



Alaska Railroad Corporation  
327 W. Ship Creek Ave.  
Anchorage, AK 99501

January 3, 2024

## Addendum 2

ITB #23-70-211531

Seward Passenger Dock Repair-2024

**Addendum number 2 has been issued for questions.**

The Closing Date for this ITB has changed.

Bids will be received until January 5, 2024 @ 3:00 PM Alaska time.

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### **Questions:**

1. Plan Sheet 2 of 7, Materials note calls for cement to be Type III High Early with Tri-Calcium Aluminate. This is not typical. The local concrete provider is planning to shut down for the month of April, which will require the concrete to come from a greater distance. Hauling High Early Concrete from a couple hours away is problematic. Will the ARRC reconsider using a more standard mix that will lend itself to hauling from a greater distance?

Alternative cement (Type II mod) will be acceptable if the Contractor can insure additional deck closure durations are not required. Alternative Concrete is subject to ARRC approval, Contractor shall submit a mix design and placement plan of any proposed changes.

2. Page 4 Significant Findings Memo, Photo 3, Photo 6 shows larger rocks round the pile to be repaired. Plan Sheet 6 of 7 note "Extend Repair 6" +/- into existing grade if bottom of repair is above EL = -2'-0". Typ". Where is the 6 inches measured from? Does the ARRC intend for the contractor to move any of the riprap to do the repairs?

The 6" is measured from the top of seabed material adjacent to the pile. If a footing repair/modification has been performed on a pile, top of this modification may be acceptable is remaining material is intact. Reference "PAX Dock Pile Splices 2007 repairs" made part of the Project reference files by way of this response.

RipRap may remain in place if it does not interfere with intended repair or any excavation required to affect the repair.

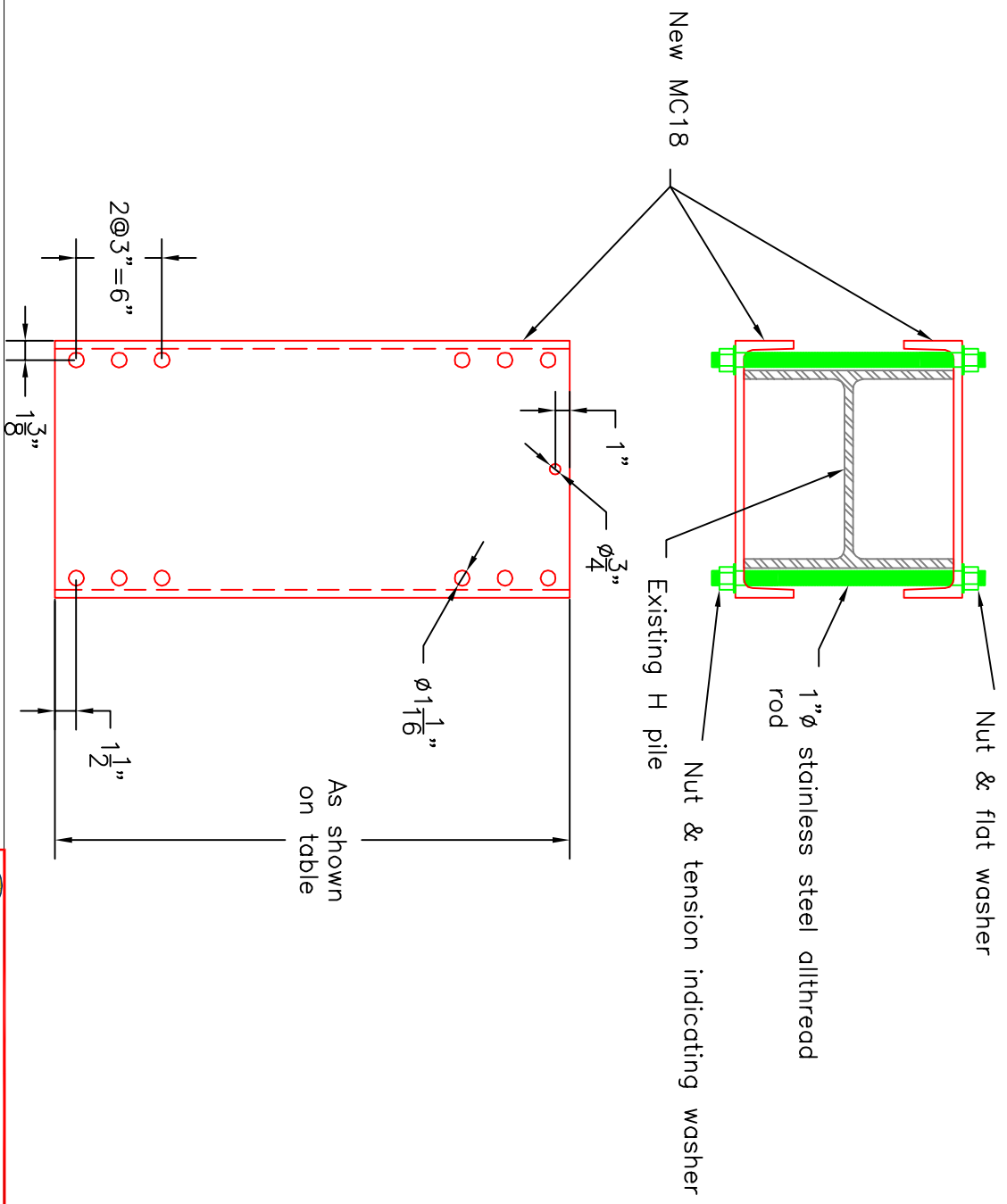
3. Regarding access during cruise ship season, for the Priority 2 and 3 work. Would there be any restrictions for work from end of April to August with regards to cruise ships at the Passenger Dock? Specifically would work be allowed on cruise ship days, and what sort of security would be required on those days with regards to work crew, work space, etc.?

The Contractor will be able to work on the dock repairs during cruise ship days if they do not impact cruise operations. This will require clearing marine vessels from ships and limited on-dock space. On double or triple cruise ship days, this may not be possible.

All other terms and conditions remain unchanged.  
If there are any questions regarding this addendum please let me know.

