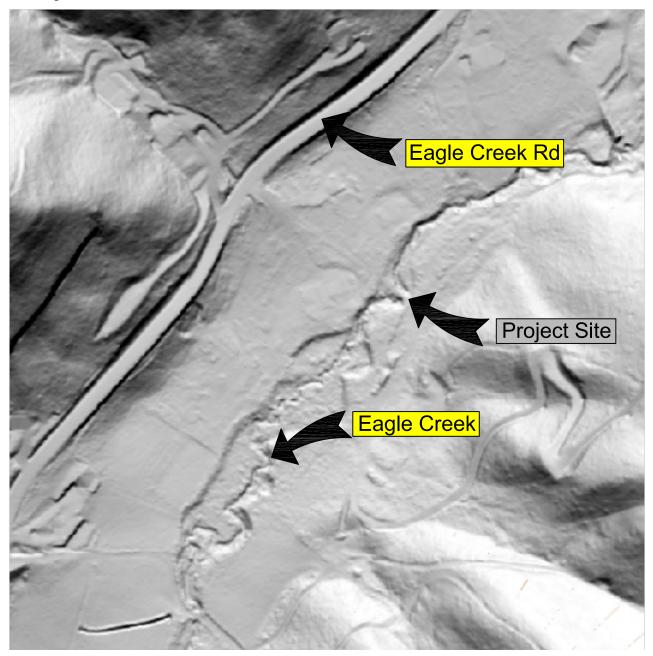
## **Contract Documents**

# **McCrate Culvert Replacement Project**

Project Number 22-1226



## **DRAWING INDEX:**

- 1. Cover Sheet
- 2. Legend and Notes
- 3. Site Plan Scale 1 to 50
- 4. Site Plan Scale 1 to 20
- 5. Construction Plan
- 6. Site Plan Proposed
- 7. Road Profiles
- 8. Stream Profiles
- 9. Precast Footing and Stemwall
- 10. Details
- 11. Details





## McCrate - Eagle Creek

Landowner: See Sheet 3 (4 Landowners) Sec Twnshp Range: Section 29, T25N, R18E Lat and Long: 47° 38' 0.3"N, 120° 37' 42.8"W

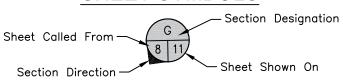


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Waterfall Engineering	
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**Cover Sheet** 

#### SHEET SYMBOLS



**SECTION CALLOUT** 

References to Right and Left as viewed downstream

Chelan County.

PT

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Survey by Mountain2Coast Survey with LiDAR Contours Added

State Plane North, Vertical NAVD88. This is not a Boundary Survey. Boundary Calculated per Short Plat No. 3544, AFN 2034278 and Short Plat No. 711, AFN 819736, Records of

Elev.

1345.64

1326.83

1325.40

1326.55

1328.77

1327.87

1331.28

1332.23

1332.84

1329.11

1327.39

Desc.

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Outside of Survey by Waterfall Engineering. Coordinates

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231163.50 1690875.44

230891.19 1690939.34

231053.50 1690998.90

231165.23 | 1691024.46 |

231236.97 | 1691033.40 |

231199.74 | 1691106.87 |

231289.60 | 1691177.15 |

231344.85 1691046.74

231256.12 | 1690933.96 |

231206.61 1690814.57

### **ABBREVIATIONS**

USIE Upstream Culvert Invert Elev.

DSIE Downstream Culvert Invert Elev.

#### LEGEND

BM1

Project Bench Mark

ATP-01 **₽** 

Geotech Boring Locations

Design Elevation

Structures or Buildings Centerline

---- Property Lines

----- Easement Lines

——2550— Contour Elevation

---- Denotes Survey/LiDAR Transition

Denotes Excavation Extent/Clearing Limits/Staging Areas

<del>× ×</del> Fish Screen <del>× ×</del> Silt Fence



Sandbag Cofferdam



ีกั Water Spigot or Line



Concrete



Existing Fill Used as Backfill



Existing Gravel Road



Crushed Rock Fill



Rock or Gravel Fill



Undisturbed Grade



Existing Trees > 12" Diam.



