

Jefferson County
Board of Commissioners
Agenda Request

To: Board of Commissioners
Mark McCauley, County Administrator

From: Monte Reinders, P.E., Public Works Director/County Engineer 

Agenda Date: February 13, 2023

Subject: Approval of Plans for Improvements to a County Road,
AND Approval of the Call for Bids for the Snow Creek Road MP 0.84
Culvert Replacement, Project No. 18020310, County Road No. 352909,
FEMA Hazard Mitigation Grant No. D21-031

Statement of Issue: The Board is asked to approve the Contract Plans and the Call for Bids for the Snow Creek Road MP 0.84 Culvert Replacement project, County Project No. 18020310.

Analysis/Strategic Goals/Pro's & Con's: Jefferson County has been awarded federal funding through the FEMA Hazard Mitigation program and a low interest loan through the Washington State Public Works Board for the culvert replacement at Snow Creek Road MP 0.84. The culvert is located under a 45 ft. deep fill, is badly deteriorated and at risk of failure. The proposed culvert replacement is necessary to maintain reliable access for residents. This Call for Bids is for construction of the culvert replacement and will include excavation of the 45 ft. deep fill, replacement of the culvert with a new 72-inch diameter culvert, and reconstruction of the road fill and roadway.

Fiscal Impact/Cost Benefit Analysis: The Engineer's Estimate is \$1,445,600. The total estimated project cost including engineering, right of way and construction is \$1,675,161. The FEMA Hazard Mitigation grant will provide \$997,500 in federal funding and \$166,250 in state funding. The Public Works Board Construction Loan will provide up to an additional \$500,000 in funding for construction and construction management.

Recommendation: The Board is requested to sign the Contract Plans and the Call for Bids, and return to Public Works.

Department Contact: Mark Thurston, P.E., Project Manager, 385-9160.

Reviewed By:


Mark McCauley, County Administrator


Date

NOTICE TO CONTRACTORS

CALL FOR BIDS

**Snow Creek Road MP 0.84 Culvert Replacement
County Project No. 18020310**

Notice is hereby given that the Board of County Commissioners of Jefferson County, State of Washington, will receive sealed bids until **9:30 a.m. on March 6, 2023** at the Office of the County Commissioners, basement level of the Jefferson County Courthouse, 1820 Jefferson Street, P.O. Box 1220, Port Townsend, Washington, 98368, for construction of the Snow Creek Road MP 0.84 Culvert Replacement, County Project No. 18020310. Sealed bids will be opened and read publicly at **10:45 a.m., or shortly thereafter**, on the same day in the Jefferson County Commissioners Chambers, basement level of the Jefferson County Courthouse. **NOTE: In-person attendance limited to 50% room capacity.** Or participate by: Zoom <https://zoom.us/j/93777841705>; Phone call 1-253-215-8782 use Webinar ID 937-7784-1705#; or Live stream viewing on www.co.jefferson.wa.us under "Quicklinks" click "Videos of Meetings," and click "Today" tab.

This contract provides for the improvement of Snow Creek Road by replacing the culvert at Snow Creek Road at milepost 0.84 in Jefferson County near Quilcene, Washington. Work includes the excavation of the existing road embankment and culvert, installation of a new 72-inch diameter culvert, reconstruction of the road embankment and road base, HMA wearing surface, guardrail, site restoration, and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications. The Engineers Estimate is \$1,445,600.

Bids must be submitted in accordance with the plans and specifications in the bid documents. All bid documents including bid forms, plans, specifications, addenda, and plan holders list, are available on the Builders Exchange of Washington website www.bxwa.com. Click **"Posted Projects"**, **"Public Works," "Jefferson County Public Works" "Projects Bidding,"** and **"Project Bid Date."** Bidders must **"Register as a Bidder,"** to receive automatic e-mail notification of future addenda and to be placed on the **"Bidders List."** Call BXWA at (425) 258-1303 if you need assistance.

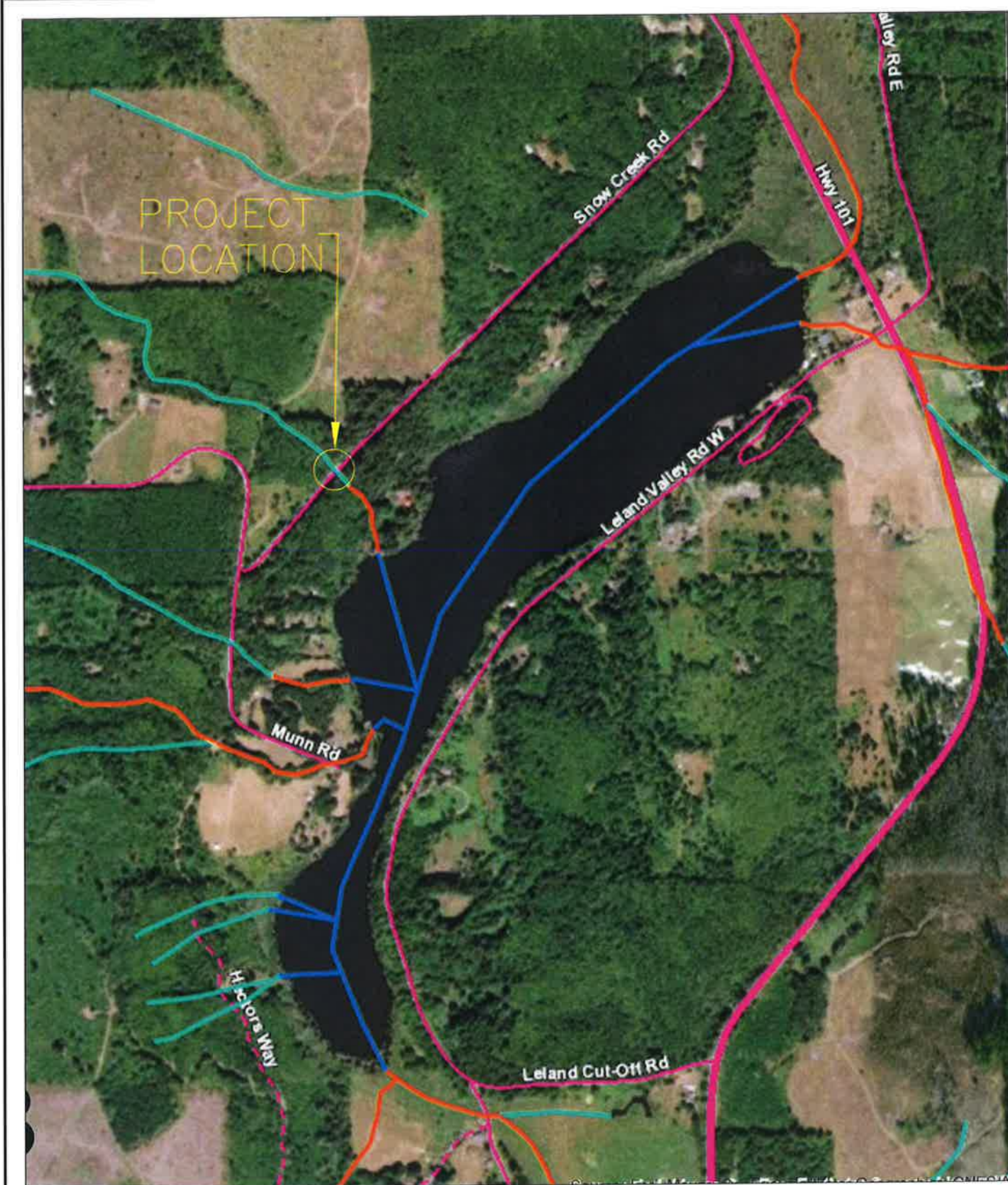
Each bid shall be accompanied by a surety bond, postal money order, cash, cashiers check or certified check payable to the Treasurer of Jefferson County in the sum of five (5%) percent of the bid amount, to be forfeited to Jefferson County by the successful bidder if he/she fails to enter into a contract and file an acceptable surety bond in the amount of 100% of the contract price within ten (10) days of the award. The Board of County Commissioners reserves the right to reject any and all bids, and to accept the bid deemed most advantageous to Jefferson County, and to waive all informalities in the bidding.

