

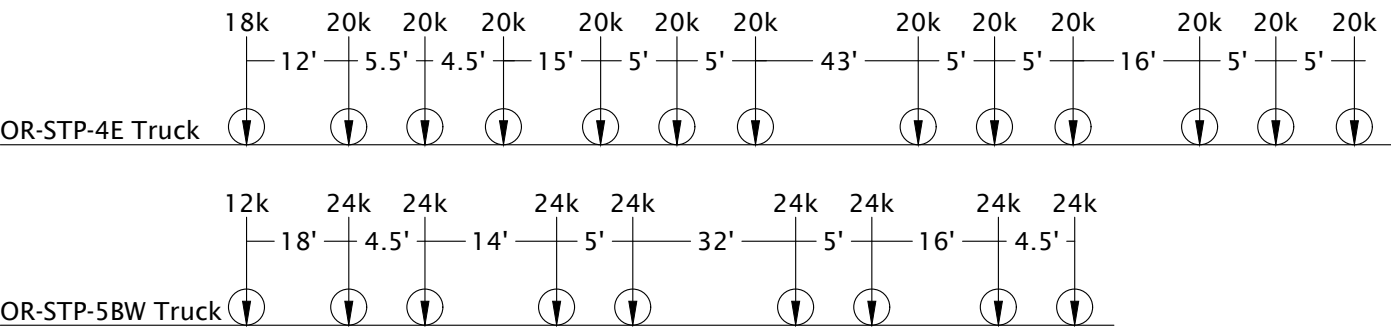
WOOD DUCK CT BRIDGE REPLACEMENT

DETOUR BRIDGE CASCADE CIVIL CORP

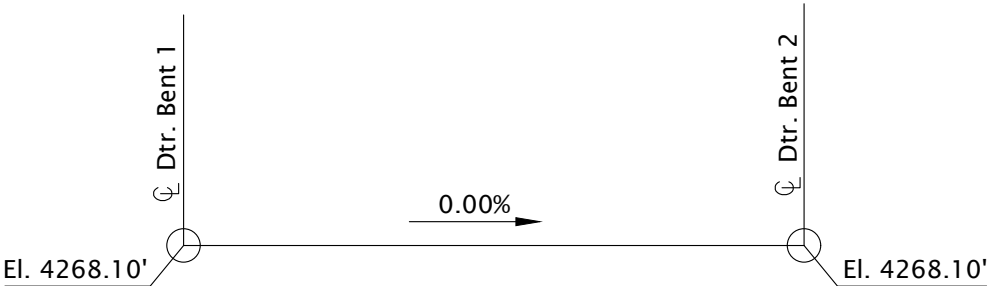
General Notes:

- Detour Bridge Plans are designed in accordance with the ODOT BDDM and AASHTO LRFD Bridge Design Specifications, 9th edition. Bridge is designed for HL-93 loading and the permit vehicles listed below. Bridge will be in service for less than 1 year.
- All methods, material and workmanship shall conform to ODOT Standard Specifications for Highway Construction 2024.
- Verify all existing conditions. Check all dimensions and elevations prior to starting work. Call discrepancies to the attention of the designer and resolve before proceeding with work.
- If the Contractor lacks the appropriate details to safely complete the project, then the Contractor shall contact the designer for additional clarification and/or detailing.
- Structural details have precedence over other design drawings.
- Member sizes shown are minimum required, equivalent or larger member sections may be substituted with written approval from the engineer.
- All structural steel shall meet the following requirements of ASTM unless noted otherwise
 - Steel W & HP Sections shall meet ASTM A572 Gr.50
 - Steel Plates shall meet ASTM A36
- Welding shall be performed by certified welders according to provisions of AWS D1.5 using E70XX electrodes. All welds not called out shall be fillet welds $\frac{1}{16}$ " less than the thinnest member being welded.
- Bolts shall be in accordance with ASTM F3125 Grade A325. Nuts shall be in accordance with ASTM A563 or ASTM A194. Flat washers shall be in accordance with ASTM F436 and plate washers shall be in accordance with ASTM A36.
- Wood members shall be DF#2.
- Elevations shown in these plans use NAVD-88 datum.

Permit Vehicles:



INDEX OF SHEETS	
SHEET NUMBER	SHEET TITLE
1	Title, General Notes, Index
2	Detour Alignment
3	Plan & Elevation
4	Foundation Plan
5	Framing Plan
6	Deck Section & Details
7	Bent Details

