



Wildwood Road MP 10.14 Bridge Scour Repair Project

Stream and Shoreline Vegetation Restoration Plan

Submitted to:

**Lewis County Public Works
57 West Main Street
Chehalis, WA 98532**

Prepared by:

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June 23, 2026

Project No. 21588.B

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Section 1. Introduction

1.1 Project Description and Location

Lewis County Department of Public Works (County) is planning the Wildwood Road MP 10.14 Bridge Scour Repair Project (Project). The 124-foot three span bridge was originally constructed in 1955 and is currently classified as scour critical. The project intends to complete necessary repairs to the bridge in order to maintain vehicular access and protect public safety along Wildwood Road.

The project will involve the need to excavate the channel bed under and near the bridge to place appropriate riprap protection for the piers and banks. Mitigation for these disturbances will be achieved via the placement of large woody material log jams upstream and downstream of the bridge and filling riprap voids with blended streambed aggregate to optimize streambed habitat post-project.

The project is located on Wildwood Road at the crossing of the South Fork Chehalis River in unincorporated Lewis County, Washington. It is located in Section 24, Township 12 North, Range 4 West, in Water Resource Inventory Area (WRIA) 23 – Upper Chehalis. The project area generally includes areas along Wildwood Road within 100 feet of the South Fork Chehalis River bridge. Land abutting the project area includes agricultural and undeveloped areas. The South Fork Chehalis River flows through the project area from southwest to northeast passing under Wildwood Road at mile post (MP) 10.14. The project area is within the 100-year floodplain of the South Fork Chehalis River.

1.2 Existing Conditions

Otak biologists conducted field investigations on December 3, 2024. The study area for this project included areas along both sides of Wildwood Road and South Fork Chehalis River, upstream and downstream of Bridge No. 03. Areas immediately beyond the study area were also visually assessed to identify any wetlands and streams with buffers that could extend into the study area.

Utilizing techniques and methods published in the 1987 US Army Corps of Engineers (USACE) Wetlands Delineation Manual (USACE 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0) (USACE 2010), no wetlands were observed in the project study area or in the adjacent areas.

One watercourse, the South Fork Chehalis River, was identified in the study area. The South Fork Chehalis River is a Type S (Shoreline of the State) stream with an assigned buffer of 0 feet per the Lewis County Shoreline Master Program (Table 4-1, Section 4.04.02). Vegetation in the project area is dominated by invasive species along the riverbanks including Himalayan blackberry (*Rubus armeniacus*) and reed canarygrass (*Phalaris arundinacea*), with sparse cover by typical upland species including big-leaf maple (*Acer macrophyllum*), Douglas-fir (*Pseudotsuga menziesii*), red-stem dogwood (*Cornus sericea*), snowberry (*Symphoricarpos albus*), and Nootka rose (*Rosa nutkana*). Pastures and maintained lawn areas are located west of the bridge. Within the project area, there are steep slopes adjacent to the South Fork Chehalis River.

The project is located within the 100-year floodplain of the South Fork Chehalis River. The project area is within the Rural Conservancy Shoreline Environment Designation per the Lewis County Shoreline Master Program.

Section 2. Mitigation Sequencing and Restoration Plan

2.1 Mitigation Sequencing

The scour countermeasures for the Wildwood Road MP 10.14 Bridge will occur within the OHWM of the South Fork Chehalis River, within its 100-year floodplain, and within shoreline jurisdiction. All work will occur during the WDFW-approved in-water work window, anticipated to be from August 1 to September 30.

As required per LCC 17.38.080 (General Mitigation Requirements) and LCC 17.38.510 (Fish and wildlife habitat mitigation plan), the project has been designed to mitigate impacts to the South Fork Chehalis River in the following prioritized order:

- Avoiding the adverse impact altogether by not taking a certain action or parts of an action, or by moving the action
- Minimizing adverse impacts by limiting the degree or magnitude of the action and its implementation by using appropriate technology and engineering, or by taking affirmative steps to avoid or reduce adverse impacts
- Rectifying the adverse impact by repairing, rehabilitating or restoring the affected environment
- Reducing or eliminating the adverse impact over time by preservation and maintenance operations during the life of the action
- Compensating for the adverse impact by replacing, enhancing, or providing similar substitute resources or environments, monitoring any adverse impact and mitigation, and taking appropriate corrective or adaptive management measures
- Monitoring the impact and taking appropriate corrective measures

Avoidance and Minimization

Impacts to the South Fork Chehalis River have been minimized to the extent practicable. Construction Best Management Practices (BMPs) and temporary erosion and sediment control (TESC) measures will be employed to minimize impacts. Clearing limits will be established using high visibility temporary silt fencing. Equipment staging will occur within upland areas adjacent to the road to minimize temporary impacts to vegetation. Construction entrances have been located to avoid tree removal. Site preparation activities are shown on Sheets 3, 10 and 11 of the JARPA drawings (Appendix B).

A temporary gravity-fed stream bypass system will be installed prior to installing the scour countermeasures to protect water quality. Gravel bags or similar material will be placed across the channel upstream and downstream of the work area, and a stream bypass pipe installed to convey the river water through the work area. Within the work area, sediment-laden seepage and groundwater will be pumped out of the construction area and discharged upslope of the river through filter bags and discharged downstream outside of the work area. Fish moving will be completed for the work area prior to dewatering. Dewatering of the work area shall occur at a rate slow enough to allow for the safe capture and relocation of fish to avoid stranding. Approximately 6,964 SF of South Fork Chehalis River will be temporarily impacted from dewatering as shown on Sheet 14 of the JARPA drawings (Appendix B).

Temporary and permanent vegetation clearing within riparian areas is unavoidable because installation of the scour countermeasures requires access through riparian habitat and protection of the bridge piers and abutments. Impacts to vegetation in shoreline jurisdiction have been minimized to the extent practicable. Approximately 8,093 SF of shoreline vegetation will be permanently impacted, and approximately 41,370 SF of temporarily impacted vegetation within shoreline jurisdiction will be restored and replanted with willow stakes, riparian and upland seed mixes, and native trees and shrubs. Five trees

will be removed west of the bridge because they occur within the limits of the scour countermeasures. Himalayan blackberry (*Rubus armeniacus*) thickets within the work limits will be removed during site preparation and restored with native plants. The proposed riparian habitat restoration will include willow stakes around the edges of the rock blanket to provide shading and allochthonous inputs to support aquatic habitat. In addition, twelve logs with rootwads will be installed to improve habitat diversity and cover for fish in the project area following construction.

Following isolation of the work areas, existing streambed material will be excavated to a depth of approximately three to seven feet and replaced with riprap on top of geotextile fabric with blended streambed aggregate placed on top of the riprap as shown on JARPA drawing Sheets 4, 5, 6, and 7 (Appendix B). The streambed will be over excavated and replaced with the scour protection to achieve no-rise with in the mapped floodway. The stream bypass system will be removed following construction prior to the end of the approved in-water work window.

Unavoidable, Minimized Project Effects

Following isolation of the work area, existing riprap, debris, and streambed material will be excavated and hauled away for installation of buried riprap overlaid with blended streambed aggregate. The in-water stream impacts are expected to result in minor benefit to stream habitat within the South Fork Chehalis River from removing the existing angular rock and replacing it with buried riprap with streambed material on top, and adding twelve large wood pieces. Streambed grading will comply with no-rise requirements for work in the regulated floodway, and there will be no loss of stream habitat below the existing OHWM. The proposed scour countermeasures will extend up the bank to protect the bridge abutments, and will result in the permanent loss of 8,093 SF of shrub and grass vegetation in shoreline jurisdiction that is generally dominated by Himalayan blackberry (*Rubus armeniacus*) thickets and reed canarygrass (*Phalaris arundinacea*). Five deciduous trees will be removed west of the bridge. The proposed impacts are shown on JARPA drawing Sheet 14 (Appendix B).

The project will result in approximately 6,620 square feet (SF) of permanent impacts to the South Fork Chehalis River from the installation of scour countermeasures, approximately 6,964 SF of temporary impacts to the South Fork Chehalis River from dewatering activities, approximately 8,093 SF of permanent vegetation clearing within shoreline jurisdiction, and approximately 41,370 SF of temporary vegetation clearing within shoreline jurisdiction. The in-stream work area will be isolated to minimize the impacts of excavation to water quality and aquatic wildlife. The stabilization measures to be installed have been selected specifically for the ecological lift they will provide to the river. Large woody material log jams will contribute roughness and habitat diversity for aquatic life. Native willow stakes will be planted around the rock revetment to provide bank stabilization and erosion control, water quality improvement, stream shading, and habitat structural complexity. The streambed will be restored with blended streambed sediment and 4-inch streambed cobbles and regraded to pre-existing contours. Upon completion of construction, all impacts to the South Fork Chehalis River be restored.

Permanent impacts to the South Fork Chehalis River will not result in a loss of stream habitat because the scour countermeasures will be installed below the existing grade with blended streambed aggregate at the surface. The majority of impacted vegetation within shoreline jurisdiction is dominated by invasive Himalayan blackberry and reed canarygrass. Project impacts are summarized in Table 1.

Table 1—Impacts Summary

Regulated Feature	Impact Area (Square Feet)	Duration
South Fork Chehalis River	6,964	Temporary
	6,620	Permanent
Vegetation in Shoreline Jurisdiction	41,370	Temporary
	8,093	Permanent
	5 Deciduous Trees	Long-Term Temporary

2.2 Onsite Restoration Plan

The restoration plan is meant to restore temporarily impacted vegetation communities and increase structural and species diversity along the South Fork Chehalis River in the project area so there is no loss of ecological functions after the scour countermeasures are installed. A watershed approach was used for the restoration design by focusing on restoring functions at the project site where the impacts occur rather than purchasing credits from a mitigation bank lower in the watershed. Restoration details are provided on Sheets 12 and 13 of the JARPA plan set (Appendix B).

The onsite restoration plan includes installing 2,992 SF of live stakes of native willows (*Salix* sp.) (Planting Zone 1) around the rock revetment to mitigate thermal impacts from the rock revetment, increase shading and allochthonous inputs, and slow water velocities during high flow events. A total of 748 live stakes will be installed at 2-ft on-center. The sloped banks of the South Fork Chehalis River, an area of approximately 6,025 SF, will be planted with a riparian seed mix and 167 native shrubs (Planting Zone 2). Disturbed areas along Wildwood Road and above the banks of the South Fork Chehalis River (Planting Zone 3), approximately 24,102 SF, will be seeded with an upland seed mix to restore these areas to pre-existing conditions. Upland areas above the banks of the South Fork Chehalis River east of Wildwood Road (Planting Area 4), approximately 11,206 SF, will be replanted with an upland seed mix, 15 native trees, and 12 native shrubs. Planted native woody species will provide shading and additional cover in the project reach of the South Fork Chehalis River, and provide a functional lift relative to the current conditions because these areas are currently dominated by nonnative, invasive species including Himalayan blackberry and reed canarygrass. Plant areas, plant schedules, and planting details are provided on Sheets 12 and 13 of the JARPA plan set included as Appendix B.

2.3 Monitoring Plan, Performance Standards, and Reporting Schedule

Replanting of vegetation within shoreline jurisdiction will occur during the first dormant season (late fall through late winter) after project completion. Per Section 4.04.02(F)(1) of the Lewis County SMP, revegetated areas will be monitored for three years. Monitoring will be performed by measurements of the percent survival of planted material, visual estimation of plant cover, stem density, and presence of invasive species in the restoration areas, including photographic documentation using established photo points for year over year comparison.

The performance standards for this site include:

- Replanted areas shall be planted and maintained such that within three years the vegetation cover is at least 90% reestablished.
- Invasives shrubs shall cover less than 10% of the restoration area.
- 0% cover by knotweed (*Fallopia* sp.) in every monitoring year.

Failure to achieve the 90 percent cover in Year 3 will require a plan to be submitted with follow-up measures to achieve requirements or reasons to modify requirements. Site maintenance will occur each year as necessary to ensure performance standards are met.

Contingency planning will be coordinated with the County if performance standards are not being met due to plant mortality, animal browse, or other challenges. Such contingency measures may include supplemental plantings, browse protection around the plantings, spray deterrents, or other methods to protect the restoration plantings in order to achieve the site restoration goals and performance standards.

2.4 No Net Loss Determination

The project has been designed following the mitigation sequencing avoid and minimize unavoidable project impacts to critical areas as required per Section 4.04 (Critical Areas and Shoreline Vegetation Conservation) of the Lewis County SMP, LCC 17.38.080 (General Mitigation Requirements), LCC 17.38.510 (Fish and wildlife habitat mitigation plan). All temporary impacts will be restored following construction, and the installation of the scour countermeasures below the OHWM of the South Fork Chehalis River will not result in the loss of aquatic habitat. Installing the scour counter measures will not result in a rise of the base flood elevation for compliance with the floodplain regulations. The project will result in a minor net benefit of ecological function in the project area from the removal of non-native, invasive vegetation and installation of native trees and shrubs along the riparian corridor that will provide increased shading, habitat diversity, and cover for aquatic wildlife. The project will not result in a loss of shoreline ecological functions.