Thank you,

*Greg C Goemer*  
Sr. Contract Administrator  
Alaska Railroad Corporation

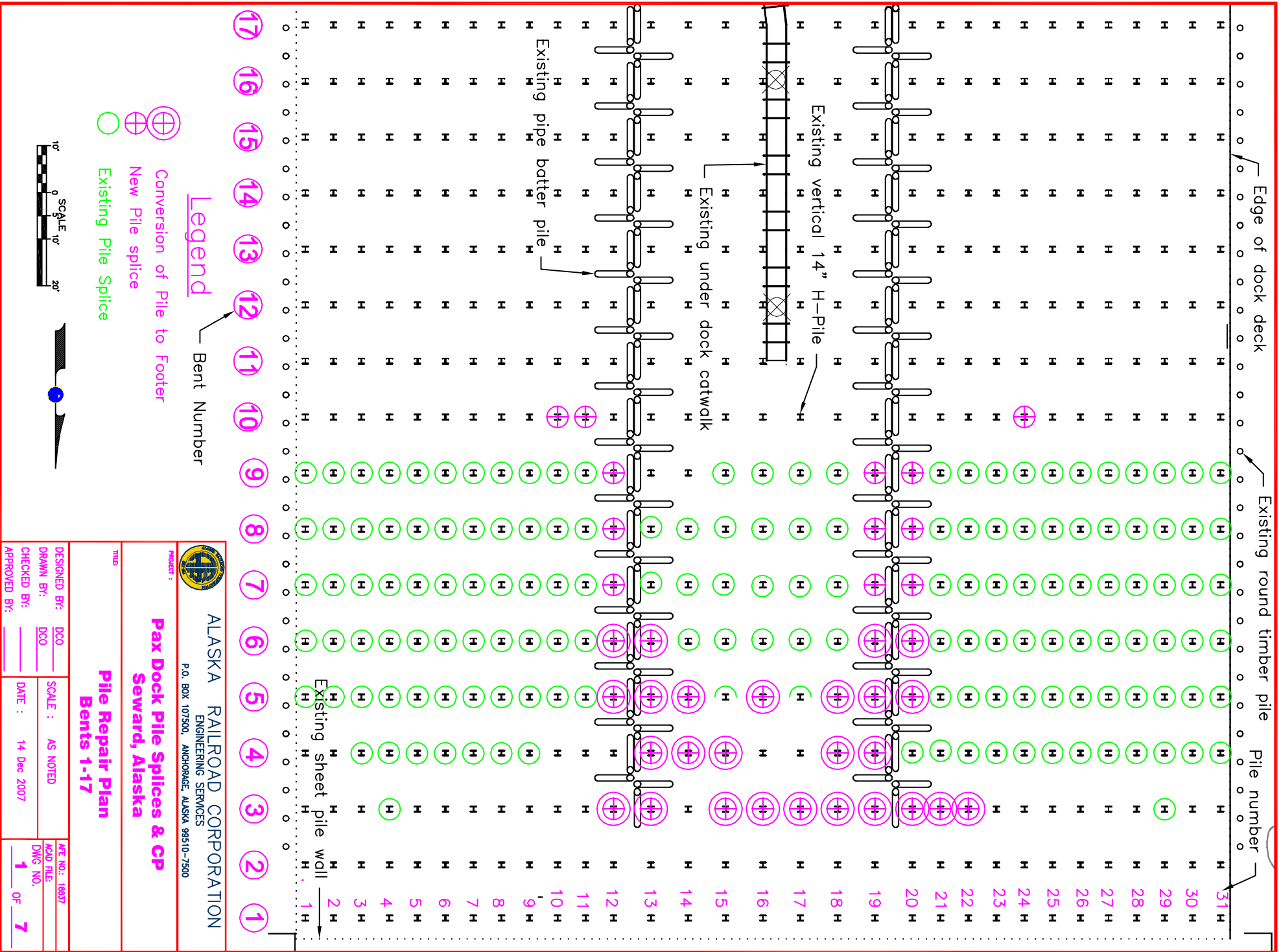


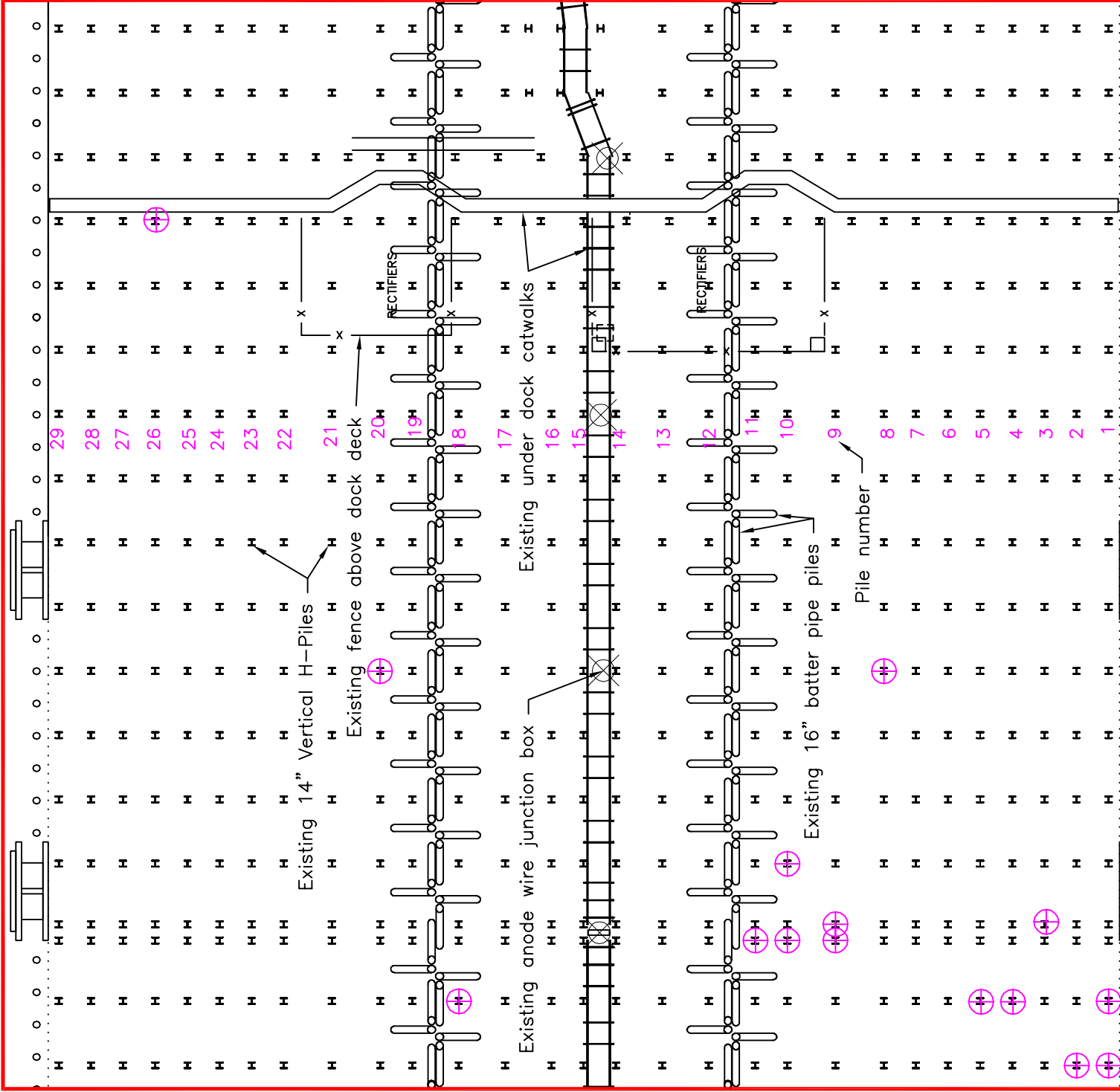
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 ENGINEERING SERVICES  
 P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500

