

Legacy Contracting, Inc.

41850 Kingston Jordan Rd.
 PO Box I
 Stayton, OR 97383
 U.S.

Phone: 503-749-1818
 Fax: 888-249-2203

Item Price Summary

Project Name: Port Of Siuslaw Bulkhead Conceptual Replacement Plan	Customer: PORT OF SIUSLAW
Job Number:	Billing Address: PO BOX 1220, 100 HARBOR STREET
Bid As:	FLORENCE, OR 97439
Estimator:	Phone: 541-997-3040
Project Address:	Contact:
Completion Date:	

Pay Items

Description	Job Cost ID	Bid Quantity	UM	Unit Bid Price	Total Bid Price
① 1 - MOBILIZATION		1.00	LS	\$142,909.54	\$142,909.54
① 2 - EROSION CONTROL		1.00	LS	\$7,906.04	\$7,906.04
① 3 - POLLUTION CONTROL PLAN		1.00	LS	\$31,864.97	\$31,864.97
① 4 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS		1.00	LS	\$44,392.13	\$44,392.13
① 5 - GENERAL EXCAVATION IN FRONT OF SHEET PILE		500.00	CY	\$31.42	\$15,710.00
① 6 - FURNISH PILE DRIVING EQUIPMENT		1.00	LS	\$38,882.25	\$38,882.25
① 7 - FURNISH & DRIVE SHEETS		1.00	LS	\$416,530.99	\$416,530.99
① 8 - FURNISH & INSTALL HELICAL ANCHORS		91.00	EACH	\$1,557.90	\$141,768.90
① 9 - CONCRETE BULKHEAD CAP, CLASS 3300		1.00	LS	\$50,991.76	\$50,991.76
① 10 - CONCRETE WALKS		2,225.00	SF	\$7.80	\$17,355.00
① 11 - STEEL CHANNEL WHALERS		1.00	LS	\$240,147.69	\$240,147.69
① 12 - AGGREGATE BASE		1.00	LS	\$4,610.96	\$4,610.96
① 13 - CONSTRUCTION SURVEY WORK		1.00	LS	\$16,500.00	\$16,500.00
① 14 - TEMPORARY/PERMANENT DOCK BULKHEAD		1.00	LS	\$11,000.00	\$11,000.00
① 15 - REMOVE AND REINSTALL EXISTING SIGNS		12.00	EACH	\$422.41	\$5,068.92
Pay Items Total:					\$1,185,639.15

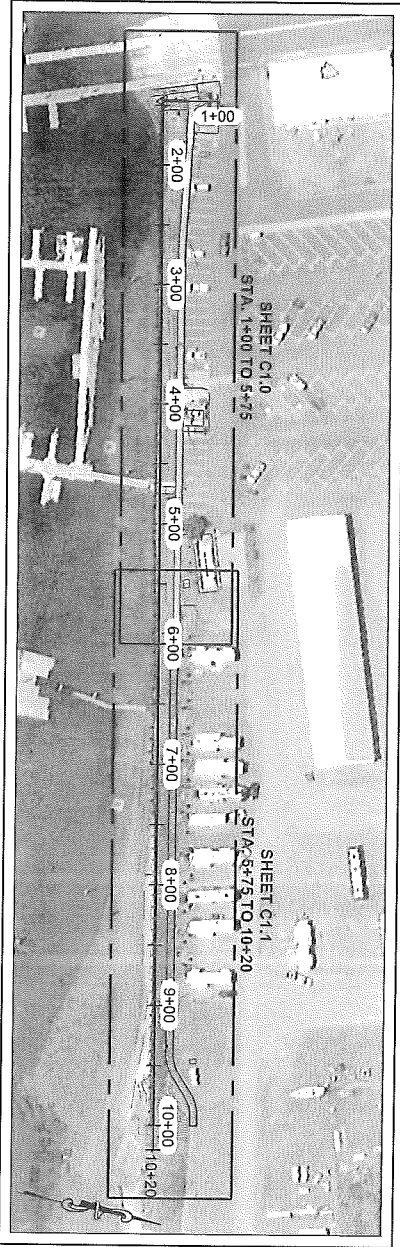
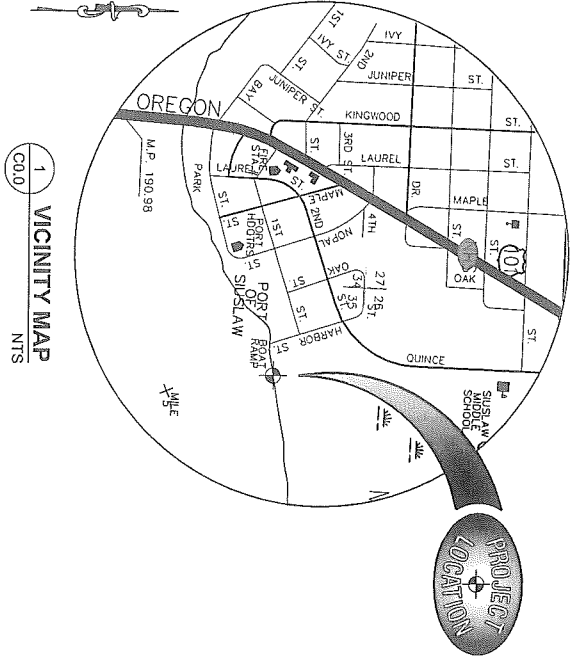
BULKHEAD CONCEPTUAL REPLACEMENT PLAN