Appendix A: Delineated Wetlands and Streams



FIGURE 8
DELINEATED STREAMS
 WILDWOOD ROAD BRIDGE SCOUR REPAIR | 21588B
 LEWIS COUNTY, WASHINGTON

LEGEND

- Data Point
- Ordinary High Water
- ▭ Study Area

0 100 ft

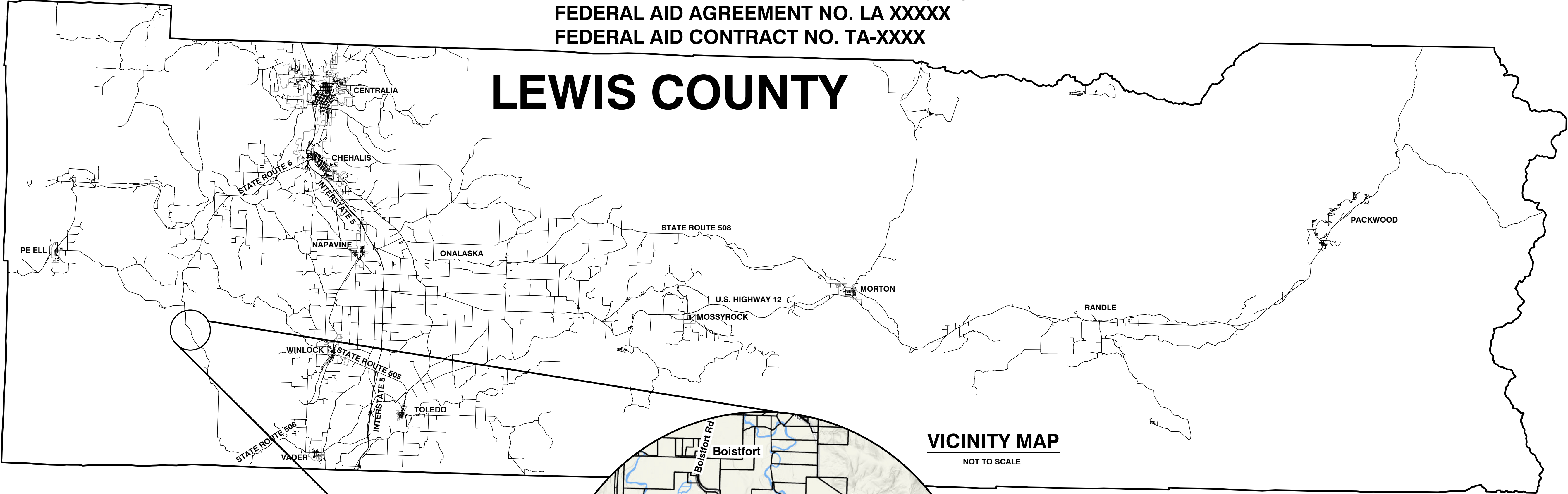


Data Sources:
 Date: 7/3/2025
 Disclaimer: This data is not for survey accuracy and is meant for planning purposes only.
 © PROJECT/21588B/04 CAD/25/03/2025/21588B_WildwoodRd.aprx

Appendix B: JARPA Plans

WILDWOOD RD MP 10.14 BRIDGE SCOUR REPAIR

COUNTY ROAD PROJECT NO: 2159S
FEDERAL AID PROJECT NO. BHS-A211(004)
FEDERAL AID AGREEMENT NO. LA XXXXX
FEDERAL AID CONTRACT NO. TA-XXXX



VICINITY MAP
NOT TO SCALE

COMMISSIONERS:

SEAN D. SWOPE, DISTRICT 1
LINDSEY R. POLLOCK, DVM, DISTRICT 2
SCOTT J. BRUMMER, DISTRICT 3



**ENGINEERING-
DESIGN SECTION**

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SHEET NAME	SHEET #
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SHEET 1 VICINITY MAP AND SHEET INDEX

DATE: JUNE 2026

APPLICANT: LEWIS COUNTY PUBLIC WORKS

REFERENCE #:

ADJACENT PROPERTY OWNERS: SEE JARPA FORM

PURPOSE: BRIDGE SCOUR REPAIR

LAT/LONG: 46.50602N. LAT. / -123.12150W. LONG.

SITE LOCATION ADDRESS: 2163 WILDWOOD RD,
CURTIS, WA 98538

PROPOSED PROJECT: WILDWOOD ROAD MP 10.14 BRIDGE SCOUR REPAIR PROJECT

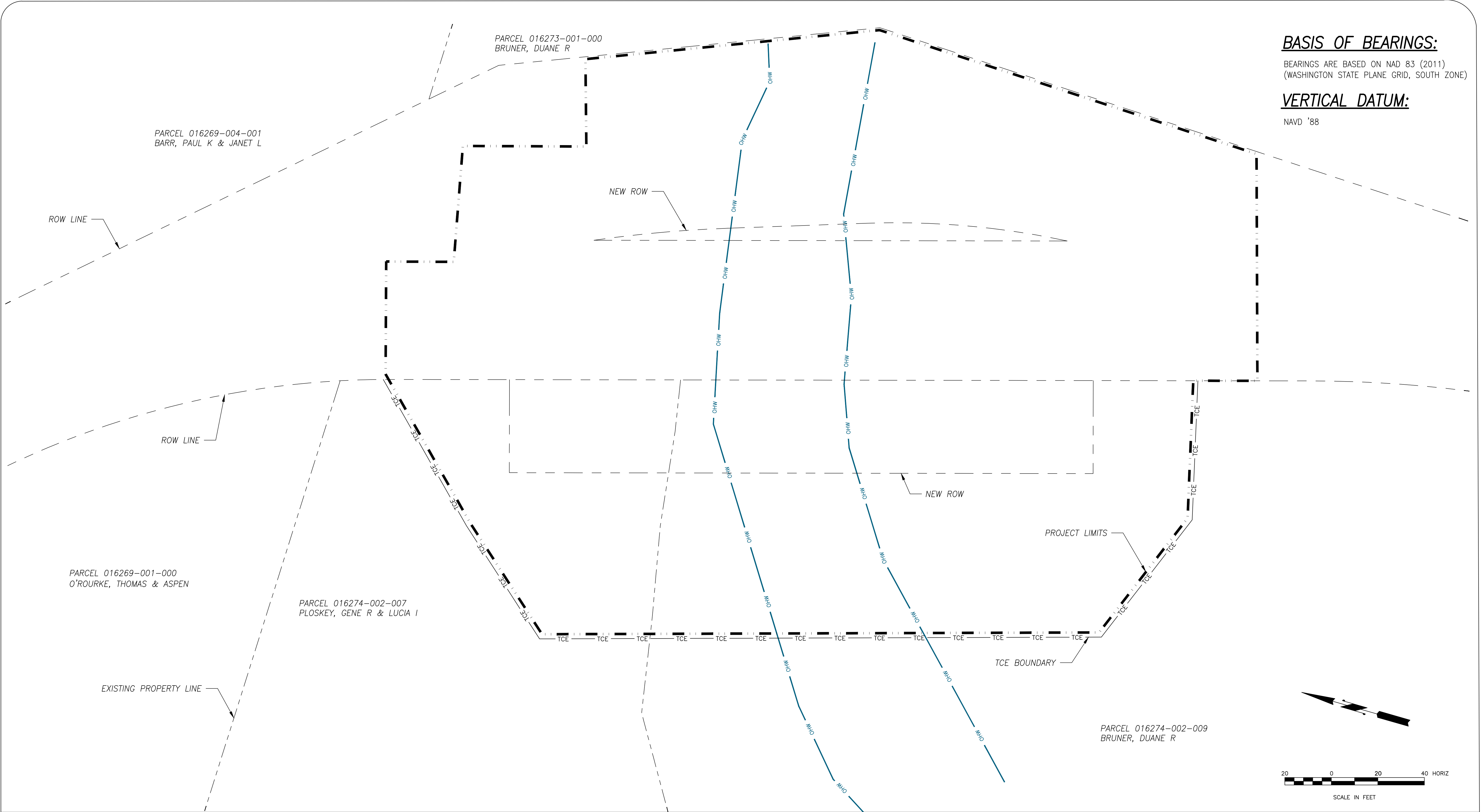
WATER BODY: SOUTH FORK CHEHALIS RIVER

NEAR: CURTIS

COUNTY: LEWIS

STATE: WA

Jun 22, 2026 – 10:37am
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BASIS OF BEARINGS:
BEARINGS ARE BASED ON NAD 83 (2011)
(WASHINGTON STATE PLANE GRID, SOUTH ZONE)

VERTICAL DATUM:
NAVD '88

SHEET 2 TAX PARCEL MAP

DATE: JUNE 2026

APPLICANT: LEWIS COUNTY PUBLIC WORKS

REFERENCE #:

ADJACENT PROPERTY OWNERS: SEE JARPA FORM

PURPOSE: BRIDGE SCOUR REPAIR

LAT/LONG: 46.50602N. LAT. / -123.12150W. LONG.

SITE LOCATION ADDRESS: 2163 WILDWOOD RD,
CURTIS, WA 98538

PROPOSED PROJECT: WILDWOOD ROAD MP 10.14 BRIDGE SCOUR REPAIR PROJECT

WATER BODY: SOUTH FORK CHEHALIS RIVER

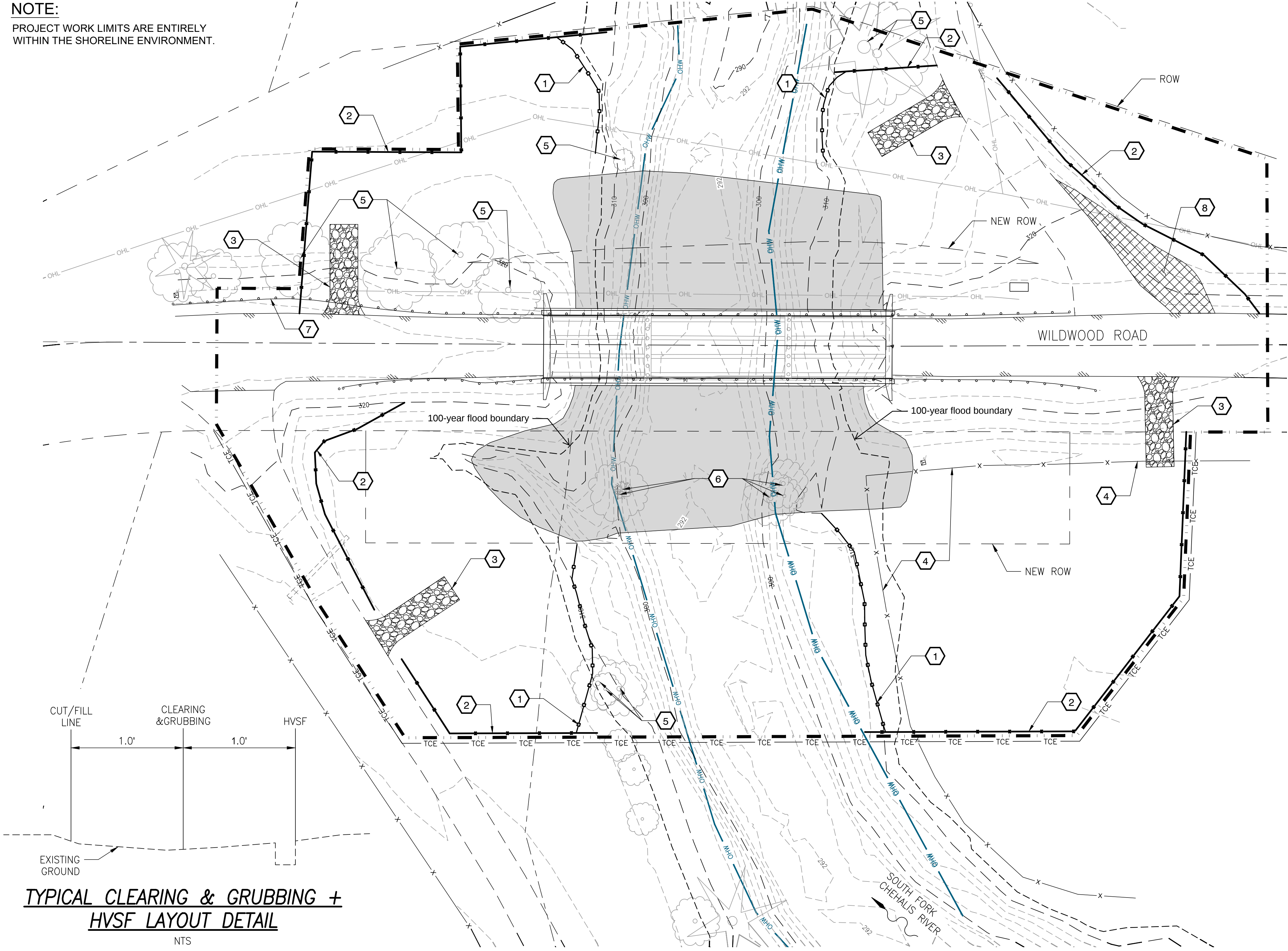
NEAR: CURTIS

COUNTY: LEWIS

STATE: WA

Jun 22, 2026 - 10:37am
O:\PROJECT\21500\21588B\05 Working Files\T&I\JARPA\90% Plans\CAD\Wg\21588B-Erosion Control Plan.dwg

NOTE:
PROJECT WORK LIMITS ARE ENTIRELY
WITHIN THE SHORELINE ENVIRONMENT.