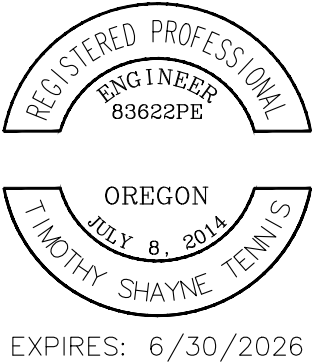


Detour Bridge Grade
NTS

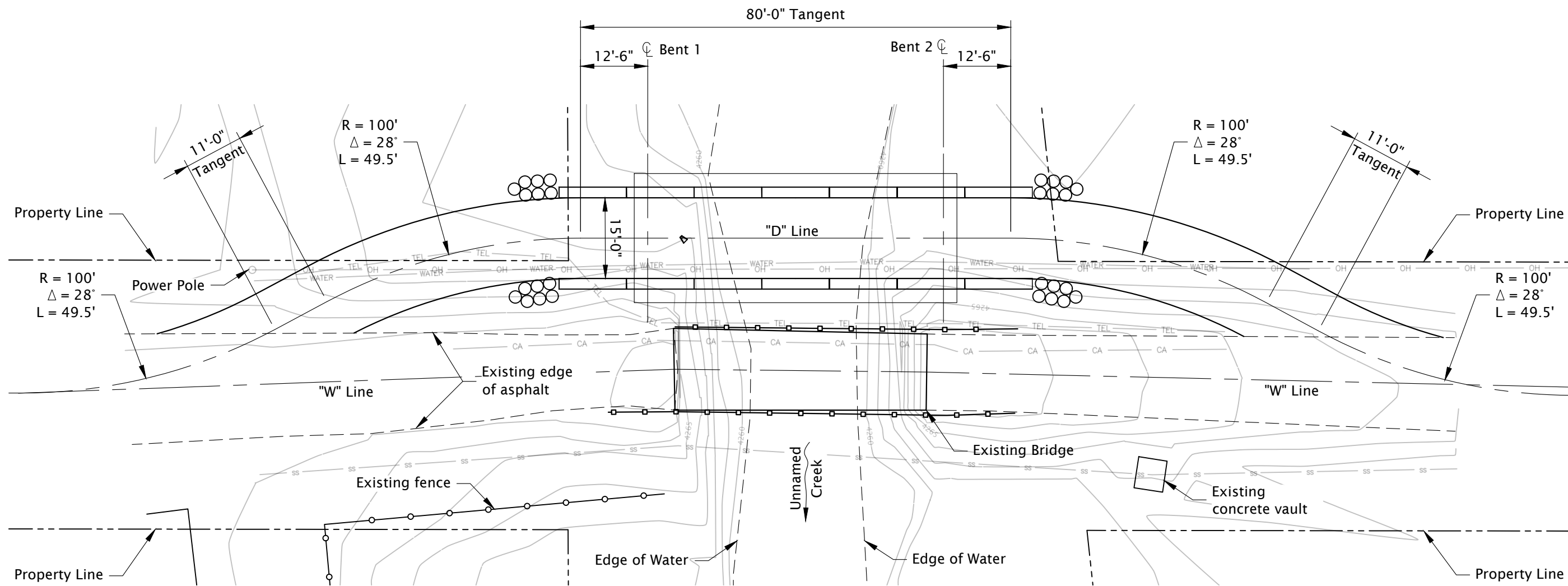
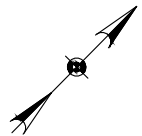
CONTRACT NUMBER
CCC-00006
ORIGINAL DATE
11/1/2024
REVISION NUMBER

REVISION DATE

REVISION BY
S. TENNIS
Measures 1" On Original



CASCADE CIVIL CORP	
TENNENG TENNIS ENGINEERING COMPANY 62799 Eagle Rd, Bend, OR 97701 Phone: 541-740-6669	
WOOD DUCK CT BRIDGE REPLACEMENT	
DETOUR BRIDGE	
DESIGNER S. TENNIS	DRAFTER S. TENNIS
TITLE, GENERAL NOTES, INDEX	SHEET NO. 1 of 7



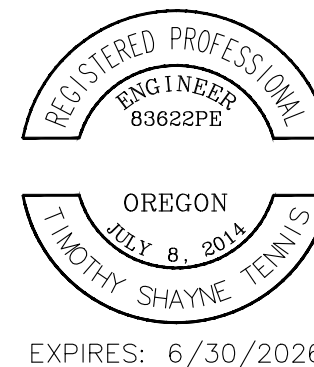
Detour Alignment

Scale: 1" = 20'

