 1933		SECTION: DAT: 070136 091251		TACOMA, WA 98401-1837		TACOMA, WA 98401-1837		TACOMA, WA 98401-1837		TACOMA, WA 98401-1837	
PHASE: BID		TOWNSHIP: DAT-HRZ: PARCEL: 070136 091251		RANGE: VERT: MLW 19.39' @ Tide 22 1933		SECTION: DAT: 070136 091251		TACOMA, WA 98401-1837		TACOMA, WA 98401-1837		TACOMA, WA 98401-1837		TACOMA, WA 98401-1837	

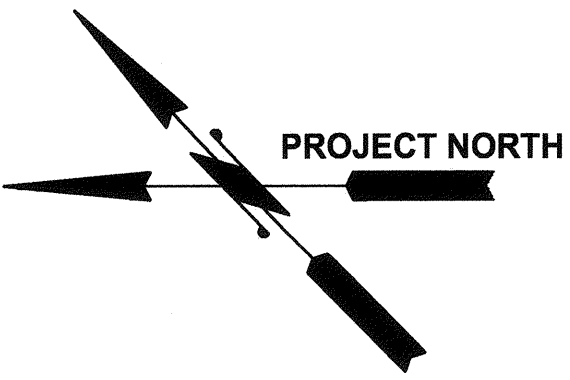
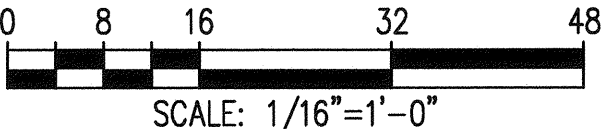
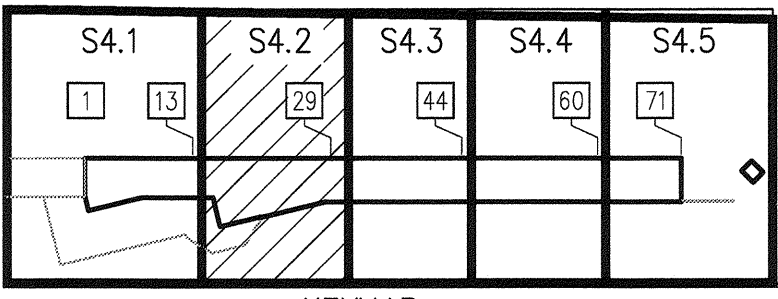
NOTES:

1. SEE S4.1 FOR NOTES AND LEGEND



PILE AND PILE CAP PLAN

1/16"=1'-0"