A PROJECT FOR:
PORT OF SIUSLAW

PROJECT NARRATIVE

THE INTENT OF THESE DRAWINGS IS TO CONCEPTUALLY ILLUSTRATE THE RECONSTRUCTION OF AN EXISTING BULKHEAD LOCATED AT THE PORT OF SIUSLAW CAMPGROUND. THE EXISTING BULKHEAD IS A TIMBER SOLDIER PILE WALL WITH TIMBER LAGGING AND A TIMBER DEADMAN/TIEBACK SYSTEM THAT REMAINS EXISTING GRADE AT THE WATERLINE. EXISTING RETAINED HEIGHTS VARY FROM 4.5 FEET TO 7.5 FEET AND THE LENGTH OF THE WALL IS APPROXIMATELY 870 FEET.

PRESENTLY, THE BULKHEAD SHOWS SIGNS OF DISTRESS INCLUDING LEANING, TIMBER DETEIORATION, AND MISSING TIEBACKS. IT IS THE GOAL OF THE PORT TO REPLACE THE EXISTING WALL USING CURRENT CONSTRUCTION TECHNIQUES AND MATERIALS WITH 30 TO 50 YEAR LIFE SPAN. THESE SCHEMATIC DRAWINGS HAVE BEEN PREPARED TO ILLUSTRATE THE PROPOSED IMPROVEMENTS FOR PLANNING LEVEL PERMITTING AND FUND ACQUISITION PURPOSES. THE DRAWINGS ILLUSTRATE BOTH EXISTING CONDITIONS AND GENERAL REPAIRS AND ALTERATIONS THAT WOULD NEED TO BE ACCOMPLISHED IN CONJUNCTION WITH THE BULKHEAD REPLACEMENT PROJECT.

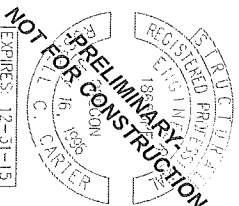


LEGEND:

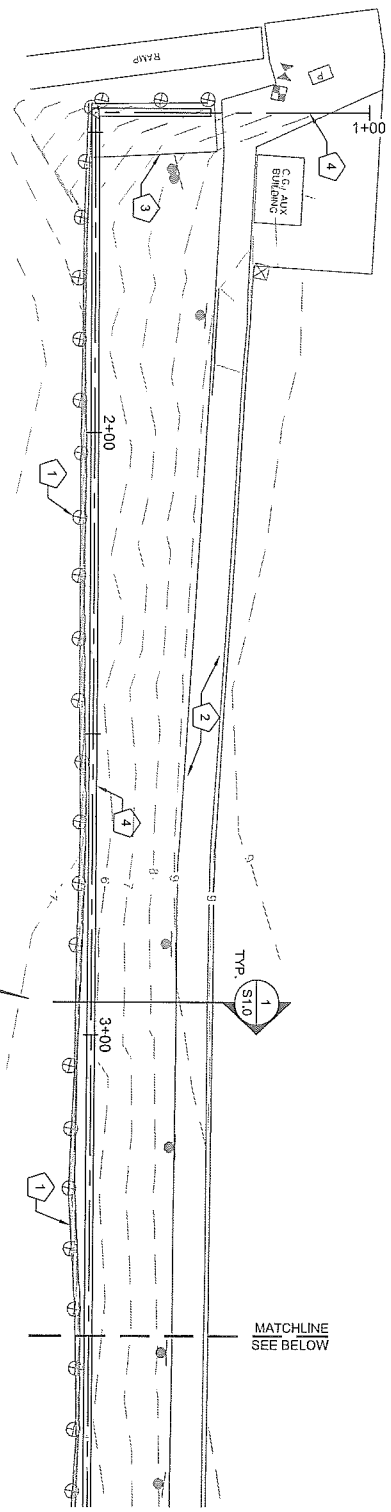
- NEW GRAVEL PAVING
- EXISTING STORM SEWER - PUBLIC
- EXISTING SURFACE CONTOUR
- EXISTING STORMWATER INLET/OUTLET
- EXISTING CATCH BASIN
- EXISTING RV SANITARY CONNECTION
- EXISTING SANITARY VENT
- EXISTING SANITARY CLEANOUT
- EXISTING RV POWER CONNECTION
- EXISTING ELECTRICAL SERVICE BOX
- EXISTING POWER VAULT
- EXISTING WATER METER
- EXISTING CONCRETE VALVE BOX
- EXISTING SIGN (SHAPE VARIES)
- EXISTING PILING
- TREE - EVERGREEN

DRAWING INDEX:

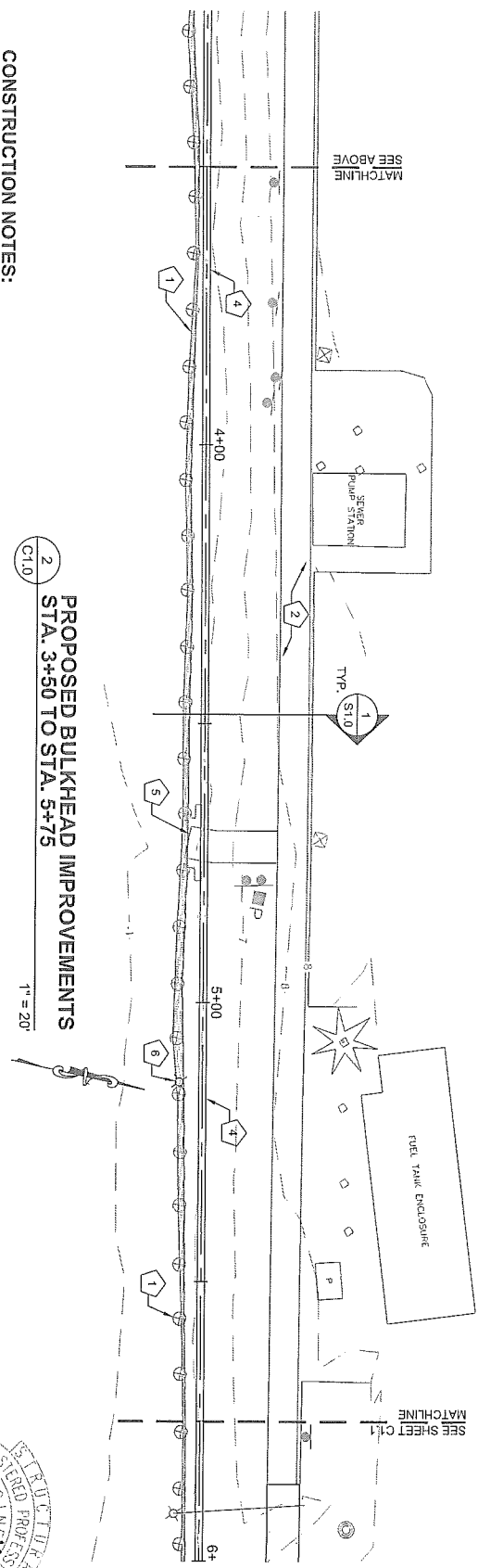
- C0.0 COVER SHEET
- C1.0 PROPOSED BULKHEAD IMPROVEMENTS STA. 1+00 TO STA. 5+75
- C1.1 PROPOSED BULKHEAD IMPROVEMENTS STA. 5+75 TO STA. 10+20
- S1.0 PROPOSED BULKHEAD SECTION @ EXISTING SIDEWALK
- S1.1 PROPOSED BULKHEAD SECTION @ NEW PATH