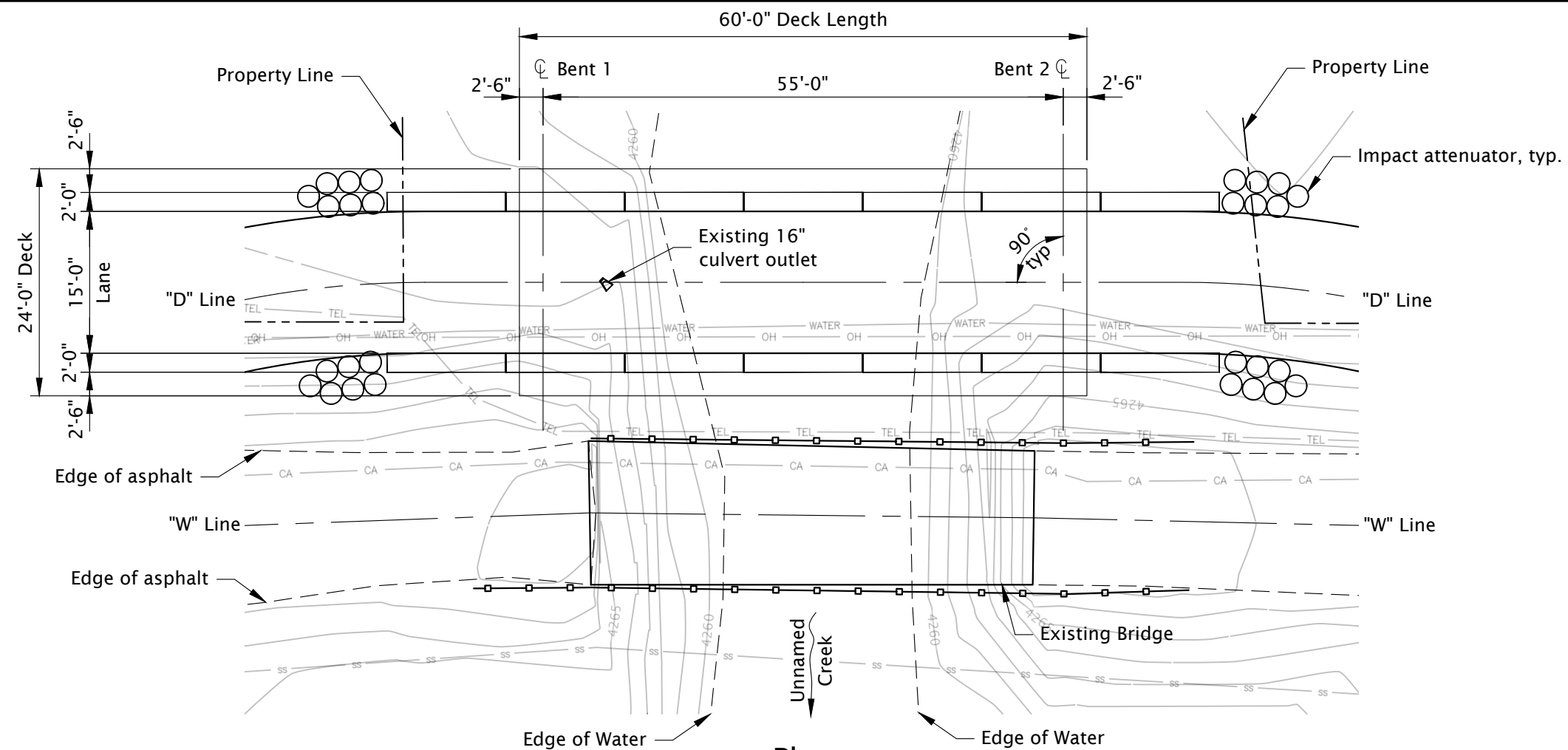
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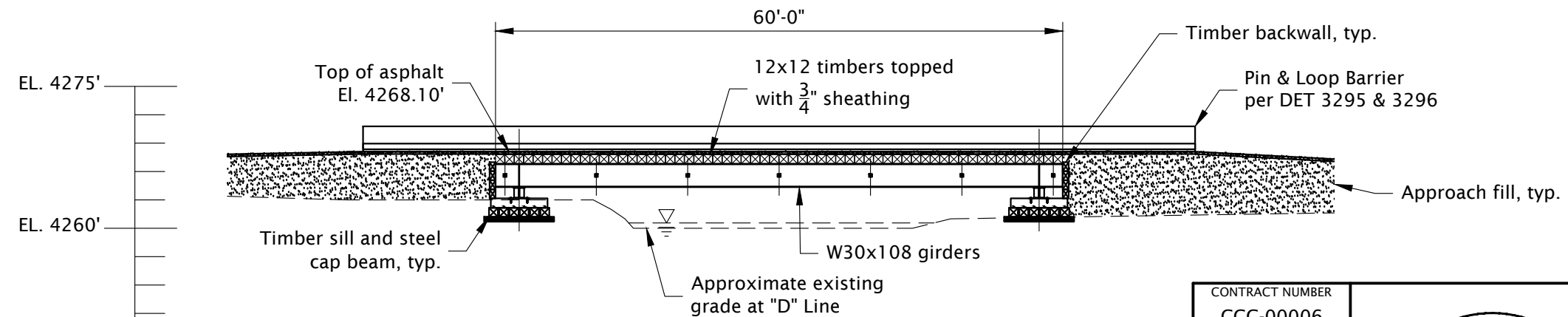
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WOOD DUCK CT BRIDGE REPLACEMENT	
DETOUR BRIDGE	
DESIGNER S. TENNIS	DRAFTER S. TENNIS
DETOUR ALIGNMENT	SHEET NO. 2 of 7



Plan
Scale: 1" = 15'

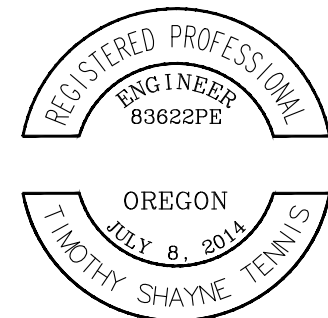


Elevation
Scale: 1" = 15'