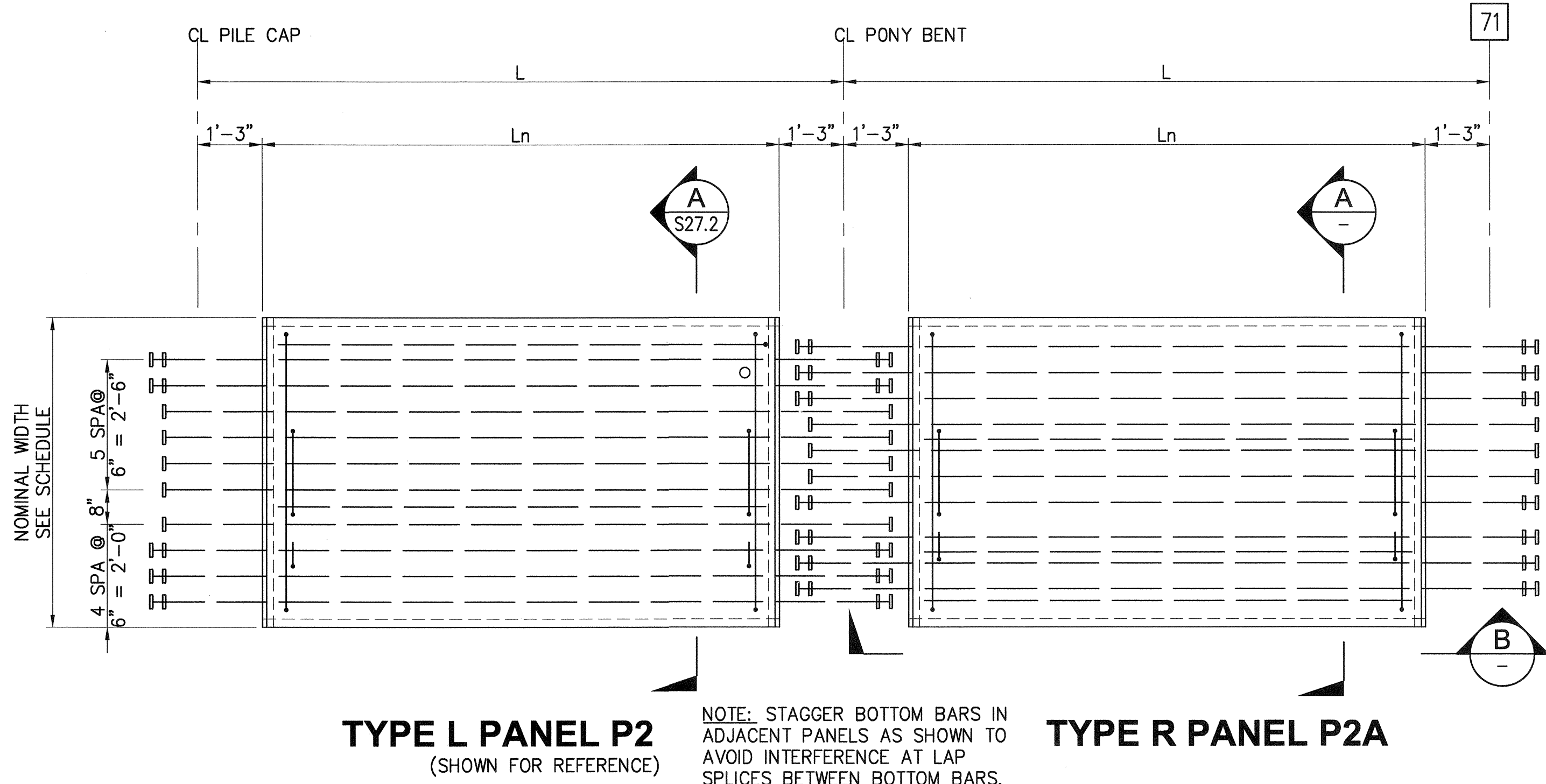
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<i>J. J. Jensen</i>	TAH	TAH	5-2-16
DIRECTOR ENG.	DATE	PROJ. ENGR	DATE
PRINTED BY: j.jensen	Apr 28, 2016		
PORT ADDRESS: ONE SITUUM PLAZA			
TACOMA, WA 98401-1837			