EROSION CONTROL NOTES:

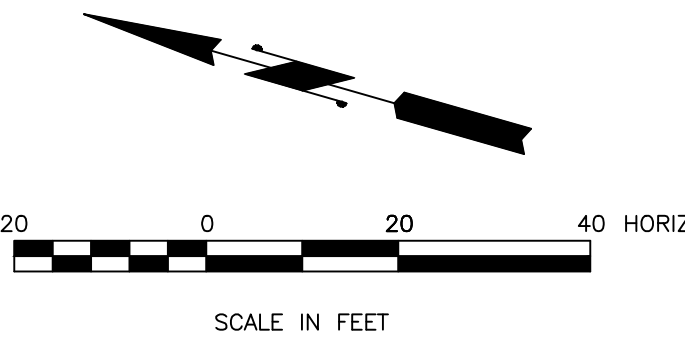
1. THE IMPLEMENTATION OF THIS TESC PLAN AND CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE CONSTRUCTION SWPPP FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL WORK IS COMPLETED AND APPROVED.
2. THE BMP'S SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE BMP'S SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
3. THE BMP'S SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTION. THE CONSTRUCTION SWPPP FACILITIES ON INACTIVE SITE SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A MAJOR STORM EVENT.
4. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM PER WASHINGTON STATE DEPARTMENT OF ECOLOGY'S STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON B-2 VOLUME II - CONSTRUCTION STORMWATER POLLUTION PREVENTION JULY 2019.
5. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

CONSTRUCTION NOTES:

- 1 HIGH VISIBILITY SILT FENCE PER WSDOT STANDARD PLAN 1-30.17
- 2 HIGH VISIBILITY FENCE PER WSDOT STANDARD PLAN 1-10.10
- 3 STABILIZED CONSTRUCTION ENTRANCE PER WSDOT STANDARD PLAN 1-80.10
- 4 REMOVE AND REPLACE PORTION OF FENCE
- 5 PROTECT TREE
- 6 REMOVE TREE
- 7 REMOVE AND REPLACE A PORTION OF THE GUARDRAIL
- 8 APPROACH WIDENING

LEGEND

- STABILIZED CONSTRUCTION ENTRANCE
- APPROACH WIDENING
- PROTECTED SLOPE (EXISTING RIPRAP)
- HIGH VISIBILITY SILT FENCE
- HIGH VISIBILITY FENCE
- TEMPORARY CONSTRUCTION EASEMENT
- ORDINARY HIGH WATER
- PROJECT LIMITS
- 100 YEAR FLOOD



SHEET 3 EXISTING CONDITIONS AND SITE PREPARATION

DATE: JUNE 2026

APPLICANT: LEWIS COUNTY PUBLIC WORKS

REFERENCE #:

ADJACENT PROPERTY OWNERS: SEE JARPA FORM

PURPOSE: BRIDGE SCOUR REPAIR

LAT/LONG: 46.50602N. LAT. / -123.12150W. LONG.

SITE LOCATION ADDRESS: 2163 WILDWOOD RD,
CURTIS, WA 98538

PROPOSED PROJECT: WILDWOOD ROAD MP 10.14 BRIDGE SCOUR REPAIR PROJECT

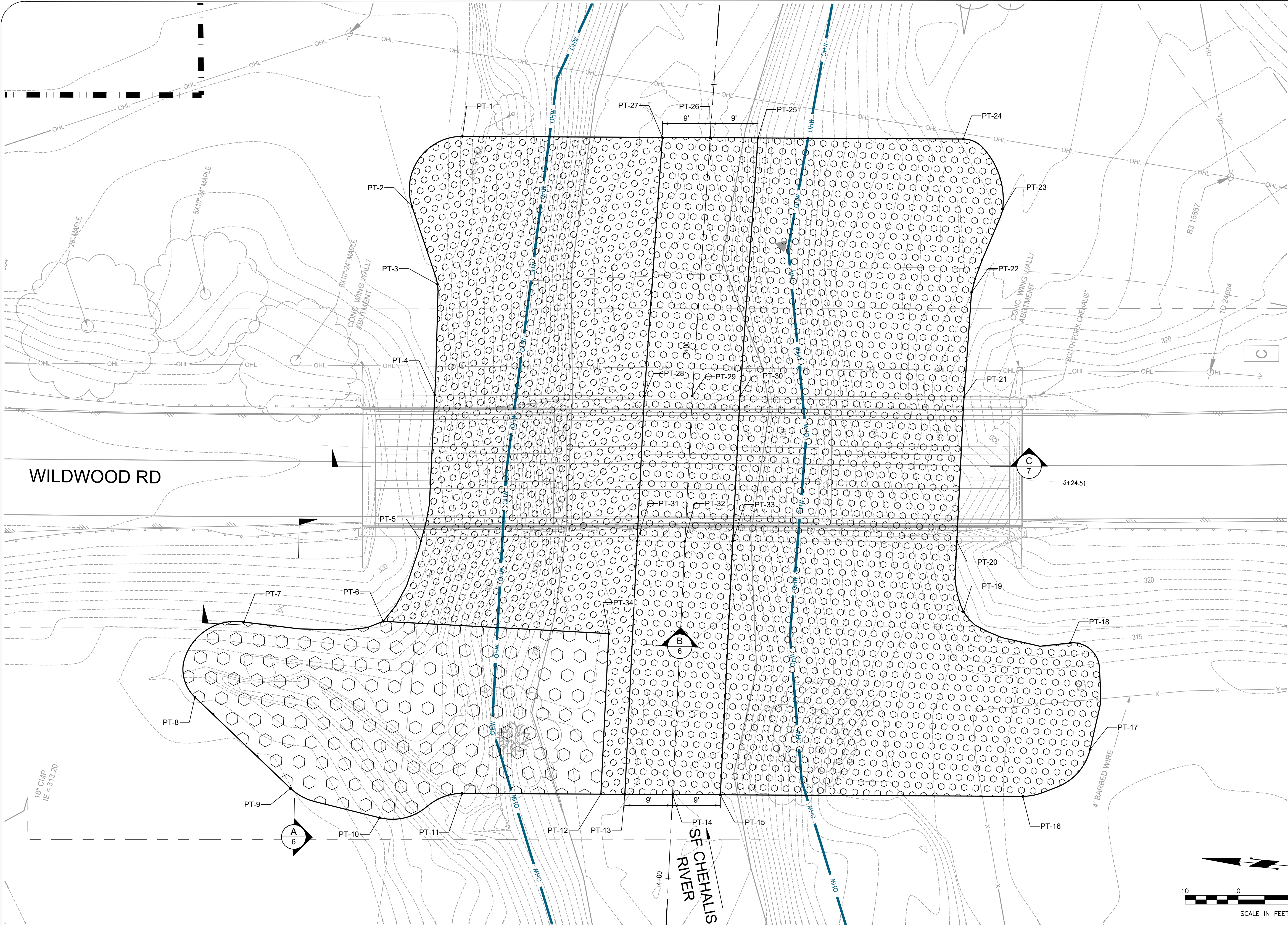
WATER BODY: SOUTH FORK CHEHALIS RIVER

NEAR: CURTIS

COUNTY: LEWIS

STATE: WA

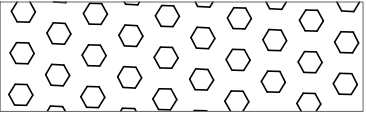
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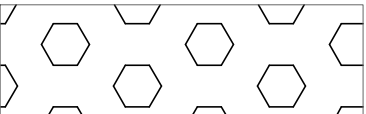
SCOUR COUNTERMEASURE NOTES:

- SEE SCOUR COUNTERMEASURE LAYOUT TABLE ON THIS SHEET FOR LAYOUT POINTS AND TOP OF COUNTERMEASURE ELEVATIONS.
- SEE SHEET 5 FOR SCOUR COUNTERMEASURE PROFILE.
- SEE SHEETS 6 AND 7 FOR SCOUR COUNTERMEASURE SECTIONS.
- MINIMIZE DISTURBANCE OF THE STREAMBED OUTSIDE OF THE SCOUR COUNTERMEASURE FOOTPRINT TO THE MAXIMUM EXTENT PRACTICABLE. STREAMBED OUTSIDE THE SCOUR COUNTERMEASURE LIMITS THAT IS DISTURBED SHALL BE RETURNED TO EXISTING CONDITIONS.
- SEE SHEET 8 FOR ALIGNMENT LAYOUT TABLE.
- FILL VOIDS IN ROCK FOR EROSION AND SCOUR PROTECTION CLASS B WITH BLENDED STREAMBED AGGREGATE (APPROXIMATELY 1050 TONS).

LEGEND



ROCK FOR EROSION AND SCOUR PROTECTION CLASS B, 3-FOOT THICKNESS (APPROXIMATELY 2570 TONS)



ROCK FOR EROSION AND SCOUR PROTECTION CLASS B, 6-FOOT THICKNESS (APPROXIMATELY 1010 TONS)

CONTROL POINT TABLE

POINT ID	STA	OFFSET	TOP OF COUNTER MEASURE ELEVATION
PT-1	2+63.0	46.6' R	312.9'
PT-2	2+76.9	55.2' R	315.0'
PT-3	2+91.2	49.4' R	315.0'
PT-4	3+11.1	48.5' R	315.0'
PT-5	3+38.6	49.7' R	315.0'
PT-6	3+54.1	56.1' R	315.0'
PT-7	3+55.6	82.3' R	315.0'
PT-8	3+70.2	90.9' R	311.9'
PT-9	3+86.4	72.0' R	313.1'
PT-10	3+91.2	55.0' R	308.2'
PT-11	3+85.8	39.6' R	300.7'
PT-12	3+84.7	13.5' R	291.4'
PT-13	3+84.5	9.0' R	288.4'
PT-14	3+84.1	0.0' C	288.4'
PT-15	3+83.7	9.0' L	288.4'
PT-16	3+81.2	66.0' L	312.3'
PT-17	3+71.7	78.2' L	312.9'
PT-18	3+51.9	73.5' L	315.0'
PT-19	3+47.0	53.1' L	315.0'
PT-20	3+33.7	51.2' L	315.0'
PT-21	3+05.4	51.2' L	315.0'
PT-22	2+85.7	51.2' L	315.0'
PT-23	2+69.6	56.0' L	315.0'
PT-24	2+57.0	47.6' L	314.1'
PT-25	2+59.5	9.0' L	287.9'
PT-26	2+60.0	0.0' C	287.9'
PT-27	2+60.6	9.0' R	287.9'
PT-28	3+09.3	9.0' R	288.1'
PT-29	3+08.9	0.0' C	288.1'
PT-30	3+08.3	9.0' L	288.1'
PT-31	3+36.7	9.0' R	288.1'
PT-32	3+36.3	0.0' C	288.1'
PT-33	3+35.8	9.0' L	288.1'
PT-34	3+54.4	13.5' R	291.2'

SHEET 4 SCOUR COUNTERMEASURE PLAN

DATE: JUNE 2026

APPLICANT: LEWIS COUNTY PUBLIC WORKS

REFERENCE #:

ADJACENT PROPERTY OWNERS: SEE JARPA FORM

PURPOSE: BRIDGE SCOUR REPAIR

LAT/LONG: 46.50602N. LAT. / -123.12150W. LONG.

SITE LOCATION ADDRESS: 2163 WILDWOOD RD, CURTIS, WA 98538

PROPOSED PROJECT: WILDWOOD ROAD MP 10.14 BRIDGE SCOUR REPAIR PROJECT

WATER BODY: SOUTH FORK CHEHALIS RIVER

NEAR: CURTIS

COUNTY: LEWIS

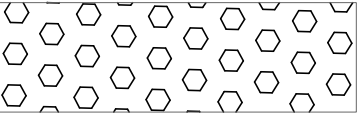
STATE: WA

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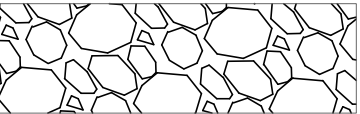
GENERAL NOTES:

- ALL MATERIAL AND WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION, "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" 2026 EDITION AND SPECIAL PROVISIONS.
- SEE SHEETS 6 AND 7 FOR TYPICAL SCOUR COUNTERMEASURE AND STREAM RECONSTRUCTION SECTION.
- SEE SHEET 9 FOR LARGE WOODY MATERIAL DETAILS.