Trees to be Removed

Text Denotes Existing



Mabitat Boulders

Text Denotes Proposed

Text Denotes Proposed

## McCrate - Eagle Creek

See Sheet 3 (4 Landowners) Section 29, T25N, R18E 47° 38' 0.3"N, 120° 37' 42.8"W

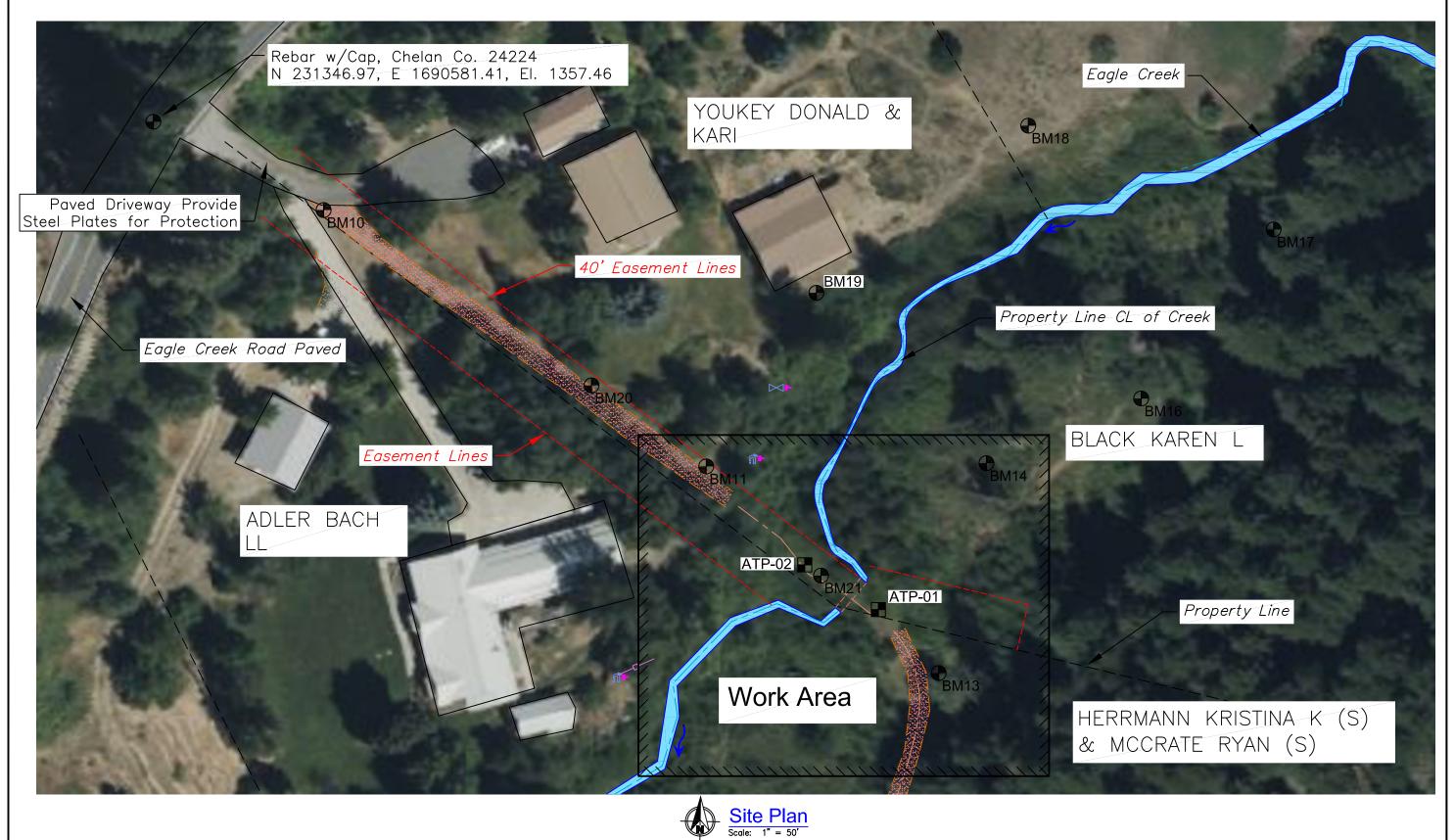
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Legend and Notes