**Pax Dock Pile Splices & CP**  
**Seward, Alaska**

**MC18 Pile Splices**

DESIGNED BY:	DCD	SCALE :	AS NOTED	A/E NO.:	18837
DRAWN BY:	DCD			ACAD FILE:	
CHECKED BY:		DATE :	27 Nov 2007	DWG NO.:	1
APPROVED BY:					1





29 28 27 26 25 24 23 22 21 20 19 18

25 24 23 22 21 20 19 18

26 27 28 29 30 31 32

34 33 32 31 30 29 28 27 26

35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18



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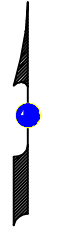
PROJECT: **Pax Dock Pile Splices & CP Seward, Alaska**

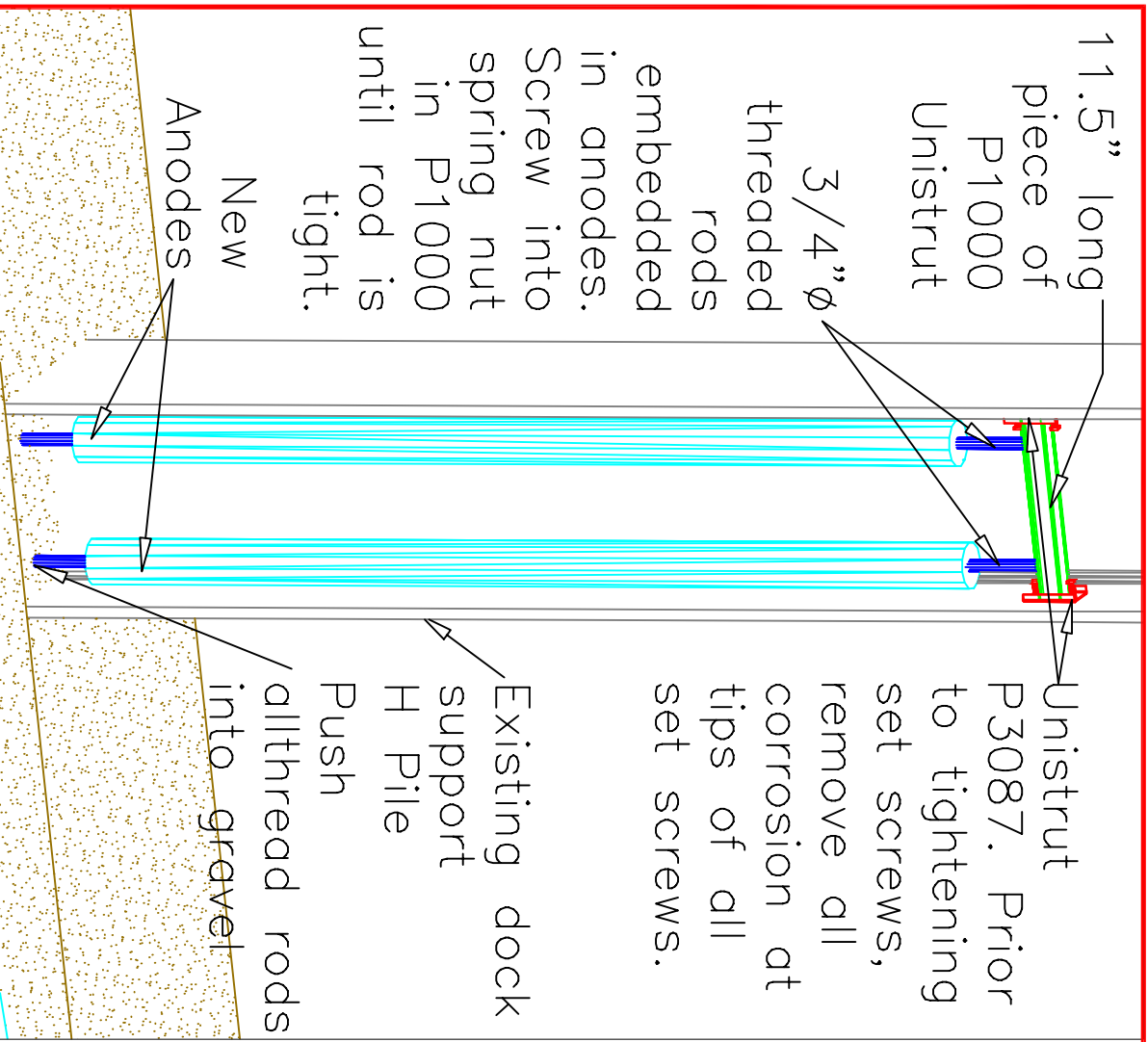
TITLE: **Pile Repair Plan Bents 18-35**

DESIGNED BY: DCO	SCALE: AS NOTED	AFE NO.: 18837
DRAWN BY: DCO		ACAD FILE:
CHECKED BY:	DATE: 14 Dec 2007	DWG NO. <b>2</b> OF <b>7</b>
APPROVED BY:		

Legend

⊕ New Pile splice





11.5" long  
 piece of  
 P1000  
 Unistrut

Unistrut  
 P3087. Prior  
 to tightening  
 set screws,  
 remove all  
 corrosion at  
 tips of all  
 set screws.