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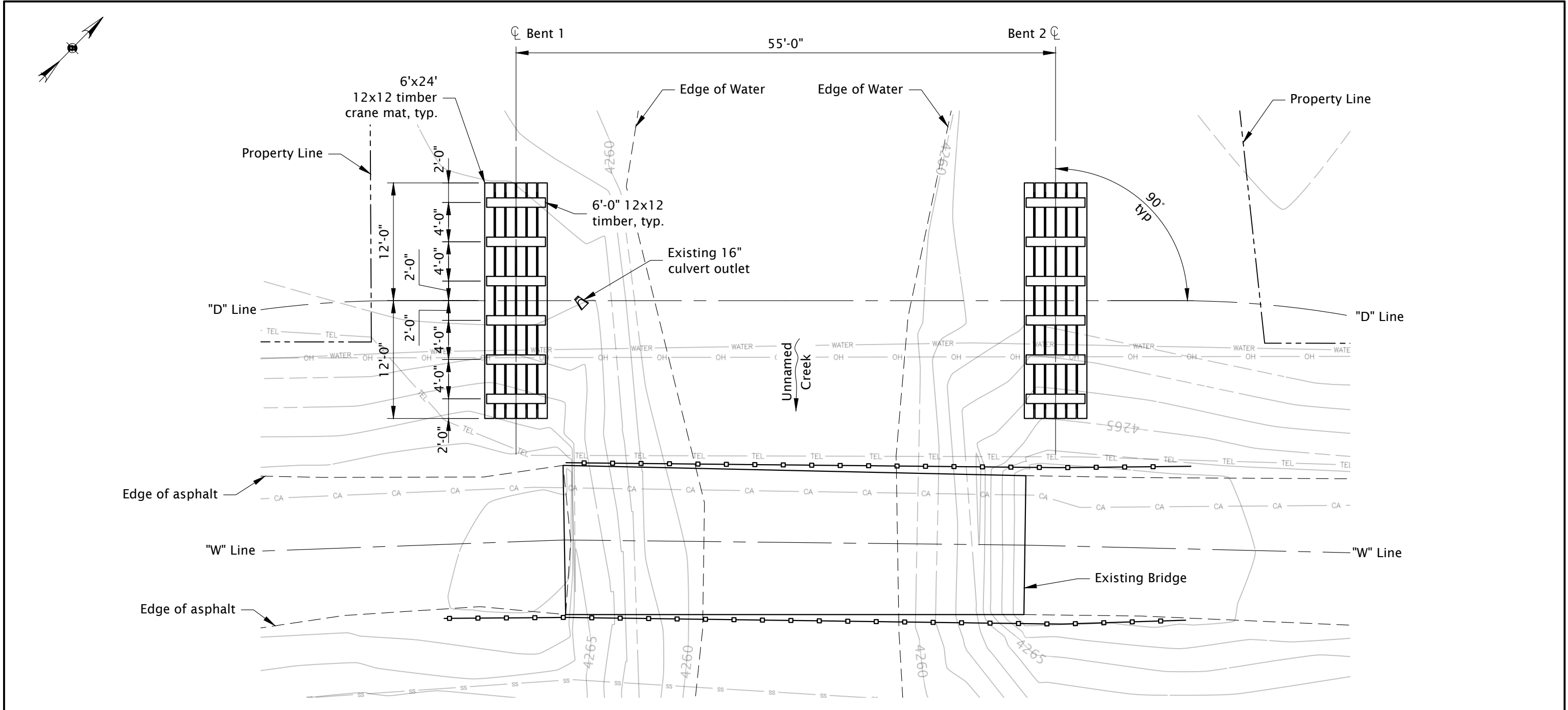
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WOOD DUCK CT BRIDGE REPLACEMENT	
DETOUR BRIDGE	
DESIGNER S. TENNIS	DRAFTER S. TENNIS
PLAN & ELEVATION	
SHEET NO. 3 of 7	



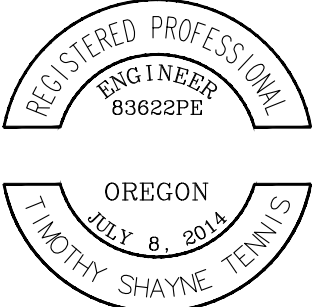
Foundation Plan

Scale: 1" = 10'

