

April 9, 2026

CHELAN COUNTY NATURAL RESOURCE DEPARTMENT  
SAND CREEK CULVERT REPLACEMENT PROJECT



**ADDENDUM NO. 1**

To the Contractors, Subcontractors, Planholders and Suppliers:

The following items contain additions, deletions, or modifications to the Plans and/or Specifications. This Addendum forms as a part of the Contract Documents. All updated contract Documents can be found at <https://www.co.chelan.wa.us/natural-resources/pages/current-bidding-opportunities>.

Bidders must acknowledge receipt of this Addendum on the Bid Proposal Declaration within the Bid Package.

**A. SPECIAL PROVISIONS**

**A.1 SECTION 2-04 TEMPORARY FEATURES**

**A.1.1 2-04.3 Construction Requirements**

*The first, third and fourth paragraphs are deleted and the following is added to the beginning of this section:* All traffic control for the duration of the project will be the responsibility of the Contractor to manage. The Contractor shall develop a Traffic Control Plan (TCP) which meets the requirements of this section and obtain any required authorization from the jurisdictional authority of the road system at least 30 working days before the start of work. The Contractor shall implement a temporary road closure to prevent traffic from entering or going through the project area while culvert construction is occurring. The Contractor shall identify the materials necessary and timing of this road closure within their Traffic Control Plan (TCP) which will be reviewed by the Contracting Agency, Chelan County Public Works and USFS. The duration of this road closure shall be as short as possible to safely complete the contracted work. Access to the neighboring private properties shall remain uninhibited during construction. The Contractor shall update their Traffic Control Plan as necessary.

**A.1.2 2-04.4 Measurement**

*This section is revised to read:* “No unit of measurement shall apply to the Lump Sum bid item, ”Temporary Traffic Control.”

**A.1.3 2-04.4 Payment**

*This section is revised to read:* The lump sum Contract price for “Temporary Traffic Control” shall be full pay to perform the Work as described in this Section.

**A.2 SECTION 3-03 ROADWAY EXCAVATION**

**A.2.1 3-03.1 Description**

*Remove any mention of excavation of existing roadway. This is measured and paid under section 3-07. Work in this section is for the creation of the new roadway.*

**A.3 SECTION 3-07 STRUCTURE EXCAVATION**

**A.3.1 3-07.1 Description**

*The first item listed is revised to read: ...all excavation for removal of the existing culvert;...*

**A.3.2 3-07.5 Payment**

*The second paragraph is revised to read: Payment for “Structure Excavation Class A Incl. Haul” will be made by cubic yard pursuant with the Standard Specifications. Backfilling with native material is incidental to this work.*

**A.4 SECTION 6-20 BURIED STRUCTURES**

**A.4.1 6-20.1 Description**

*The following sentence is added to the end of this section: The new culvert structure and all associated headwalls, wingwalls, stemwalls and footings need to fit entirely within the Chelan County Right-of-way. The shop drawings provided by the Contractor must clearly indicate that this requirement has been met prior to approval.*

**A.4.2 6-20.3(2)A B Plans, Specifications and Calculations**

*The following sentence is added to the end of this section: The culvert structure for this project shall be a multiplate arch with headwalls and wingwalls, as specified on the Plans and must fit entirely within the Chelan County ROW.*

**A.5 SECTION 8-01 EROSION CONTROL AND WATER POLLUTION CONTROL**

**A.5.1 8-01.4 Measurement**

*This section is revised to read: “High Visibility Silt Fencing” Shall be measured per linear foot installed. All other costs associated with compliance of this section are either incidental to the Contract or measured and paid under other bid items.*

**A.5.2 8-01.5 Payment**

*This section is revised to read: Payment for “High Visibility Silt Fencing” shall be made per linear foot installed at the direction of the Contracting Agency, and includes all labor, materials and equipment necessary to do so. All other costs associated with compliance of this section are either incidental to the Contract or measured and paid under other bid items.*

**A.6 SECTION 8-02 ROADSIDE RESTORATION**

**A.6.1 8-02.1 Description**

*The second sentence in this section is revised to read: .... Seed and mulch shall be procured by the Contractor.*

**A.6.2 8-02.2 Materials**

*The following information is added to this section:*

The final quantity of seed and mulch procured will be determined by the Contractor based on the final disturbed area outside of the roadway. The Contracting agency estimates roughly ¼ to ½ of an acre of seeded and strawed area necessary based on

staging areas shown on the final plans at time of bid. This area is provided as a starting estimate only.

Seed 9-14.3

Mulch and Amendments 9-14.6

| SEED MIX                           |                      |              |
|------------------------------------|----------------------|--------------|
| SPECIES                            | COMMON NAME          | LBS PLS/ACRE |
| Achillea millefolium               | Western Yarrow       | 0.5          |
| Agropyron spicatum                 | Bluebunch Wheatgrass | 10           |
| Bromus carinatus                   | Mountain Brome       | 1            |
| Elymus glaucus                     | Wild Rye             | 1            |
| Festuca idahoensis                 | Idaho Fescue         | 5            |
| Linum lewisii                      | Prairie Flax         | 0.25         |
| Lomatium dissectum                 | Desert Parsley       | 1            |
| Lomatium nudicaule                 | Barestem Biscuitroot | 1            |
| Lupinus sericeus                   | Silky Lupine         | 0.25         |
| Triticum aestivum x secale cereale | Sterile Triticale    | 5            |
| Poa secunda                        | Sandberg Bluegrass   | 10           |

**A.6.3 8-02.3(11) Mulch**

*This section is revised to read:* Certified weed-free straw mulch shall be applied following application of seed at the rate of 2000-lbs per acre in areas above OHWM. Weed-free wood chip mulch shall be applied to areas below OHWM.

**A.7 SECTION 8-15 RIP RAP**

**A.7.1 SECTION 8-15.4 Measurement**

*This section is revised to read:* Riprap” will be measured per cubic yard delivered and installed to the dimensions shown on the plans.

**A.8 SECTION 8-30 WATER CROSSINGS**

**A.8.1 8-30.4 Measurement**

“Streambed Cobbles” is revised to read “Streambed Cobbles-10”

**A.8.2 8-30.5 Payment**

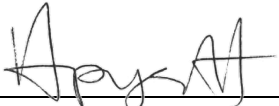
“Streambed Cobbles” is revised to read “Streambed Cobbles-10”

**B. CONTRACT DRAWINGS**

The contract drawings have been updated to include Type 3 Object Markers as shown on Sheet 6. They are attached as an appendix to this addendum and are available for download at:

[https://www.co.chelan.wa.us/files/natural-resources/documents/Construction\\_Contracting/V3\\_SandCreek\\_FinalPlans\\_040826.pdf](https://www.co.chelan.wa.us/files/natural-resources/documents/Construction_Contracting/V3_SandCreek_FinalPlans_040826.pdf)

END OF ADDENDUM NO. 1

X   
Hannah Pygott, Sr. Natural Resource Specialist  
Chelan County Natural Resources Department

ENCLOSED:  
APPENDIX A: REVISED CONTRACT  
DRAWINGS

**APPENDIX A: REVISED CONTRACT DRAWINGS**

Sand Creek Culvert Replacement  
Project

Addendum NO. 1

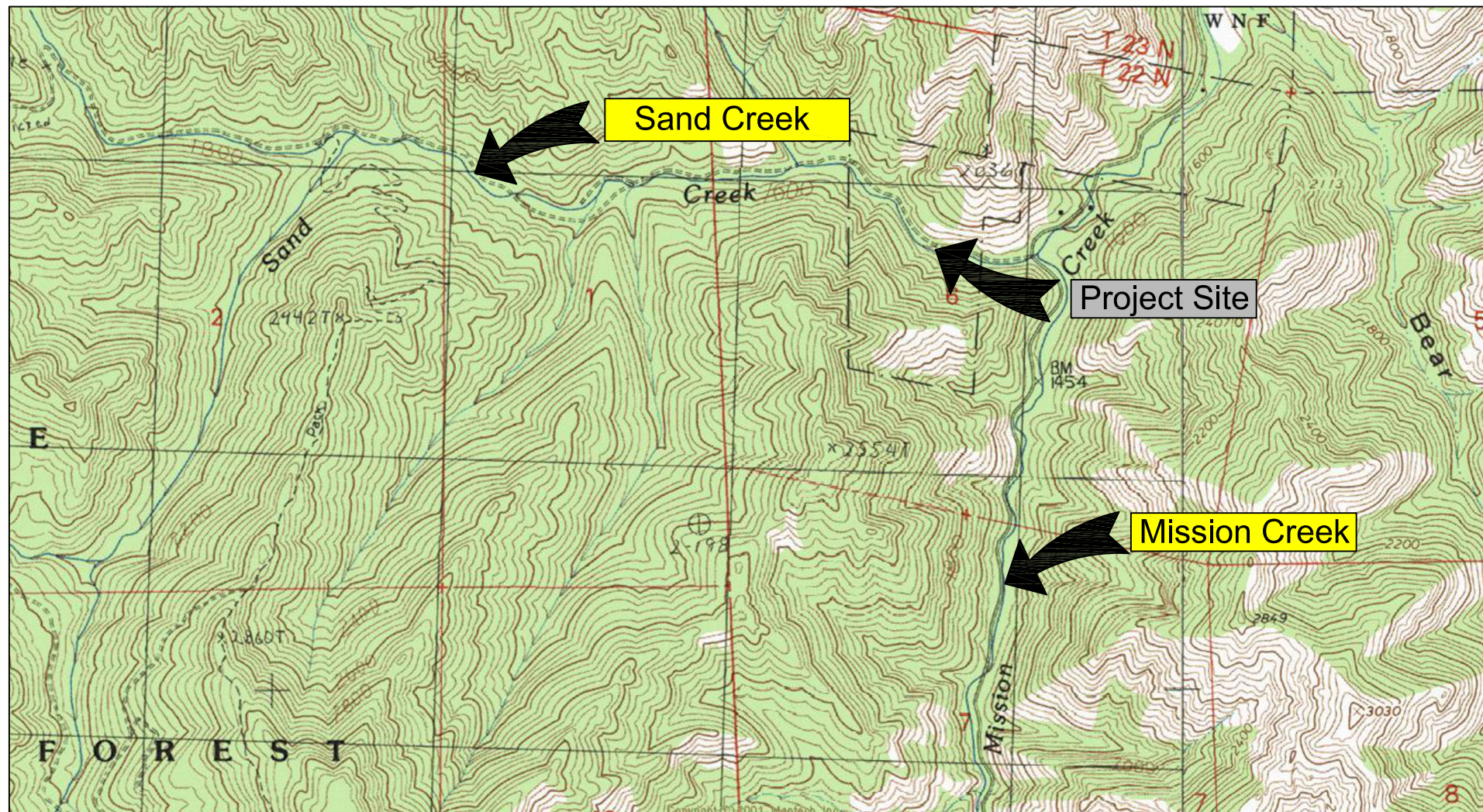
# Construction Documents

# Sand Creek Culvert Replacement

Chelan County - Sand Creek Road  
Project BRDG 23-006

## DRAWING INDEX:

1. Cover Sheet
2. Legend and Notes
3. Site Plan – Existing
4. Construction Plan
5. Site Plan – Proposed
6. Site Plan Enlarged
7. Road Profile
8. Stream Profile
9. Stream Plan
10. Sections
11. Precast Footing and Stemwall
12. Details
13. Culvert Details



View Road to West



View U/S End Culvert



## Sand Creek Fish Passage

Landowner: Chelan County Public Works  
Sec Twship Range: Section 29, T25N, R18E  
Lat and Long: 47° 25' 49.01"N, 120° 30' 41.27"W