Anodes  
 New

Existing dock  
 support  
 H Pile  
 Push  
 allthread rods  
 into gravel

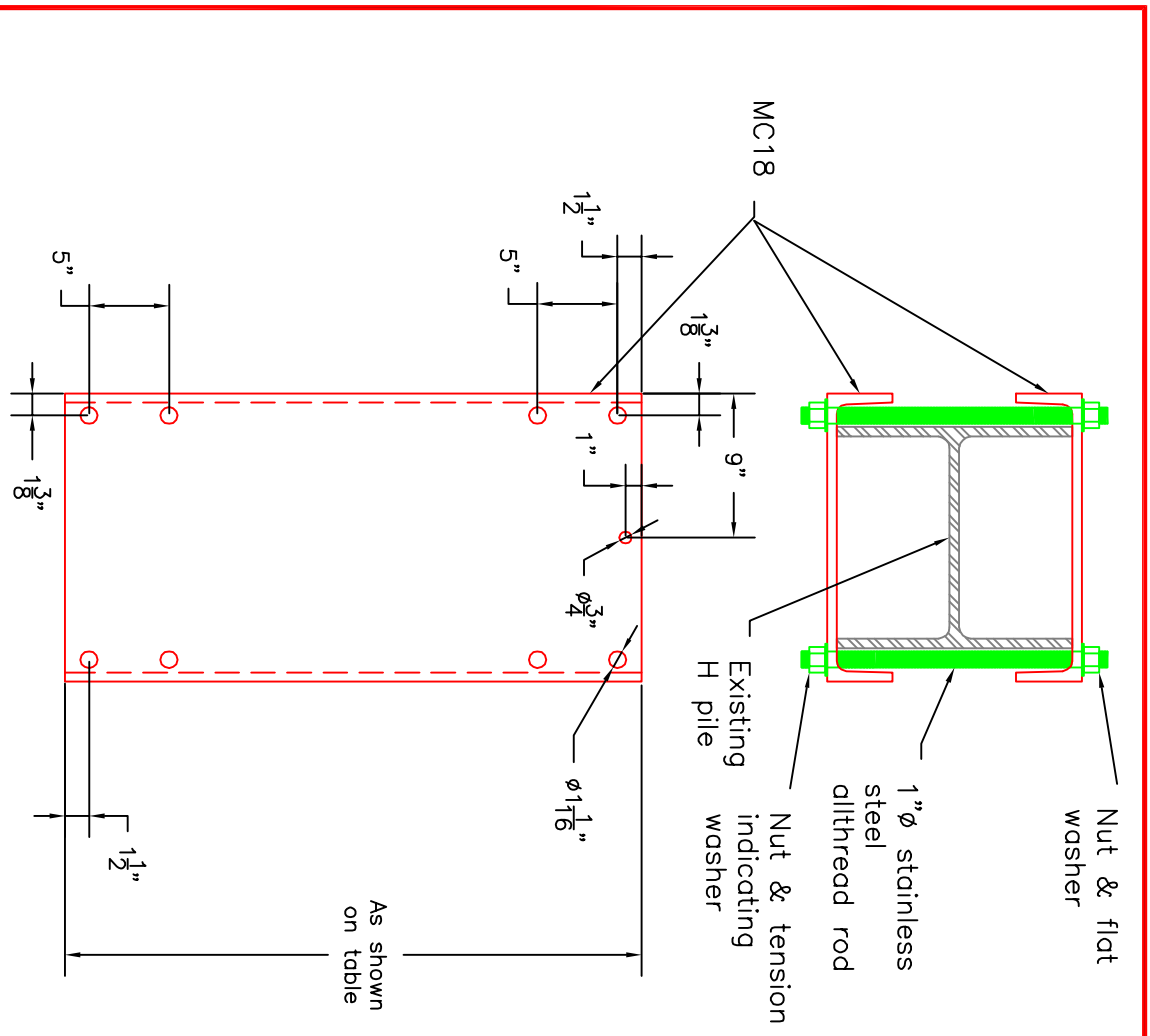
- Notes:
1. Install 250 anodes on 125 piles on all bents 1 through 9. Install on sheet pile wall as well if it is not electrically continuous with H-piles.
  2. Piles should be as uniformly distributed as practical over the entire installation area.
  3. Do not install anodes on piles that will be converted to footers

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**Pax Dock Pile Splices & CP**  
**Seward, Alaska**

TITLE		A/E NO. : 18837	
<b>Anode Installation</b>		ACAD FILE:	
DESIGNED BY: DCO	SCALE : AS NOTED	DWG NO.	<b>3</b> OF <b>7</b>
DRAWN BY: DCO	DATE : 14 Dec 2007		
CHECKED BY:			
APPROVED BY:			