Landowner: See Sheet 3

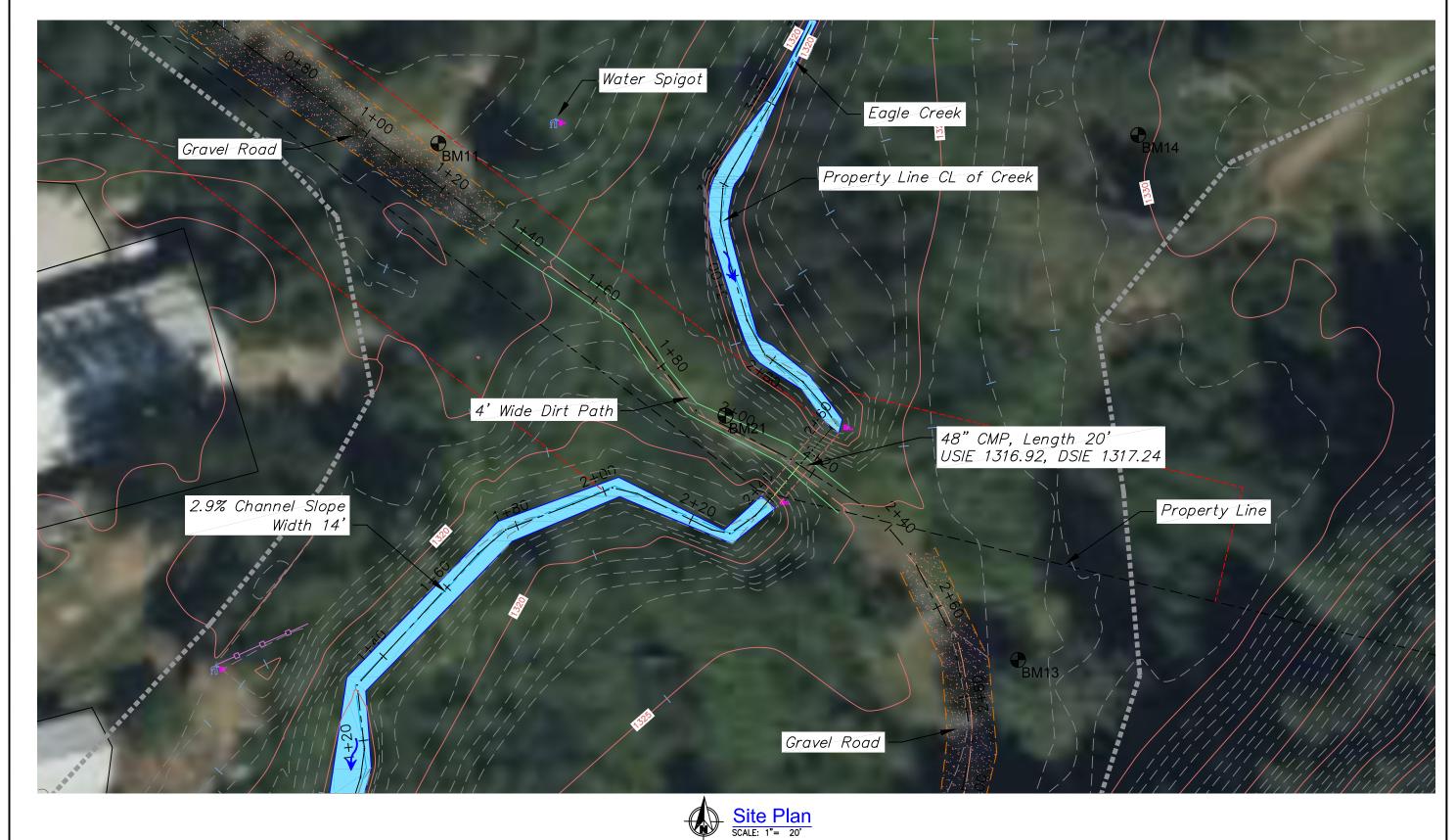
Sec Twnshp Range: <u>Section 30, T25N, R18W</u>
Lat and Long: <u>47° 37' 47.26"N, 120° 37' 55.74"W</u>



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Site Plan with Aerial





Sec Twnshp Range: <u>Section 29, T25N, R18E</u> Lat and Long: <u>47° 38' 0.3"N, 120° 37' 42.8"W</u>