LEGEND



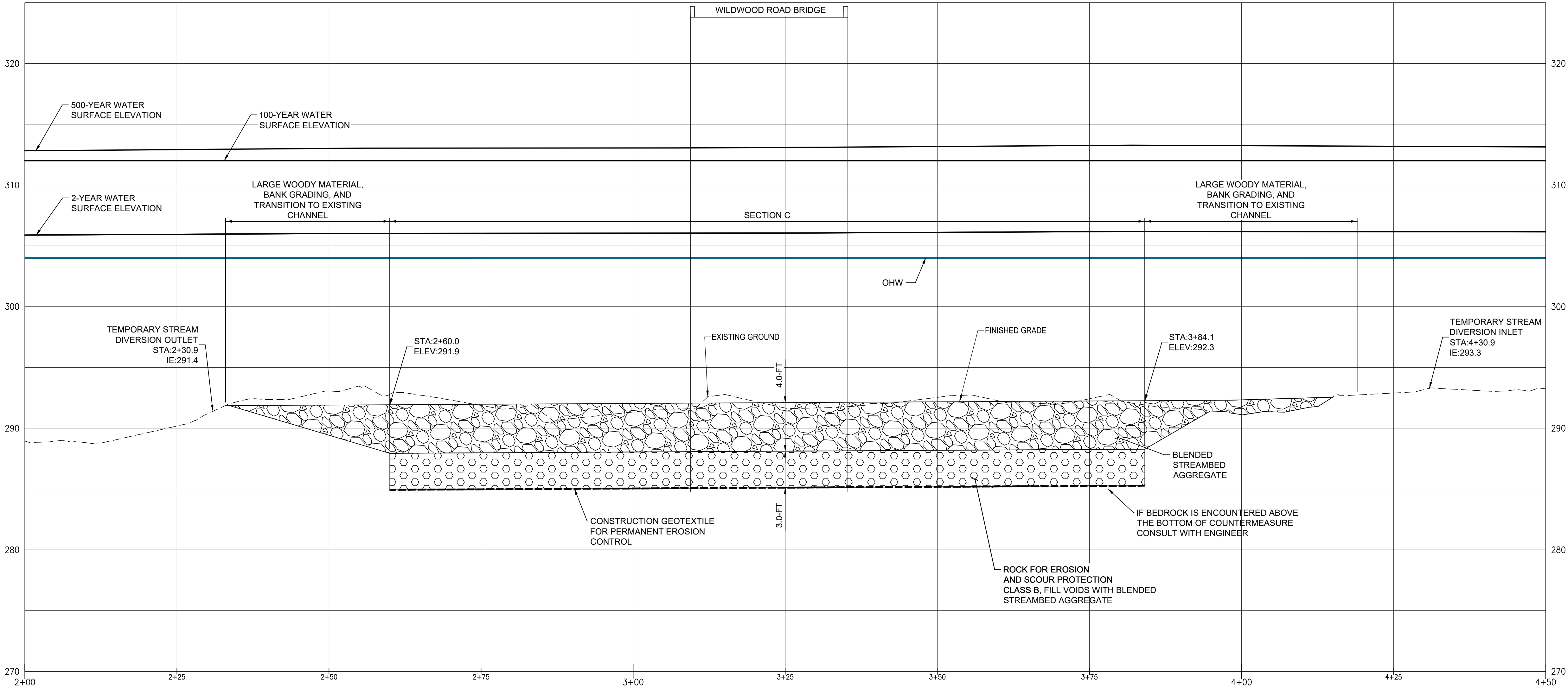
ROCK FOR EROSION AND SCOUR PROTECTION CLASS B, 3-FOOT THICKNESS (SEE PLAN FOR QUANTITY)



BLENDED STREAMBED AGGREGATE (APPROXIMATELY 1500 TONS)



CONSTRUCT GEOTEXTILE FOR PERMANENT EROSION CONTROL (APPROXIMATELY 1620 SY)



PROFILE VIEW

H: 1"=10', V: 1"=5'

SHEET 5 SCOUR COUNTERMEASURE PROFILE

DATE: JUNE 2026

APPLICANT: LEWIS COUNTY PUBLIC WORKS

REFERENCE #:

ADJACENT PROPERTY OWNERS: SEE JARPA FORM

PURPOSE: BRIDGE SCOUR REPAIR

LAT/LONG: 46.50602N. LAT. / -123.12150W. LONG.

SITE LOCATION ADDRESS: 2163 WILDWOOD RD, CURTIS, WA 98538

PROPOSED PROJECT: WILDWOOD ROAD MP 10.14 BRIDGE SCOUR REPAIR PROJECT

WATER BODY: SOUTH FORK CHEHALIS RIVER

NEAR: CURTIS

COUNTY: LEWIS

STATE: WA

1. BLENDED STREAMBED AGGREGATE IS 75% STREAMBED SEDIMENT AND 25% 4-INCH COBBLES. SEE STANDARD SPECIFICATION 8-30 "STREAMS, RIVERS, AND WATERBODIES."

	ROCK FOR EROSION AND SCOUR PROTECTION CLASS B, 3-FOOT THICKNESS
	ROCK FOR EROSION AND SCOUR PROTECTION CLASS B, 6-FOOT THICKNESS
	BLENDED STREAMBED AGGREGATE



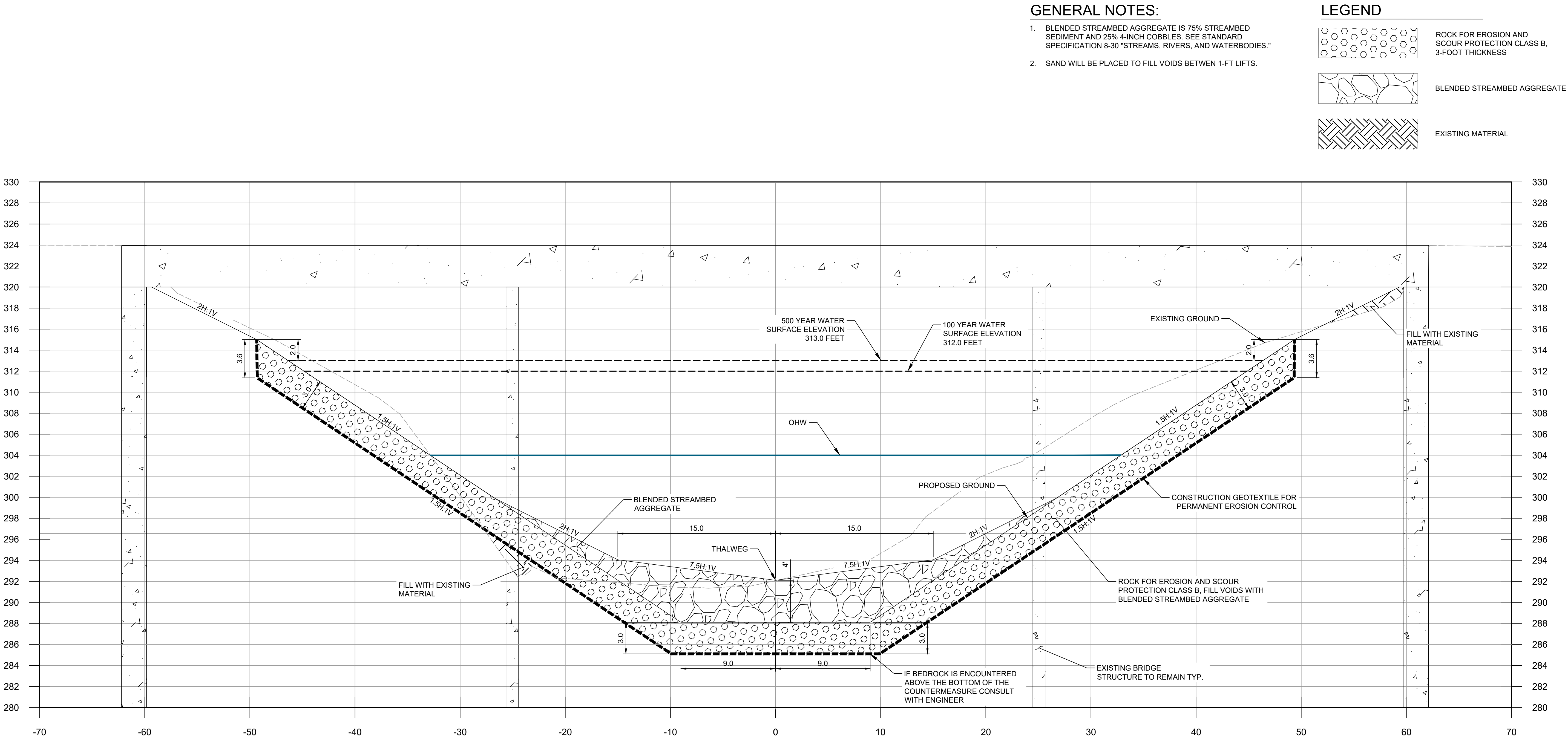
DATE: JUNE 2026

PROPOSED PROJECT: WILDWOOD ROAD MP 10.14 BRIDGE SCOUR REPAIR PROJECT

WATER BODY: SOUTH FORK CHEHALIS RIVER

STATE: WA

Jun 22, 2026 - 10:37am
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SECTION C - TYPICAL SCOUR COUNTERMEASURE AND STREAM RECONSTRUCTION SECTION

SCALE: 1"=5'

SHEET 7 SCOUR COUNTERMEASURE DETAILS

DATE: JUNE 2026

APPLICANT: LEWIS COUNTY PUBLIC WORKS

REFERENCE #:

ADJACENT PROPERTY OWNERS: SEE JARPA FORM

PURPOSE: BRIDGE SCOUR REPAIR

LAT/LONG: 46.50602N. LAT. / -123.12150W. LONG.

SITE LOCATION ADDRESS: 2163 WILDWOOD RD,
CURTIS, WA 98538

PROPOSED PROJECT: WILDWOOD ROAD MP 10.14 BRIDGE SCOUR REPAIR PROJECT

WATER BODY: SOUTH FORK CHEHALIS RIVER

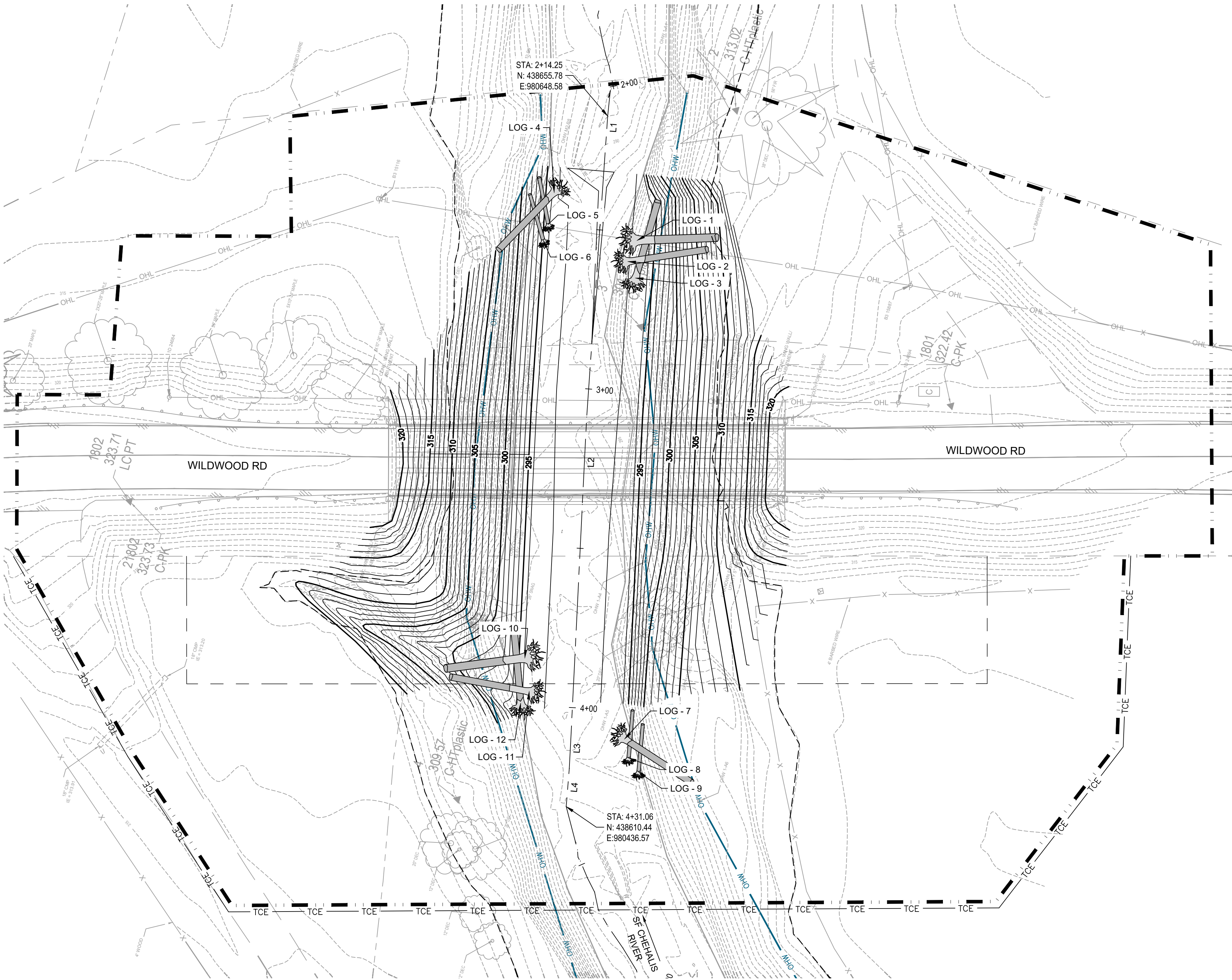
NEAR: CURTIS

COUNTY: LEWIS

STATE: WA

Jun 22, 2026 - 10:38am
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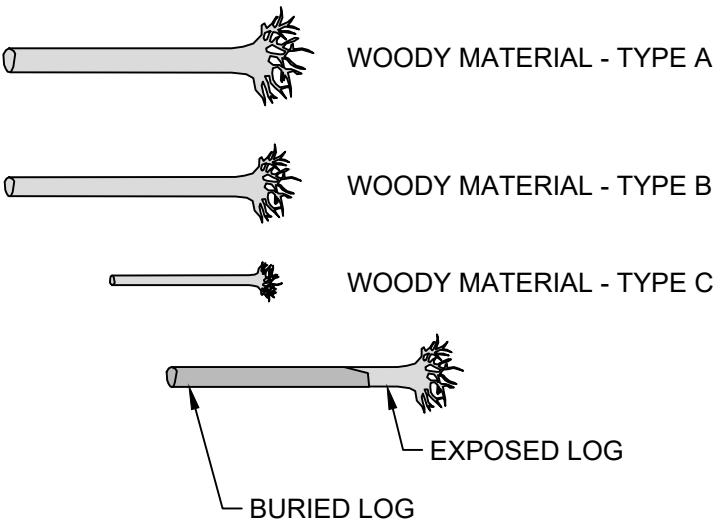
NOTE:
PROJECT WORK LIMITS ARE ENTIRELY
WITHIN THE SHORELINE ENVIRONMENT.