4/3/26

| REV | DATE | BY | APPD | DESCRIPTION |
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SCALE VERIFICATION  
BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DESIGN BY:  
Waterfall Engineering

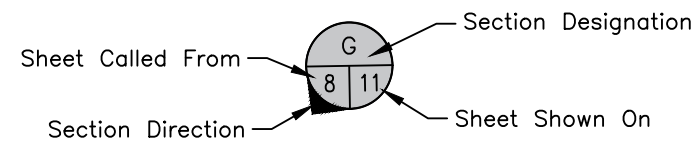
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Cover Sheet

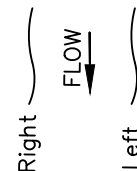
1 13  
SHEET OF

## SHEET SYMBOLS



SECTION CALLOUT

References to Right and Left as viewed downstream



Survey Completed by Mountain to Coast, LLC based on Washington State Plane Coordinate System and NAVD 88 Vertical Datum. Sand Creek Road ROW Calculated per Survey AFN 2372417, Records of Chelan County.

| PT  | N         | E          | Elev.   | Desc. |
|-----|-----------|------------|---------|-------|
| 70  | 157129.38 | 1719958.50 | 1445.58 | MNOC  |
| 100 | 157169.97 | 1719829.99 | 1449.99 | MNOC  |
| 110 | 157061.98 | 1720352.06 | 1432.95 | MNOC  |
| 120 | 157108.73 | 1720103.98 | 1441.39 | MNHT  |
| 130 | 157054.52 | 1720352.72 | 1435.62 | MNOC  |
| 140 | 157094.12 | 1719827.14 | 1443.42 | MNHT  |
| 150 | 157064.02 | 1719862.93 | 1443.59 | MNHT  |
| 160 | 157064.72 | 1719973.27 | 1440.41 | MNHT  |
| 170 | 157104.51 | 1720321.32 | 1434.50 | MNHT  |

- Sandbag Cofferdam
- Existing Concrete
- Existing Gravel Road
- Crushed Rock Fill
- Rock or Gravel Fill
- Undisturbed Grade
- Road Shoulder Fill

- Existing Trees > 12" Diam.
- Trees to be Removed

| Road Centerline |           |            |        |
|-----------------|-----------|------------|--------|
| STA             | N         | E          | Elev   |
| 2+00            | 157144.56 | 1719921.77 | 1447.0 |
| 2+80            | 157136.82 | 1720001.38 | 1444.6 |
| 3+40            | 157128.68 | 1720060.69 | 1442.4 |
| 4+00            | 157111.72 | 1720118.24 | 1444.7 |
| 4+40            | 157102.36 | 1720157.07 | 1439.4 |
| 4+72            | 157098.21 | 1720188.80 | 1438.1 |
| 5+20            | 157091.96 | 1720236.47 | 1436.0 |
| 6+13            | 157065.61 | 1720324.86 | 1434.0 |

## LEGEND

- 10
- 1
- BM1 Project Bench Mark
- GB-01 Geotech Boring Locations
- Design Elevation
- Centerline
- 2550 5' Contour Elevation
- 1' Contour Elevation
- Denotes 100 Year Flood Extent
- Denotes Excavation Extent/Clearing Limits
- Fish Screen, Silt Fence
- Denotes Parcel/Property Line
- Existing Grade
- APE

*Text Denotes Existing*

*Text Denotes Proposed*

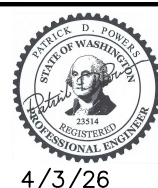
Text Denotes Proposed

Road Design Standards Based on Chelan County Code 15.30 Development Standards, except where Deviations have been Requested.



# Sand Creek Fish Passage

Landowner: Chelan County Public Works  
 Sec Twnshp Range: Section 29, T25N, R18E  
 Lat and Long: 47° 25' 49.01"N, 120° 30' 41.27"W



4/3/26

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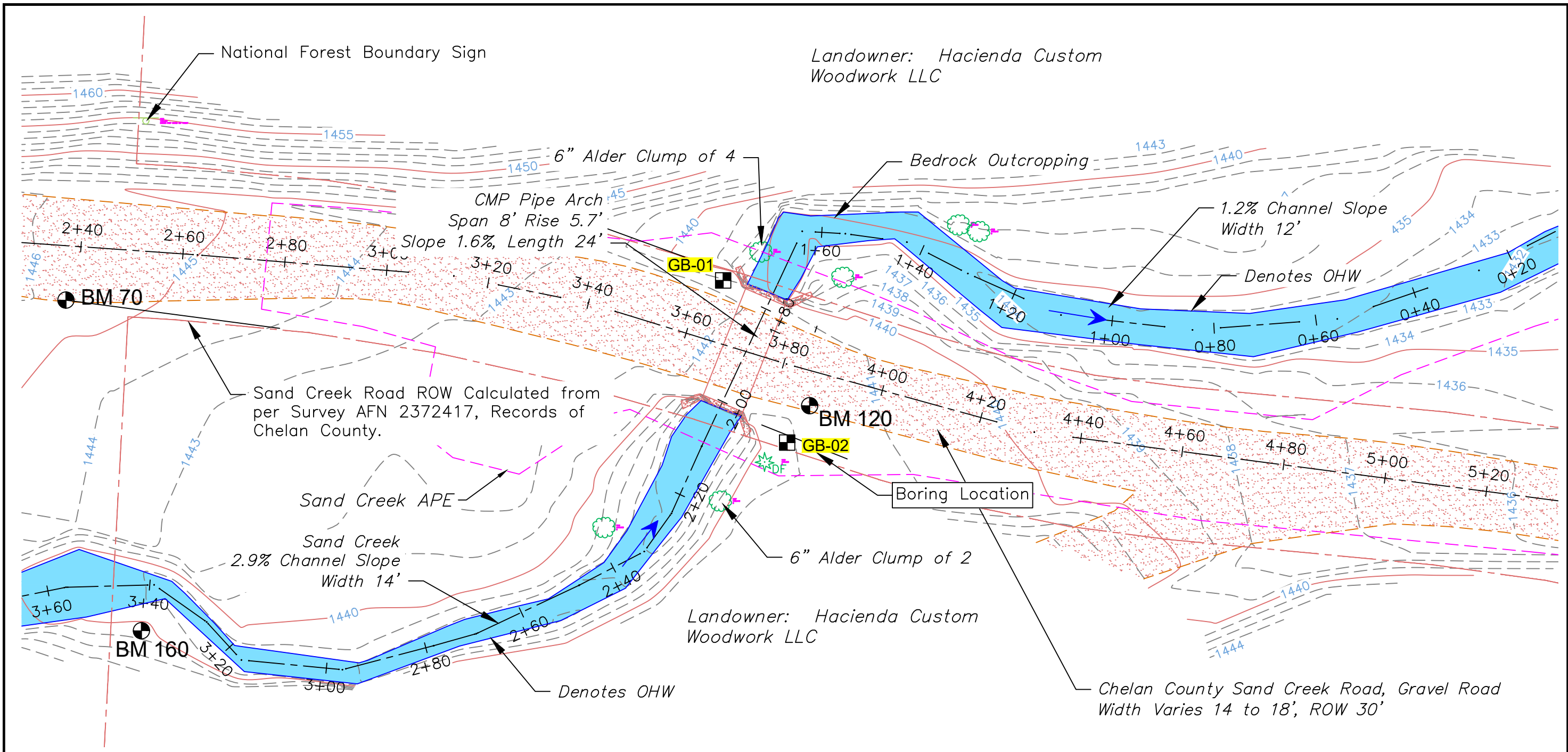
DESIGN BY:  
Waterfall Engineering

DRAWN BY:

DATE:  
4/3/26


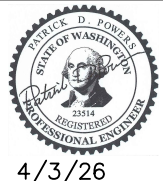
Legend

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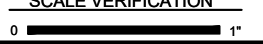


 **Site Plan**  
SCALE: 1" = 20'

Geotechnical Report by Geosyntec  
November 11, 2025  
Sand Creek Culvert Replacement  
Project: NWG0072

|   | <h1>Sand Creek Fish Passage</h1> |      |  | <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> <th>APPD</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> | REV  | DATE        | BY | APPD | DESCRIPTION |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | DESIGN BY:<br>Waterfall Engineering | <h2>Site Plan - Existing</h2> | <b>3</b> <b>13</b><br>SHEET OF |
|--|----------------------------------|------|---|--|------|-------------|----|------|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------------------------------|-------------------------------|--------------------------------|
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| Landowner: Chelan County Public Works<br>Sec Twship Range: Section 29, T25N, R18E<br>Lat and Long: 47° 25' 49.01"N, 120° 30' 41.27"W | DRAWN BY:<br><br>DATE:<br>4/3/26 |      |   |  |      |             |    |      |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                     |                               |                                |

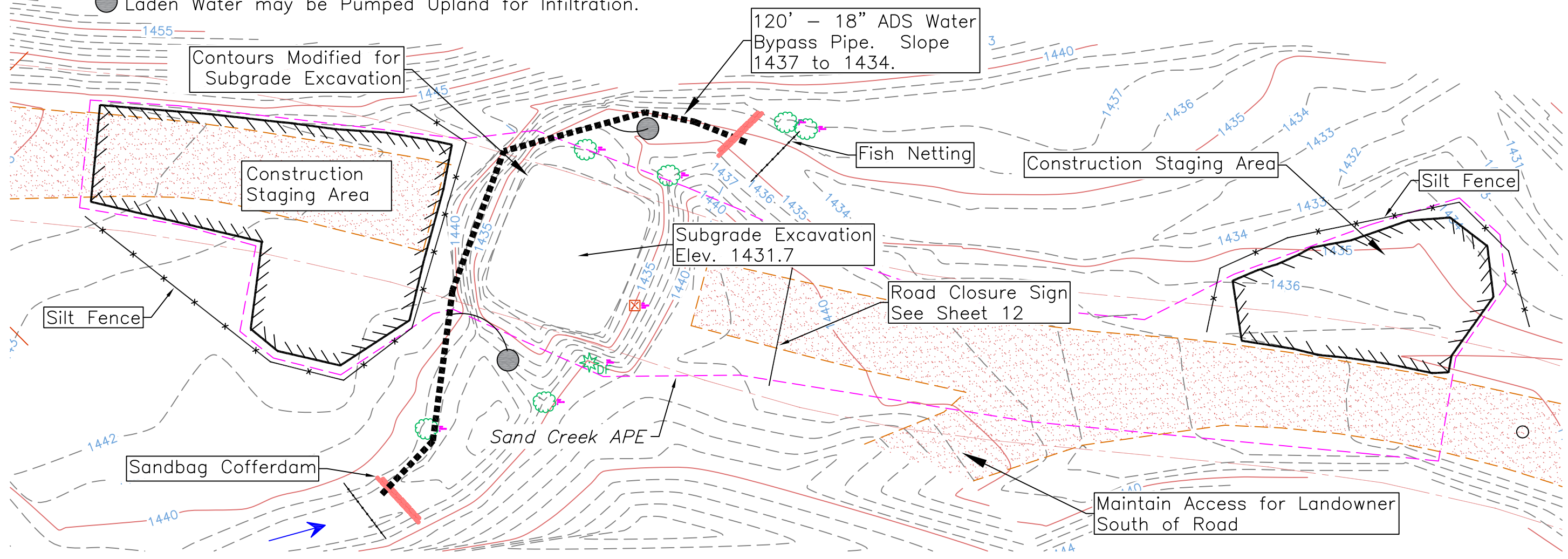
4/3/26

BAR IS ONE INCH ON ORIGINAL DRAWING.  SCALE VERIFICATION 1" = 20'

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

Denotes Sump Pump (See Detail Sheet 12). Provide Two Lines For Pumping. Clean Water May be sent to Bypass Pipe and Sediment Laden Water may be Pumped Upland for Infiltration.