The Jefferson County Public Works in accordance with Title VI of the Civil Rights Act of 1964 (78 Stat. 252.42 U.S.C. 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

Dated this _____ day of _____, 2023.

BOARD OF JEFFERSON COUNTY COMMISSIONERS

Chair



VICINITY MAP

CALL 811
BEFORE YOU DIG

DESIGNED BY: MARK THURSTON	10/2022			
DRAFTED BY: MARK THURSTON	10/2022			
CHECKED BY: ERIC KUZMA	10/2022			
PROJ. ENGR.: MARK THURSTON				
	DATE	REVISION	DATE	BY



2/7/23
APPROVAL DATE



SNOW CREEK ROAD M.P. 0.84 CULVERT REPLACEMENT
COUNTY ROAD PROJECT 18020310
COUNTY ROAD NO. 352909
JEFFERSON COUNTY, WASH.
SHEET INDEX AND VICINITY MAP

SHEET
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OF
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SHEETS

CONTRACT PLANS
COUNTY ROAD PROJECT 18020310
FEMA HAZARD MITIGATION GRANT NO. D21-031
SNOW CREEK ROAD M.P. 0.84
CULVERT REPLACEMENT
COUNTY ROAD NUMBER 352909
JEFFERSON COUNTY, WASHINGTON

MONTE REINDERS, PE, JEFFERSON COUNTY ENGINEER

2/7/23
APPROVAL DATE

CHAIR
JEFFERSON COUNTY BOARD OF COUNTY COMMISSIONERS

APPROVAL DATE

SHEET INDEX

SHEET NO.	TITLE
1	SHEET INDEX AND VICINITY MAP
2	EXISTING CONDITIONS PLAN
3	ROADWAY PLAN AND PROFILE
4	CULVERT PLAN
5	CULVERT PROFILE
6	CULVERT TYPICAL CROSS-SECTIONS
7	MISCELLANEOUS DETAILS
8	TEMPORARY TRAFFIC CONTROL PLAN
9	STREAM DIVERSION AND T.E.S.C. PLAN
10	PLANTING AND SITE RESTORATION PLAN
11	RIGHT OF WAY PLAN

A PORTION OF SECTION 23 AND 26, T. 28 N., R. 2 W., W.M.

VERTICAL DATUM:

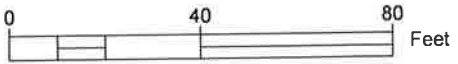
ASSUMED ELEVATION OF 525.00' ON TOP OF A DNR MONUMENT
INSIDE A MONUMENT CASE AT THE SOUTH 1/4 CORNER SECTION 23
TOWNSHIP 28 NORTH, RANGE 2 WEST, W.M.

BASIS OF BEARINGS:

S 89°32'03" W BETWEEN THE SOUTH 1/4 CORNER SECTION 23
AND THE EAST 1/16 CORNER ON THE SOUTH LINE OF SECTION 23,
TOWNSHIP 28 NORTH, RANGE 2 WEST, W.M., AS SHOWN ON
VOLUME 36 OF SURVEYS, PAGE 239, RECORDS OF
JEFFERSON COUNTY, WASHINGTON.

POPE RESOURCES
A.P.N. 802-234-001

POPE RESOURCES
A.P.N. 802-234-001



EDGE OF RIGHT
OF WAY

EXISTING 24-INCH
DIAMETER CMP CULVERT

EDGE OF RIGHT
OF WAY

SNOW CREEK ROAD

EDGE OF RIGHT
OF WAY

THE STILL WATER TRUST
A.P.N. 802-261-001

EDGE OF RIGHT
OF WAY

ROY ROBERT RIDDERBUSCH
A.P.N. 802-234-003

THE STILL WATER TRUST
A.P.N. 802-261-001

PROJECT CONTROL

- 1) SET A 1/2" DIAM. REBAR WITH PLASTIC SURVEY CAP
ON THE SOUTH EDGE OF PAVEMENT OF SNOW CREEK RD.
APPROX. 8.5' NORTHERLY OF UTILITY POLE WITH A TAG
MARKED "2UP-40"
N = 9678.55'
E = 10921.40'
ELEV. = 323.45'
- 2) SET A 1/2" DIAM. REBAR WITH PLASTIC SURVEY CAP
ON THE NORTH EDGE OF PAVEMENT OF SNOW CREEK RD.
APPROX. 33.8' NORTHERLY OF UTILITY POLE WITH A TAG
MARKED "5UP-40"
N = 10367.78'
E = 11527.60'
ELEV. = 315.61'

- LEGEND: (EXCEPT AS OTHERWISE INDICATED)
- EDGE OF RIGHT OF WAY
 - CENTER RIGHT OF WAY LINE
 - SECTION SUBDIVISION LINE
 - PARCEL LINE
 - ASBUILT CENTERLINE
 - EDGE OF PAVEMENT
 - EDGE OF GRAVEL
 - DITCH LINE / EDGE OF CREEK
 - CREEK THALWEG LINE
 - OVERHEAD POWER LINE
 - UNDERGROUND TELEPHONE LINE
 - GROUND BREAK LINE
 - INDEX CONTOUR (10 FOOT INTERVAL)
 - CONTOUR (2 FOOT INTERVAL)
 - DECIDUOUS TREE, (TRUNK DIAMETER AND SPECIES IF KNOWN)
 - CONIFEROUS TREE, (TRUNK DIAMETER AND SPECIES IF KNOWN)
 - MAILBOX
 - UTILITY POLE
 - GUY WIRE ANCHOR
 - TELEPHONE RISER
 - SIGN
 - 3" DIAM. BRASS CAP MARKED "CROWN ZELLERBACH PROPERTY CORNER LS 12223 1980"
 - 5/8" DIAM. REBAR WITH PLASTIC SURVEY CAP MARKED "CLARK 38966"
 - 5/8" DIAM. REBAR WITH PLASTIC SURVEY CAP MARKED "A. WOOD LS 23911"

CALL 811
BEFORE YOU DIG

EXISTING CONDITIONS PLAN

DESIGNED BY: MARK THURSTON	10/2022			
DRAFTED BY: MARK THURSTON	10/2022			
CHECKED BY: ERIC KUZMA	11/2022			
PROJ. ENGR.: MARK THURSTON				
DATE	REVISION	DATE	BY	