GENERAL NOTE:

- ALL MATERIAL AND WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION, "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" 2026 EDITION AND SPECIAL PROVISIONS.
- LOCATIONS AND ORIENTATIONS OF LWM FEATURES ARE APPROXIMATE AND SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE FIELD STREAM DESIGN ENGINEER. FINAL LOCATION AND ORIENTATION OF THESE FEATURES SHALL BE APPROVED BY THE FIELD STREAM DESIGN ENGINEER.
- SEE SHEET 9 FOR LARGE WOODY MATERIAL DETAILS.
- SEE SHEET 7 FOR TYPICAL STREAM SECTION.
- SEE SHEET 5 FOR STREAM PROFILE.

LEGEND



LOG LAYOUT TABLE

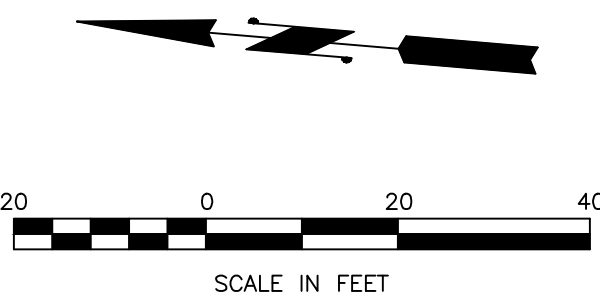
LOG ID	ROOTWAD CROWN STA OFFSET	ROOTWAD CROWN ELEVATION	LOG END STA OFFSET	LOG END ELEVATION	LWM TYPE AND DETAIL
1	2+52.5, 12.0' L	295.8'	2+49.9, 36.3' L	297.5'	LWM TYPE A, SEE DETAIL 1
2	2+59.3, 9.6' L	295.5'	2+53.9, 33.5' L	297.7'	LWM TYPE B, SEE DETAIL 1
3	2+64.3, 12.3' L	293.6'	2+40.3, 17.4' L	292.7'	LWM TYPE B, SEE DETAIL 1
4	2+39.2, 15.1' R	296.3'	2+58.1, 30.8' R	297.6'	LWM TYPE B, SEE DETAIL 2
5	2+49.4, 16.2' R	294.5'	2+35.1, 20.0' R	294.2'	LWM TYPE C, SEE DETAIL 2
6	2+54.5, 17.4' R	294.9'	2+40.6, 22.5' R	294.6'	LWM TYPE C, SEE DETAIL 2
7	4+09.0, 16.9' L	295.5'	4+13.8, 40.9' L	296.8'	LWM TYPE B, SEE DETAIL 2
8	4+14.9, 18.4' L	294.0'	4+00.1, 18.9' L	294.1'	LWM TYPE C, SEE DETAIL 2
9	4+19.1, 21.8' L	295.0'	4+04.3, 22.2' L	294.7'	LWM TYPE C, SEE DETAIL 2
10	3+85.2, 15.7' R	296.4'	3+89.3, 39.7' R	298.1'	LWM TYPE A, SEE DETAIL 1
11	3+95.6, 13.8' R	295.4'	3+92.3, 38.1' R	297.6'	LWM TYPE B, SEE DETAIL 1
12	3+99.5, 16.2' R	294.3'	3+74.9, 19.6' R	293.4'	LWM TYPE B, SEE DETAIL 1

LOG SCHEDULE

LOG TYPE	LOG SIZE	QUANTITY
A	25' LOG WITH ROOTWAD DBH 30"	2
B	25' LOG WITH ROOTWAD DBH 24"	6
C	15' LOG WITH ROOTWAD DBH 12"	4

CENTERLINE LINE DATA

NO.	BEARING	DISTANCE
L1	S78°28'57"W	94.60
L2	S77°20'46"W	27.41
L3	S77°22'10"W	21.16
L4	S79°12'38"W	11.96



SHEET 8 STREAM RECONSTRUCTION PLAN

DATE: JUNE 2026

APPLICANT: LEWIS COUNTY PUBLIC WORKS

REFERENCE #:

ADJACENT PROPERTY OWNERS: SEE JARPA FORM

PURPOSE: BRIDGE SCOUR REPAIR

LAT/LONG: 46.50602N. LAT. / -123.12150W. LONG.

SITE LOCATION ADDRESS: 2163 WILDWOOD RD, CURTIS, WA 98538

PROPOSED PROJECT: WILDWOOD ROAD MP 10.14 BRIDGE SCOUR REPAIR PROJECT

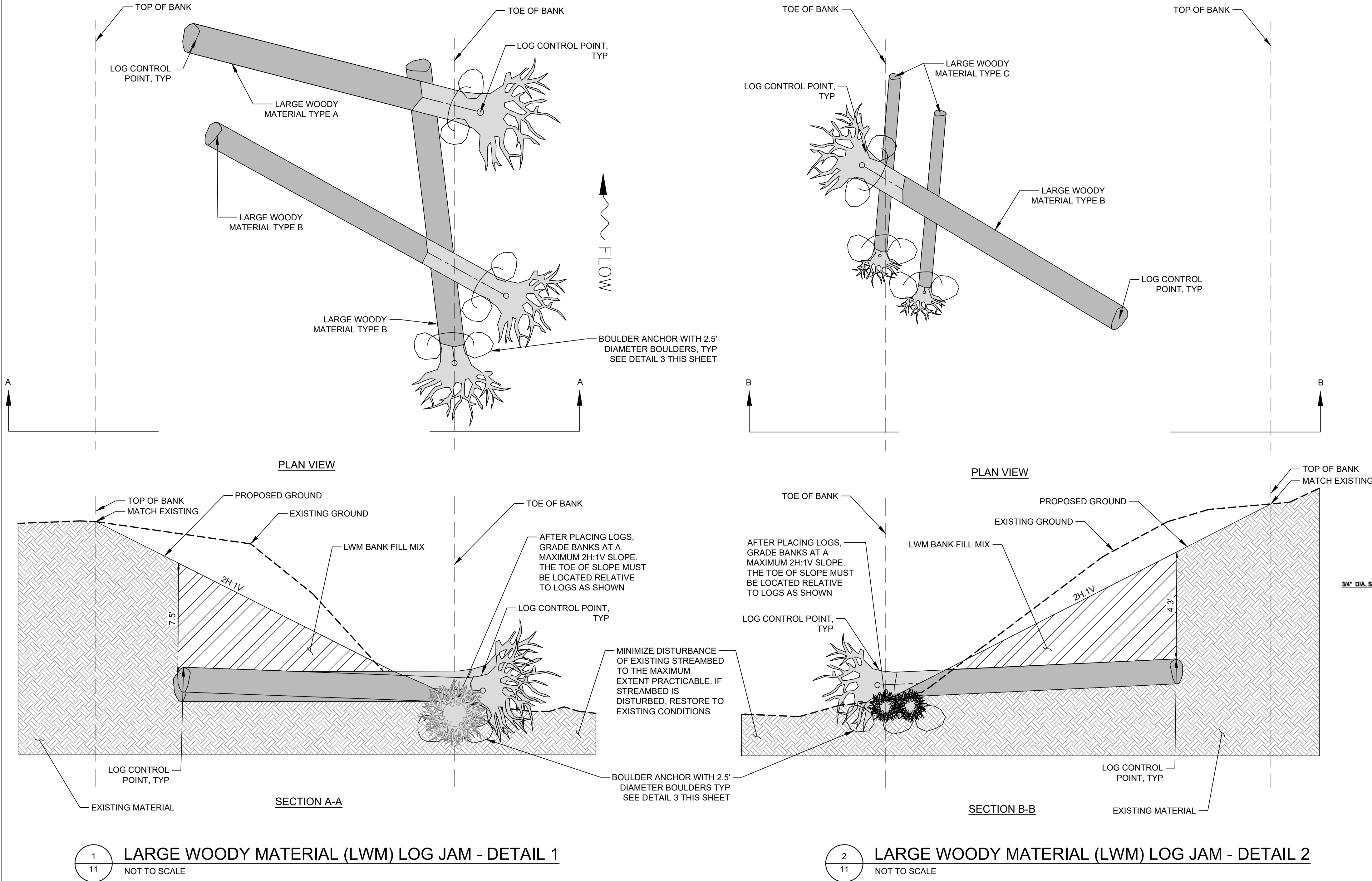
WATER BODY: SOUTH FORK CHEHALIS RIVER

NEAR: CURTIS

COUNTY: LEWIS

STATE: WA

Jun 22, 2026 - 10:38am
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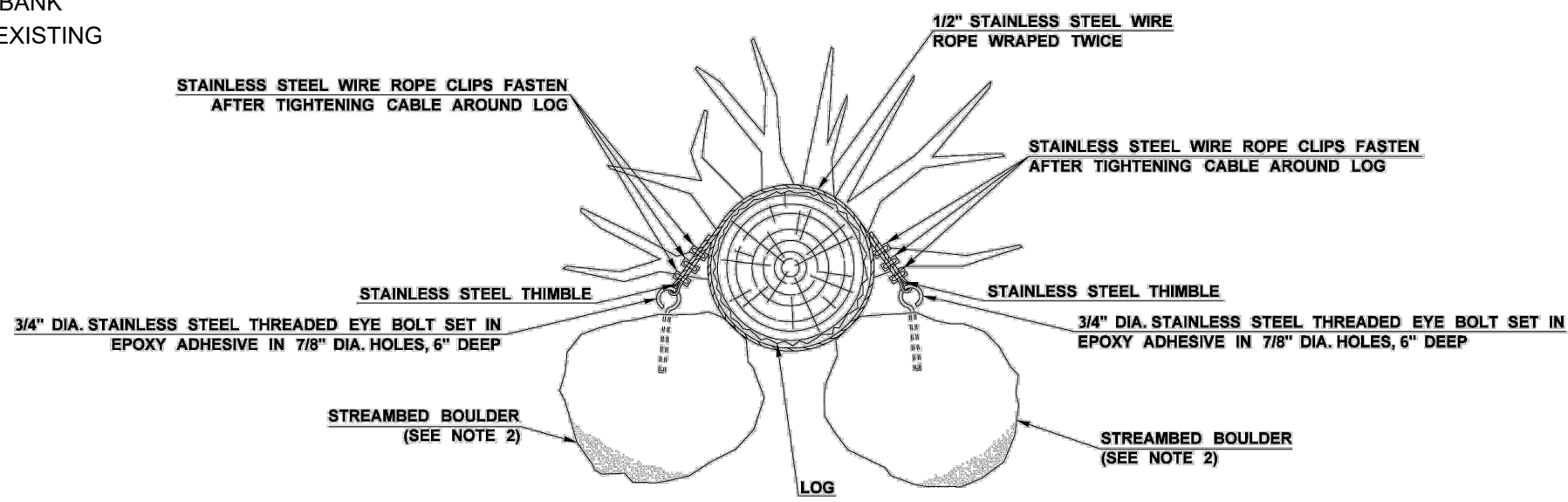


STREAM RECONSTRUCTION NOTES:

- DETAILS SHOWN ON THIS SHEET MAY BE ROTATED OR MIRRORED. SEE SHEET 8 FOR LARGE WOODY MATERIAL (LWM) ORIENTATIONS.
- SEE LWM LAYOUT TABLE AND LWM SCHEDULE ON SHEET 8 FOR LOG CONTROL POINTS, TOP OF LOG ELEVATIONS, AND LOG DIMENSIONS.
- SEE SPECIAL PROVISIONS 8-33 "LOG STRUCTURES" FOR LWM.
- LOCATIONS AND ORIENTATIONS OF STREAMBED FEATURES ARE APPROXIMATE AND SHALL BE STAKED PER PLAN BY THE CONTRACTOR AND APPROVED BY THE FIELD STREAM DESIGN ENGINEER. FINAL LOCATION AND ORIENTATION OF THESE STREAMBED FEATURES SHALL BE APPROVED BY THE FIELD STREAM DESIGN ENGINEER.
- BLENDED STREAMBED AGGREGATE IS 25% 4-INCH COBBLES AND 75% STREAMBED SEDIMENT. SEE STANDARD SPECIFICATIONS 8-30 "STREAM, RIVERS, AND WATERBODIES."
- ALL LWM DETAIL SECTIONS ON THIS SHEET ARE LOOKING DOWNSTREAM.
- LWM BANK FILL MIX IS 50% BLENDED STREAMBED AGGREGATE (APPROXIMATELY 300 TONS) AND 50% ROCK FOR EROSION CONTROL AND SCOUR PROTECTION CLASS B (APPROXIMATELY 250 TONS).