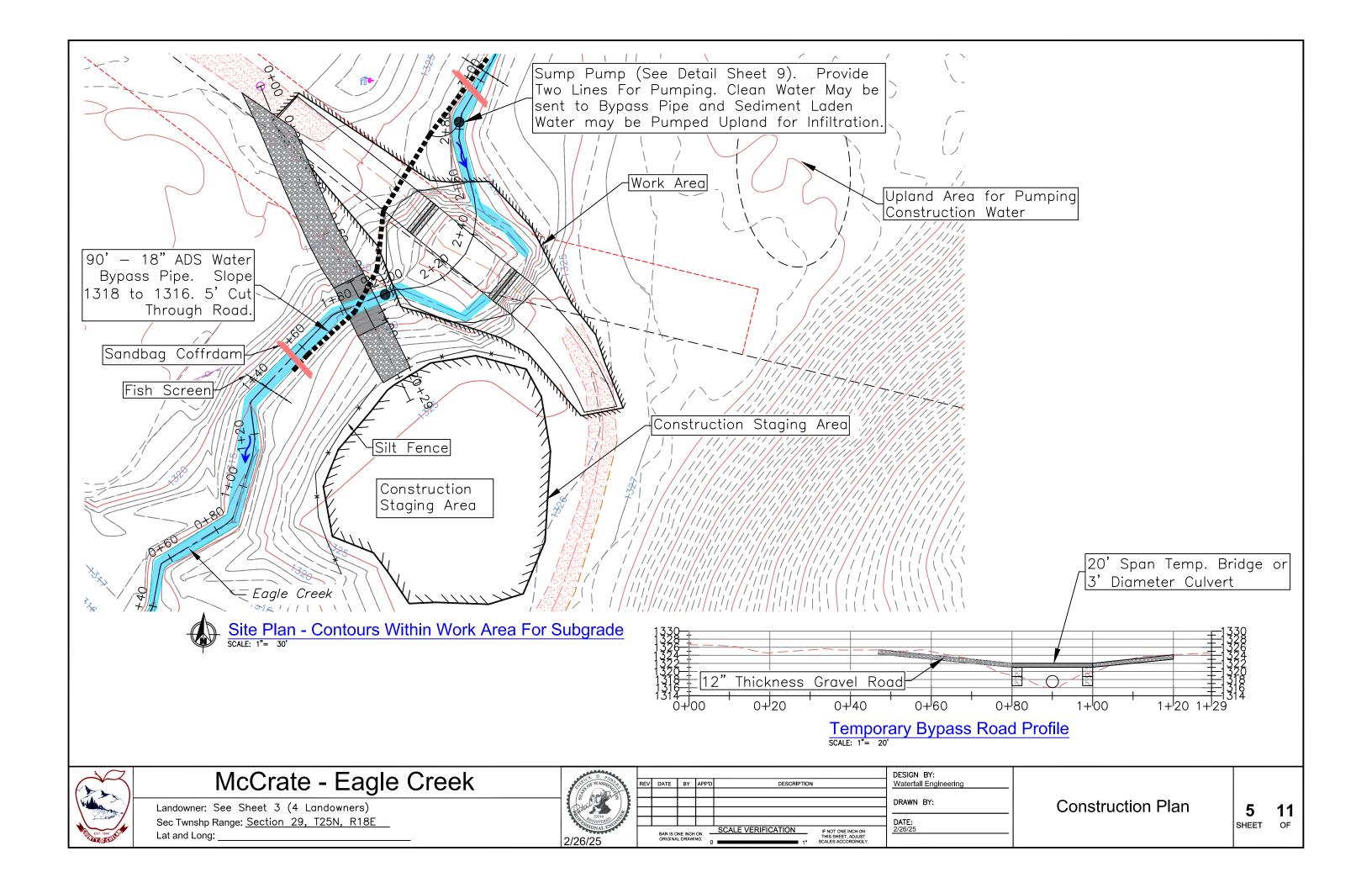


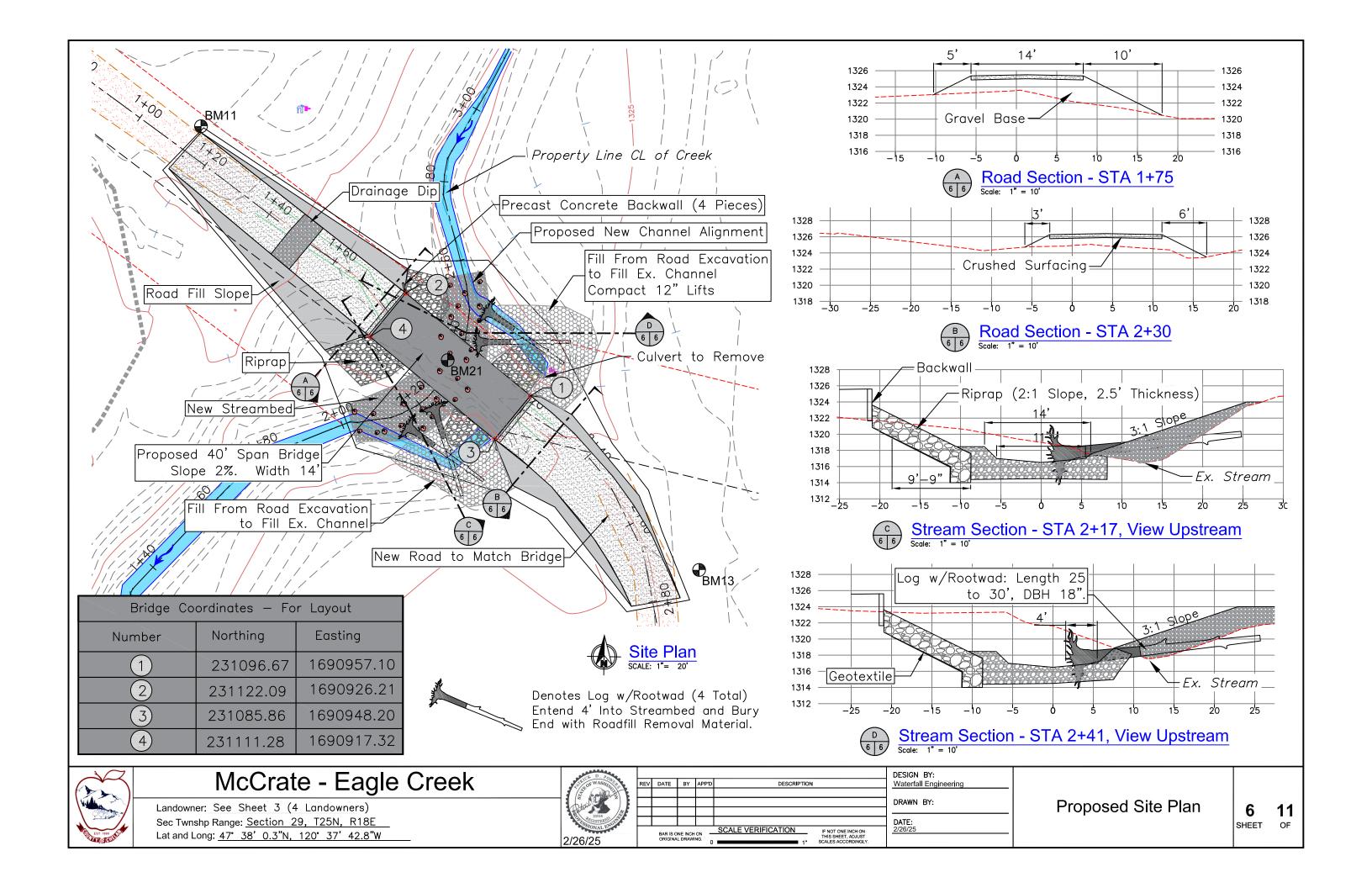