2/2/23
APPROVAL DATE



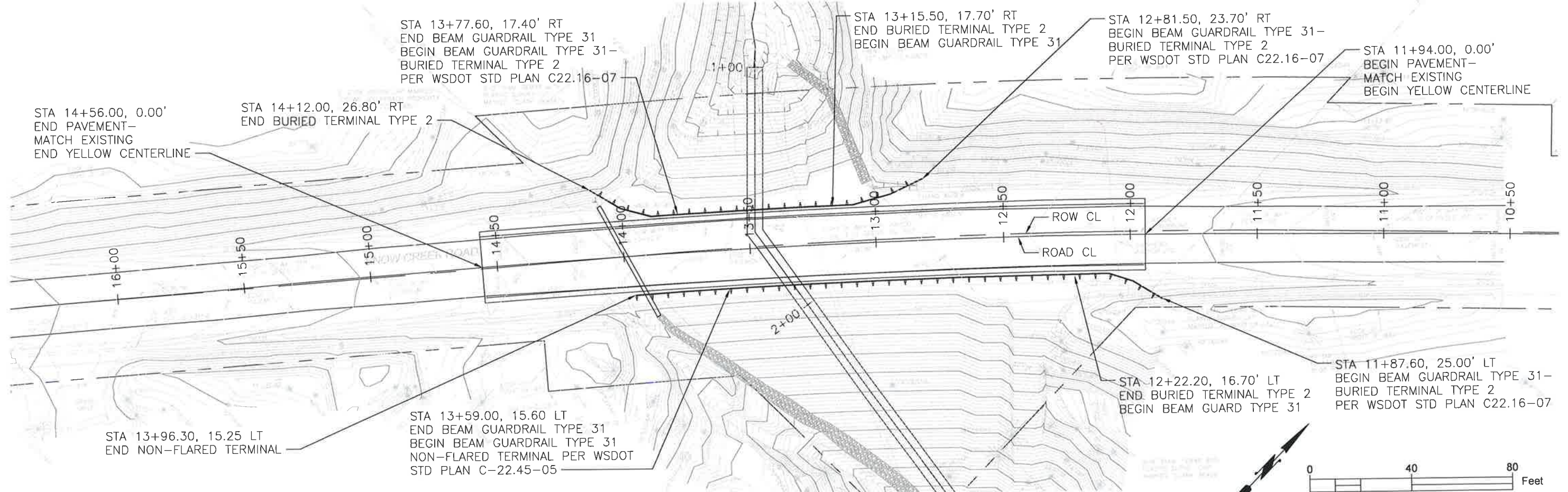
JEFFERSON COUNTY
DEPARTMENT OF PUBLIC WORKS

SNOW CREEK ROAD MP 0.84 CULVERT REPLACEMENT
COUNTY ROAD PROJECT 18020310
COUNTY ROAD NO. 352909
JEFFERSON COUNTY, WASH.

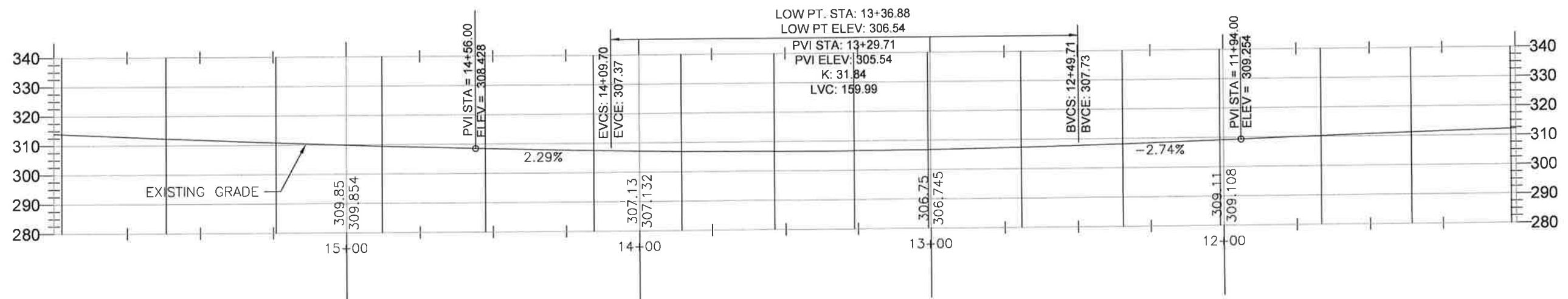
EXISTING CONDITIONS AND SURVEY CONTROL PLAN

SHEET
2
OF
11
SHEETS

A PORTION OF SECTION 23 AND 26, T. 28 N., R. 2 W., W.M.



PLAN



PROFILE

CALL 811
BEFORE YOU DIG

DESIGNED BY: MARK THURSTON	10/2022			
DRAFTED BY: MARK THURSTON	10/2022			
CHECKED BY: ERIC KUZMA	11/2022			
PROJ. ENGR.: MARK THURSTON				
DATE	REVISION	DATE	BY	



7/7/23
APPROVAL DATE



JEFFERSON COUNTY
DEPARTMENT OF PUBLIC WORKS

SNOW CREEK ROAD MP 0.84 CULVERT REPLACEMENT
COUNTY ROAD PROJECT 18020310
COUNTY ROAD NO. 352909
JEFFERSON COUNTY, WASH.
ROADWAY PLAN AND PROFILE

SHEET
3
OF
11
SHEETS

A PORTION OF SECTION 23 AND 26, T. 28 N., R. 2 W., W.M.