PORT OF SIUSLAW		 ZBINDEN • CARTER • SOUDERS ENGINEERING 524 Main Street - Suite 02, Oregon City, OR 97145 (503) 558-2255								
BULKHEAD CONCEPTUAL REPLACEMENT PLAN										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROJECT NO. P-1834-4</td> <td style="width: 50%;">DATE 01-15-14</td> </tr> <tr> <td>DRAWN BY ZCS</td> <td>CHECKED BY TCC</td> </tr> </table>	PROJECT NO. P-1834-4	DATE 01-15-14	DRAWN BY ZCS	CHECKED BY TCC	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">COVER SHEET</td> <td style="width: 50%;">DATE 01-15-14</td> </tr> </table>	COVER SHEET	DATE 01-15-14	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">CO.0</td> <td style="width: 50%; text-align: center;">COVER SHEET</td> </tr> </table>	CO.0	COVER SHEET
PROJECT NO. P-1834-4	DATE 01-15-14									
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CO.0	COVER SHEET									



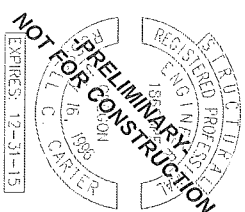
1
C1.0
PROPOSED BULKHEAD IMPROVEMENTS
STA. 1+00 TO STA. 3+50
1" = 20'



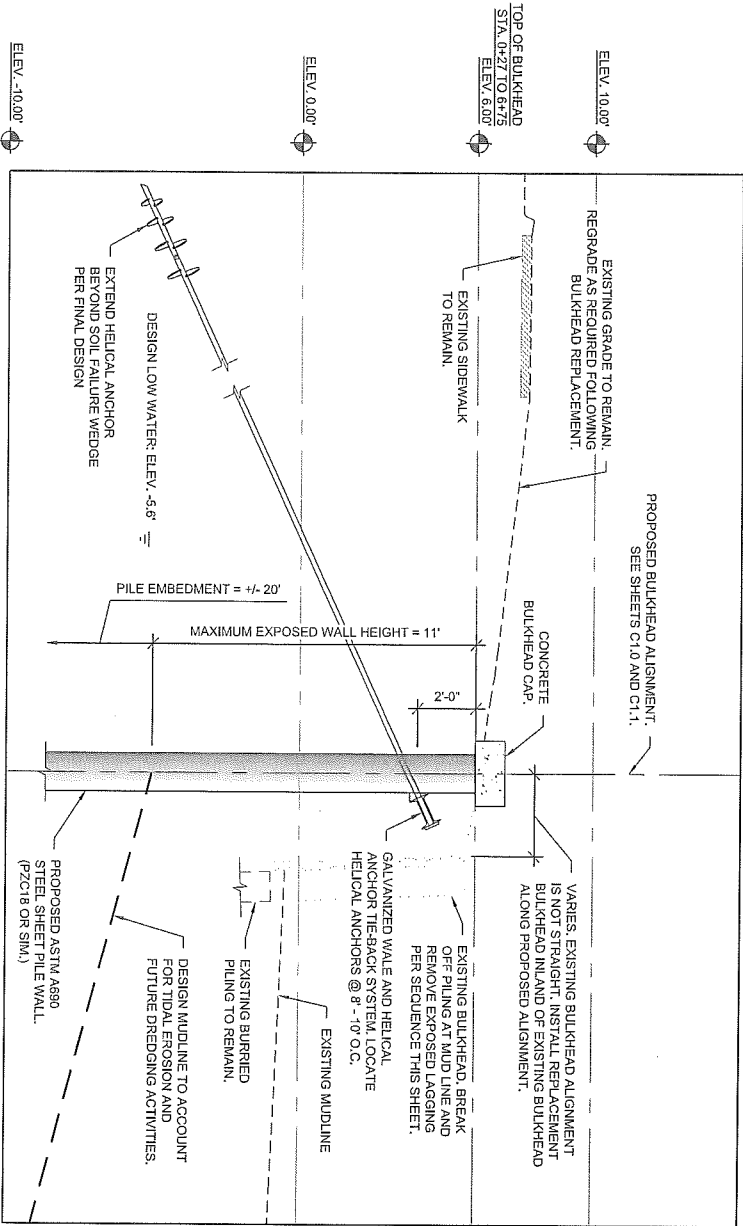
2
C1.0
PROPOSED BULKHEAD IMPROVEMENTS
STA. 3+50 TO STA. 6+75
1" = 20'