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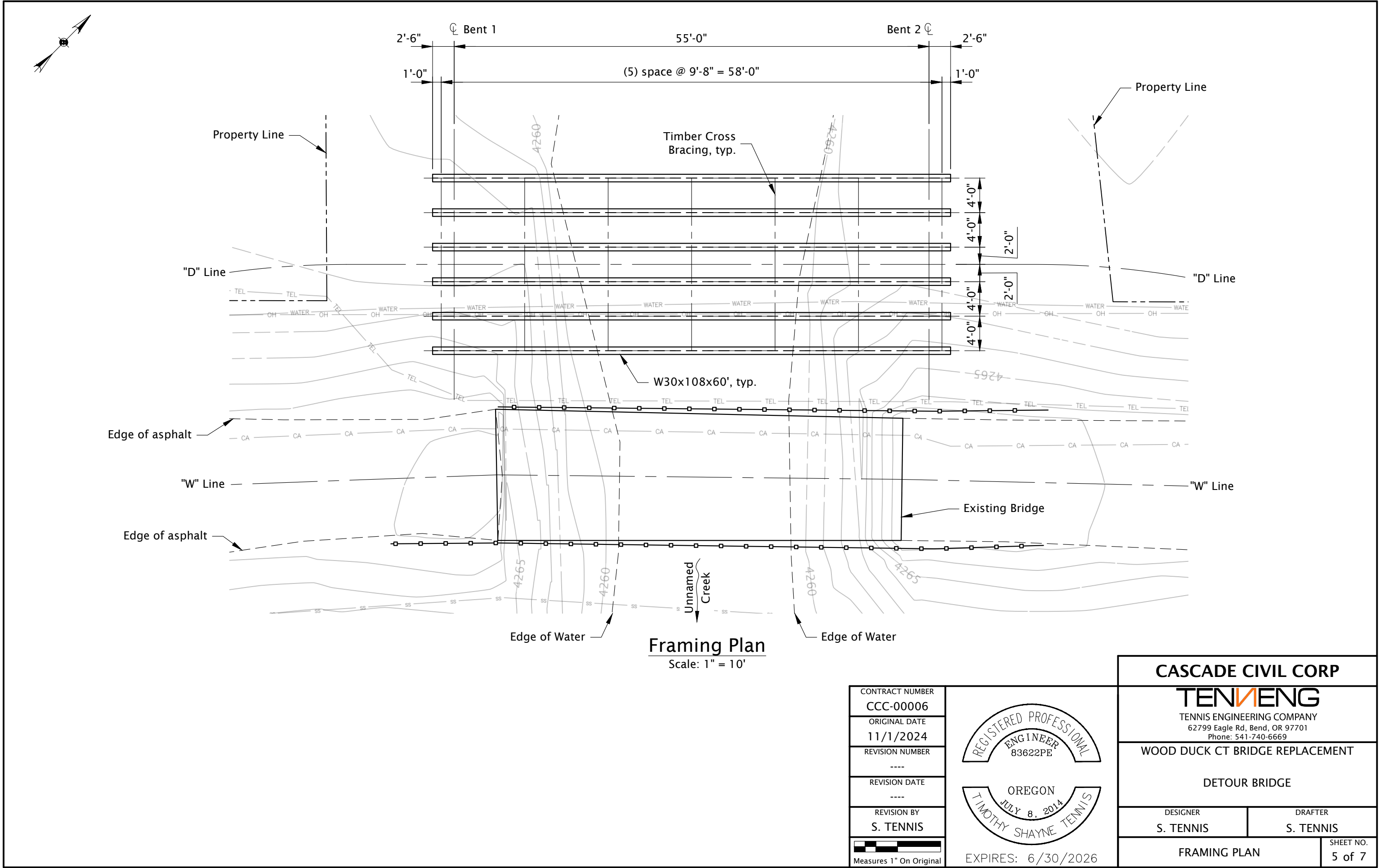
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WOOD DUCK CT BRIDGE REPLACEMENT	
DETOUR BRIDGE	
DESIGNER S. TENNIS	DRAFTER S. TENNIS
FOUNDATION PLAN	SHEET NO. 4 of 7



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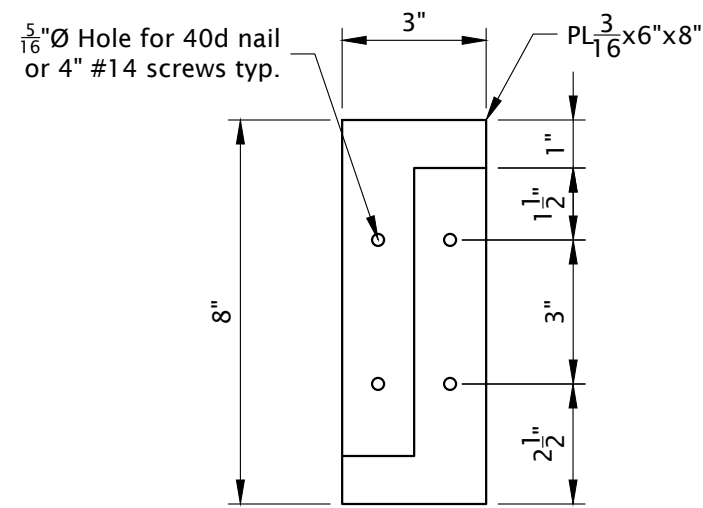
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REGISTERED PROFESSIONAL
ENGINEER
83622PE