# Seward Pax Dock



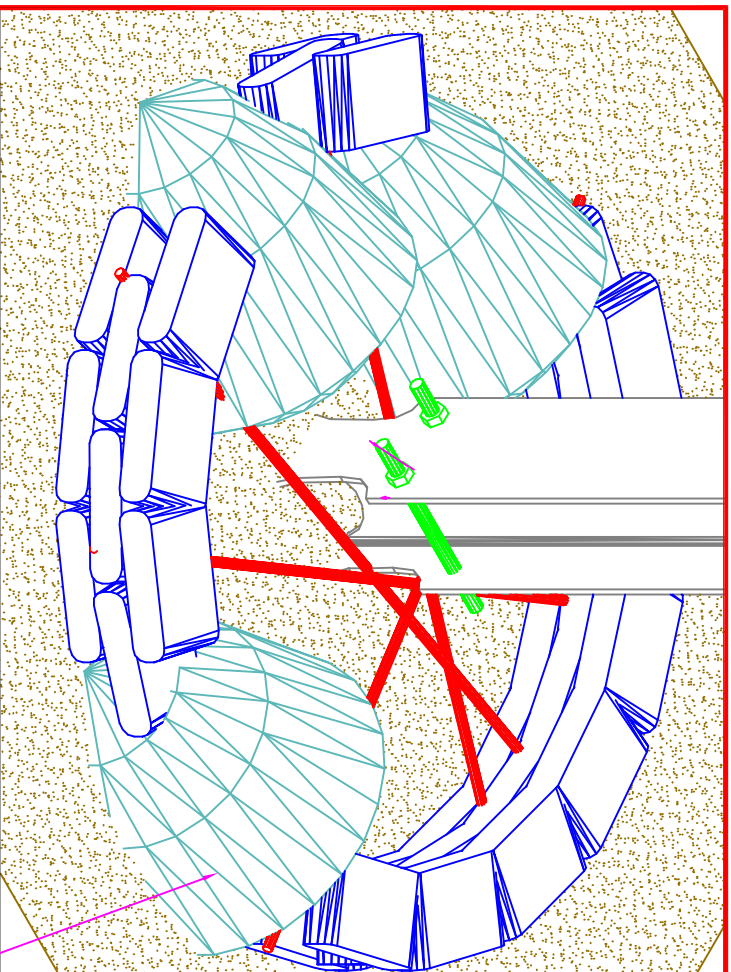
Channel Splice Plan			Work on	Work on	Dist from
Bent	Pile	Channel Length (ft)	bottom of splice	top of splice	bottom of pile cap to top of chan (ft)
7	12	7	LOW	-3	4
7	19		1-high, 1-low	-3	
7	20		1-high, 1-low	-3	
8	12		LOW	-3	
8	19		1-high, 1-low	-3	
8	20		1-high, 1-low	-3	
9	12		LOW	-3	
9	19		1-high, 1-low	-3	
9	20		1-high, 1-low	-3	
10	10		1-high, 1-low		
10	11		1-high, 1-low		
10	24	6	LOW	-2	4
21	28		LOW		
28	8	3	LOW	1.5	4.5
28	20	8	LOW	-2	6
29	8	3	LOW	1.5	4.5
32	3	6	HIGH	-2	4
32	9	6	LOW	-2	4
33	9	8	Medium	-2	6
33	10	8	Medium	-2	6
33	11	8	Medium	-2	6
34	1	6	HIGH	-3	3
34	4	7	one medium	-2.5	4.5
34	5	7	one low	-2.5	4.5
34	18	7	LOW	-2	5
35	1	7	HIGH	-2.5	4.5
35	2	7	HIGH	-2.5	4.5

  
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**Pax Dock Pile Splices & CP**  
**Seward, Alaska**

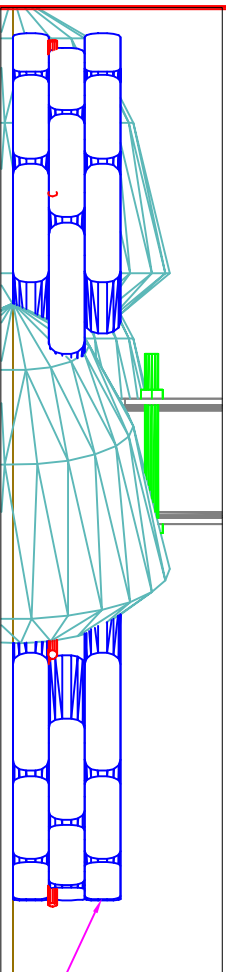
**MC18 Pile Splices**

DESIGNED BY: DCD	SCALE: AS NOTED	ACD NO.: 18837
DRAWN BY: DCD		ACD FILE:
CHECKED BY:	DATE: 14 Dec 2007	DWG NO. 4 OF 7
APPROVED BY:		



### Isometric View

New #8 (1"Ø) rebar. Place on first layer of concrete bags. Bend or cut as required to fit around rip rap.