- CONSTRUCTION NOTES:**
- 1 EXISTING BULKHEAD TO BE REPLACED. SEE SEQUENCE ON SHEET S1.0.
 - 2 EXISTING SIDEWALK TO REMAIN.
 - 3 EXISTING FISH CLEANING STATION, REMOVE AND REPLACE TO FACILITATE BULKHEAD INSTALLATION. PROTECT UTILITIES.
 - 4 PROPOSED BULKHEAD ALIGNMENT. START OF BULKHEAD @ 0+27. SEE SHEET S1.0 FOR CONSTRUCTION RECOMMENDATIONS.

- 5 EXISTING PILE SUPPORTED DOCK TIE-IN. PROTECT DURING PILE DRIVING OPERATIONS AND TIE-IN WITH NEW BULKHEAD.
- 6 EXISTING STORM TERMINATION. PROTECT OR RELOCATE DURING CONSTRUCTION.



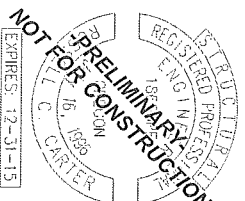
<p>C1.0</p>	<p>PORT OF SIUSLAW BULKHEAD CONCEPTUAL REPLACEMENT PLAN</p>	<p>ZCS ZBINDEN • CARTER • SOUDERS ENGINEERING 524 Main Street - Suite 02, Oregon City, OR 97045 (503) 659-2205 fax (503) 659-2433</p>
<p>PROJECT NO. P-18834 DRAWN JAS CHECKER JAC DATE 01-14-14</p>	<p>PROPOSED BULKHEAD IMPROVEMENTS</p>	<p style="font-size: small;">IF THIS DRAWING DOES NOT MEASURE FINISH IN LENGTH, MEASURE DIMENSIONS TO SCALE</p>