PIER 4 PHASE 2  
RECONFIGURATION  
PILE AND PILE CAP PLAN - SHEET 2

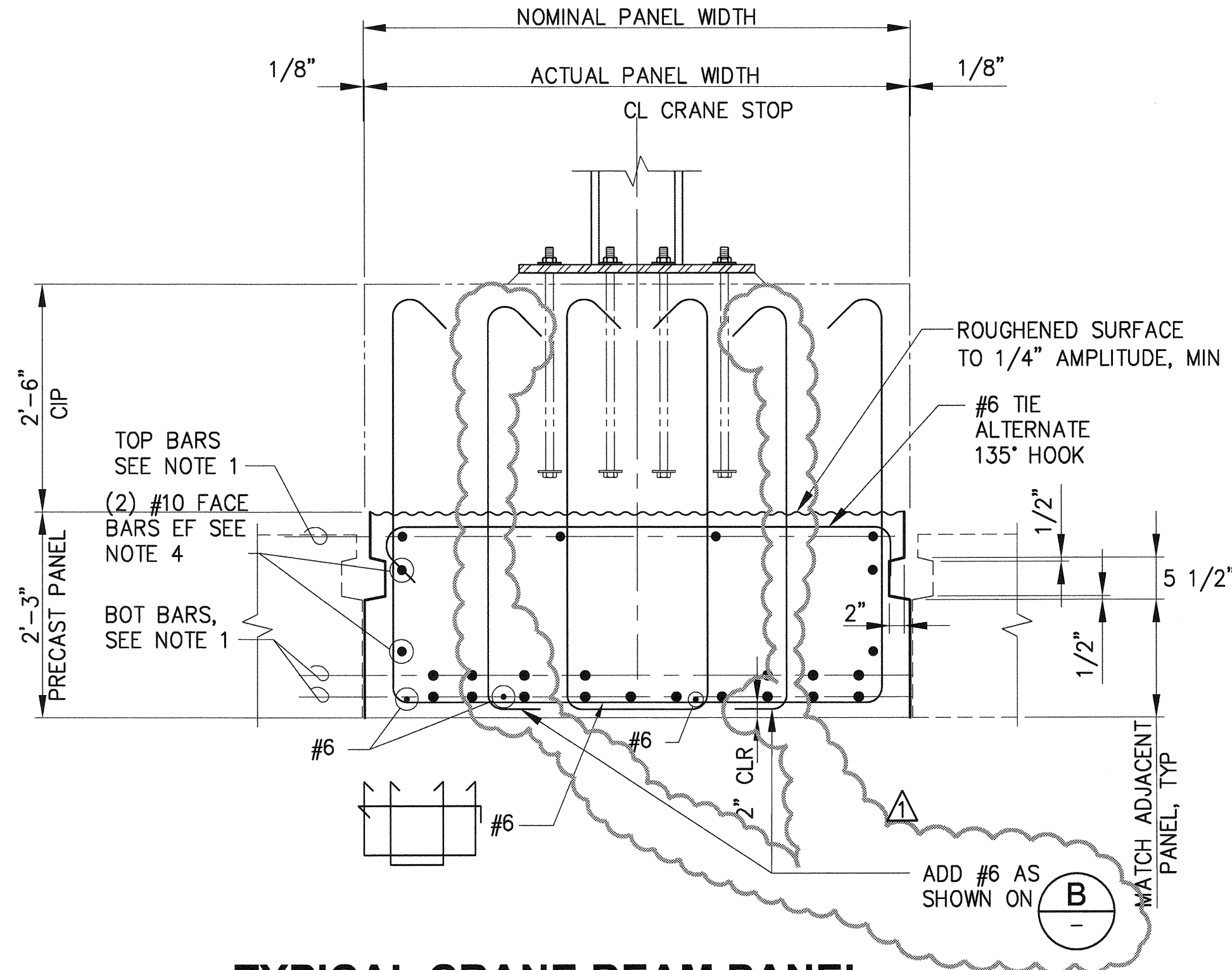
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DAT-HRZ: WA83-SF	VERT: MLW 19.39' @ Tide	22 1933
PARCEL:	DRAWING SCALE: AS NOTED	

6552  
S4.2  
SH 180 OF 499

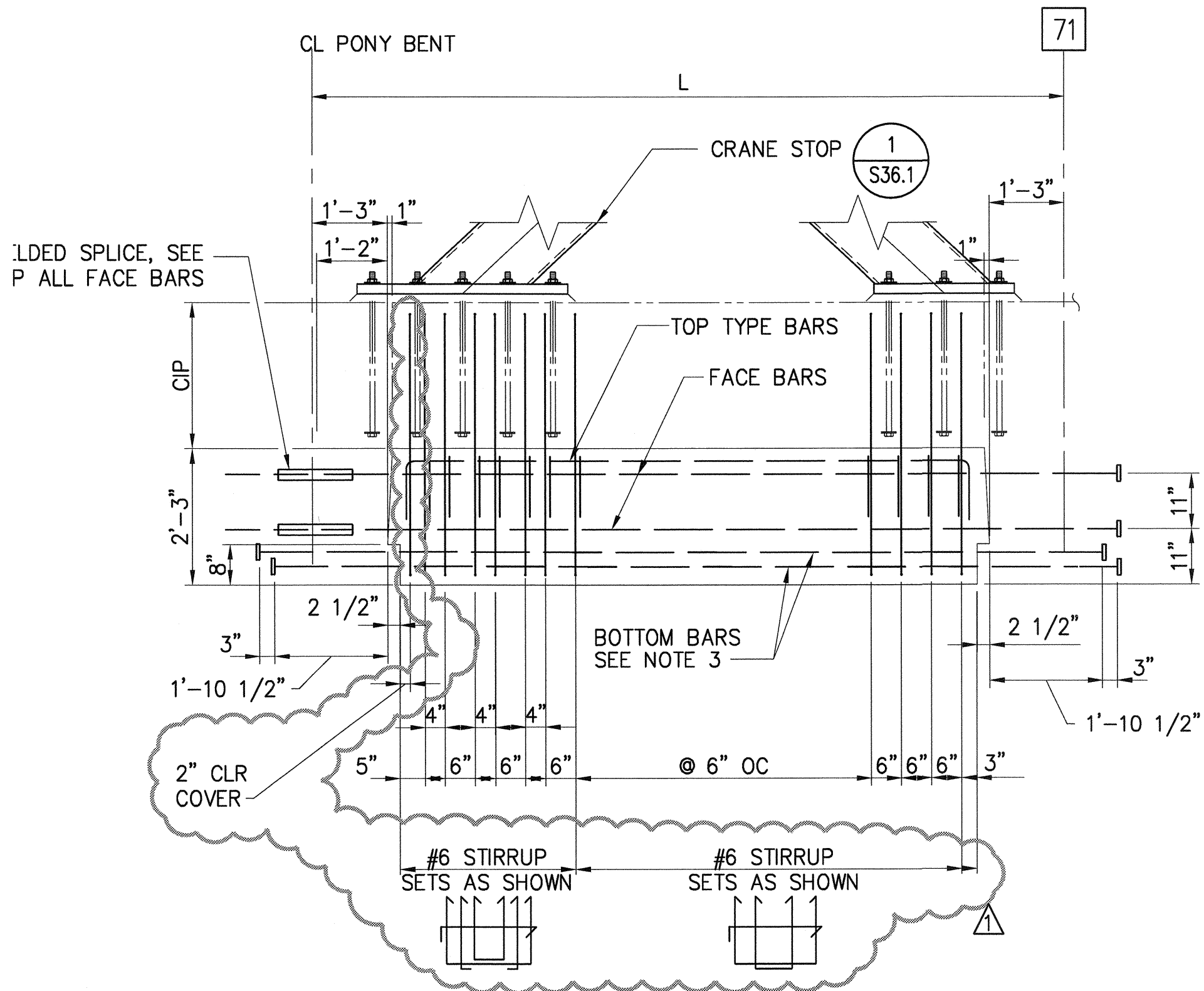
CONTR/CONS: 070136
M. ID: 091251
PHASE: BID