LEGEND:

- LWM BANK FILL MIX
- EXISTING MATERIAL



NOTES:

- SEE SPECIAL PROVISIONS "WOODY MATERIAL" FOR DESCRIPTION OF MATERIALS AND CONSTRUCTION REQUIREMENTS.
- SEE STANDARD SPECIFICATIONS 8-30 "WATER CROSSINGS" FOR BOULDER DESCRIPTION.

SHEET 9 STREAM RECONSTRUCTION DETAILS

DATE: JUNE 2026

APPLICANT: LEWIS COUNTY PUBLIC WORKS

REFERENCE #:

ADJACENT PROPERTY OWNERS: SEE JARPA FORM

PURPOSE: BRIDGE SCOUR REPAIR

LAT/LONG: 46.50602N. LAT. / -123.12150W. LONG.

SITE LOCATION ADDRESS: 2163 WILDWOOD RD, CURTIS, WA 98538

PROPOSED PROJECT: WILDWOOD ROAD MP 10.14 BRIDGE SCOUR REPAIR PROJECT

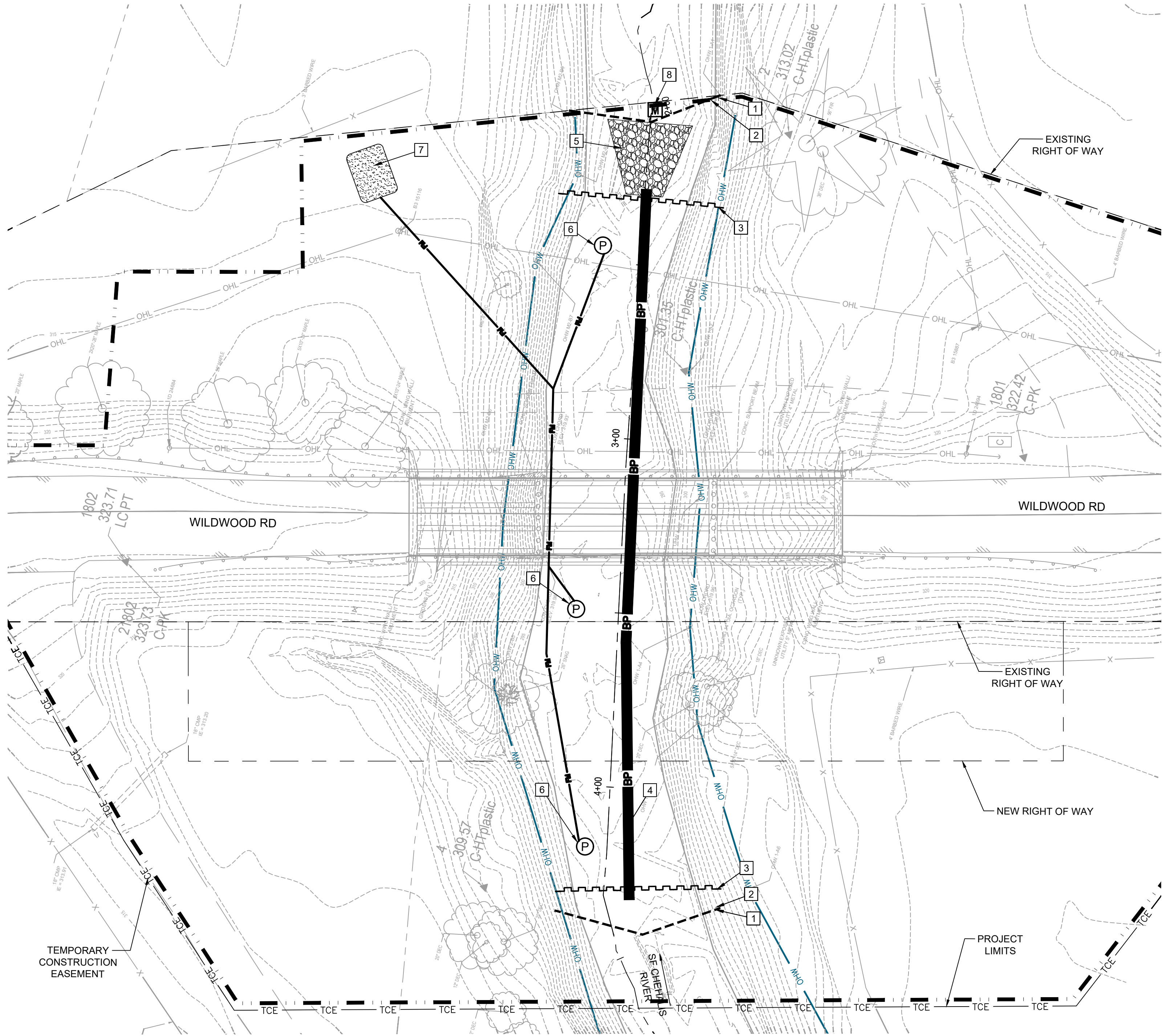
WATER BODY: SOUTH FORK CHEHALIS RIVER

NEAR: CURTIS

COUNTY: LEWIS

STATE: WA

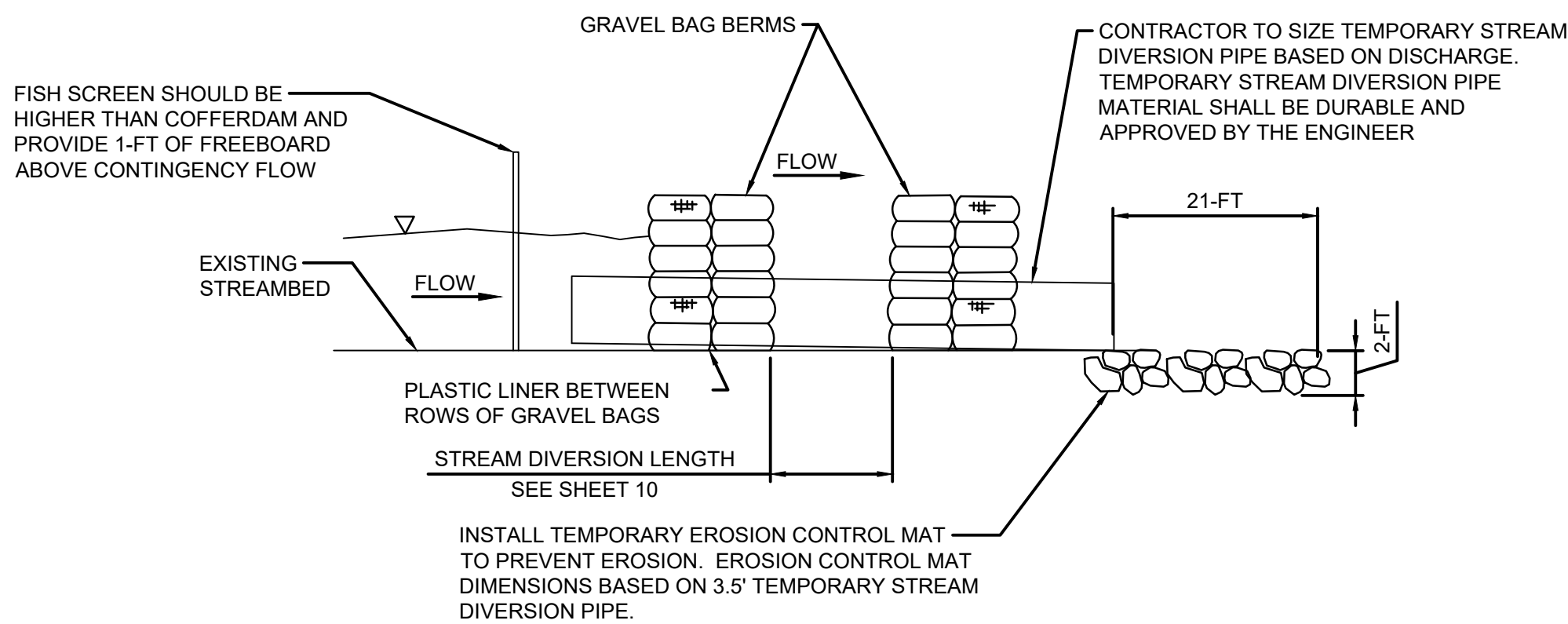
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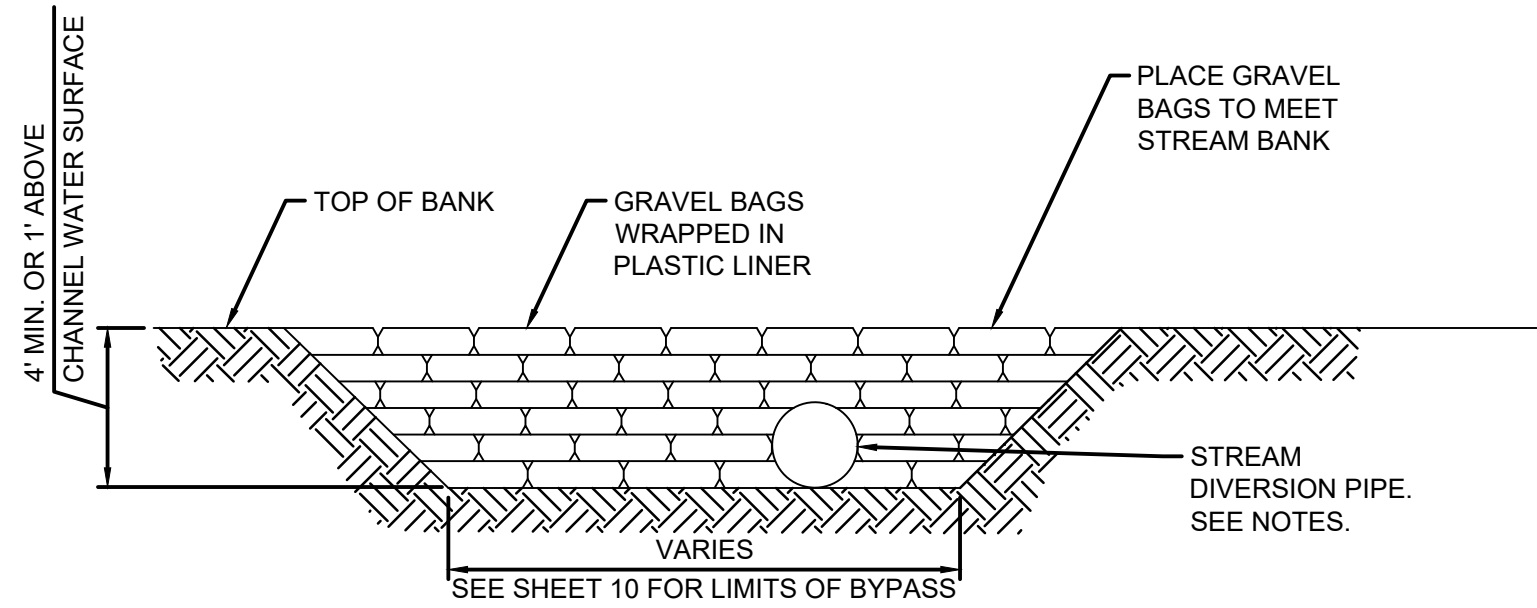
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GENERAL NOTE:

1. THE TEMPORARY STREAM DIVERSION DETAILS SHOWN ARE CONCEPTUAL. SEE SPECIAL PROVISIONS.



SIDE VIEW

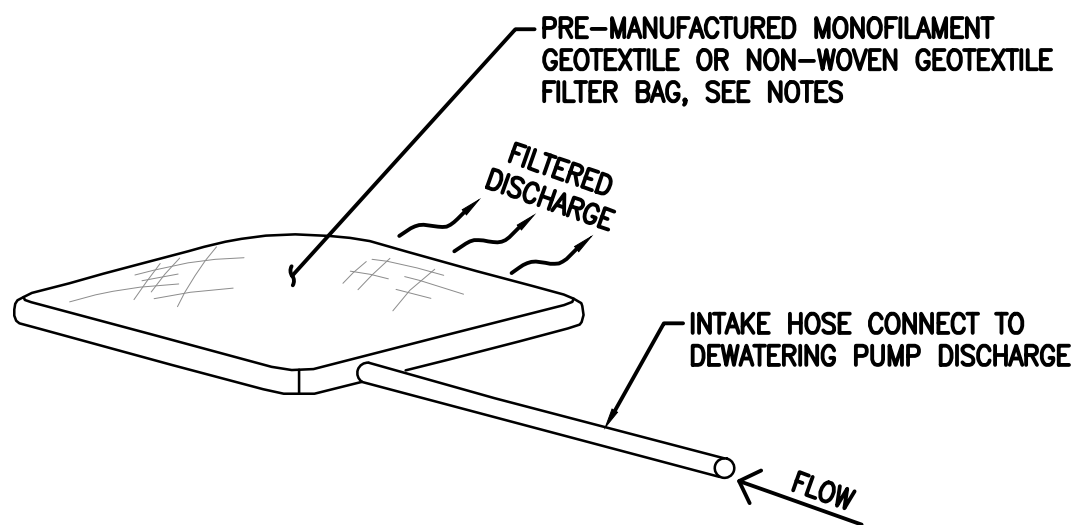


FRONT VIEW

NOTES:

1. COFFERDAM SHALL BE CONSTRUCTED BY THE CONTRACTOR WITH ROUNDED PEA GRAVEL BAGS, OR OTHER MEANS PRE-APPROVED BY THE ENGINEER. GRAVEL BAGS SHALL BE CONSTRUCTED OF WOVEN SYNTHETIC FIBER. NO ANGULAR OR CRUSHED MATERIALS MAY BE USED. GRAVEL BAGS SHALL BE WASTEHAULED AFTER REMOVAL OF TEMPORARY STREAM DIVERSION.
2. THE HEIGHT AND WIDTH OF THE COFFERDAM SHALL BE DETERMINED BY THE CONTRACTOR BASED ON THE WATER SURFACE ELEVATION AND CHANNEL SHAPE AT THE TIME OF CONSTRUCTION. THE COFFERDAMS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER. THE AVERAGE MAXIMUM DAILY FLOW AND MAXIMUM DAILY FLOW DURING THE IN-STREAM WORK WINDOW FROM USGS GAGE #12021000 IS 62 CFS (BASE FLOW) AND 130 CFS (CONTINGENCY FLOW), RESPECTIVELY.
3. REMOVE LOOSE COBBLES AND BOULDERS FROM THE STREAMBED PRIOR TO INSTALLING COFFERDAM.
4. EXTEND BOTH ENDS OF THE COFFERDAM UP THE BANKS OF THE CHANNEL AS NEEDED TO PREVENT THE STREAM FROM END-RUNNING THE COFFERDAM.
5. COFFERDAM SHALL BE MAINTAINED BY THE CONTRACTOR AND IMPROVED AS NECESSARY AND DIRECTED BY THE ENGINEER.
6. CONTRACTOR SHALL HAVE ON SITE, EMERGENCY DIVERSION PIPE AND APPURTENANCES IN THE EVENT OF HIGH FLOWS. SEE THE CONTRACT PROVISIONS AND HPA FOR ADDITIONAL INFORMATION ON TEMPORARY STREAM DIVERSION.
7. COFFERDAM MATERIALS SHALL BE REMOVED FROM THE SITE AND BECOME PROPERTY OF CONTRACTOR.