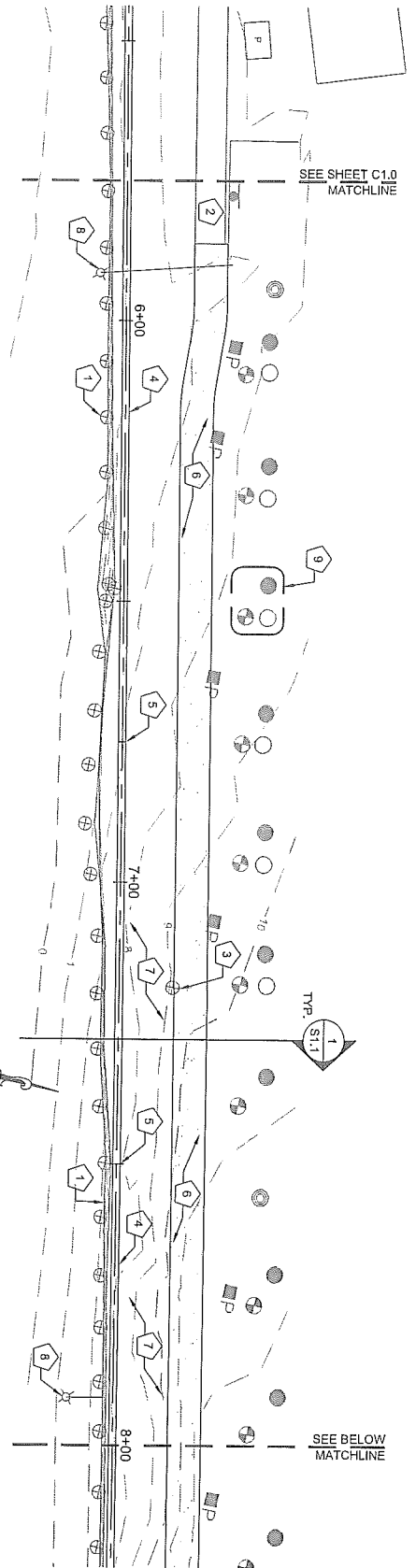
1
S1.0
PROPOSED BULKHEAD IMPROVEMENTS
TYPICAL SECTION STA. 0+27 TO 6+75
1/4" = 1'

PROPOSED BULKHEAD REPLACEMENT SEQUENCE:

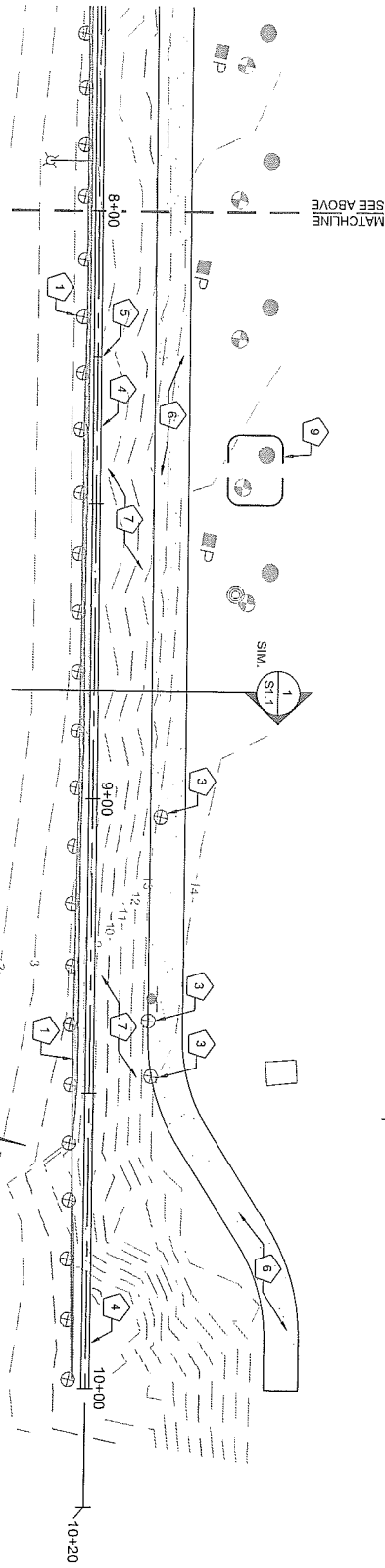
1. LOCATE ALL UNDERGROUND UTILITIES PRIOR TO PILE DRIVING.
2. INSTALL ALL TEMP SAFETY MEASURES.
3. FIELD VERIFY PILING LOCATIONS, ENSURE ADEQUATE SPACE BETWEEN EXISTING WALL AND NEW BULKHEAD.
4. PLACE NEW PILE TO DEPTHS NOTED ON FINAL PLANS.
5. BEGIN EXCAVATION AND LAGGING REMOVAL FROM EXISTING BULKHEAD TO DEPTH OF NEW TIE-BACK.
6. INSTALL NEW HELICAL ANCHOR TIE-BACKS THROUGH FACE OF SHEET PILE WALL PER FINAL PLANS.
7. INSTALL SHEET PILE PATCHES AND WALE PER FINAL PLANS.
8. CONTINUE REMOVAL OF EXISTING BULKHEAD TO EXISTING MIDLINE.
9. BREAK OFF EXISTING TIMBER PILES AT EXISTING MIDLINE.
10. INSTALL CONCRETE BULKHEAD CAP ALONG TOP OF WALL PER FINAL DRAWINGS.
11. REGRADE AND DRESS RETAINED SLOPE PER FINAL DOCUMENTS.