OREGON
JULY 8, 2014
TIMOTHY SHAYNE TENNIS

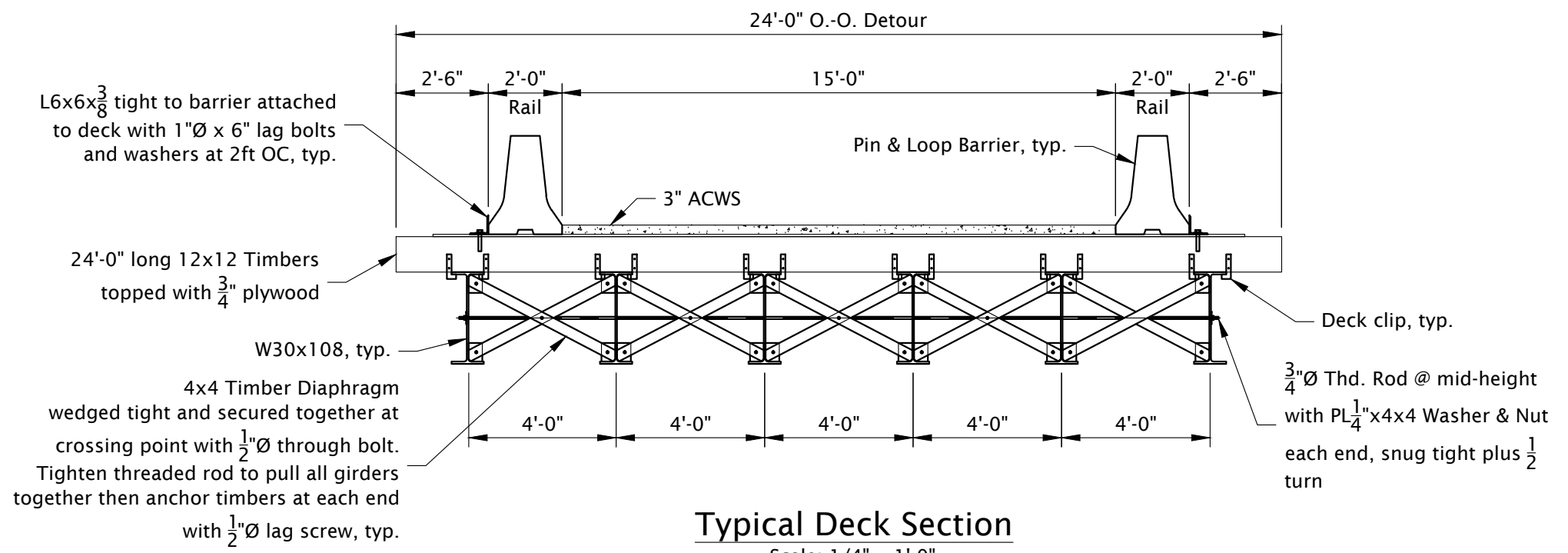
EXPIRES: 6/30/2026

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WOOD DUCK CT BRIDGE REPLACEMENT	
DETOUR BRIDGE	
DESIGNER S. TENNIS	DRAFTER S. TENNIS
FRAMING PLAN	SHEET NO. 5 of 7

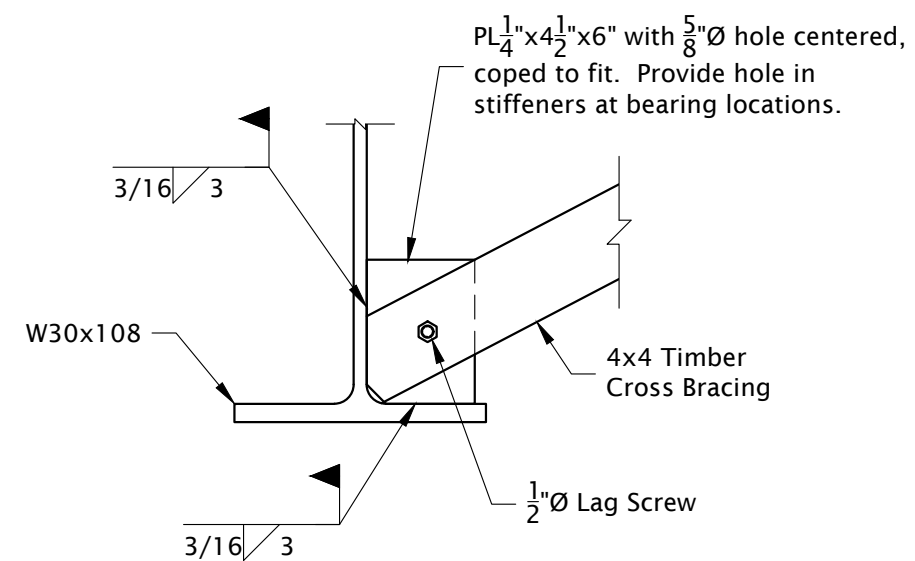


Install (1) deck clip on each girder at every fourth timber. Alternate side of flange every row of clips.

Deck Clip Detail
Scale: 3" = 1'-0"



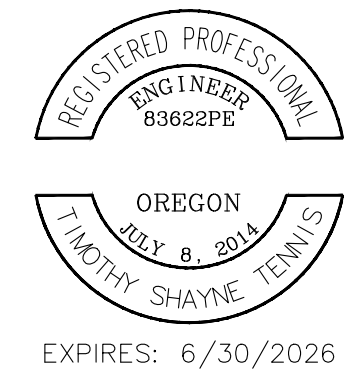
Typical Deck Section
Scale: 1/4" = 1'-0"