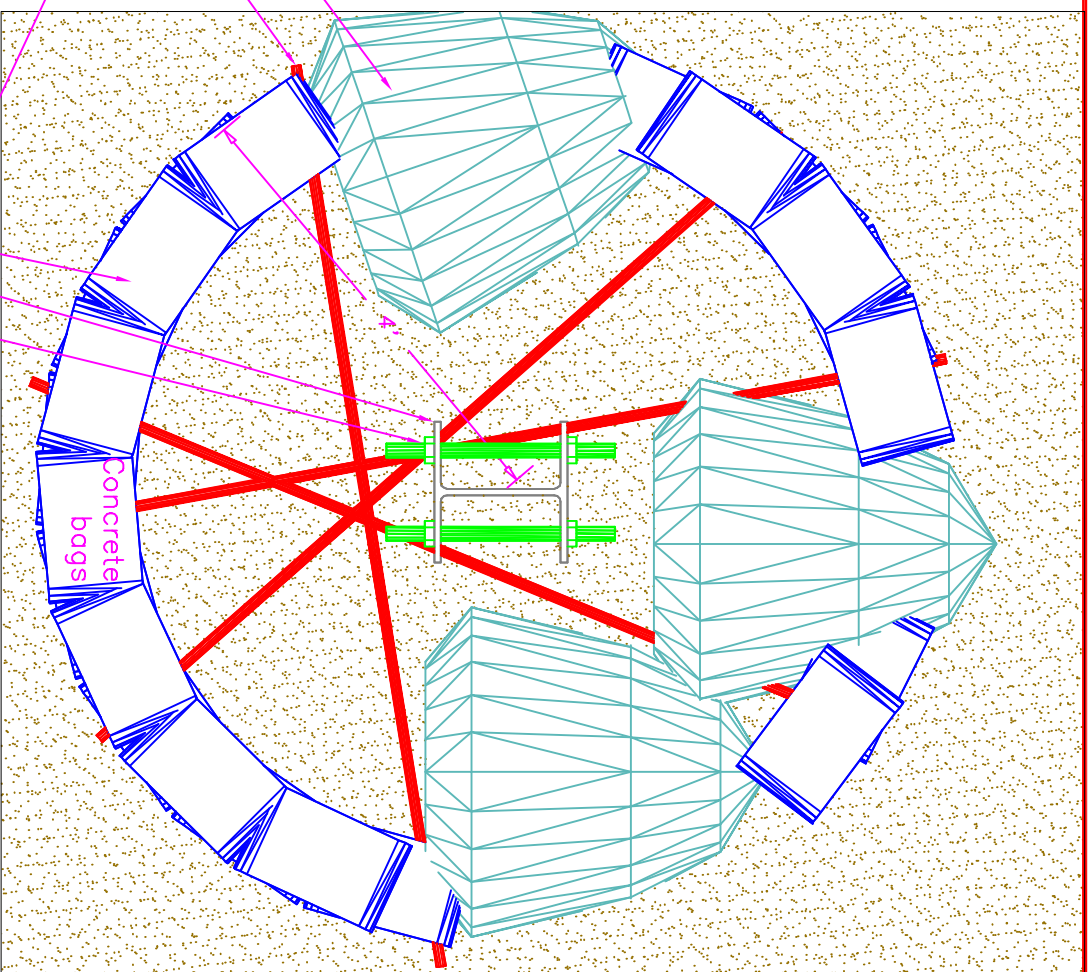


### Side View

Remove all loose scale from existing pile up to 6" above new allthread rods with hydroblaster. Use Hydroblaster to excavate as deep a hole as possible around pile.

New 1.5"Ø x 24" long allthread rod with nuts on both sides. Torch cut holes in both flanges leaving at least 3" of near full thickness flange below and beside hole. Insert allthread rods and tighten nuts sufficiently to hold the rods to the top of the holes during concrete pour. Do not tighten them enough to bend the pile flanges.

Note: If 1.5"Ø allthread has to be mounted more than 6" above top of sandbags, then add two layers of welded wire fabric prior to pouring the concrete as shown on Drawing 7.



### Plan View



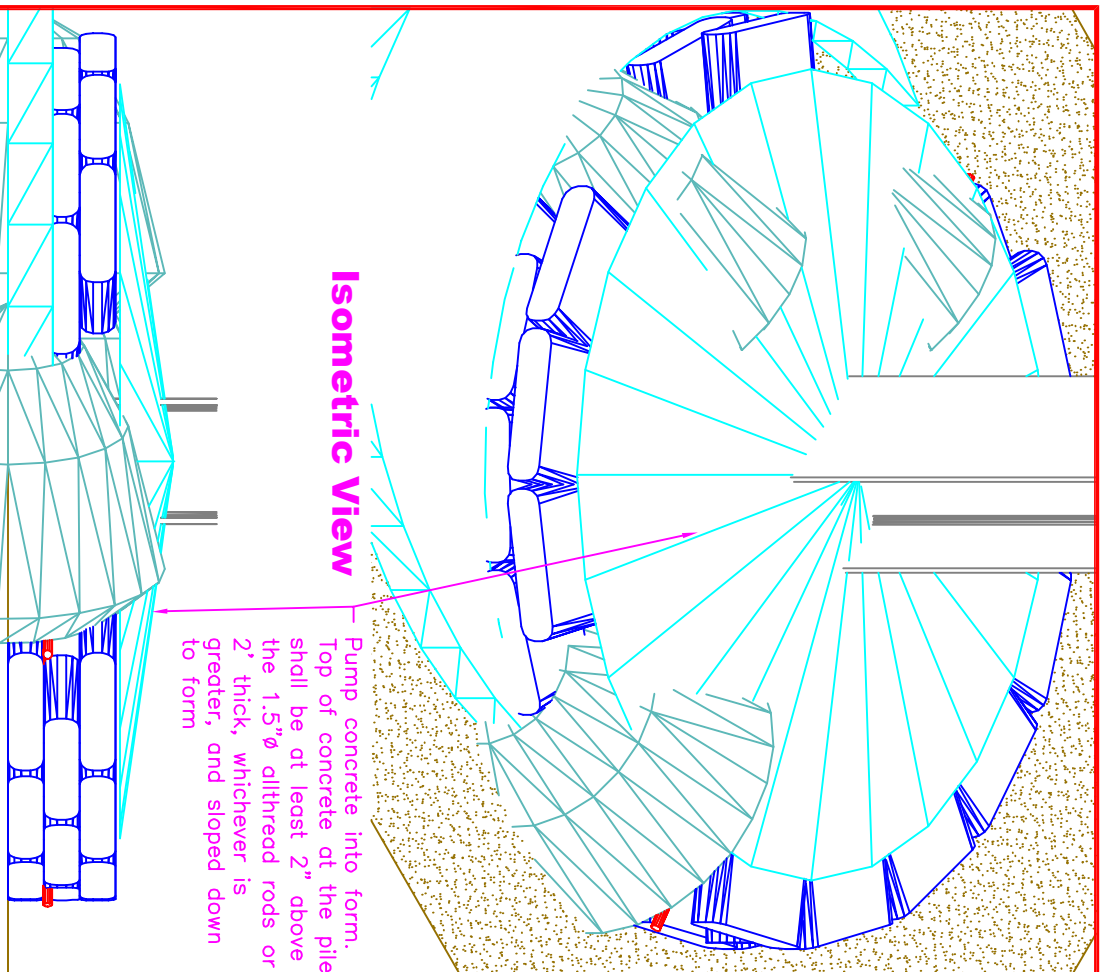
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**Pax Dock Pile Splices & CP**  
Seward, Alaska