1
5 COFFER DAM DETAIL
NOT TO SCALE



NOTES:

1. FILTER BAG SHALL BE MINIMUM 10-FT X 15-FT AND REPLACED AS NEEDED TO ACCOMMODATE ACTUAL SEDIMENT LOAD CONDITIONS (I.E. VOLUME, TYPE OF SEDIMENT, ETC.)
2. DRAIN FILTER BAG TO COUNTY APPROVED RECEIVING AREA. RECEIVING AREA SHALL BE VEGETATED AND UPLAND OF THE OHWM AND TURBIDITY MONITORING STATION.
3. FILTER BAG SYSTEM TO BE INSPECTED DAILY WHEN IN USE TO VERIFY ADEQUATE PERFORMANCE.
4. TURBIDITY MONITORING STATION INSTALLED AND MAINTAINED. SEE SPECIAL PROVISIONS FOR TURBIDITY MONITORING REQUIREMENTS. SHOULD A TURBIDITY EXCEEDENCE OCCUR, THE FILTER BAG SYSTEM IS TO BE INSPECTED IMMEDIATELY AND REPLACED IF ANOTHER SEDIMENT SOURCE IS NOT IDENTIFIED.

2
5 FILTER BAG DETAIL
NOT TO SCALE

SHEET 11 TEMPORARY STREAM DIVERSION DETAILS

DATE: JUNE 2026

APPLICANT: LEWIS COUNTY PUBLIC WORKS

REFERENCE #:

ADJACENT PROPERTY OWNERS: SEE JARPA FORM

PURPOSE: BRIDGE SCOUR REPAIR

LAT/LONG: 46.50602N. LAT. / -123.12150W. LONG.

SITE LOCATION ADDRESS: 2163 WILDWOOD RD, CURTIS, WA 98538

PROPOSED PROJECT: WILDWOOD ROAD MP 10.14 BRIDGE SCOUR REPAIR PROJECT

WATER BODY: SOUTH FORK CHEHALIS RIVER

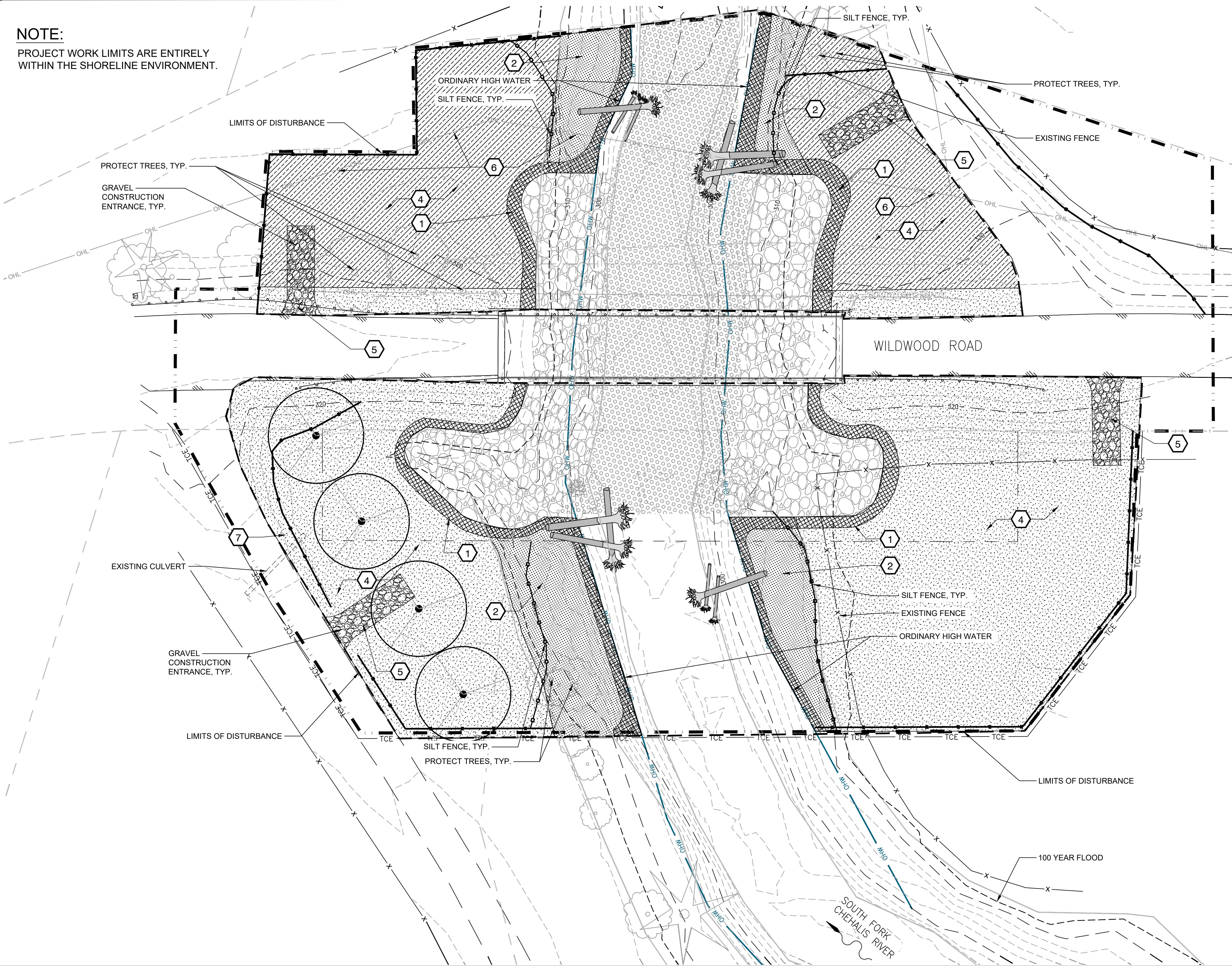
NEAR: CURTIS

COUNTY: LEWIS

STATE: WA

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NOTE:
PROJECT WORK LIMITS ARE ENTIRELY
WITHIN THE SHORELINE ENVIRONMENT.



CONSTRUCTION NOTES:

- 1 LIVE STAKES
- 2 RIPARIAN SEED MIX AND PLANTING
-PLACE 12 INCHES OF TYPE B TOPSOIL
-PLACE 24 INCH DIAM. MULCH RING AT TREES/SHRUBS
-INSTALL BROWSE PROTECTORS
- 3 UPLAND SEED MIX AND PLANTING
-PLACE 12 INCHES OF TYPE B TOPSOIL
-PLACE 24 DIAM. MULCH RING AT TREES/SHRUBS
-INSTALL BROWSE PROTECTORS
- 4 UPLAND SEED MIX
-PLACE 4 INCHES OF TYPE B TOPSOIL
- 5 REMOVE CONSTRUCTION ENTRANCE AND APPLY UPLAND SEED MIX AFTER PLACING 4" OF TYPE B TOPSOIL
- 6 NO TREES ARE TO BE PLANTED WITHIN 10 FT OF OVERHEAD POWERLINE
- 7 REPLACE EXISTING SCREENING TREES IN CULVERT AREA

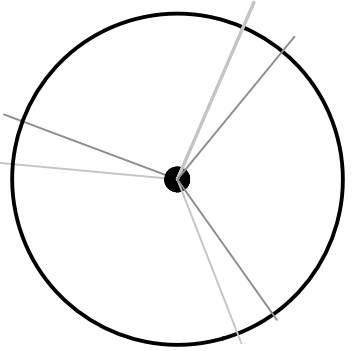
NOTE: ALL PLANTING WORK PAID WITH 'LANDSCAPE RESTORATION' BID ITEM

GENERAL NOTES:

- 1) SEE PLANT SCHEDULE, DETAILS AND NOTES SHEET 13.
- 2) ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED IN ACCORDANCE WITH PROJECT PLANS AND CONSTRUCTION SPECIFICATIONS.
- 3) STAKE THE LIMITS OF PLANTING AREAS FOR APPROVAL BY THE ENGINEER PRIOR TO PLANTING INSTALLATION.
- 4) SEE STREAM SHEETS, REVETMENT PLANS, AND DETAILS.

PLANTING LEGEND:

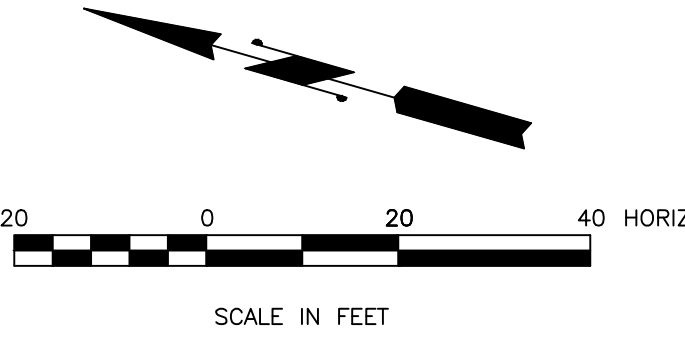
- 2,992 SF PLANTING ZONE 1 - LIVE STAKES
- 6,025 SF PLANTING ZONE 2 - RIPARIAN SEED MIX AND PLANTING
- 24,102 SF PLANTING ZONE 3 - UPLAND SEED MIX
- 11,206 SF PLANTING ZONE 4 - UPLAND SEED MIX AND PLANTING



4 ACER MACROPHYLLUM, BIGLEAF MAPLE

STREAM LEGEND:

- EXPOSED RIP RAP
- BLENDED STREAMBED AGGREGATE
- LARGE WOOD DEBRIS



SHEET 12 RESTORATION PLAN

DATE: JUNE 2026

APPLICANT: LEWIS COUNTY PUBLIC WORKS

REFERENCE #:

ADJACENT PROPERTY OWNERS: SEE JARPA FORM

PURPOSE: BRIDGE SCOUR REPAIR

LAT/LONG: 46.50602N. LAT. / -123.12150W. LONG.