Landowner: Hacienda Custom Woodwork LLC



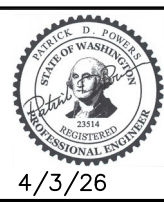
**Construction Plan**  
SCALE: 1" = 20'

Note: Additional Road Closed Ahead Sign 800' East at Sand Creek Road and Mission Creek Road



# Sand Creek Fish Passage

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Waterfall Engineering

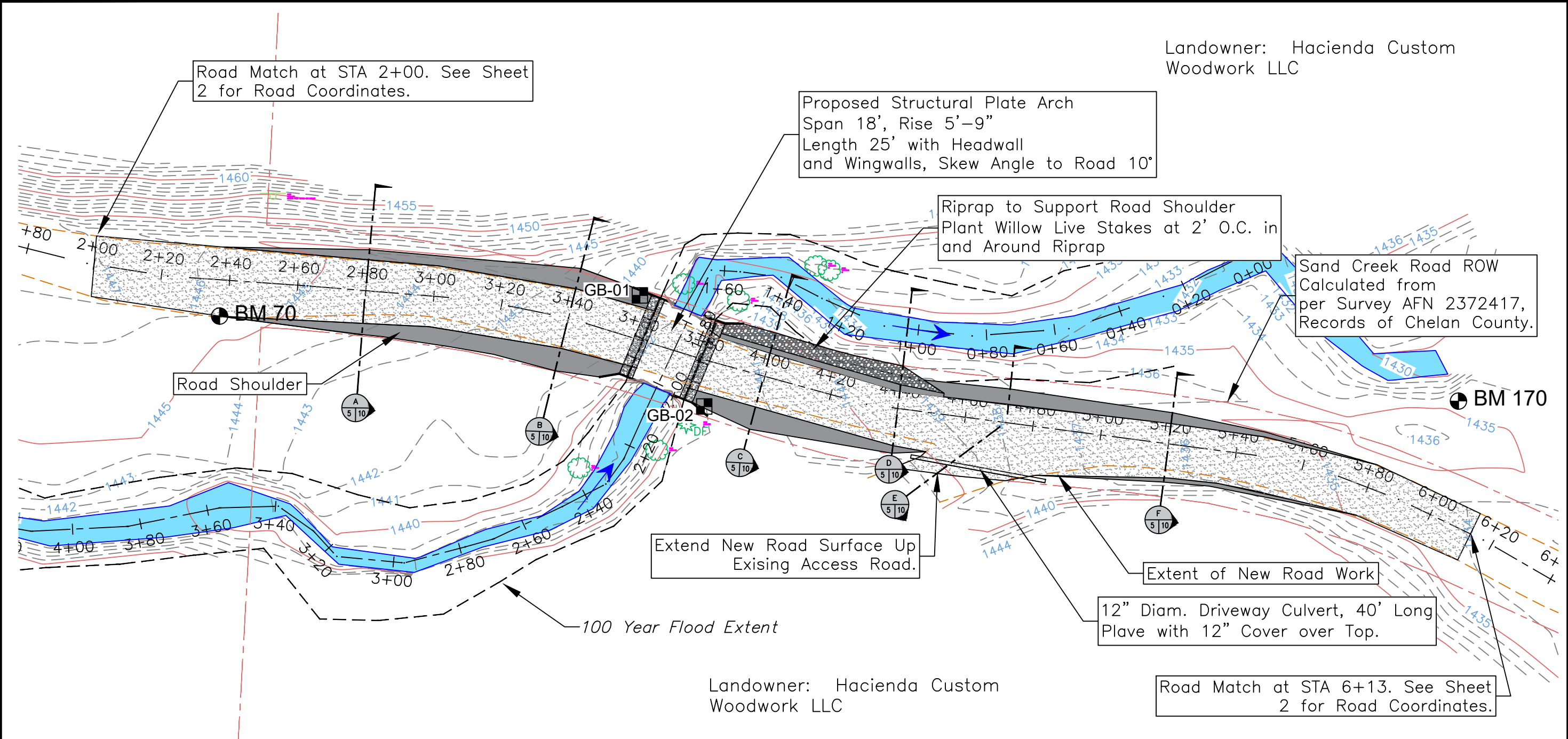
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4/3/26

## Construction Plan

**4** **13**  
SHEET OF

Landowner: Hacienda Custom  
Woodwork LLC



Proposed Structural Plate Arch  
Span 18', Rise 5'-9"  
Length 25' with Headwall  
and Wingwalls, Skew Angle to Road 10°

Riprap to Support Road Shoulder  
Plant Willow Live Stakes at 2' O.C. in  
and Around Riprap

Sand Creek Road ROW  
Calculated from  
per Survey AFN 2372417,  
Records of Chelan County.

Extend New Road Surface Up  
Existing Access Road.

Extent of New Road Work  
12" Diam. Driveway Culvert, 40' Long  
Plave with 12" Cover over Top.

Road Match at STA 6+13. See Sheet  
2 for Road Coordinates.

Landowner: Hacienda Custom  
Woodwork LLC

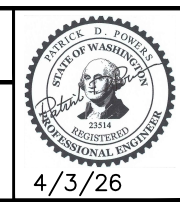
**Proposed Site Plan**  
SCALE: 1" = 30'

Note: Existing Road is Gravel. Surveyed Width Varies 13 to 18 feet. Proposed Design Width Varies 16 to 18' with 2' Shoulders Except at Ends Where the Road Matches Existing. From STA 4+00 to 5+20 Road is Offset From Centerline 2 to 3 feet (See Sheet 10)



# Sand Creek Fish Passage

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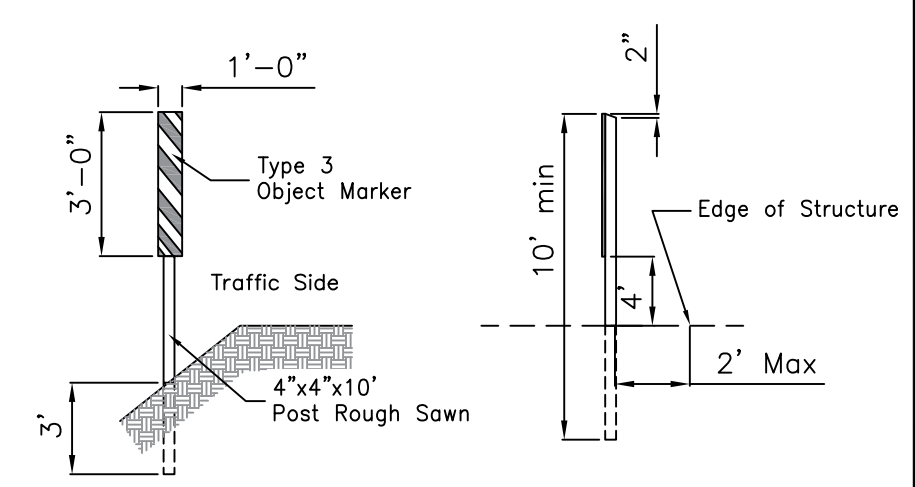
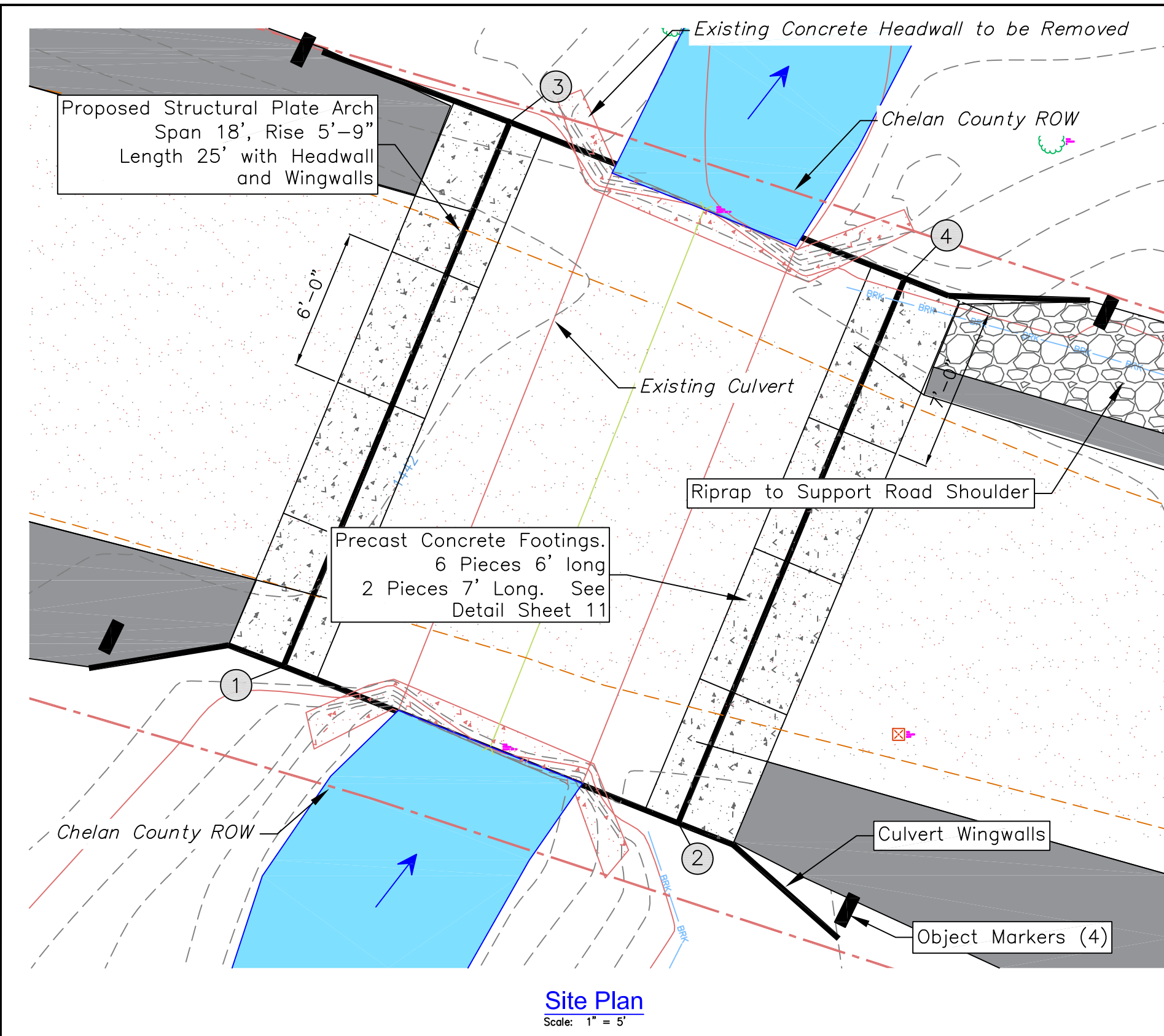
DESIGN BY:  
Waterfall Engineering

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DATE:  
4/3/26

Site Plan - Proposed

**5 13**  
SHEET OF



### Type 3 Object Marker Detail

NTS

Type 3 Object Markers Shall be 12" x 36" and Colored Yellow and Black. Material Shall Meet MUTCD OM-3L Specifications. Fasten to Post 2 (2) 1/4" Diam. Machine Bolts w/washers. Field Drill Bolt Holes. Install Posts such that the Inside Edge of the Reflectorized Panel is in line with the Inside Edge of the Rail. Stripes Shall Slope in Towards Roadway.