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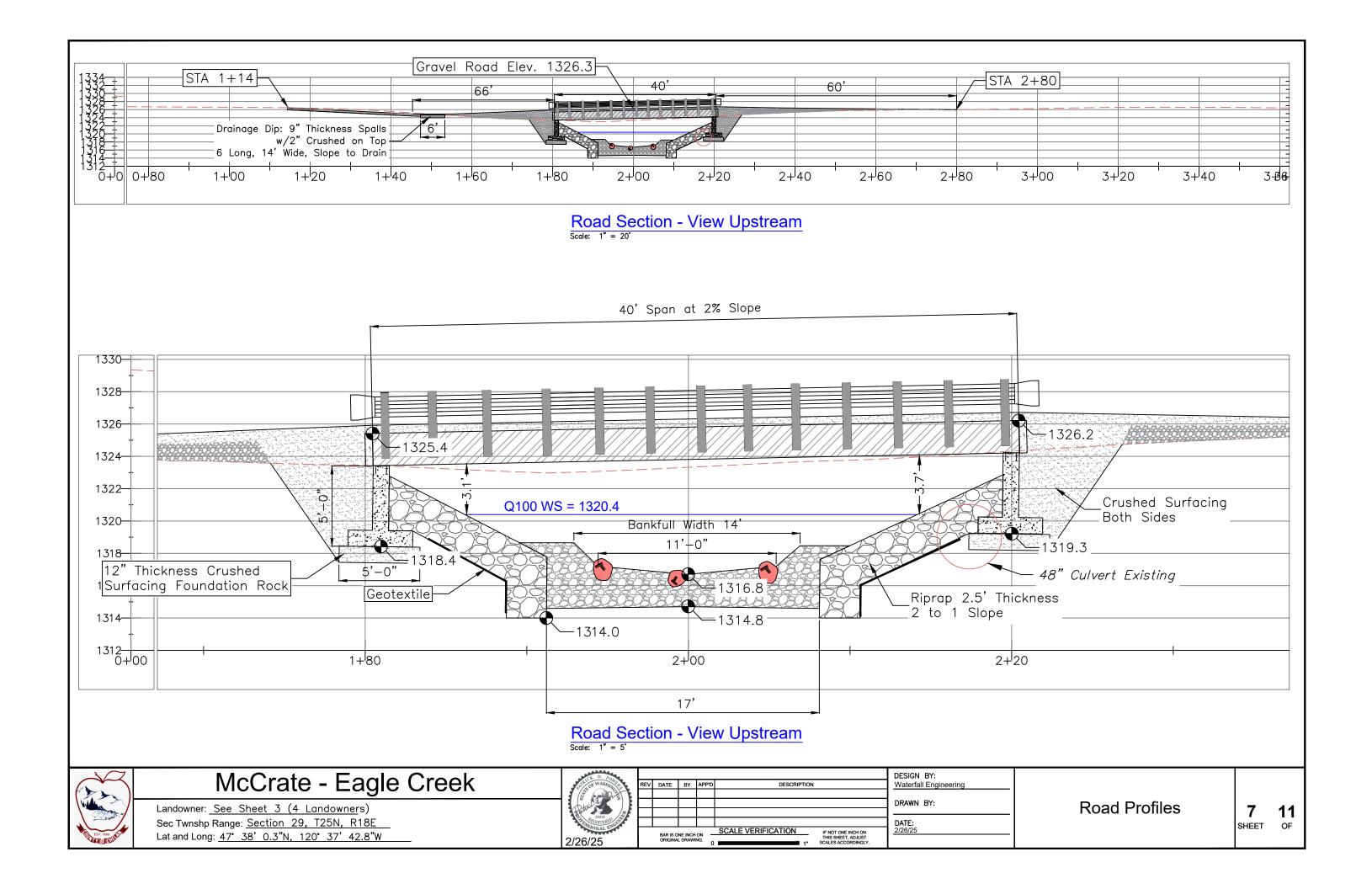