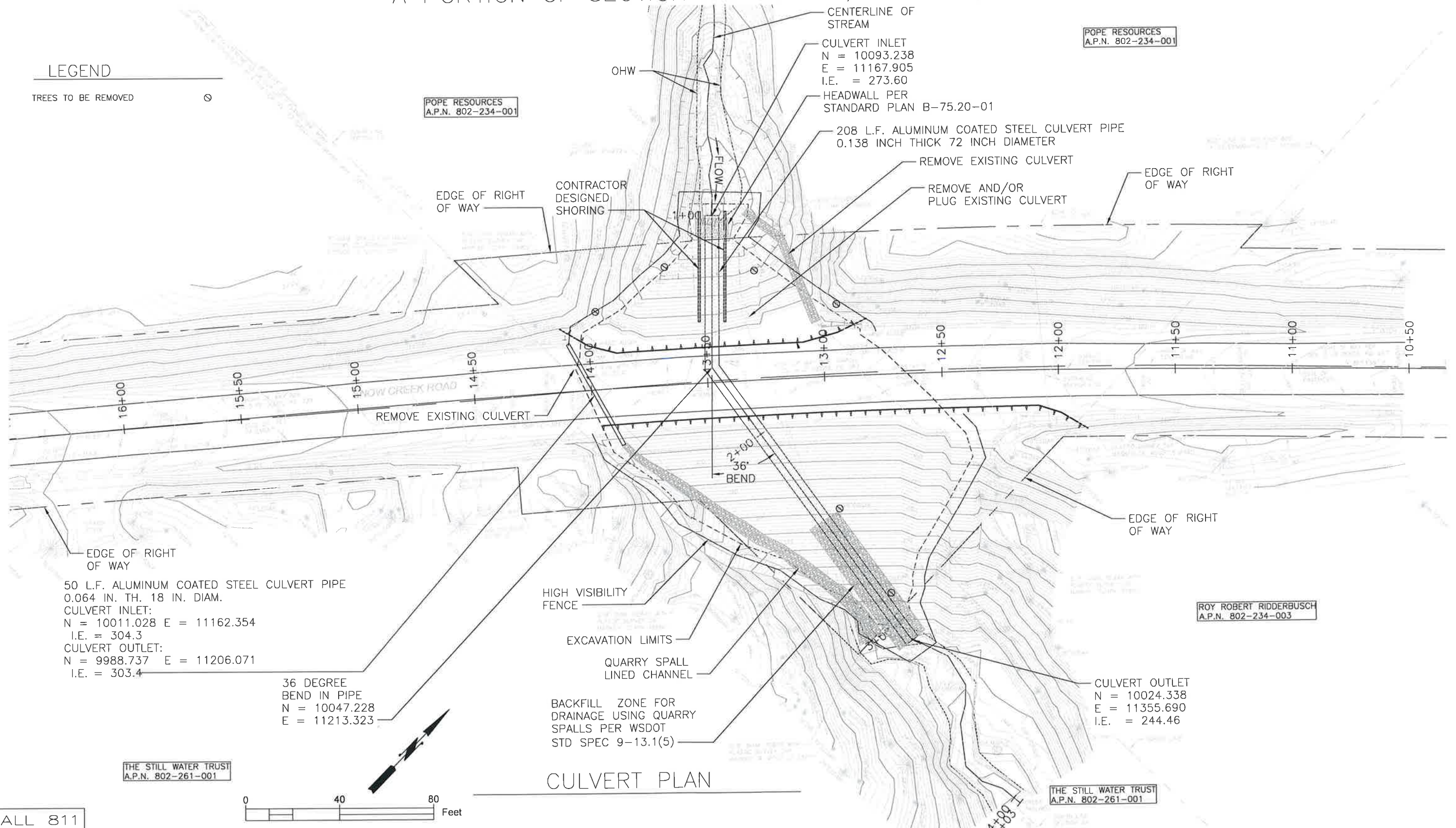
LEGEND

TREES TO BE REMOVED



POPE RESOURCES
A.P.N. 802-234-001

POPE RESOURCES
A.P.N. 802-234-001



CALL 811
BEFORE YOU DIG

THE STILL WATER TRUST
A.P.N. 802-261-001

0 40 80 Feet

CULVERT PLAN

THE STILL WATER TRUST
A.P.N. 802-261-001

DESIGNED BY: MARK THURSTON
DRAFTED BY: MARK THURSTON
CHECKED BY: ERIC KUZMA
PROJ. ENGR.: MARK THURSTON

10/2022
10/2022
11/2022

DATE

REVISION

DATE

BY



2/1/23
APPROVAL DATE

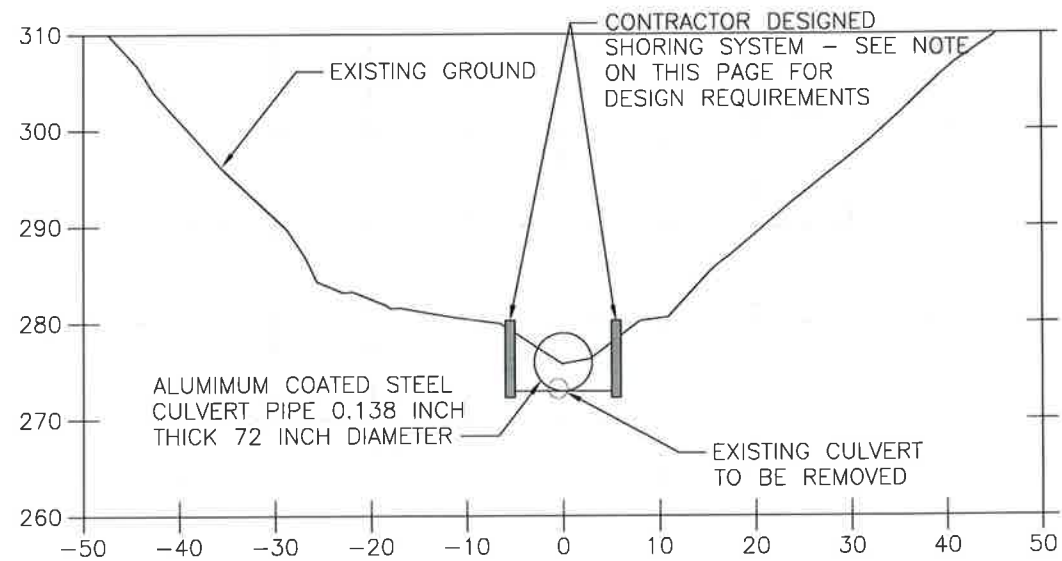


JEFFERSON COUNTY
DEPARTMENT OF PUBLIC WORKS

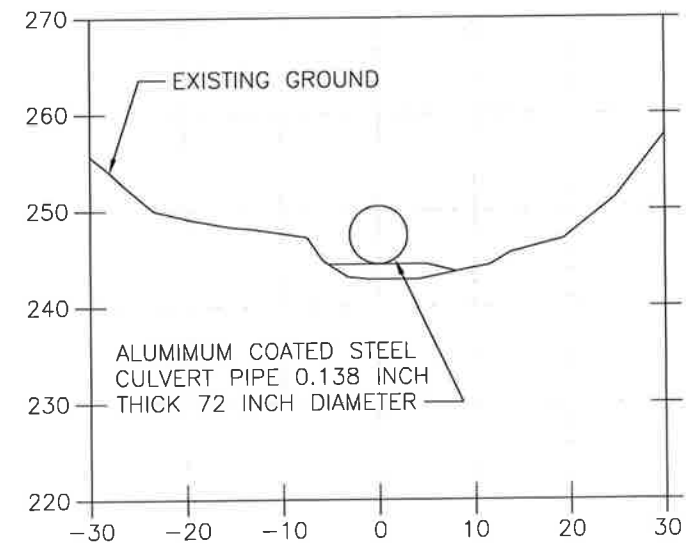
SNOW CREEK ROAD MP 0.84 CULVERT REPLACEMENT
COUNTY ROAD PROJECT 18020310
COUNTY ROAD NO. 352909
JEFFERSON COUNTY, WASH.

CULVERT PLAN

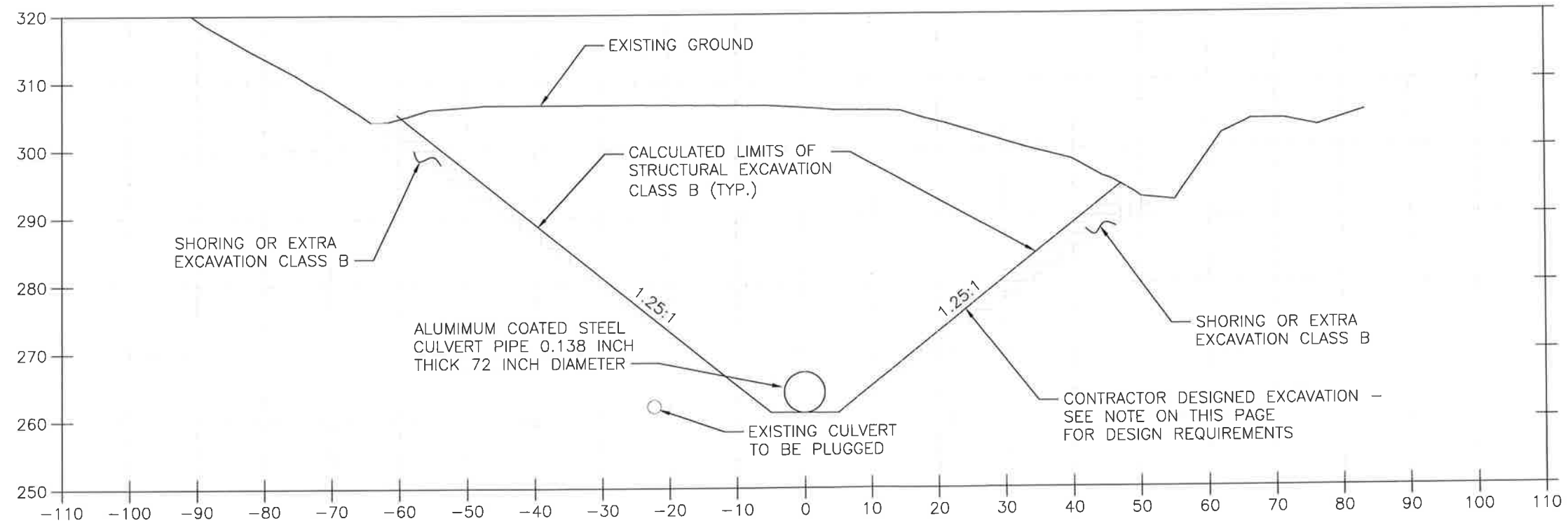
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OF
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SHEETS



TYPICAL CROSS SECTION AT CULVERT INLET



TYPICAL CROSS SECTION AT CULVERT OUTLET



TYPICAL CROSS SECTION AT ROAD CENTERLINE

NOTES:

- EXCAVATION SIDE SLOPES OF 1.25:1 ARE SHOWN SOLEY FOR DEFINITION OF STRUCTURAL EXCAVATION CLASS B PAY LIMITS. THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT TYPE 2E WORKING DRAWINGS WITH SUPPORTING CALCULATIONS FOR THE EXCAVATION DESIGN, IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS SECTION 2-09.3(4), SECTION 2-09.3(3)B, AND WAC 296-155 PART N.
- SHORING IS SHOWN SOLEY FOR DEFINITION OF STRUCTURAL EXCAVATION CLASS B PAY LIMITS. THE AGENCY HAS ASSUMED INSTALLATION OF 8-FOOT HIGH SHORING BETWEEN CULVERT STATION 0+98 AND CULVERT STATION 1+45. THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT TYPE 2E WORKING DRAWINGS WITH SUPPORTING CALCULATIONS FOR ANY PROPOSED SHORING SYSTEMS, IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS SECTION 2-09.3(4) AND SECTION 2-09.3(3)D.