**CRANE BEAM**  
**1 TYPE "L" & "R" PANEL PLAN**  
S26.1 - S26.5 1/2"=1'-0"



**TYPICAL CRANE BEAM PANEL**  
**TYPE "L" SECTION P2A**  
S27.27 - S27.29 3/4"=1'-0"



**TYPICAL TYPE "R" CRANE BEAM**  
**PANEL ELEVATION**  
1/2"=1'-0"

**NOTES:**

1. SEE DECK PANEL SCHEDULE, S26.1 - S26.5
2. USE THIS SHEET FOR PANEL TYPE P2A
3. PROVIDE HEADED REINFORCEMENT, SEE SPECIFICATIONS
4. PROVIDE ASTM A706 GRADE 60 REINFORCEMENT FOR ALL FACE BARS. ALIGN FACE BARS TO SPLICE WITH FACE BARS FROM PANEL TYPE P2. FACE BARS SHALL BE HEADED AT BENT 71

<b>6552</b> <b>S27.45</b> SH 340 OF 499	<b>PIER 4 PHASE 2</b> <b>RECONFIGURATION</b> DECK PANEL DETAILS - SHEET 45	APPROVED: <i>[Signature]</i> 5-2-16	SEK	CHECKED BY	DATE
			TAH	PROJ. ENGR	DATE
CONT/CONS: 070136	TOWNSHIP: 21N	RANGE: 3E	SECTION: 27	PRINTED BY: jhollenbach	Apr 28, 2016
M. ID: 091251	DATE-HRZ: WA83-SF	VERT: MLLW 19.39 @ Tide 22 1933	PORT ADDRESS: ONE SITCUM PLAZA	TACOMA, WA 98401-1837	
PHASE: BID	DRAWING SCALE: AS NOTED	PARCEL:			