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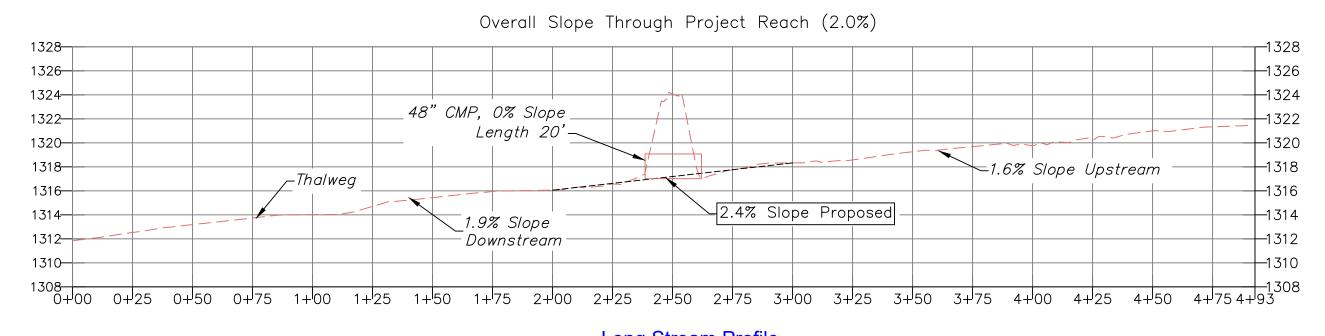
**Existing Site** 