<p>PORT OF SIUSLAW</p> <p>BULKHEAD CONCEPTUAL REPLACEMENT PLAN</p>		<p>ZCS ZBINDEN • CARTER • SOUDERS ENGINEERING INC. 524 Main Street - Suite 02, Oregon City, OR 97045 (503) 659-2205 fax (503) 659-2433</p>
<p>PROJECT NO: P-1689-14</p> <p>DRAWN: ZJS</p> <p>CHECKED: RJC</p> <p>DATE: 01-16-14</p>	<p>PROPOSED BULKHEAD SECTION</p> <p>S1.0</p>	



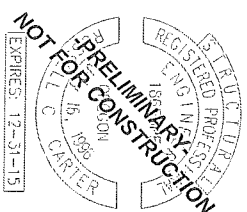
1
C1.1
PROPOSED BULKHEAD IMPROVEMENTS
STA. 5+75 TO STA. 8+00
1" = 20'



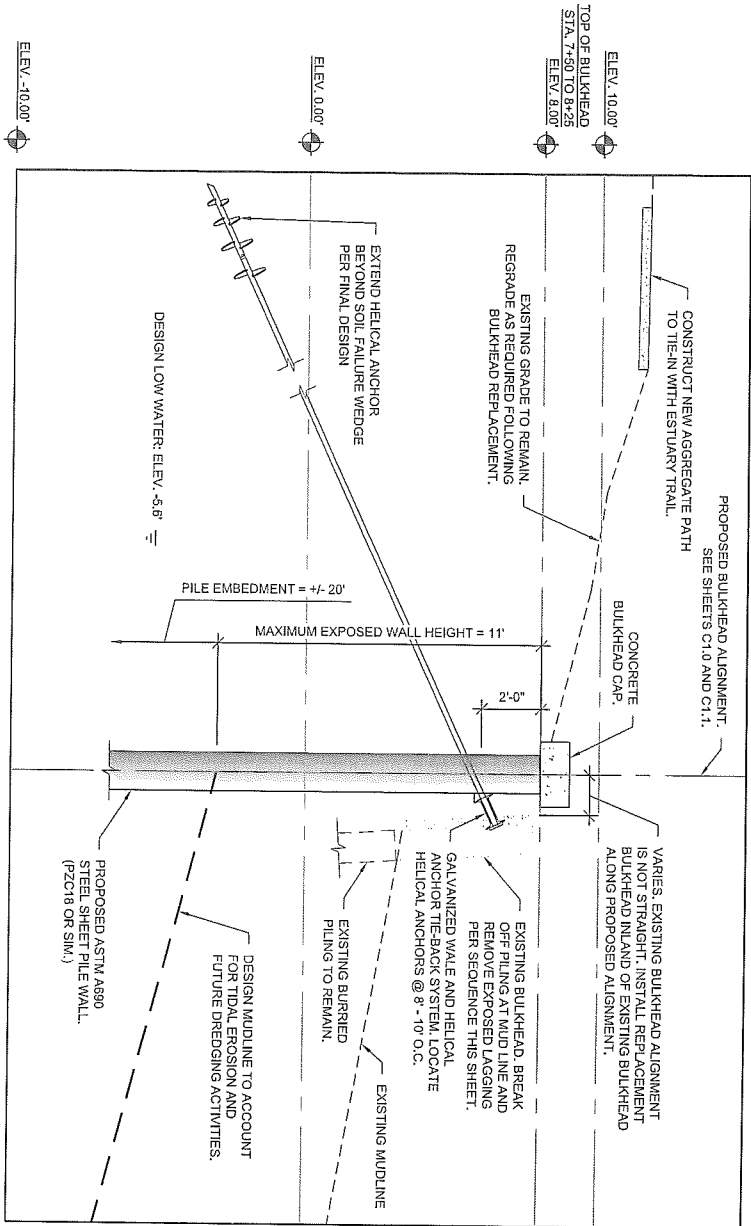
2
C1.1
PROPOSED BULKHEAD IMPROVEMENTS
STA. 8+00 TO STA. 10+20
1" = 20'