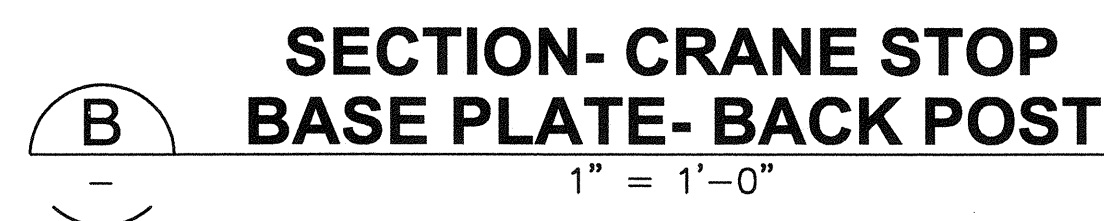
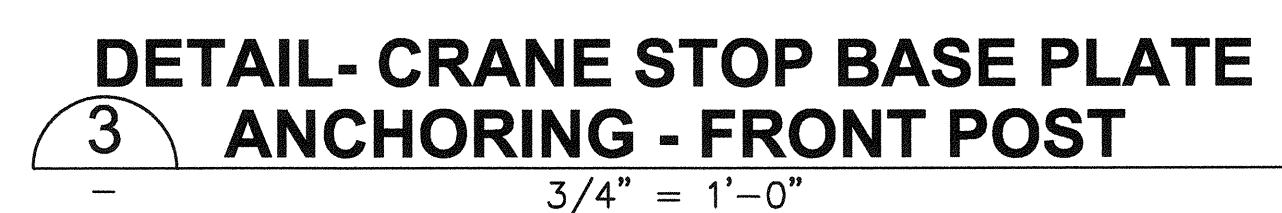
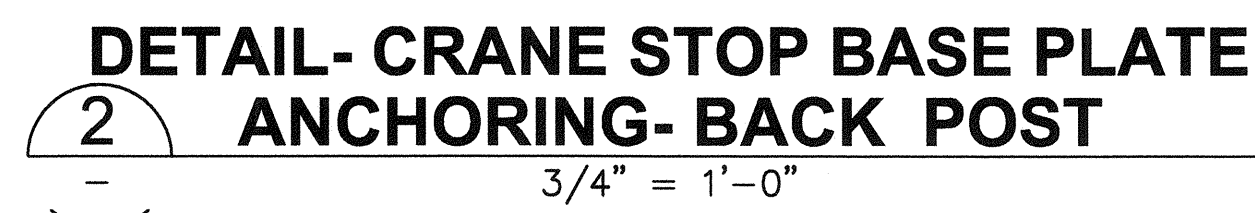
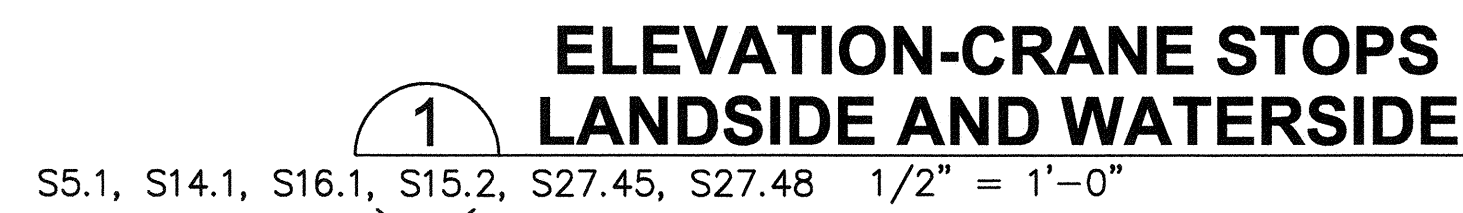
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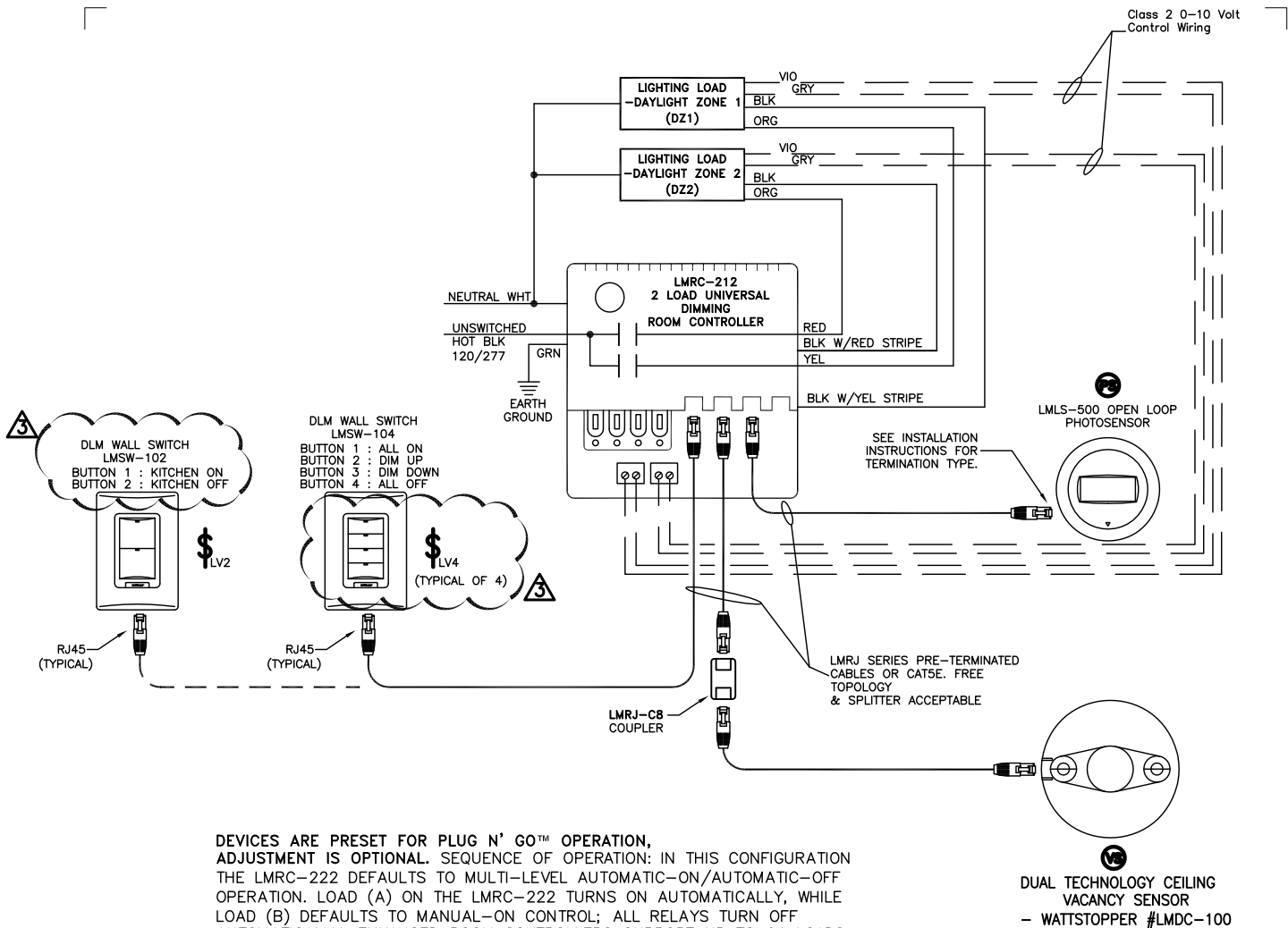
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**kpff**  
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REVISION: #3  
BY: TA  
APP: SEK  
DATE: 4/28/2016