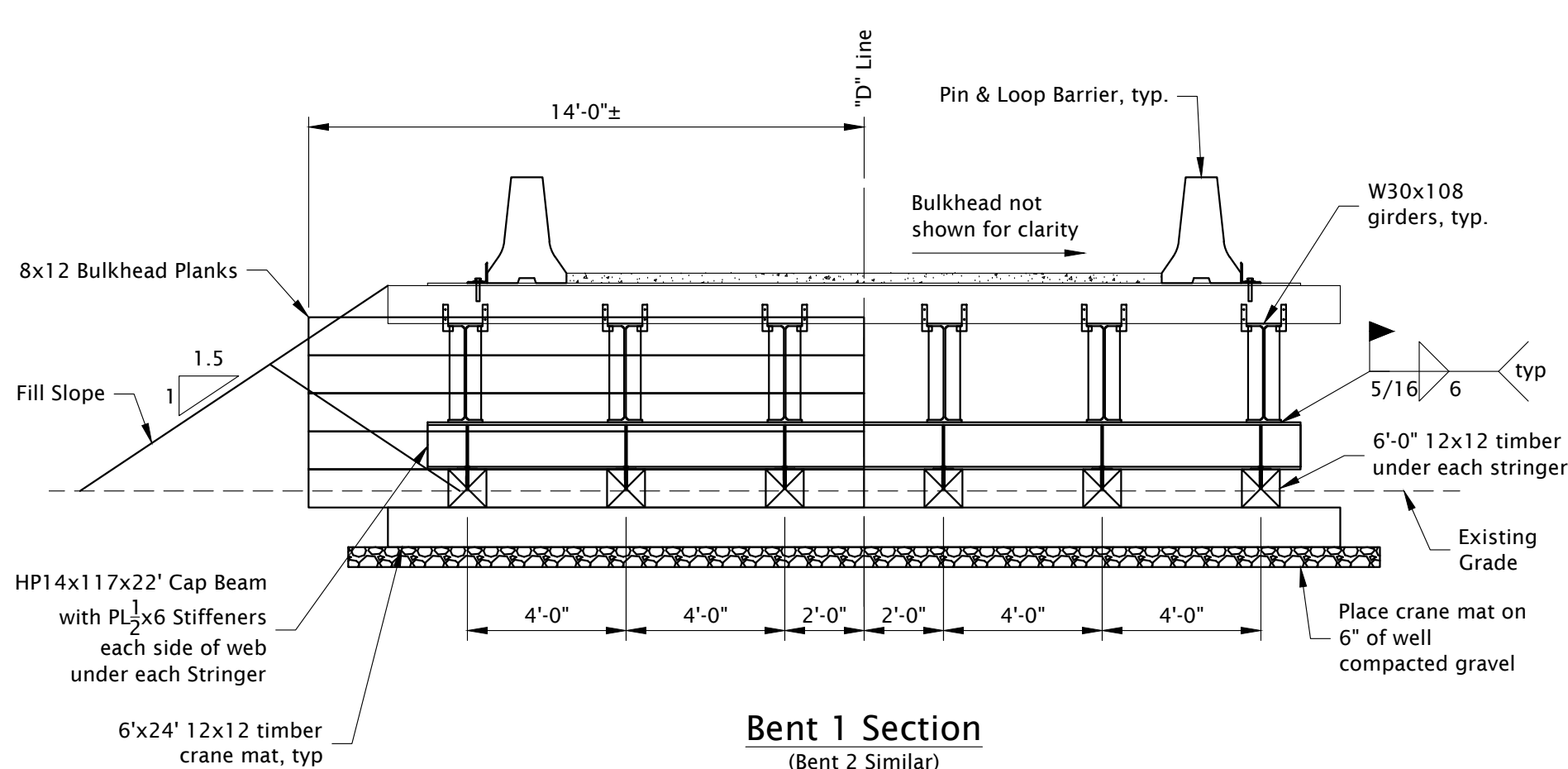
Cross Bracing Connection Detail
Scale: 1-1/2" = 1'-0"

NOTES:
Nail plywood to timbers with nails at 12" OC along edges and in the field.