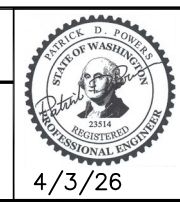
| Culvert Coordinates – For Layout |           |            |
|----------------------------------|-----------|------------|
| Number                           | Northing  | Easting    |
| ①                                | 157111.62 | 1720077.91 |
| ②                                | 157104.98 | 1720094.62 |
| ③                                | 157134.68 | 1720087.50 |
| ④                                | 157128.06 | 1720104.23 |

Site Plan  
Scale: 1" = 5'



## Sand Creek Fish Passage

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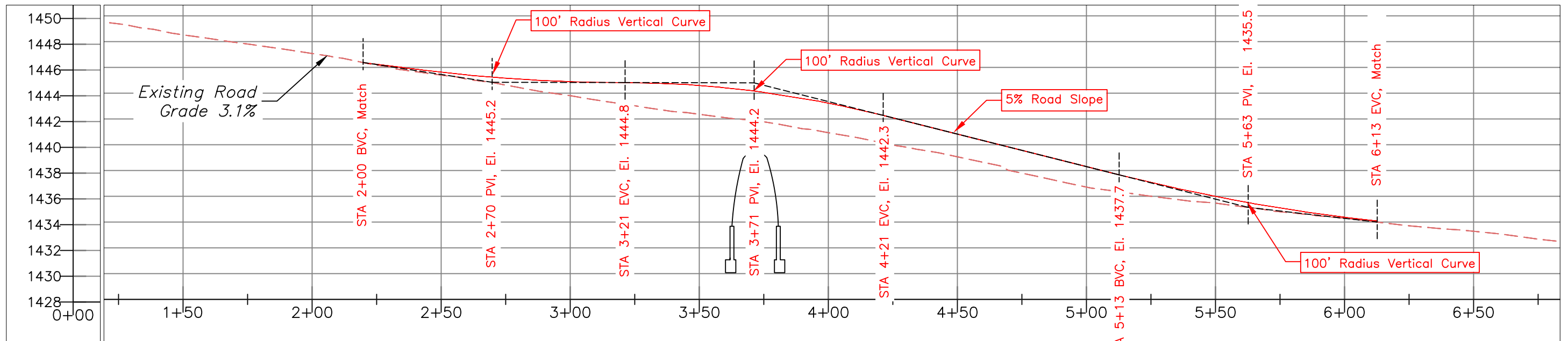
DESIGN BY:  
Waterfall Engineering

DRAWN BY:

DATE:  
4/8/26

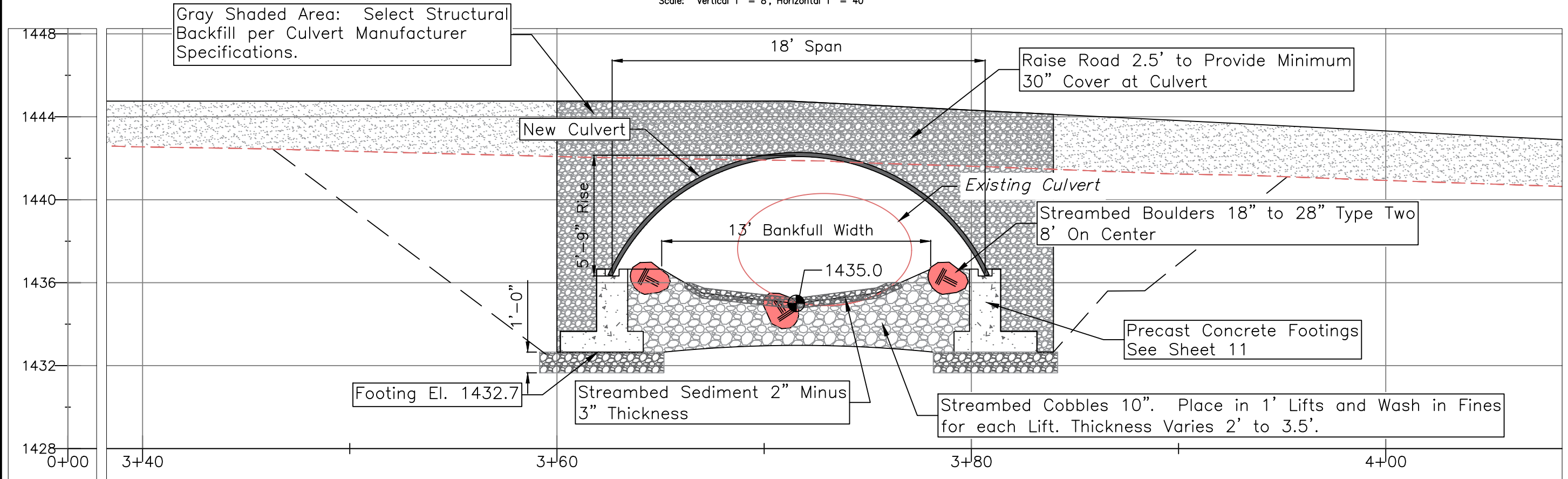
Enlarged Site Plan

6 13  
SHEET OF



**Road - Vertical Profile - Skew**

Scale: Vertical 1" = 8', Horizontal 1" = 40'



**Road Section**

Scale: 1" = 20'



# Sand Creek Fish Passage

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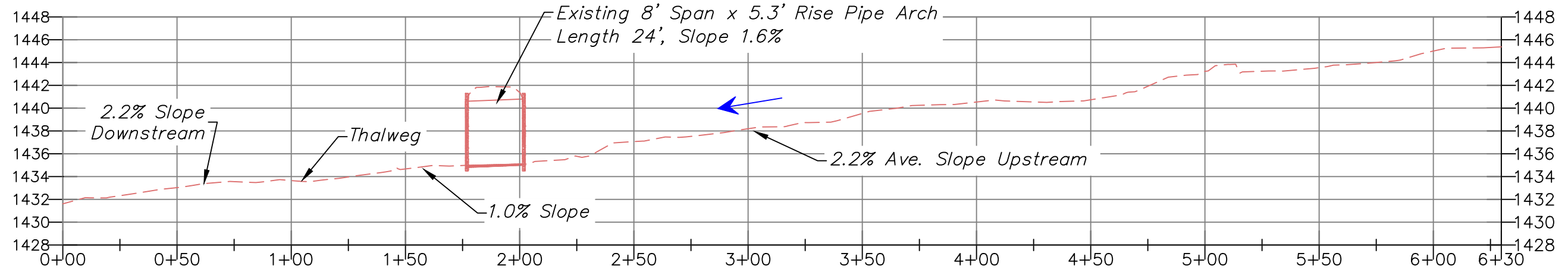
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

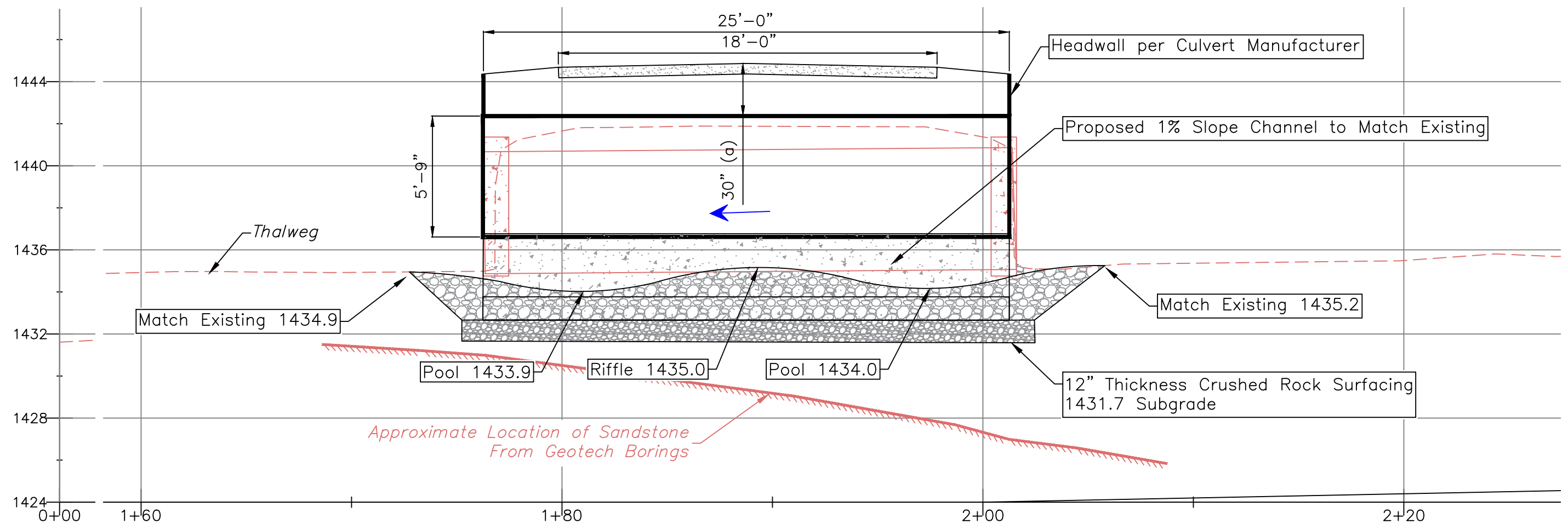
DESIGN BY: Waterfall Engineering  
 DRAWN BY:  
 DATE: 4/3/26

## Road Profile

**7** **13**  
 SHEET OF



**Long Stream Profile**  
Scale: Vertical 1" = 10', Horizontal 1" = 50'



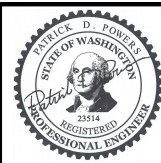
**Stream Profile**  
Scale: 1" = 10'

a: Minimum Dimension per NSCPA Corrugated Steel Pipe Manual. Actual may Vary.



# Sand Creek Fish Passage

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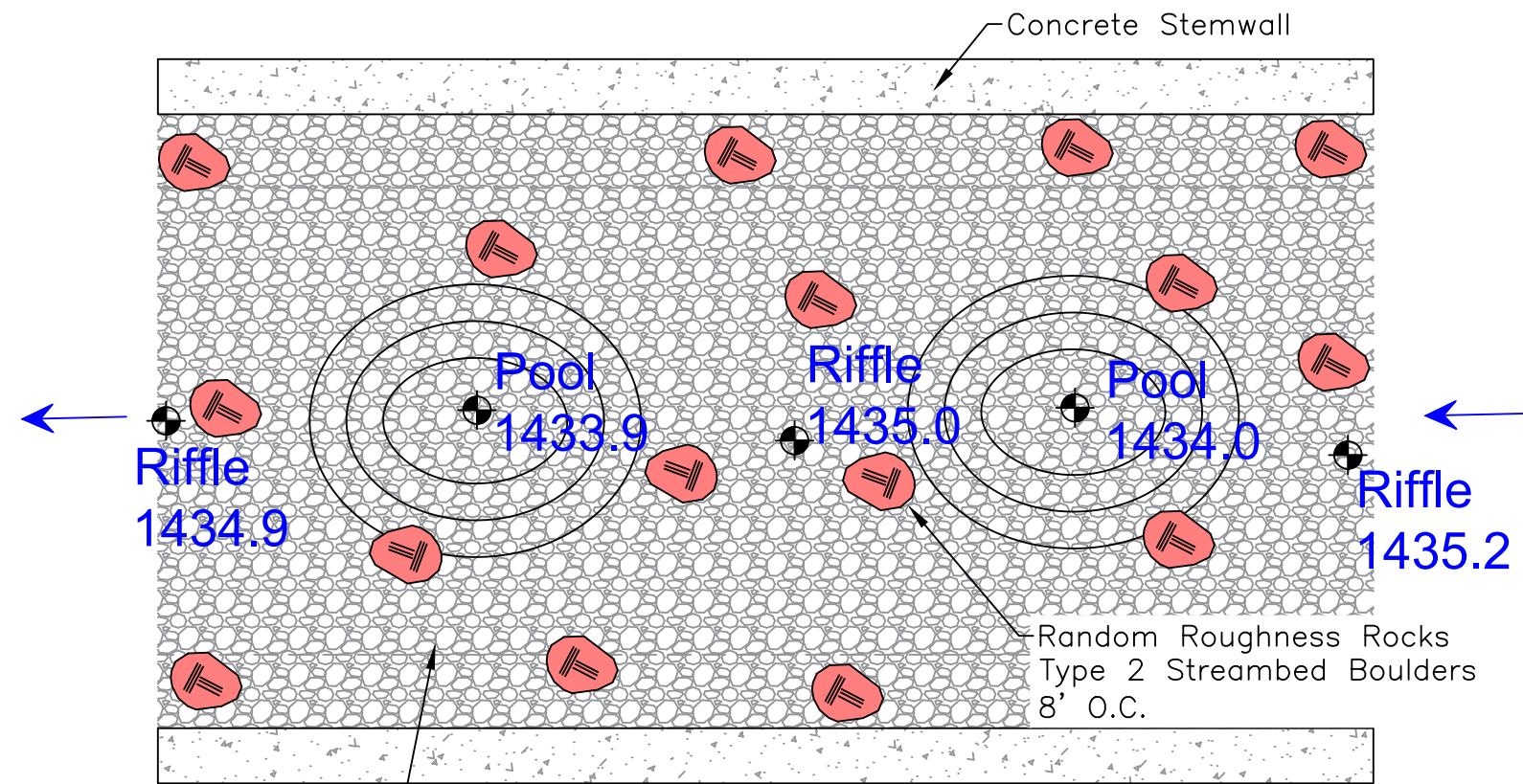
DESIGN BY:  
Waterfall Engineering