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DEVICES ARE PRESET FOR PLUG N' GO™ OPERATION, ADJUSTMENT IS OPTIONAL. SEQUENCE OF OPERATION: IN THIS CONFIGURATION THE LMRC-222 DEFAULTS TO MULTI-LEVEL AUTOMATIC-ON/AUTOMATIC-OFF OPERATION. LOAD (A) ON THE LMRC-222 TURNS ON AUTOMATICALLY, WHILE LOAD (B) DEFAULTS TO MANUAL-ON CONTROL; ALL RELAYS TURN OFF AUTOMATICALLY. ENHANCED ROOM CONTROLLERS SUPPORT UP TO 64 LOADS AND 48 DEVICES PER DLM LOCAL NETWORK. AT SYSTEM STARTUP, DEFAULT DIMMING PARAMETERS ARE ESTABLISHED INCLUDING: LEVELS FOR PRESETS 1-4; FADE TIMES; AND FADE AND RAMP RATES. DIMMING AND SYSTEM PARAMETERS MAY BE CUSTOMIZED. FOR FULL OPERATIONAL DETAILS, ADJUSTMENTS AND MORE FEATURES OF THE PRODUCT, SEE THE DLM SYSTEM INSTALLATION GUIDE AT [WWW.WATTSTOPPER.COM](http://WWW.WATTSTOPPER.COM)

## TYPICAL DAYLIGHT HARVESTING 1 OR 2 RELAY ROOM CONTROLLER WIRING DETAIL - ENCLOSED OFFICE WITH DAYLIGHT

NOT TO SCALE

TCF Architecture

P.253.572.3993  
F.253.572.1445  
902 North Second Street  
Tacoma, Washington 98403  
[www.tcfarchitecture.com](http://www.tcfarchitecture.com)

TCF Architecture, PLLC

## DAYLIGHT HARVESTING LIGHTING CONTROLLER WIRING DETAIL

Project Title

PIER 4 PHASE 2  
MARINE BUILDING



P.O. BOX 1837 TACOMA, WA 98401 (253)383-5841

Project Number  
TCF: 2015-010

Date  
2016-4-29

Drawn By  
HS

Sheet Number  
E5.01

ADDENDUM #3

ESK-1