- CONSTRUCTION NOTES:**
- 1 EXISTING BULKHEAD TO BE REPLACED. SEE SEQUENCE ON SHEET S1.0.
 - 2 EXISTING SIDEWALK TO REMAIN.
 - 3 EXISTING PILE TO BE REMOVED.
 - 4 PROPOSED BULKHEAD ALIGNMENT. END OF BULKHEAD @ 10+00. SEE SHEET S1.0 FOR CONSTRUCTION RECOMMENDATIONS.

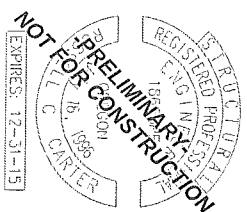
- 5 PROPOSED BULKHEAD STEP LOCATION. STEP BULKHEAD TOP OF WALL 1'-0" AT STA. 6+75, STA. 7+50, AND STA. 8+25.
- 6 PROPOSED GRAVEL TRAIL EXTENSION OF EXISTING SIDEWALK TRAIL WITH ESTUARINE TRAIL. STA. 5+88 TO STA. 10+00.
- 7 REGRADE EXISTING SLOPE TO ACCOMMODATE GRAVEL TRAIL EXTENSION.
- 8 EXISTING STORM TERMINATION. PROTECT OR RELOCATE DURING CONSTRUCTION.
- 9 EXISTING RV CONNECTIONS. TYP. PROTECT DURING CONSTRUCTION. REMOVE AND REPLACE WHERE REQUIRED.



<p>PORT OF SIUSLAW</p> <p>BULKHEAD CONCEPTUAL REPLACEMENT PLAN</p>	<p>ZBINDEN • CARTER • SOUDERS ENGINEERING 524 Male Street - Suite 02, Oregon City, OR 97045 (503) 659-2205 ext. (503) 659-2433</p>				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROJECT NO: P-183-14</td> <td style="width: 50%;">DRAWN: ZCS</td> </tr> <tr> <td>CHECKED: RJC</td> <td>DATE: 01-16-14</td> </tr> </table> <p style="text-align: center;">PROPOSED BULKHEAD IMPROVEMENTS</p> <p style="text-align: center; font-size: 2em;">C1.1</p>	PROJECT NO: P-183-14	DRAWN: ZCS	CHECKED: RJC	DATE: 01-16-14	<p>IF THIS DRAWING DOES NOT MEASURE OR DRAWING IS NOT TO SCALE</p>
PROJECT NO: P-183-14	DRAWN: ZCS				
CHECKED: RJC	DATE: 01-16-14				



1
 TYPICAL SECTION STA. 7+50 TO 8+25
 1/4" = 1'



PORT OF SIUSLAW BULKHEAD CONCEPTUAL REPLACEMENT PLAN		 ZCS ZBINDEN • CARTER • SOUDERS ENGINEERING Inc. 524 Main Street - Suite 02, Oregon City, OR 97045 (503) 659-2205 ext. (503) 659-2433	IF THIS BAR DOES NOT MEASURE DRAWING IS NOT TO SCALE
PROJECT NO: P-188-14-4	DRAWN: ZCS		
CHECKED:	DATE: 01-15-14	PROPOSED BULKHEAD SECTION S1.1	