DRAWN BY:

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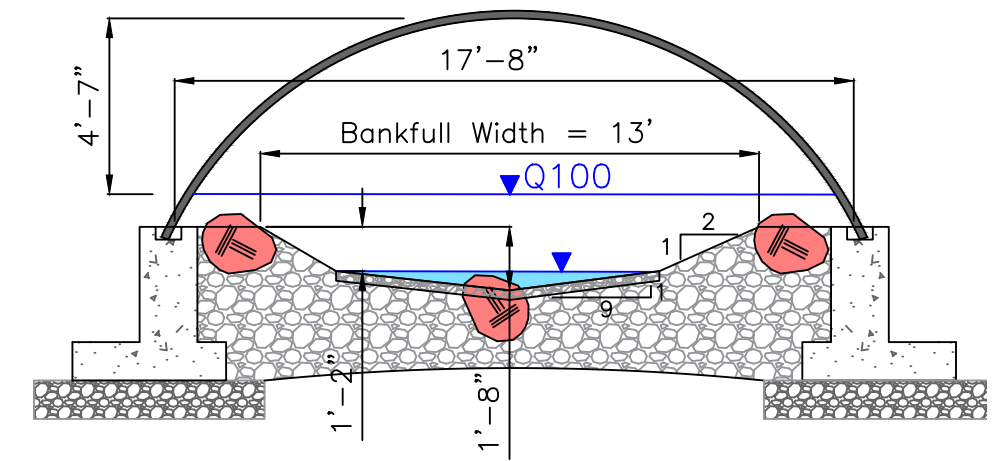
## Stream Profile

**8** **13**  
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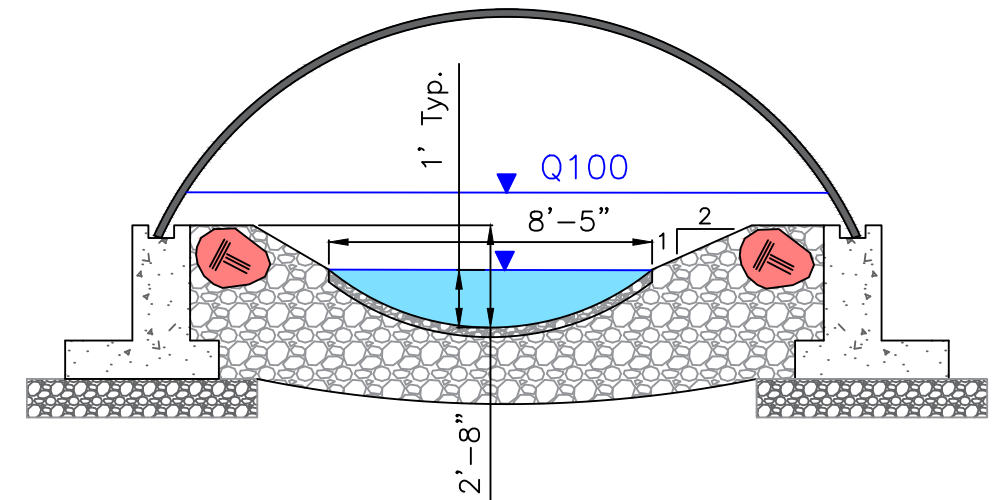
**Typical Plan View**

Scale: 1" = 5'



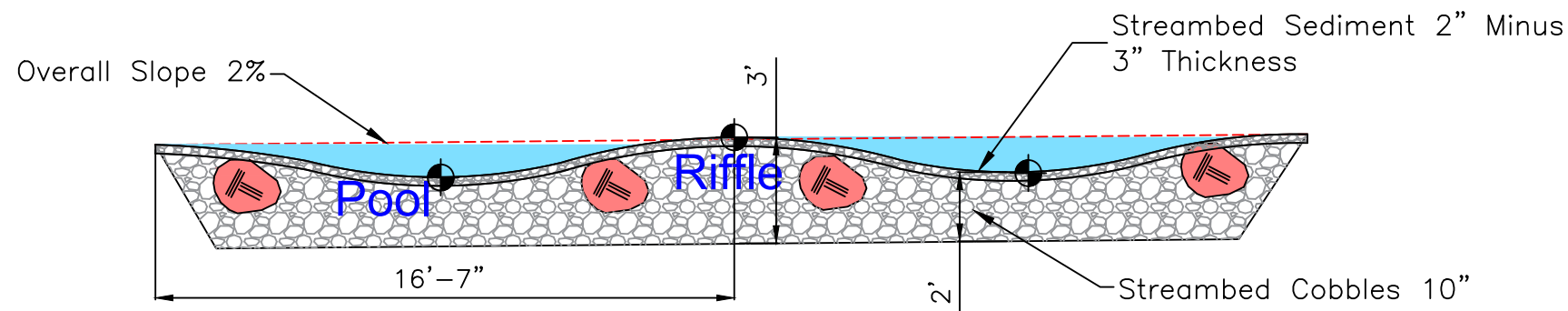
**Typical Riffle Section**

Scale: 1" = 5'



**Typical Pool Section**

Scale: 1" = 5'



**Typical Profile View**

Scale: 1" = 5'

10" Streambed Cobbles:

- 100% Passing: 10"
- 84% Passing: 8"
- 50% Passing: 4"

Place Streambed Cobbles and Boulders in 1' Lifts and Wash in Fines to bed to seal the porous rock. Set Aside 10 cubic yards from Existing Channel Excavation for this Material. Contractor to Ensure Channel Does Not Go Subsurface for 48 Hours.

⊕ Denotes Design Elevation From Sheet 8



# Sand Creek Fish Passage

Landowner: Chelan County Public Works  
 Sec Twnshp Range: Section 29, T25N, R18E  
 Lat and Long: 47° 25' 49.01"N, 120° 30' 41.27"W



4/3/26

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SCALE VERIFICATION  
 BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1'

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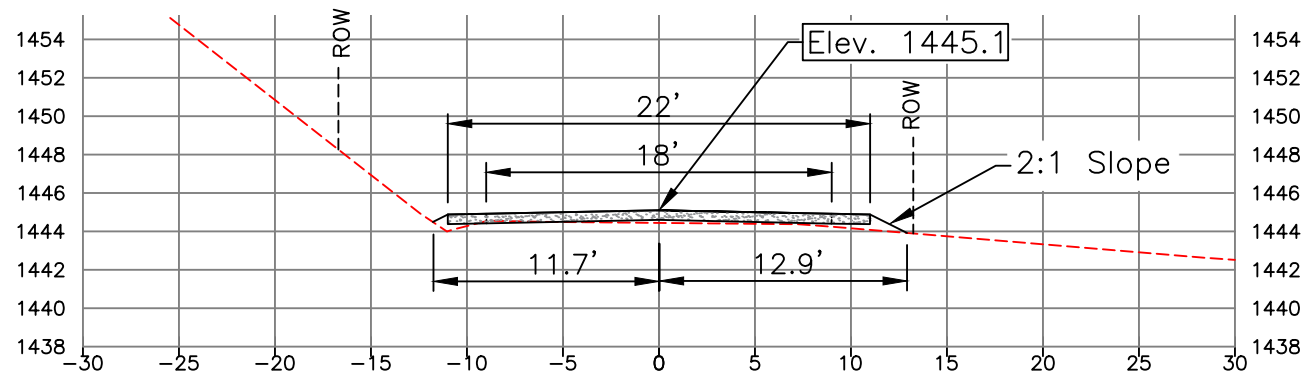
DESIGN BY:  
Waterfall Engineering

DRAWN BY:

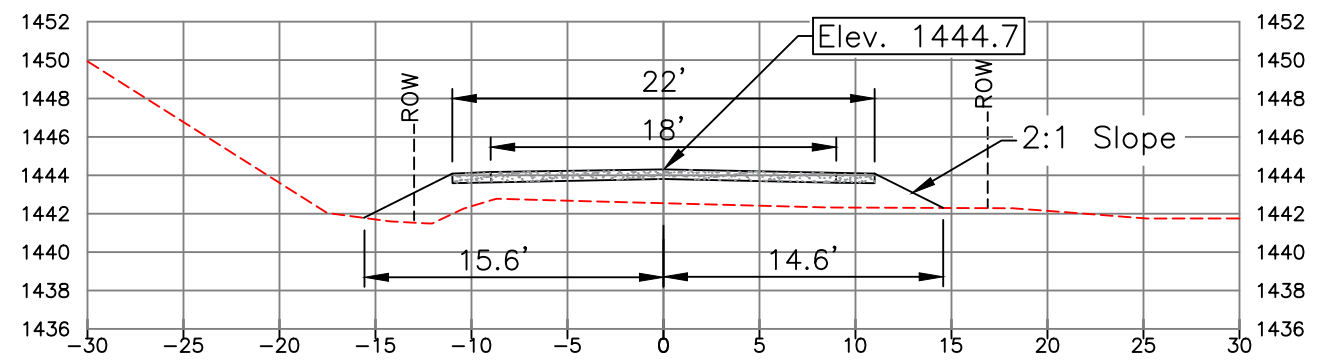
DATE:  
4/3/26

Stream Plan

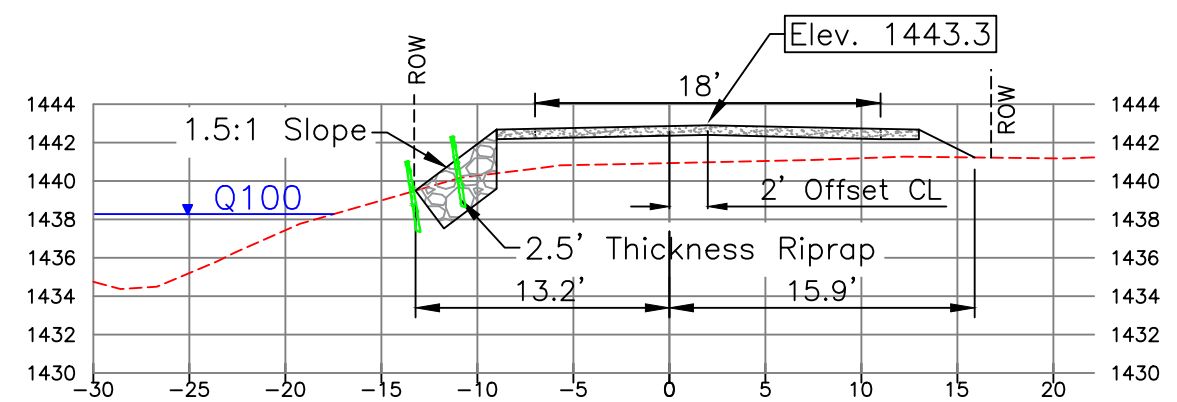
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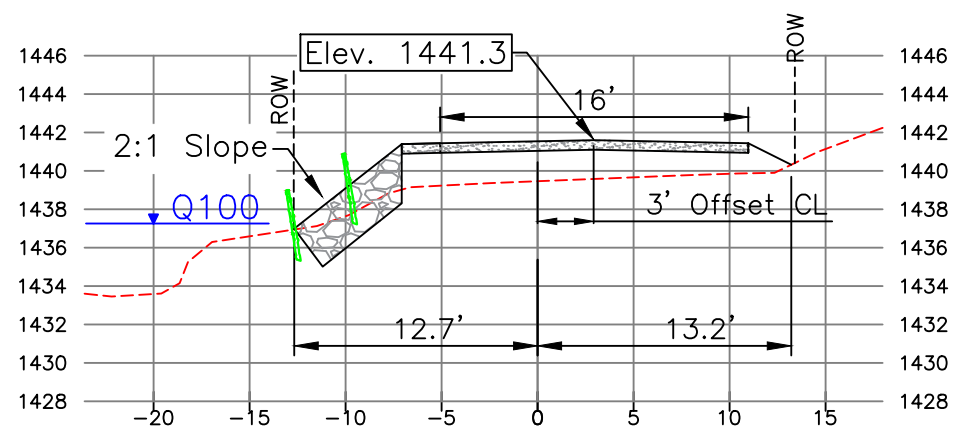
**A**  
5 | 10  
**STA 2+80**  
Scale: 1" = 10'



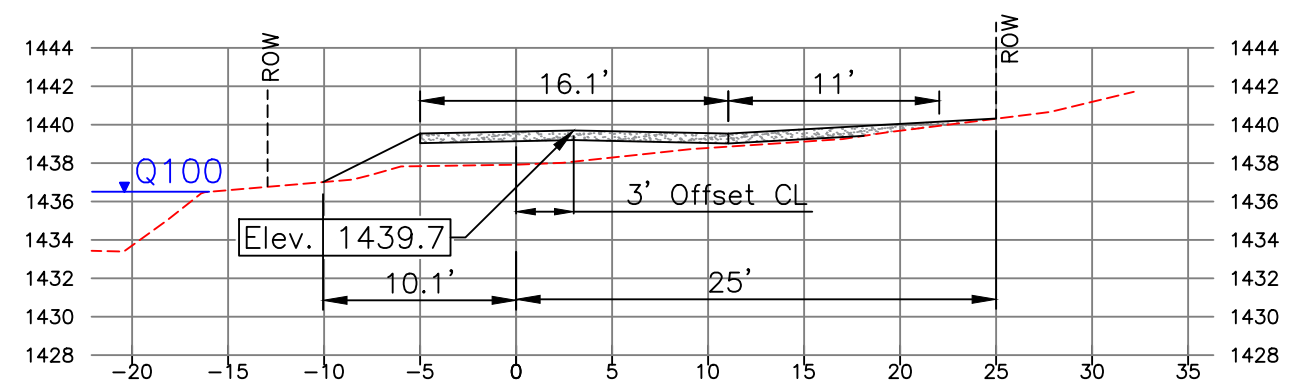
**B**  
5 | 10  
**STA 3+40**  
Scale: 1" = 10'



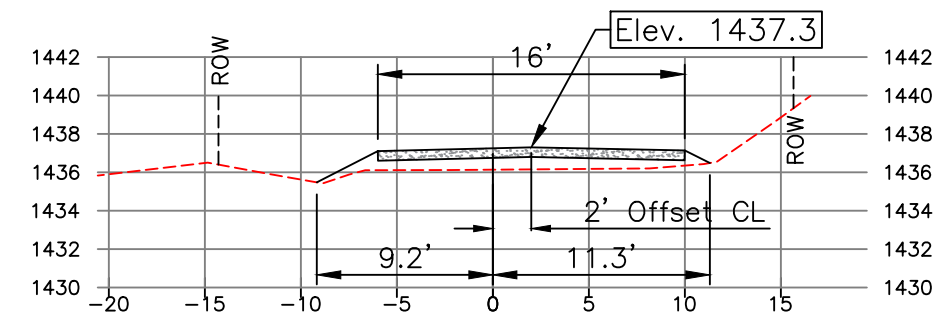
**C**  
5 | 10  
**STA 4+00**  
Scale: 1" = 10'



**D**  
5 | 10  
**STA 4+40**  
Scale: 1" = 10'



**E**  
5 | 10  
**STA 4+72**  
Scale: 1" = 10'

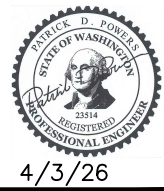


**F**  
5 | 10  
**STA 5+20**  
Scale: 1" = 10'



# Sand Creek Fish Passage

Landowner: Chelan County Public Works  
 Sec Twship Range: Section 29, T25N, R18E  
 Lat and Long: 47° 25' 49.01"N, 120° 30' 41.27"W



4/3/26

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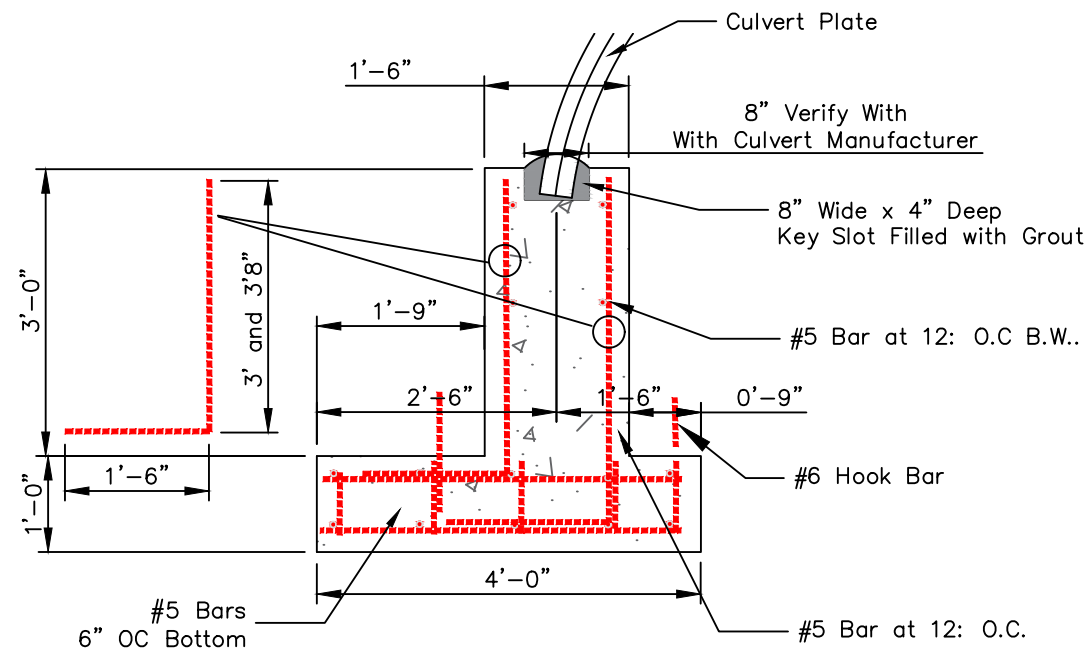
DESIGN BY:  
Waterfall Engineering

DRAWN BY:

DATE:  
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Road Sections

**10** **13**  
SHEET OF

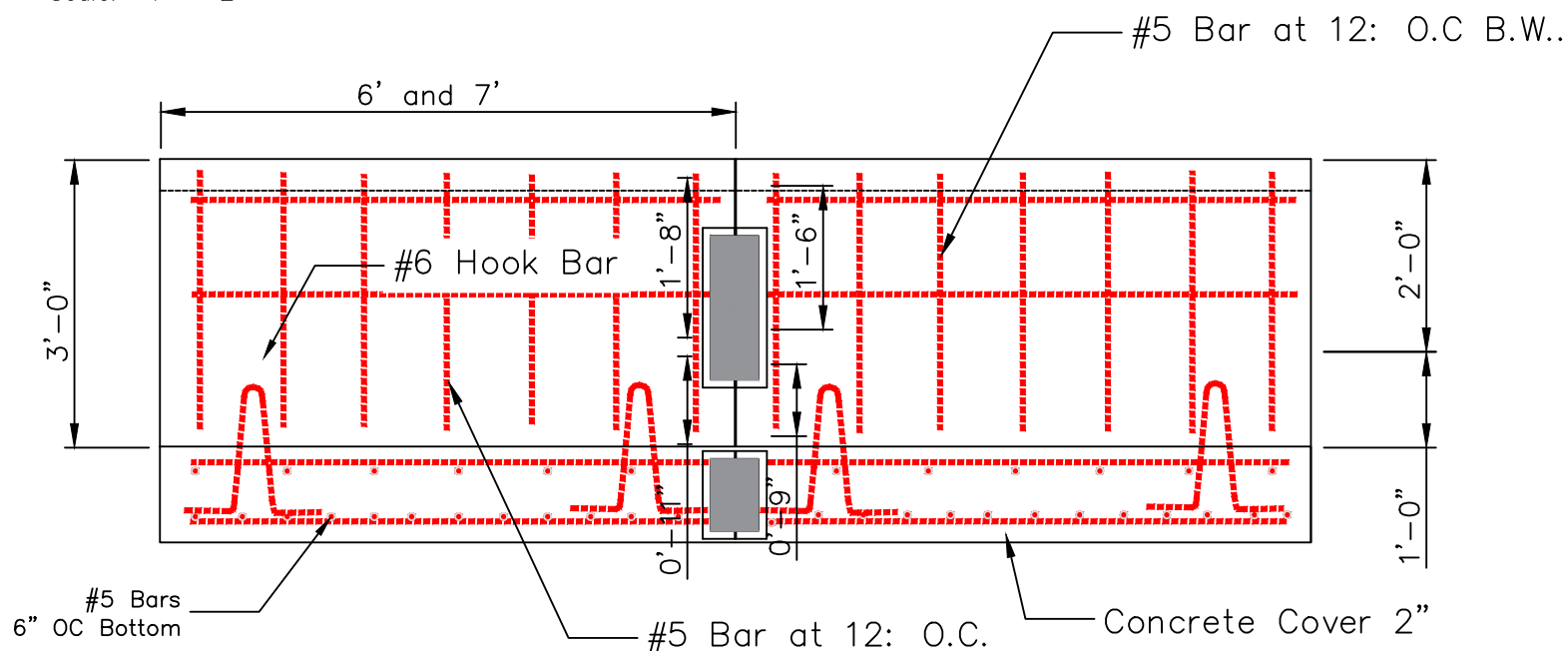


**Concrete Footing Detail (8 Required - 6 @ 6' Long, 2 @ 7' Long)**

Scale: 1" = 2'