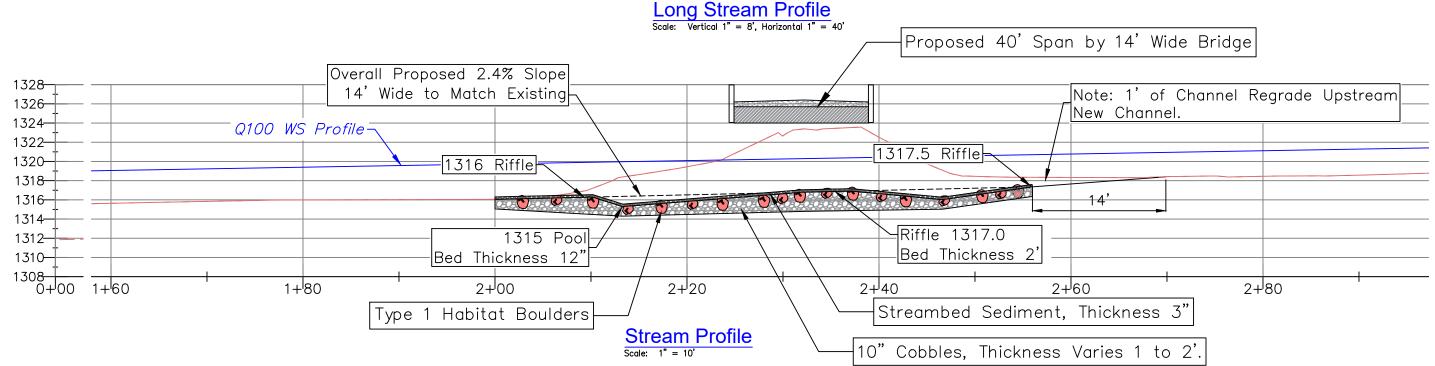
11 SHEET OF











Streambed Material: Approx Specification see WSDOT Standard Specs

Streambed Sediment: 15 yards - 100% < 2.5", 85% < 2", 50% < 1" 30% <  $\frac{1}{2}$ " 20% fines 10" Cobbles: 53 yards - 100% < 10", 80% < 8", 50% < 4", 10% < Rounded Gravel Material Type 1 Habitat Boulders: 30 Each - 12 to 18" Rounded to Sub-Angular



## McCrate - Eagle Creek

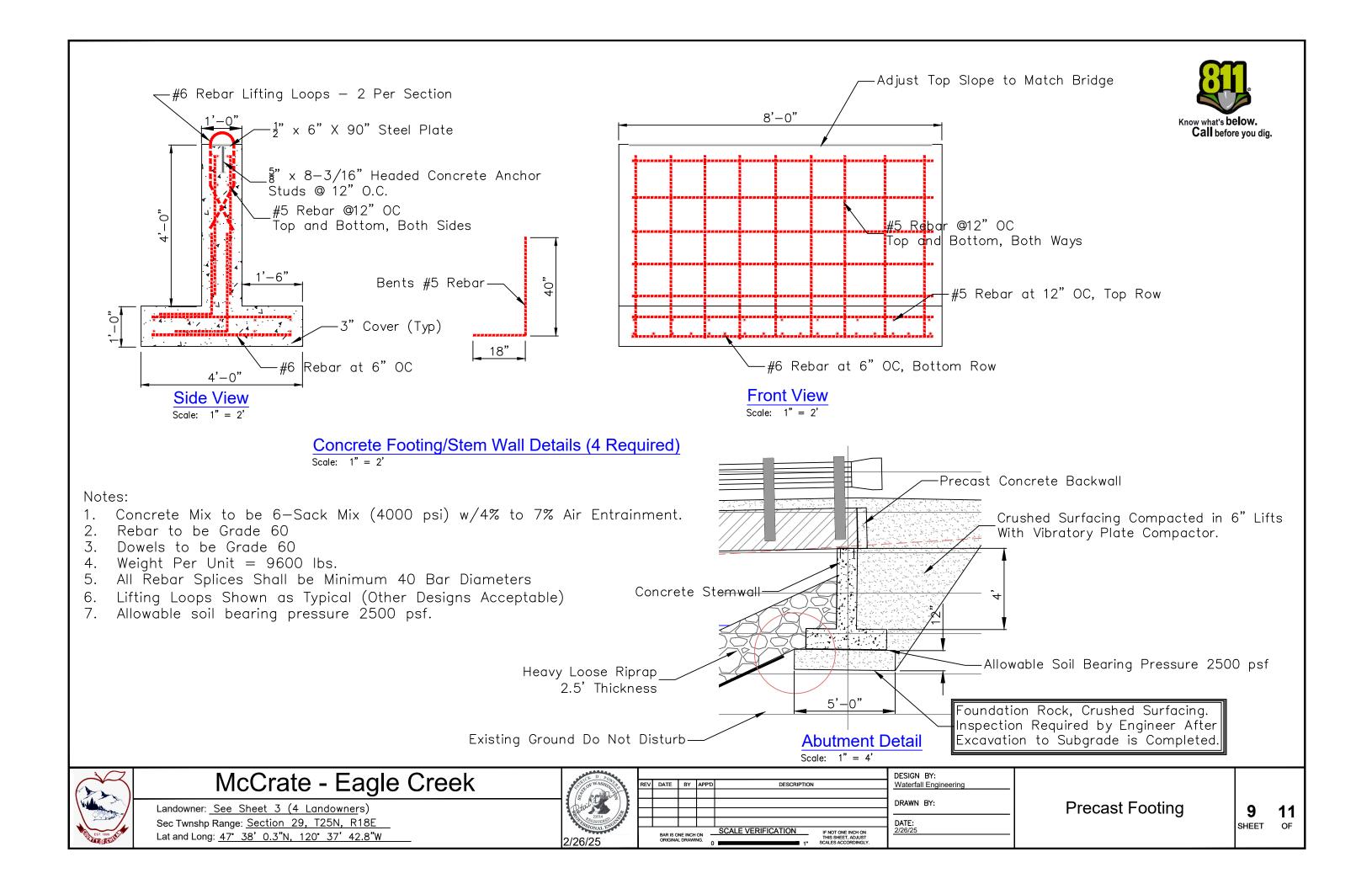
Landowner: <u>See Sheet 3 (4 Landowners)</u>
Sec Twnshp Range: <u>Section 29, T25N, R18E</u>
Lat and Long: 47° 38' 0.3"N, 120° 37' 42.8"W