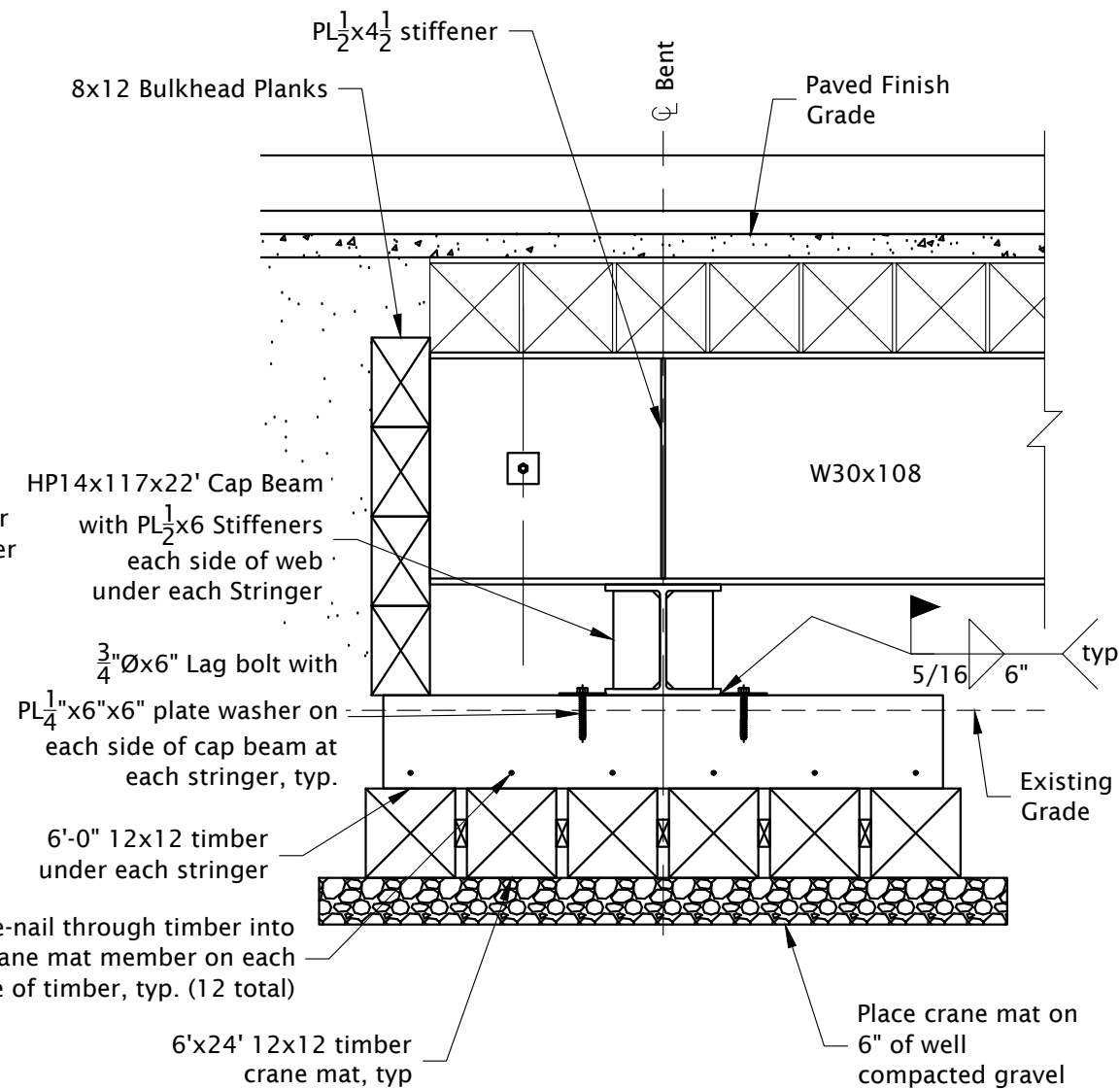
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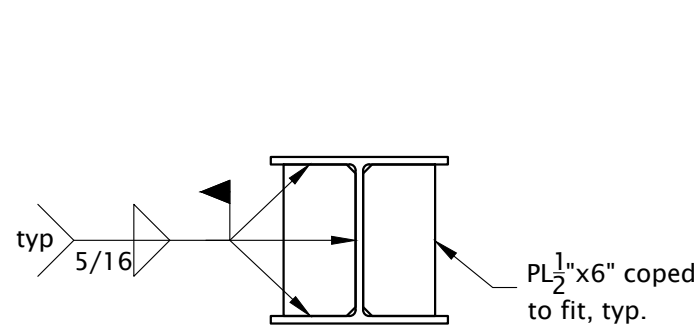
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WOOD DUCK CT BRIDGE REPLACEMENT	
DETOUR BRIDGE	
DESIGNER S. TENNIS	DRAFTER S. TENNIS
DECK SECTION & DETAILS	SHEET NO. 6 of 7



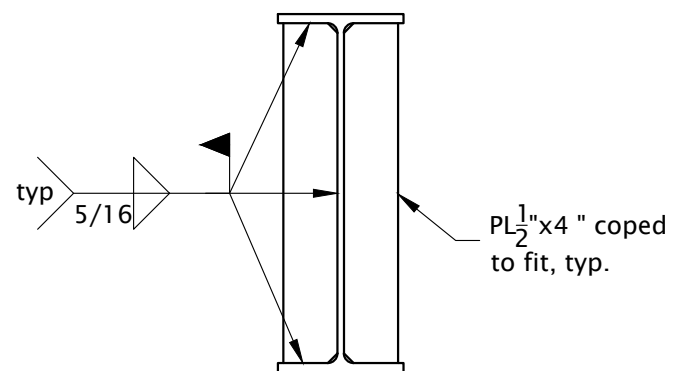
Bent 1 Section
(Bent 2 Similar)
Scale: 1/4" = 1'-0"



Bent 1 Elevation
(Bent 2 Similar)
Scale: 1/2" = 1'-0"



HP14x117 Stiffener Detail
Scale: 3/4" = 1'-0"

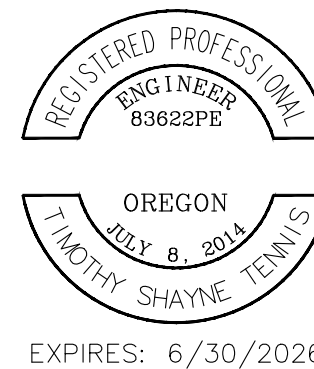


W30x108 Stiffener Detail
Scale: 3/4" = 1'-0"

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DETOUR BRIDGE	
DESIGNER	DRAFTER
S. TENNIS	S. TENNIS
BENT DETAILS	SHEET NO. 7 of 7