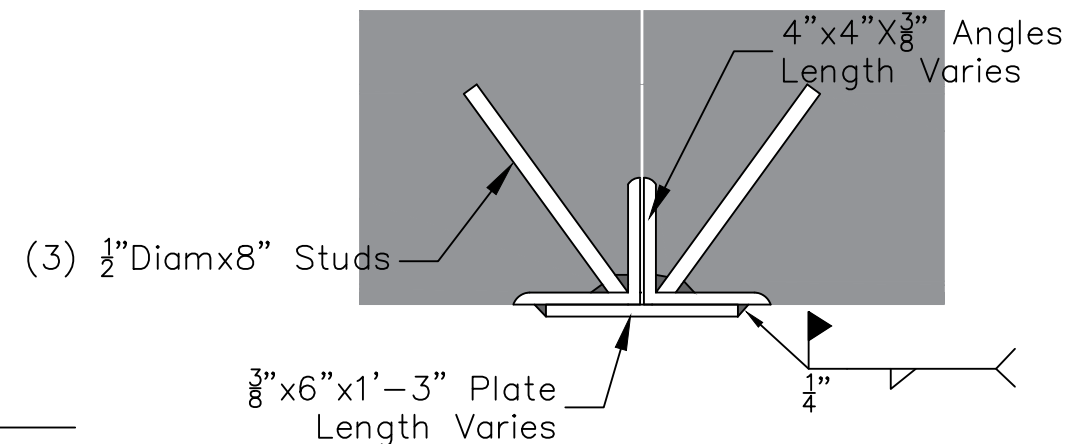
**Notes:**

1. Make Six Footing Sections 6' Long and Two 7' Long. Field Weld Required.
2. Concrete Mix to be 6-Sack Mix (4000 psi) w/4% to 7% Air Entrainment.
3. Rebar to be Grade 60
4. Dowels to be Grade 60
5. Weight Per Unit = 7700 lbs (6' Length), 8700 lbs (7' Length)
6. All Rebar Splices Shall be Minimum 40 Bar Diameters
7. Grout Shall be 4000 psi Non-Metallic, Non-Shrink Grout or 4000 psi Fiber-Reinforced Concrete w/small Aggregate
8. Lifting Loops as Shown.
9. Allowable soil bearing pressure 3000 psf.
10. Final Geometry and Layout to be Determined from Culvert Vendor Drawings.
11. Precast Footing Shop Drawing Required by Engineer to Review Prior to Pouring.



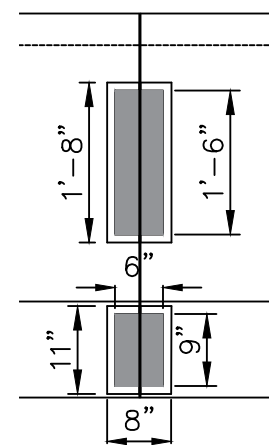
**Footing Connection Detail (6 Required)**

Scale: 1" = 2'



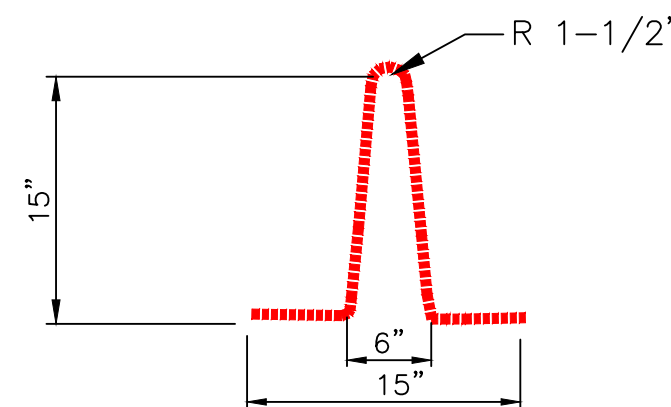
**Footing Connection Detail (6 Required)**

Scale: 1" = 0.5'



**Weld Plate Dimensions**

Scale: 1" = 2'



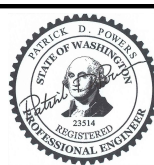
**#6 Hook Bar (4 Per Segment, 32 Total) for Lifting**

Scale: 1" = 1'



**Sand Creek Fish Passage**

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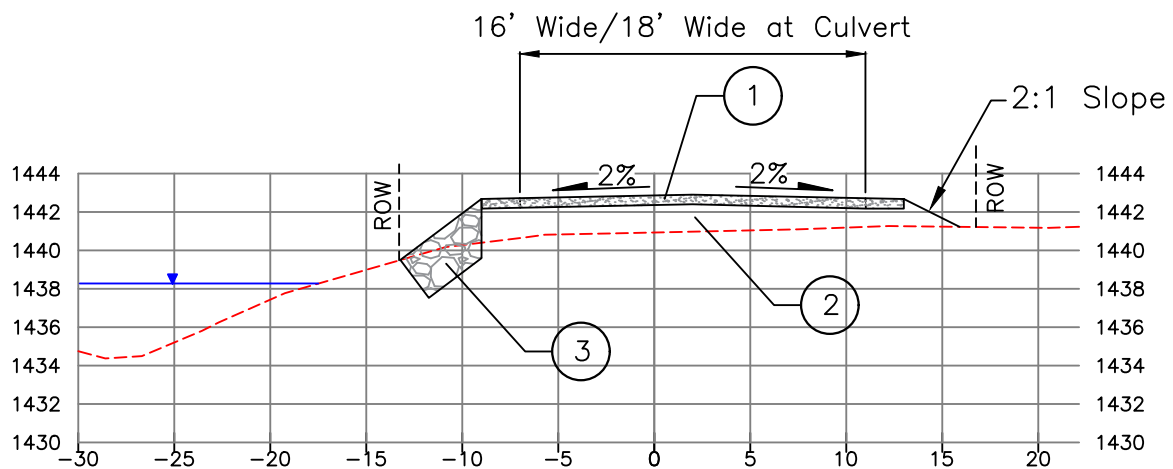
DESIGN BY: Waterfall Engineering  
 DRAWN BY:  
 DATE: 4/3/26

**Footings**

**11** **13**  
 SHEET OF

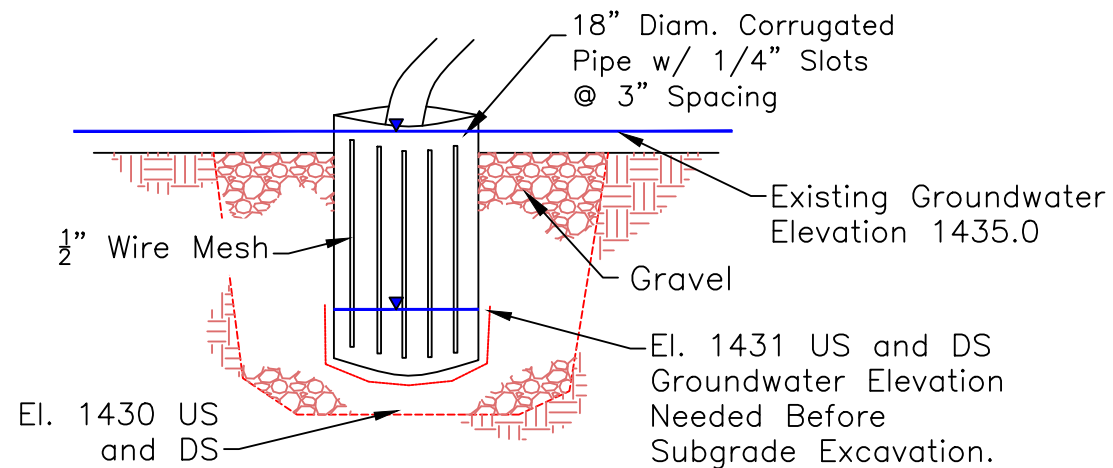
Minimum Required Compacted Depth

- ① 0.5' Crushed Surfacing Top Course
- ② Gravel Base (Depth Varies 1.0 to 2.9')
- ③ Riprap 1.5 to 1 Slope, 2.5' Thickness



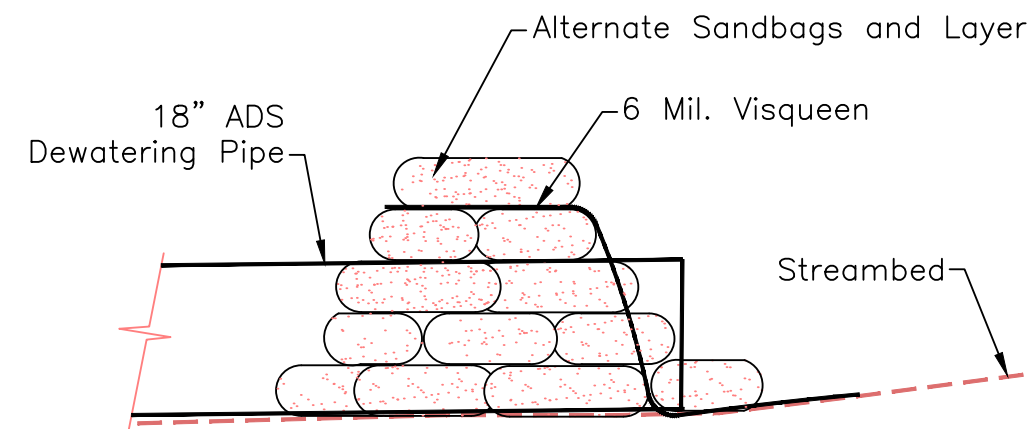
**Typical Road Section - STA + 4+00 View East**

Scale 1" = 5'