**Concrete Bag Formwork**  
**Conversion of pile to spread footing**

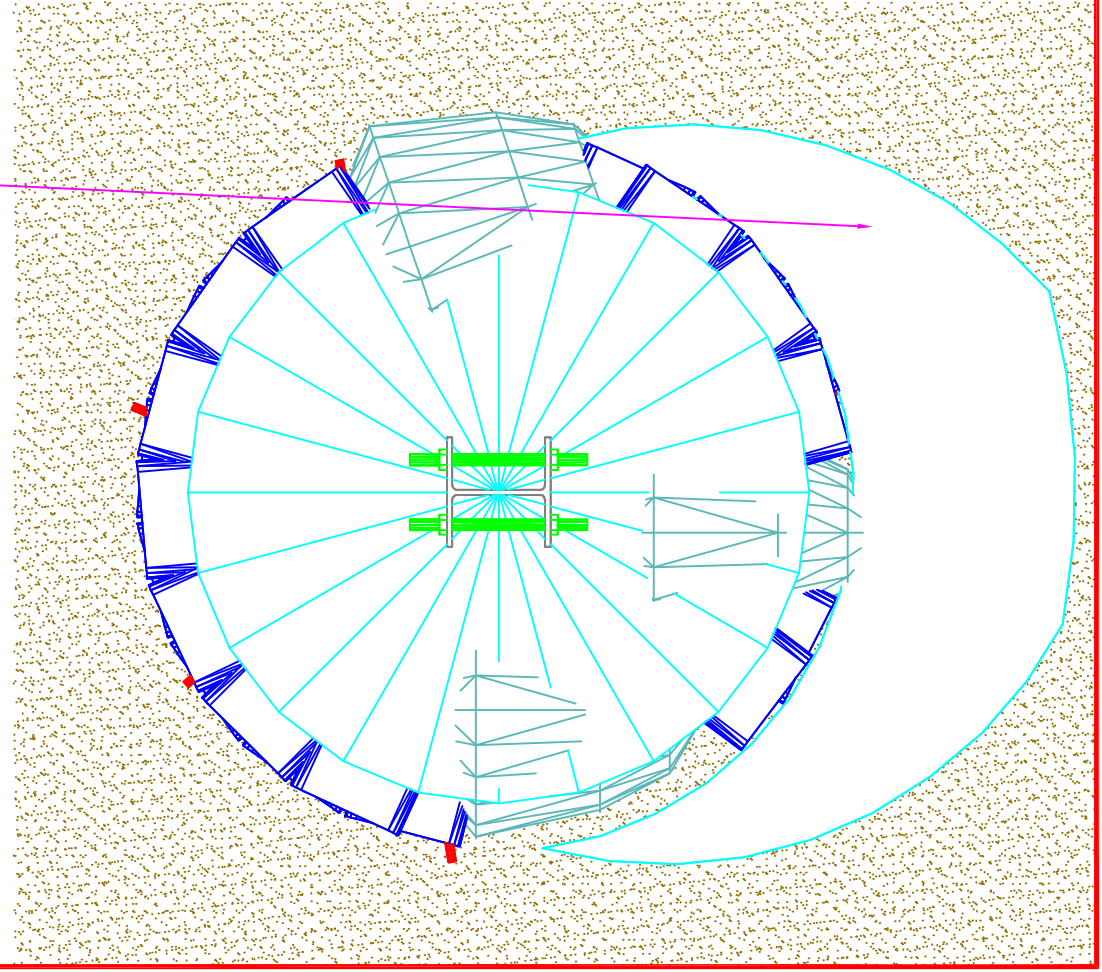
DESIGNED BY: DCO	SCALE: AS NOTED	APP NO.: 18837
DRAWN BY: DCD		ACAD FILE:
CHECKED BY:	DATE: 14 Dec 2007	DWG NO. 5 OF 7
APPROVED BY:		





**Isometric View**

Pump concrete into form. Top of concrete at the pile shall be at least 2" above the 1.5"Ø allthread rods or 2' thick, whichever is greater, and sloped down to form.



**Plan View**

Make 4"-6" thick concrete scour apron on the south (toward ocean) side of the form by pumping concrete into this area without formwork.