CALL 811
BEFORE YOU DIG

NOTE: SECTION VIEWS ARE
LOOKING DOWNSTREAM

DESIGNED BY: MARK THURSTON	10/2022			
DRAFTED BY: MARK THURSTON	10/2022			
CHECKED BY: ERIC KUZMA	11/2022			
PROJ. ENGR.: MARK THURSTON				
DATE	REVISION	DATE	BY	



2/7/23
APPROVAL DATE

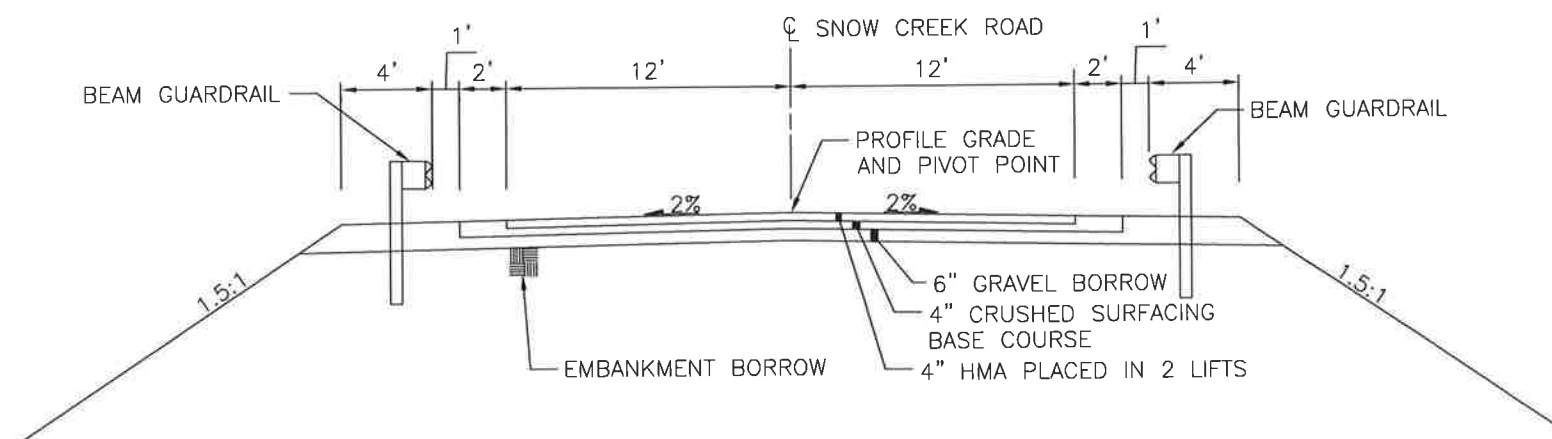


JEFFERSON COUNTY
DEPARTMENT OF PUBLIC WORKS

SNOW CREEK ROAD MP 0.84 CULVERT REPLACEMENT
COUNTY ROAD PROJECT 18020310
COUNTY ROAD NO. 352909
JEFFERSON COUNTY, WASH.

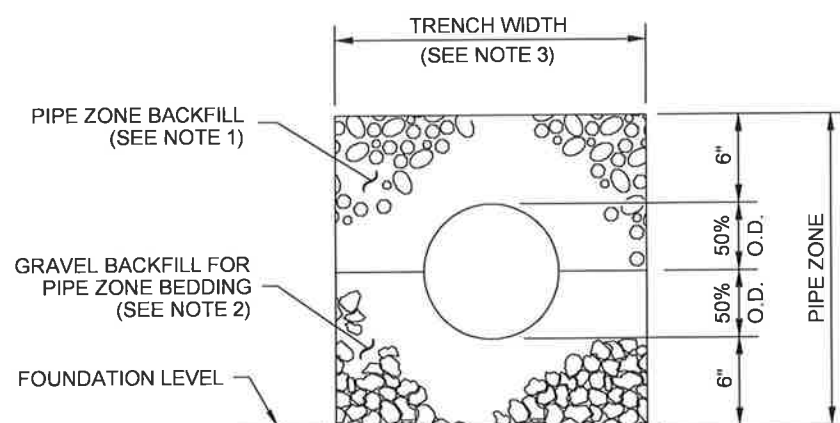
CULVERT TYPICAL CROSS SECTIONS

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ROADWAY TYPICAL SECTION

NTS

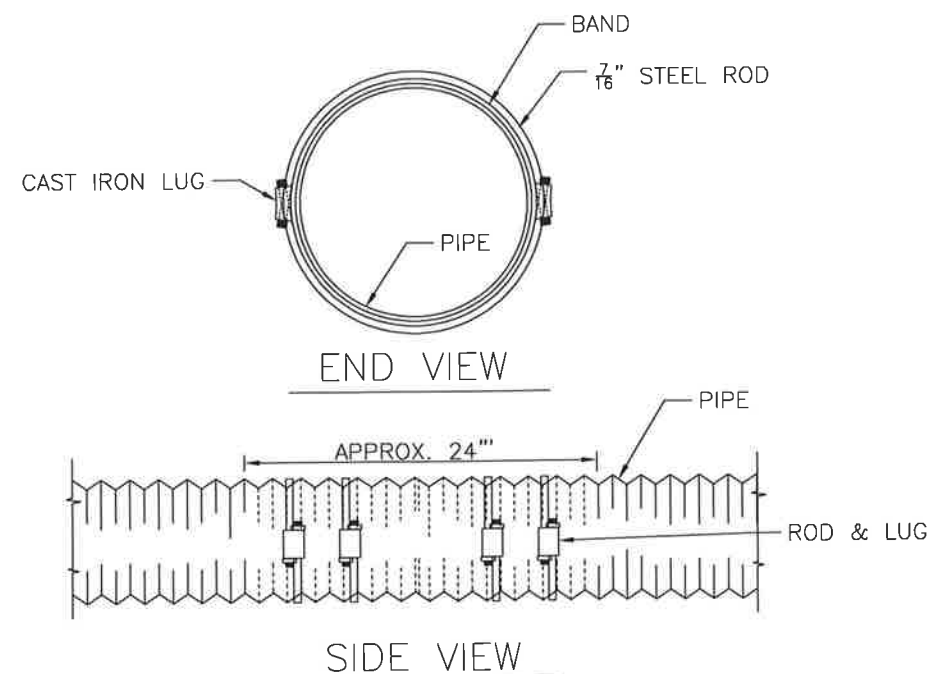


NOTES

1. See **Standard Specifications Section 7-08.3(3)** for Pipe Zone Backfill.
2. See **Standard Specifications Section 9-03.12(3)** for Gravel Backfill for Pipe Zone Bedding.