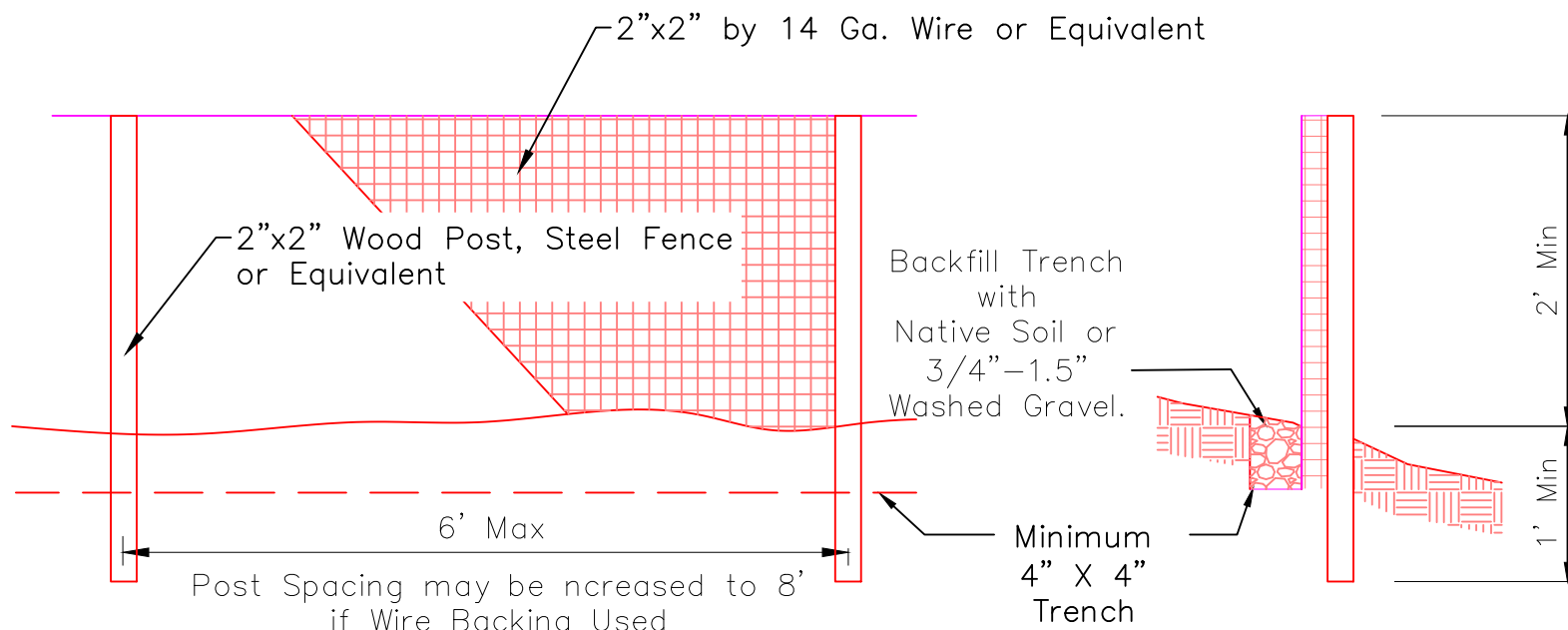
**Sump Pump Detail**

NOT TO SCALE



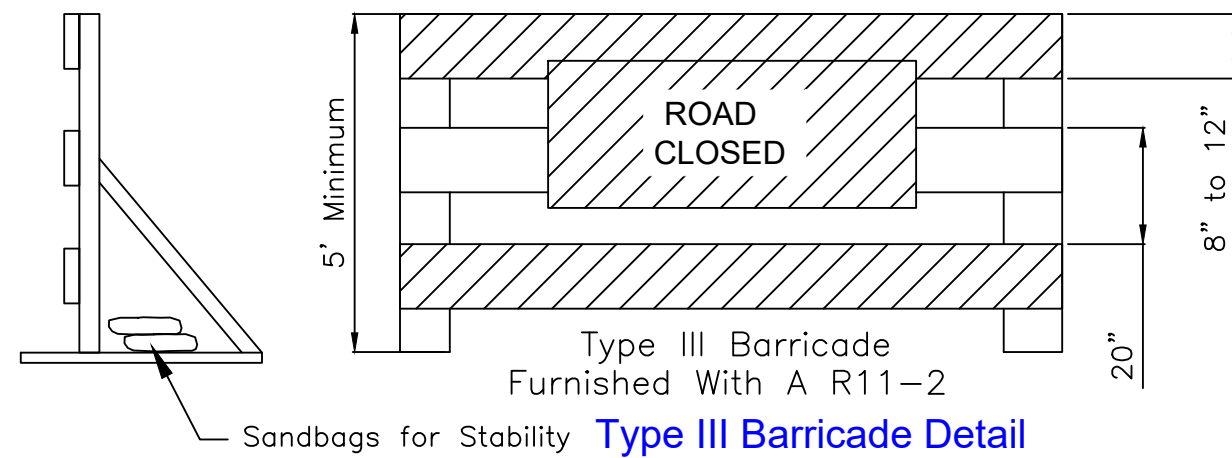
**Sandbag Cofferdam**

NOT TO SCALE



**Filter Fabric Fence**

Scale: NTS



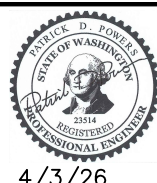
**Type III Barricade Detail**

NTS



# Sand Creek Fish Passage

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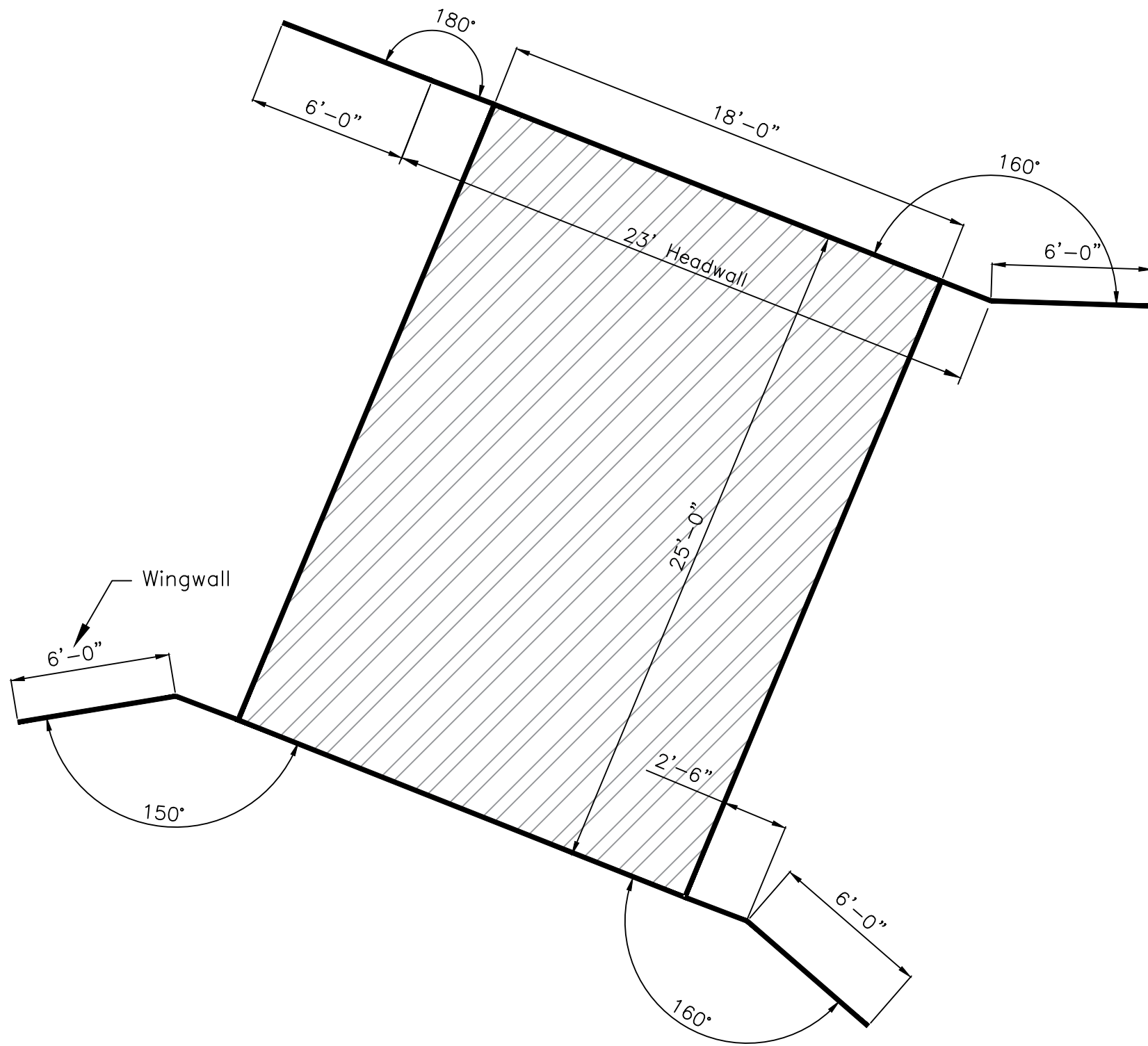
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Waterfall Engineering

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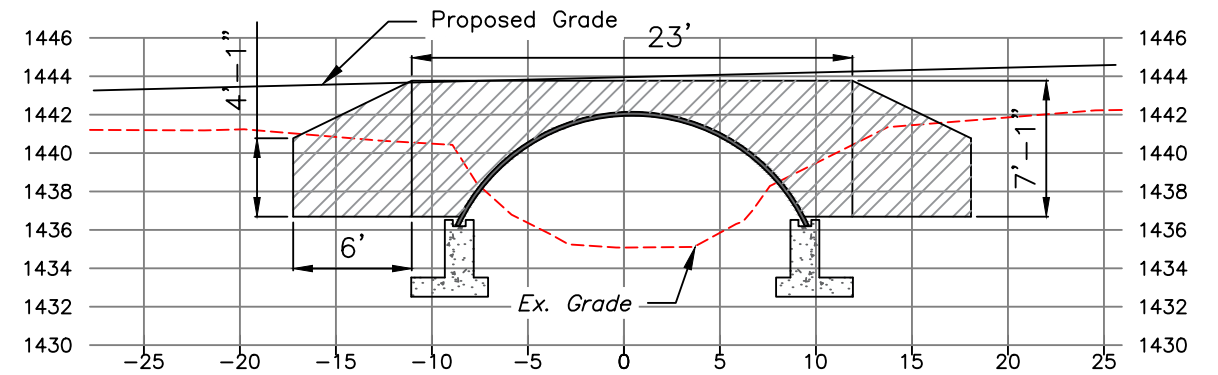
DATE:  
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Details

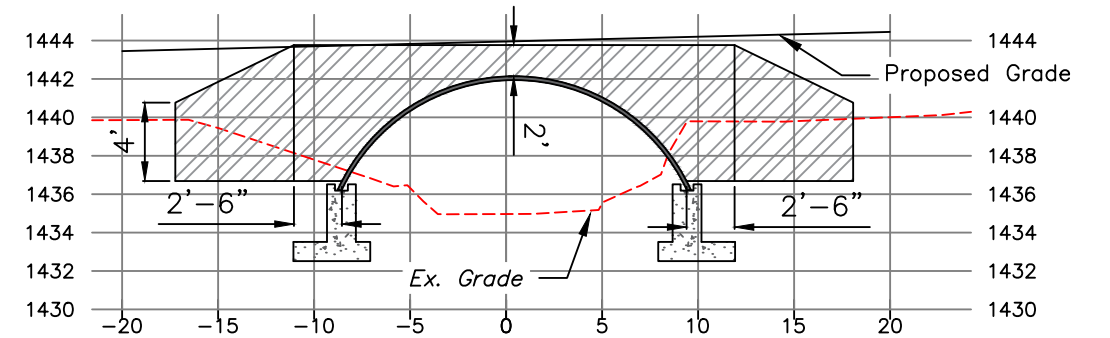
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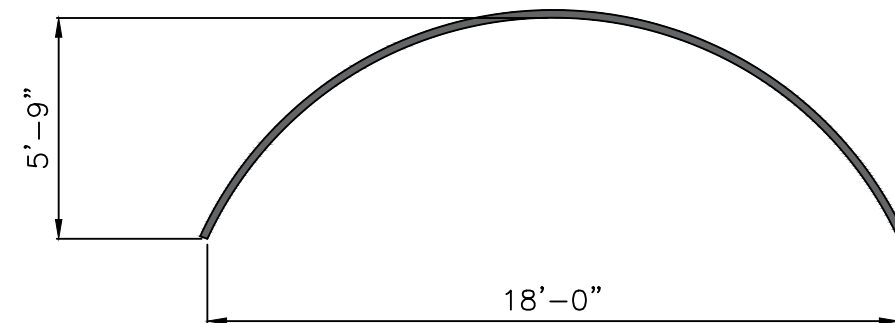
**Culvert Layout**  
Scale: 1" = 5'



**Headwall/Wing Wall Layout - Upstream**  
Scale: 1" = 10'



**Headwall/Wing Wall Layout - Downstream**  
Scale: 1" = 10'



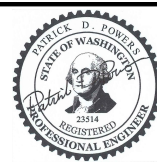
**Culvert**  
Scale: 1" = 5'

Multiplate Arch Span 18' Rise 5'-9" 10 Gage  
Length 25', 6" x 2" Corrugations  
Headwalls and Wingwalls as Shown  
Design Load Rating HL 93



# Sand Creek Fish Passage

Landowner: Chelan County Public Works  
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## Culvert Details

**13** **13**  
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