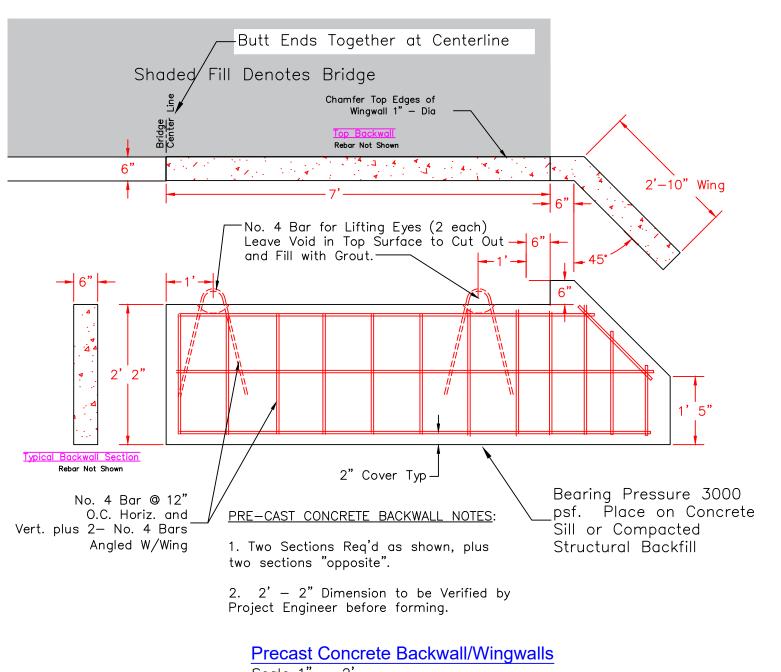


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DATE: 2/26/25	

Stream Profiles





Scale 1" = 2

#### Concrete:

- 1. Reinforced Concrete, Air Entrainred Class A(AE) with a 28 day Compressive Strength of 4500 psi.
- 2. Reinforcing Steel: Conform to AASHTO M31 Grade 60. Two Inch Cover.
- 3. Light Broom Finish on Surface

## Bridge Specifications:

Span 40'

Width 14'

TL1 Guard Rail

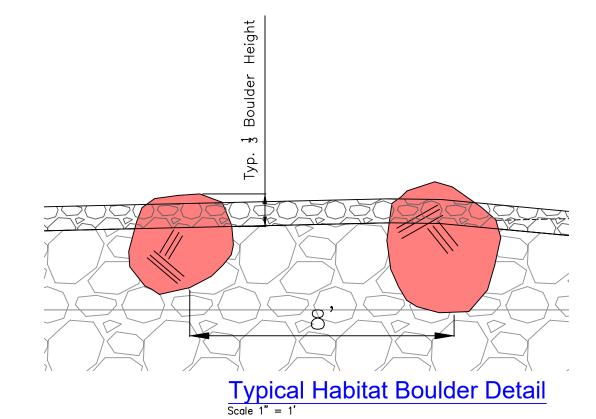
Slope 2%

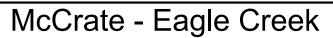
Vehicle Live Load: HL93

Gravel Surface (6" Minimum Thickness)

Materials: Structural Steel (Weathering) Bearing Plates to Match Footing Design

and Bridge Slope





Landowner: See Sheet 3 (4 Landowners) Sec Twnshp Range: Section 29, T25N, R18E Lat and Long: 47° 38' 0.3"N, 120° 37' 42.8"W



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Details