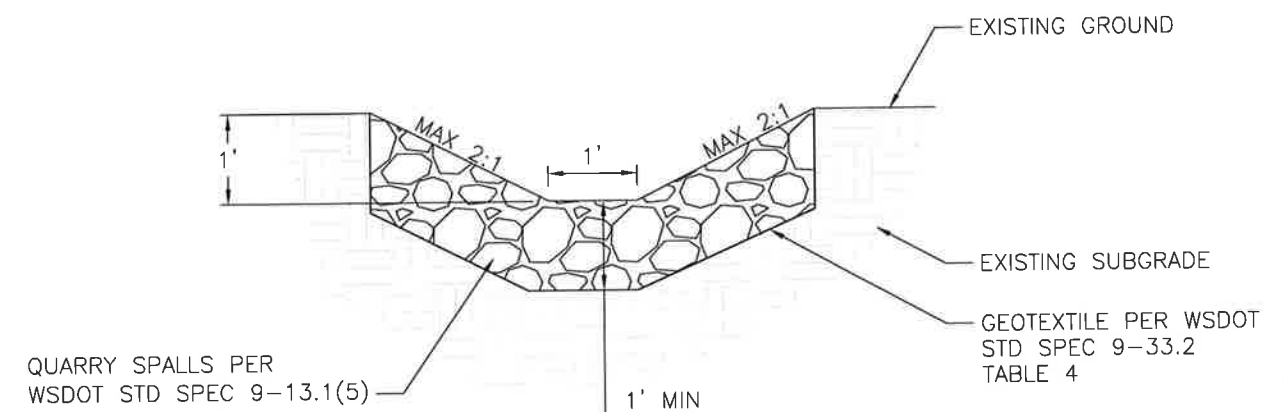
PIPE ZONE BACKFILL

NTS



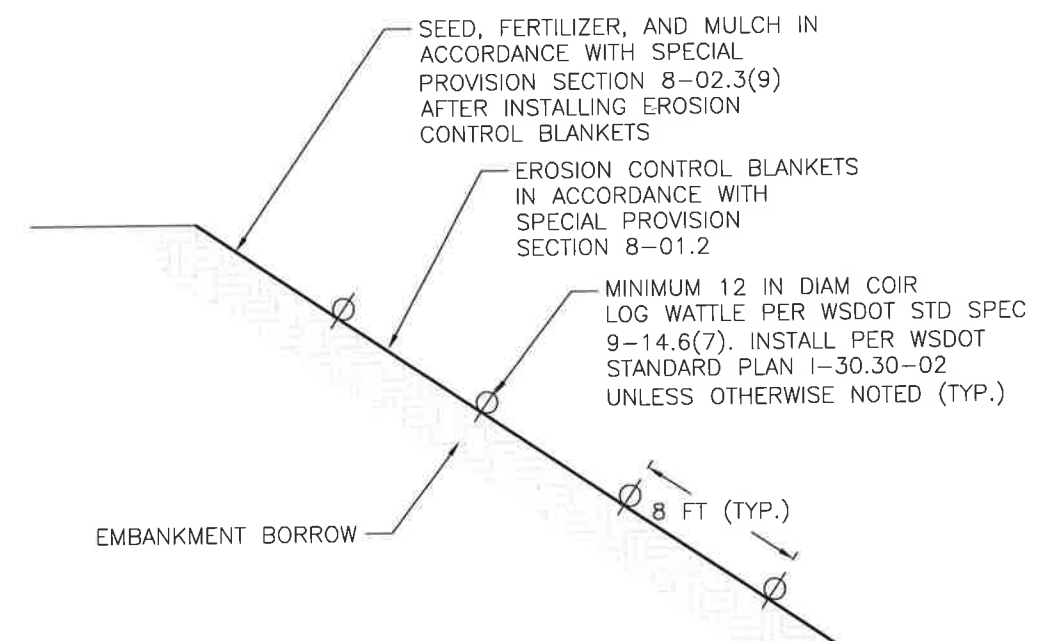
ROD AND LUG CONNECTION

NTS



QUARRY SPALL LINED CHANNEL

NTS



EROSION CONTROL SLOPE DETAIL

NTS

CALL 811
BEFORE YOU DIG

DESIGNED BY: MARK THURSTON	10/2022			
DRAFTED BY: MARK THURSTON	10/2022			
CHECKED BY: ERIC KUZMA	11/2022			
PROJ. ENGR.: MARK THURSTON				
DATE	REVISION	DATE	BY	



2/7/23
APPROVAL DATE



JEFFERSON COUNTY
DEPARTMENT OF PUBLIC WORKS

SNOW CREEK ROAD MP 0.84 CULVERT REPLACEMENT
COUNTY ROAD PROJECT 18020310
COUNTY ROAD NO. 352909
JEFFERSON COUNTY, WASH.
MISCELLANEOUS DETAILS

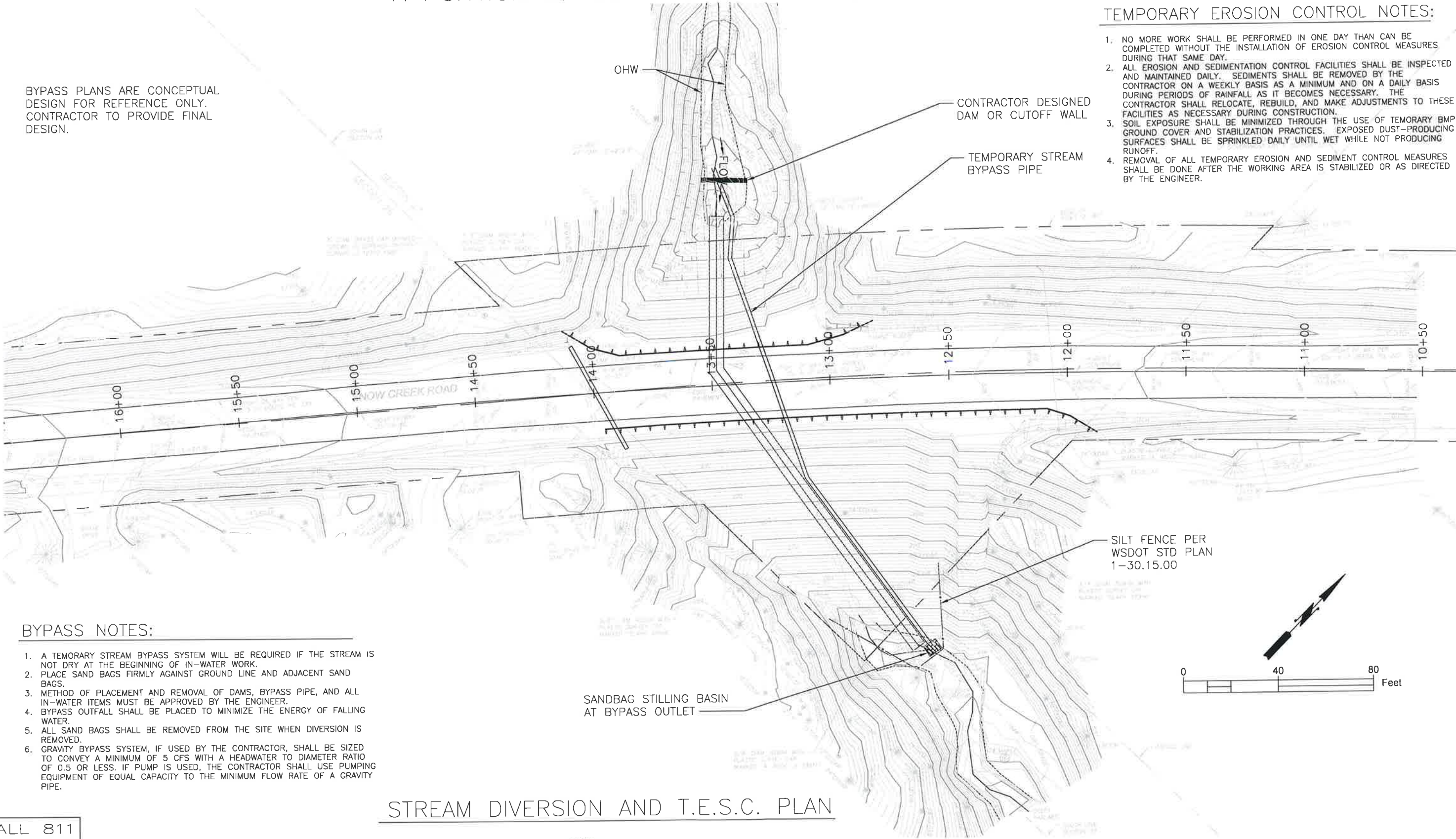
SHEET
7
OF
11
SHEETS

A PORTION OF SECTION 23 AND 26, T. 28 N., R. 2 W., W.M.