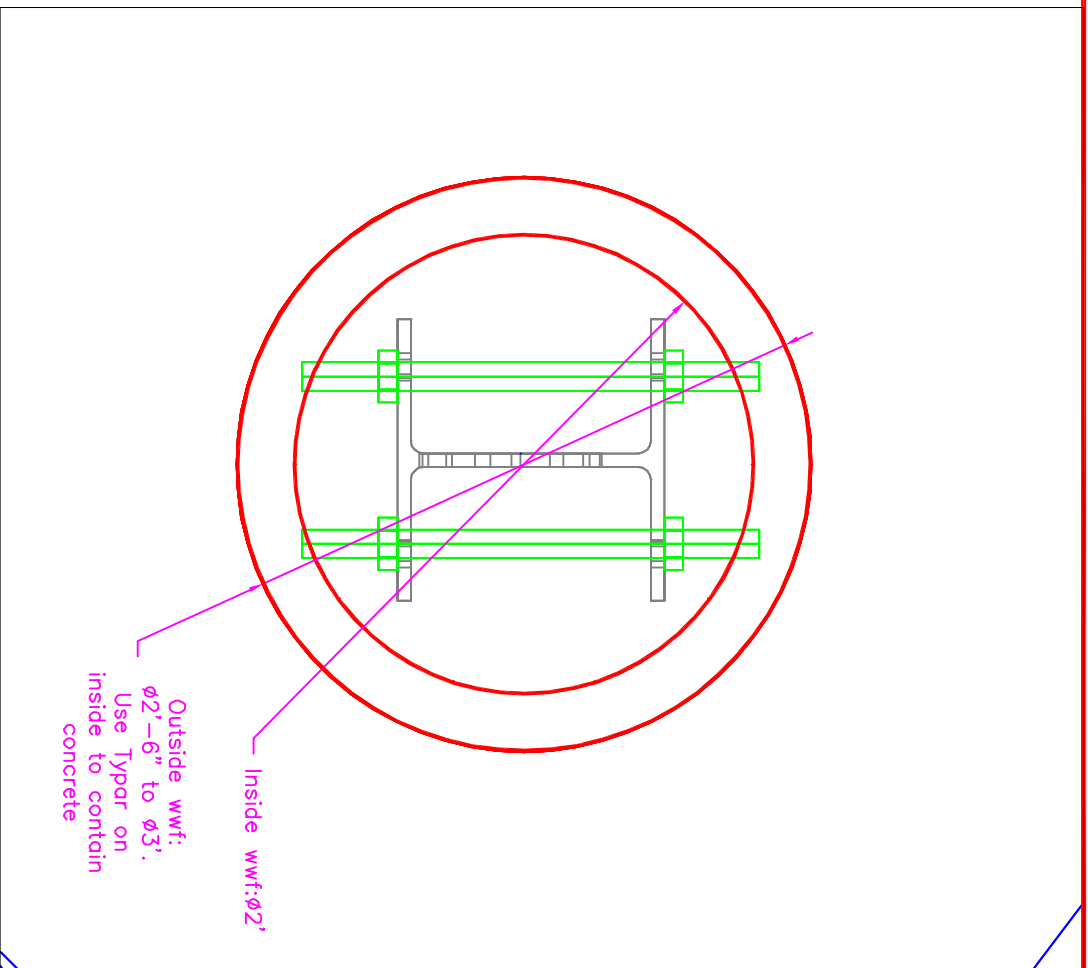
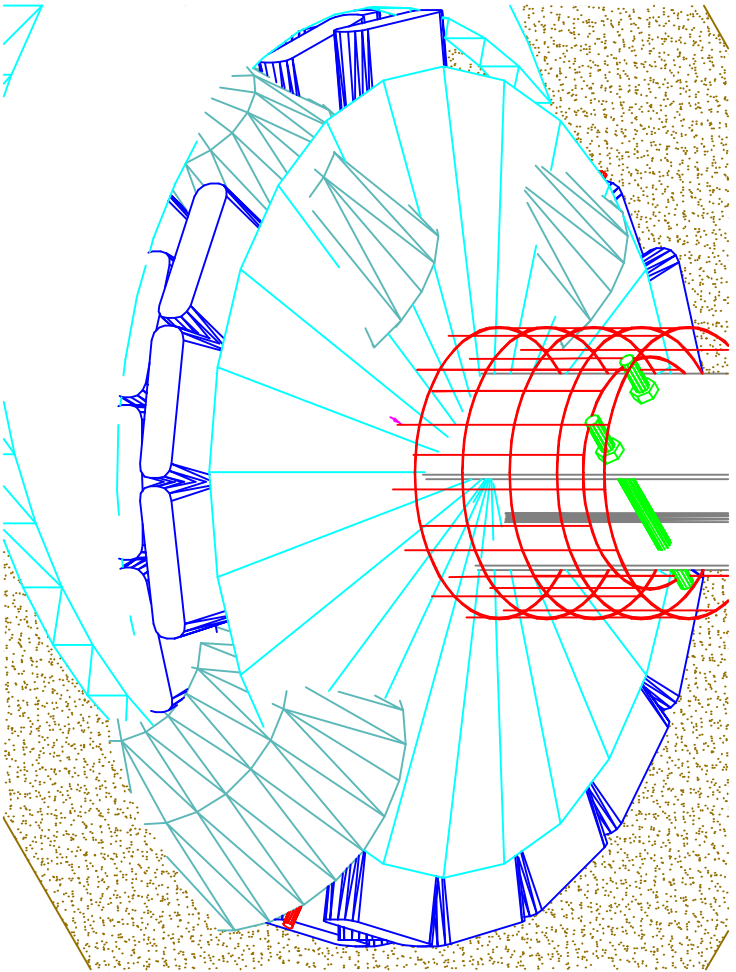
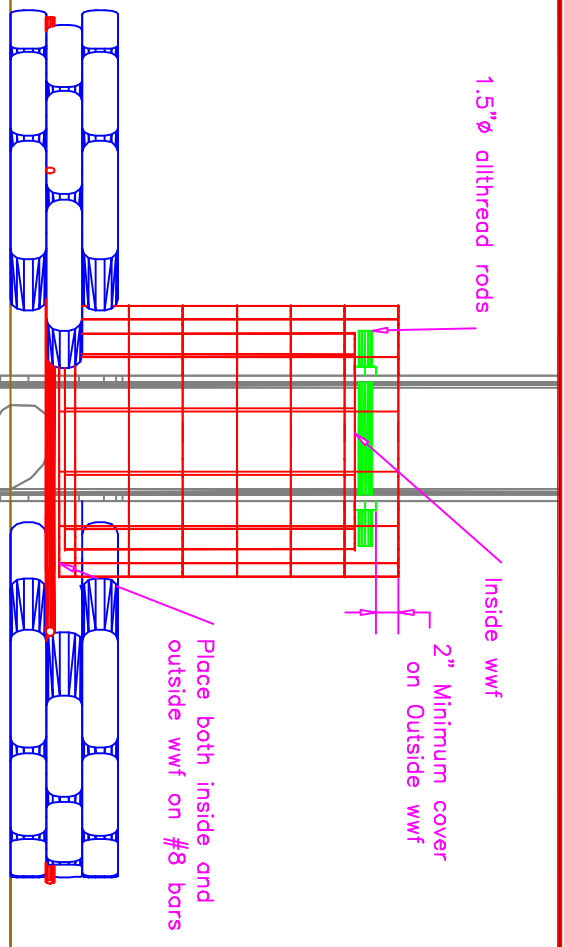
- Notes:
1. Concrete shall be five sack or stronger mix. It shall contain 2 lbs/CY polypropylene fibers.
  2. Use type III cement in concrete mix. Use superplasticizer only as required to make mix pumpable.
  3. Concrete may be poured with water in form. If so start with nozzle close to the mudline as possible.
  4. If any gaps in the formwork large enough to drain significant quantities of concrete from the form exist, use geotextile to cover them.
  5. No concrete finish is required.



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**Pax Dock Pile Splices & CP  
Seward, Alaska**

**Concrete Pour for Low Corrosion Damage  
Conversion of pile to spread footing**

DESIGNED BY: DCD	SCALE: AS NOTED	A/E NO.: 18837
DRAWN BY: DCD		A/CID FILE:
CHECKED BY:	DATE: 14 Dec 2007	DWG NO. <b>6</b> OF <b>7</b>
APPROVED BY:		



 <p><b>ALASKA RAILROAD CORPORATION</b> ENGINEERING SERVICES P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500</p>		<p><b>Plan View</b></p>	
		<p><b>Pax Dock Pile Splices &amp; CP</b> Seward, Alaska</p>	
<p><b>Modification of footer for higher corrosion</b> Conversion of pile to spread footing</p>			
DESIGNED BY:	DCO	SCALE :	AS NOTED
DRAWN BY:	DCD	DATE :	14 Dec 2007
CHECKED BY:			
APPROVED BY:			
<p>AE NO.: 18837</p>		<p>ACAD FILE: <b>7</b></p> <p>DWG NO.: <b>7</b> OF <b>7</b></p>	