TEMPORARY EROSION CONTROL NOTES:

1. NO MORE WORK SHALL BE PERFORMED IN ONE DAY THAN CAN BE COMPLETED WITHOUT THE INSTALLATION OF EROSION CONTROL MEASURES DURING THAT SAME DAY.
2. ALL EROSION AND SEDIMENTATION CONTROL FACILITIES SHALL BE INSPECTED AND MAINTAINED DAILY. SEDIMENTS SHALL BE REMOVED BY THE CONTRACTOR ON A WEEKLY BASIS AS A MINIMUM AND ON A DAILY BASIS DURING PERIODS OF RAINFALL AS IT BECOMES NECESSARY. THE CONTRACTOR SHALL RELOCATE, REBUILD, AND MAKE ADJUSTMENTS TO THESE FACILITIES AS NECESSARY DURING CONSTRUCTION.
3. SOIL EXPOSURE SHALL BE MINIMIZED THROUGH THE USE OF TEMPORARY BMP GROUND COVER AND STABILIZATION PRACTICES. EXPOSED DUST-PRODUCING SURFACES SHALL BE SPRINKLED DAILY UNTIL WET WHILE NOT PRODUCING RUNOFF.
4. REMOVAL OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DONE AFTER THE WORKING AREA IS STABILIZED OR AS DIRECTED BY THE ENGINEER.

BYPASS PLANS ARE CONCEPTUAL
DESIGN FOR REFERENCE ONLY.
CONTRACTOR TO PROVIDE FINAL
DESIGN.



BYPASS NOTES:

1. A TEMPORARY STREAM BYPASS SYSTEM WILL BE REQUIRED IF THE STREAM IS NOT DRY AT THE BEGINNING OF IN-WATER WORK.
2. PLACE SAND BAGS FIRMLY AGAINST GROUND LINE AND ADJACENT SAND BAGS.
3. METHOD OF PLACEMENT AND REMOVAL OF DAMS, BYPASS PIPE, AND ALL IN-WATER ITEMS MUST BE APPROVED BY THE ENGINEER.
4. BYPASS OUTFALL SHALL BE PLACED TO MINIMIZE THE ENERGY OF FALLING WATER.
5. ALL SAND BAGS SHALL BE REMOVED FROM THE SITE WHEN DIVERSION IS REMOVED.
6. GRAVITY BYPASS SYSTEM, IF USED BY THE CONTRACTOR, SHALL BE SIZED TO CONVEY A MINIMUM OF 5 CFS WITH A HEADWATER TO DIAMETER RATIO OF 0.5 OR LESS. IF PUMP IS USED, THE CONTRACTOR SHALL USE PUMPING EQUIPMENT OF EQUAL CAPACITY TO THE MINIMUM FLOW RATE OF A GRAVITY PIPE.

STREAM DIVERSION AND T.E.S.C. PLAN

CALL 811
BEFORE YOU DIG

DESIGNED BY: MARK THURSTON	10/2022			
DRAFTED BY: MARK THURSTON	10/2022			
CHECKED BY: ERIC KUZMA	11/2022			
PROJ. ENGR.: MARK THURSTON				
DATE	REVISION	DATE	BY	



2/7/23
APPROVAL DATE

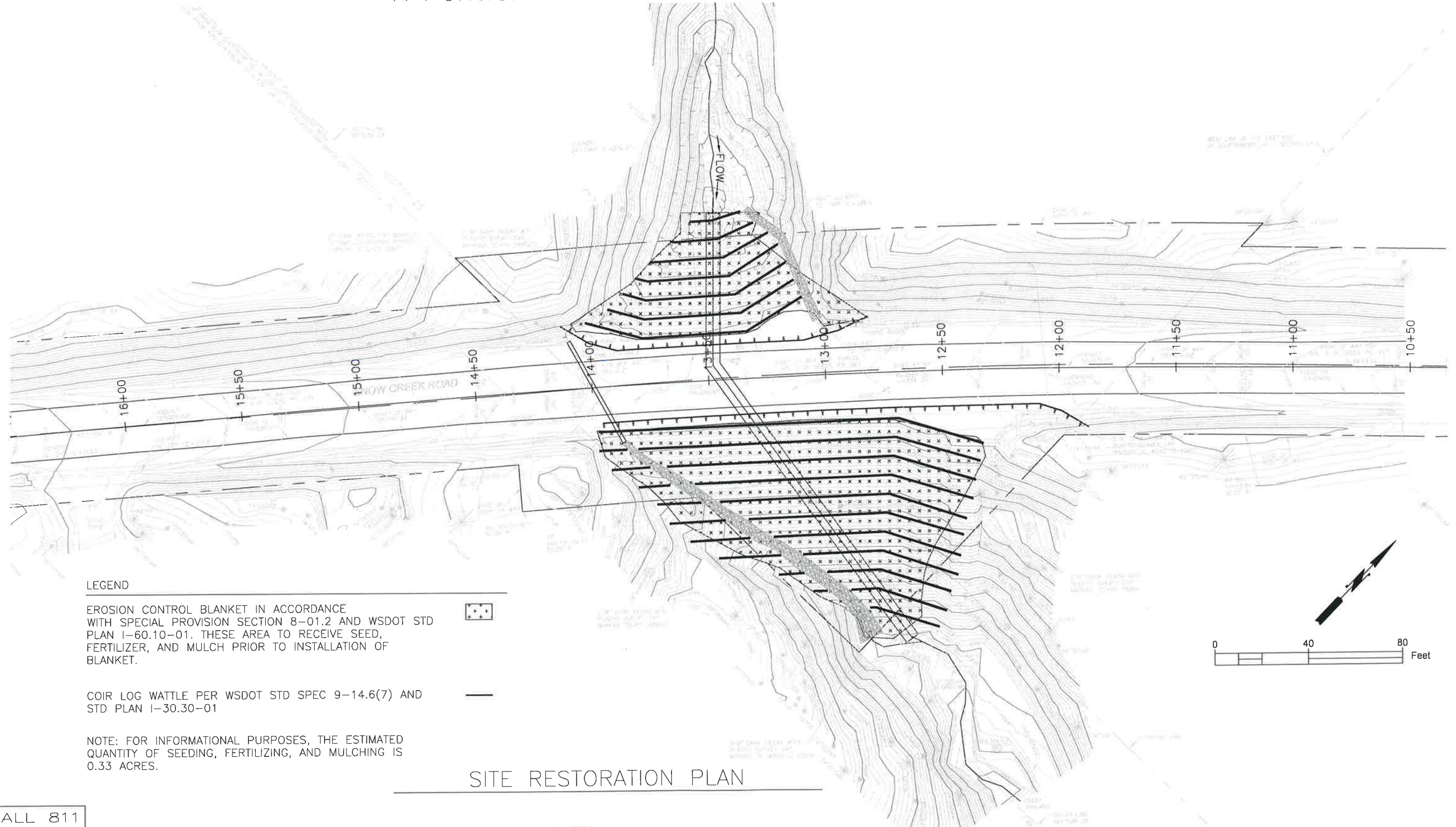


JEFFERSON COUNTY
DEPARTMENT OF PUBLIC WORKS

SNOW CREEK ROAD MP 0.84 CULVERT REPLACEMENT
COUNTY ROAD PROJECT 18020310
COUNTY ROAD NO. 352909
JEFFERSON COUNTY, WASH.

STREAM DIVERSION AND T.E.S.C. PLAN

A PORTION OF SECTION 23 AND 26, T. 28 N., R. 2 W., W.M.



LEGEND

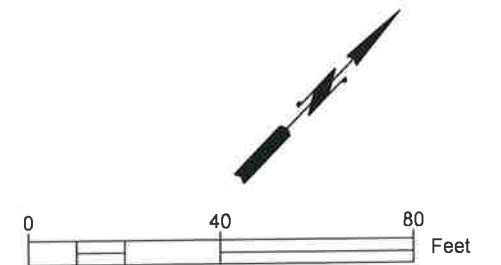
EROSION CONTROL BLANKET IN ACCORDANCE WITH SPECIAL PROVISION SECTION 8-01.2 AND WSDOT STD PLAN I-60.10-01. THESE AREA TO RECEIVE SEED, FERTILIZER, AND MULCH PRIOR TO INSTALLATION OF BLANKET.



COIR LOG WATTLE PER WSDOT STD SPEC 9-14.6(7) AND STD PLAN I-30.30-01



NOTE: FOR INFORMATIONAL PURPOSES, THE ESTIMATED QUANTITY OF SEEDING, FERTILIZING, AND MULCHING IS 0.33 ACRES.



SITE RESTORATION PLAN

CALL 811
BEFORE YOU DIG

DESIGNED BY: MARK THURSTON	10/2022			
DRAFTED BY: MARK THURSTON	10/2022			
CHECKED BY: ERIC KUZMA	11/2022			
PROJ. ENGR.: MARK THURSTON				
	DATE	REVISION	DATE	BY



2/7/23
APPROVAL DATE



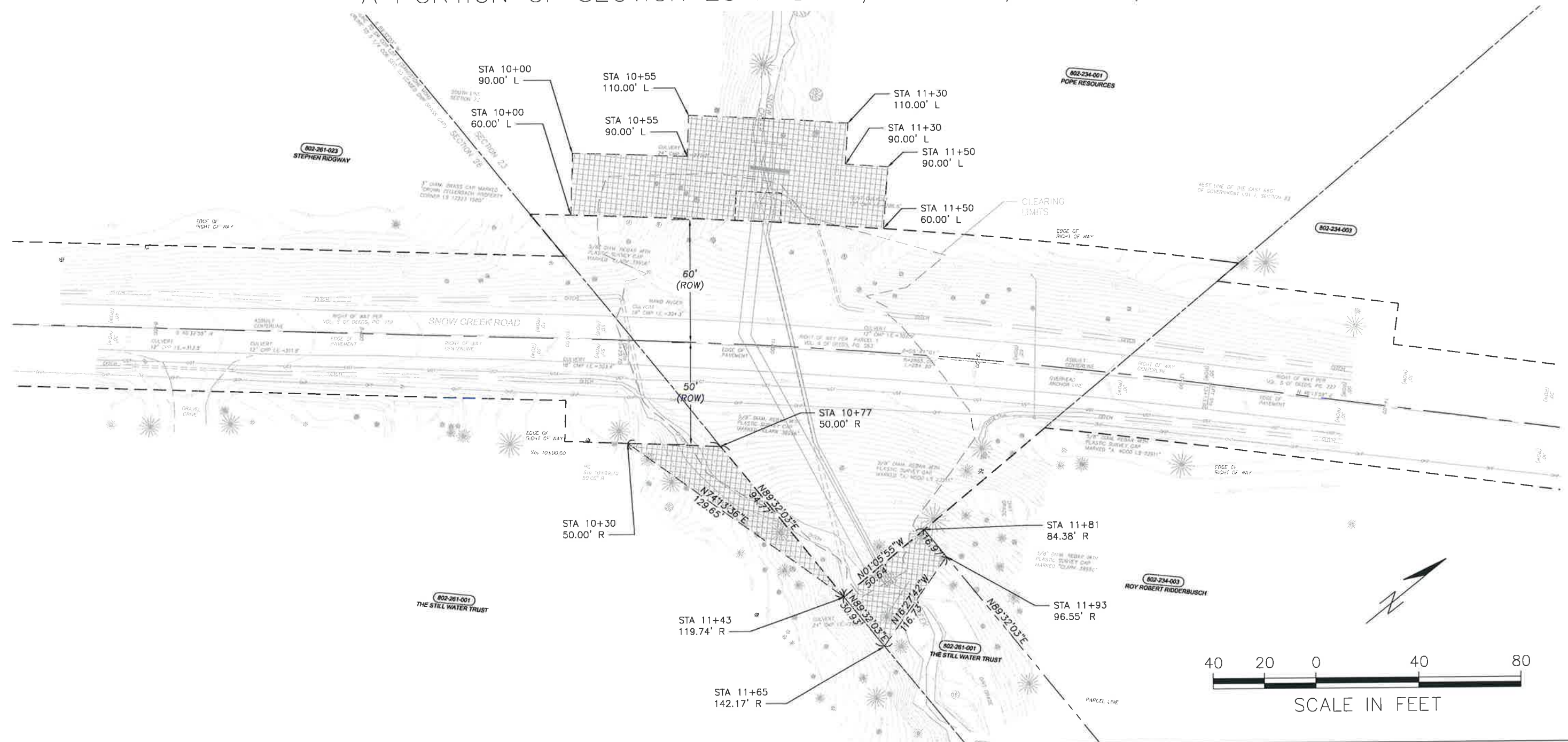
JEFFERSON COUNTY
DEPARTMENT OF PUBLIC WORKS

SNOW CREEK ROAD MP 0.84 CULVERT REPLACEMENT
COUNTY ROAD PROJECT 18020310
COUNTY ROAD NO. 352909
JEFFERSON COUNTY, WASH.

SITE RESTORATION PLAN

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OF
11
SHEETS

A PORTION OF SECTION 23 AND 26, T. 28 N., R. 2 W., W.M.



SECTION 23 AND 26, T28N, R2W, W.M.					
PARCEL NO.	NAME	TOTAL AREA	R/W	REMAINDER	REMARKS
802234001	POPE RESOURCES	193.28 AC.+/-	0.14 AC.+/-	193.14 AC.+/-	TEMPORARY CONSTRUCTION EASEMENT
802261001	THE STILL WATER TRUST	8.23 AC.+/-	0.07 AC.+/-	8.16 AC.+/-	TEMPORARY CONSTRUCTION EASEMENT

OWNERSHIPS



SURVEY CONTROL POINTS				
DESCRIPTION	NORTHING	EASTING	ELEVATION	NOTES
2UP-40	9678.55	10921.40	323.45	1" DIAM. REBAR WITH PLASTIC SURVEY CAP ON THE SOUTH EDGE OF PAVEMENT OF SNOW CREEK RD. APPROX. 8.5' NORTHERLY OF UTILITY POLE WITH A TAG MARKED "2UP-40"
5UP-40	10367.78	11527.60	315.61	1" DIAM. REBAR WITH PLASTIC SURVEY CAP ON THE NORTH EDGE OF PAVEMENT OF SNOW CREEK RD. APPROX. 33.8' NORTHERLY OF UTILITY POLE WITH A TAG MARKED "SUP-40"

LEGEND		
PAINTED CENTERLINE		ASSESSOR'S PARCEL NUMBER
RIGHT OF WAY CENTERLINE		
EXISTING RIGHT OF WAY		TEMPORARY EASEMENT AREA
USAGE RIGHT OF WAY		
PROPOSED TEMPORARY EASEMENT BOUNDARY		

DESIGNED BY: M.THURSTON	12/21			
DRAFTED BY: M.THURSTON	12/21			
CHECKED BY:				
PROJ. ENGR.:				
	DATE	REVISION	DATE	BY



JEFFERSON COUNTY
DEPARTMENT OF PUBLIC WORKS

SNOW CREEK ROAD MP 0.84 CULVERT REPLACEMENT COUNTY ROAD PROJECT 18020310 COUNTY ROAD NO. 352909 JEFFERSON COUNTY, WASH.
RIGHT OF WAY PLAN

RW 1

SHEET
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SHEETS