SITE LOCATION ADDRESS: 2163 WILDWOOD RD, CURTIS, WA 98538

PROPOSED PROJECT: WILDWOOD ROAD MP 10.14 BRIDGE SCOUR REPAIR PROJECT

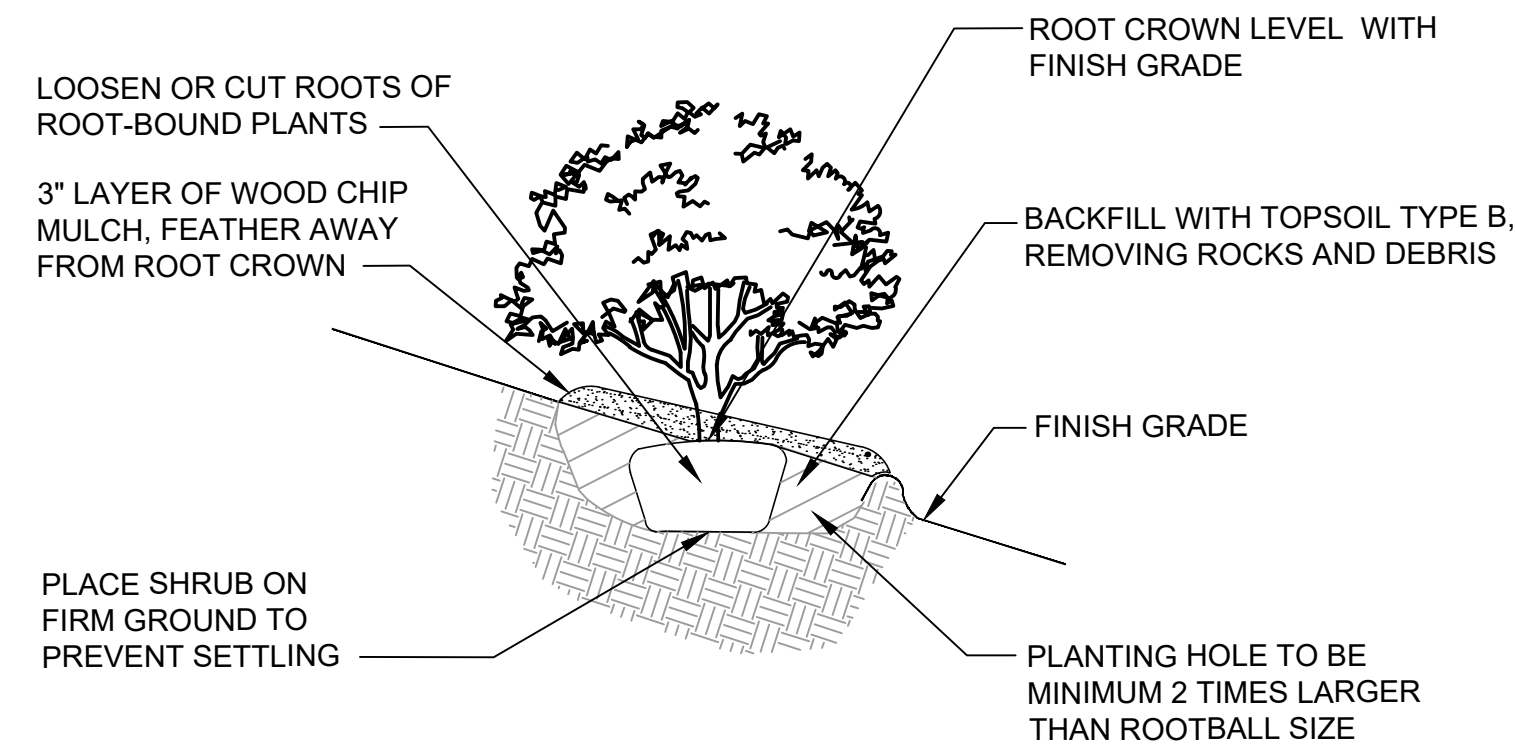
WATER BODY: SOUTH FORK CHEHALIS RIVER

NEAR: CURTIS

COUNTY: LEWIS

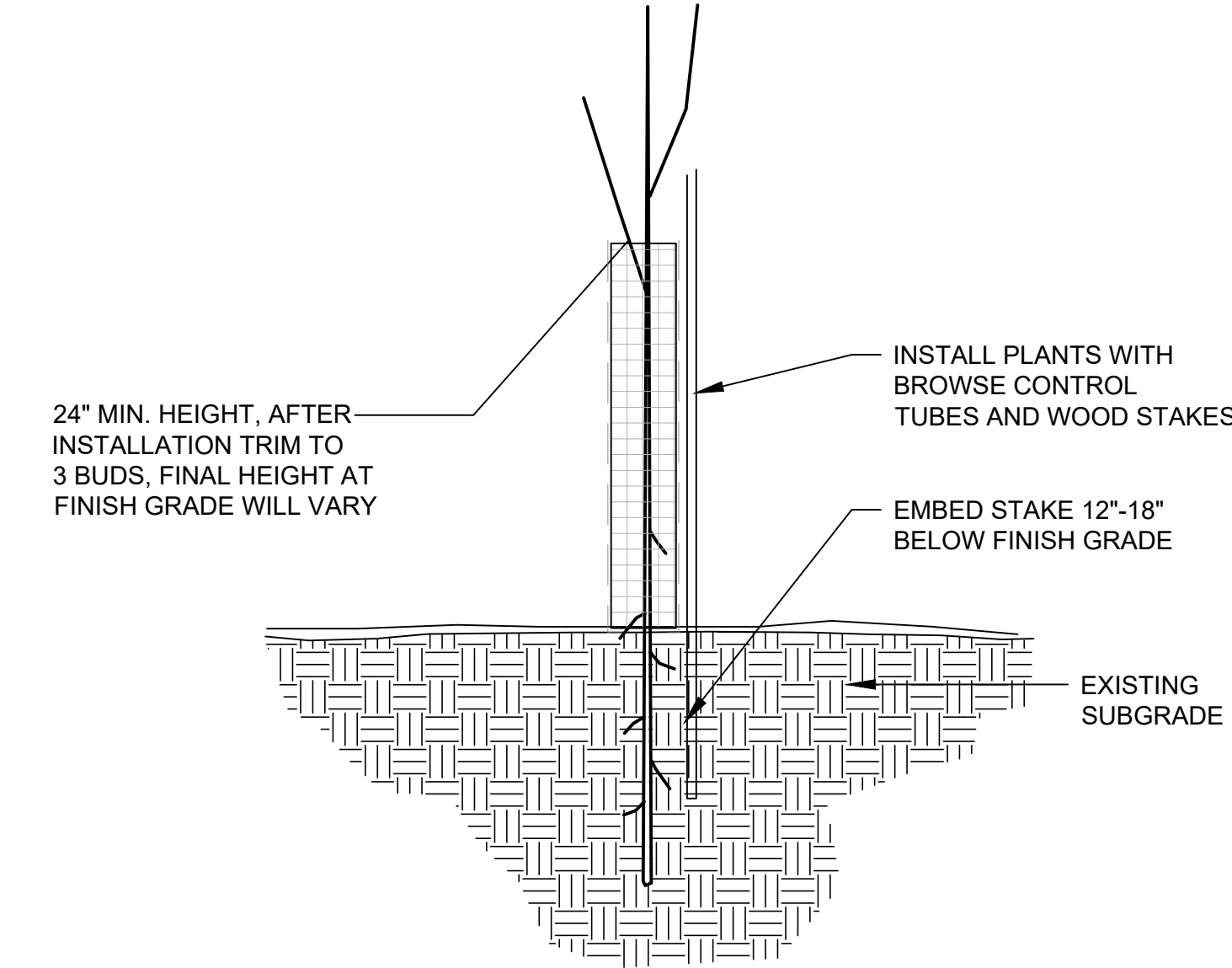
STATE: WA

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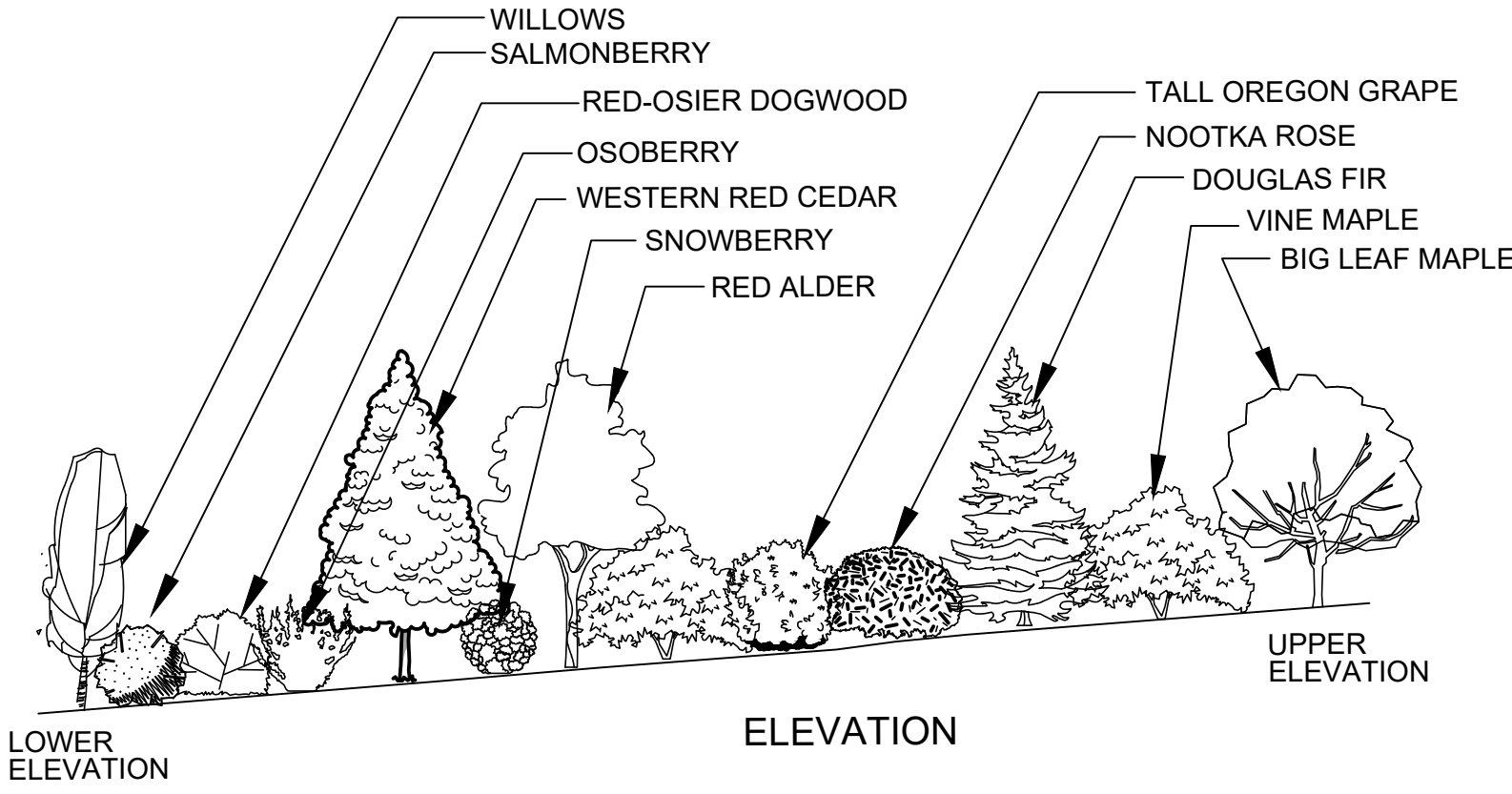
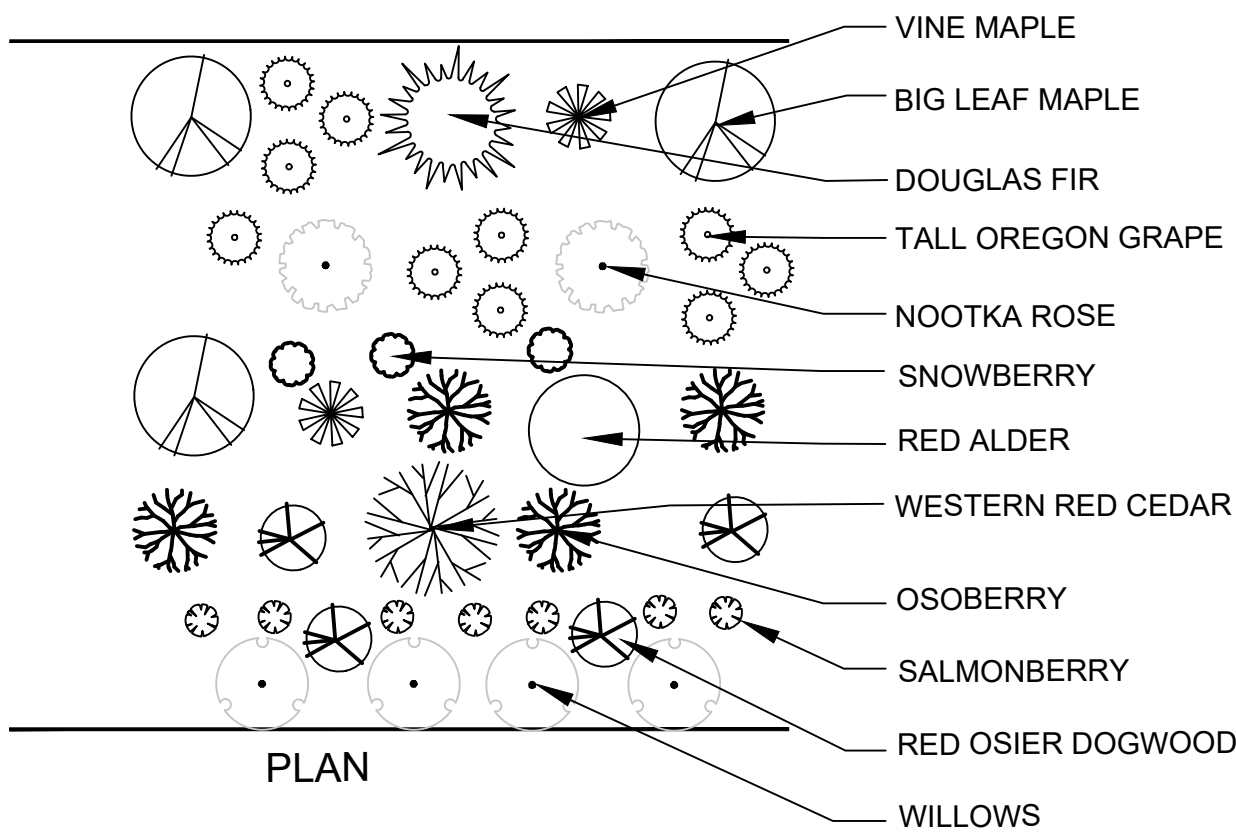
RESTORATION SHRUB/TREE PLANTING ON SLOPE

Scale: N.T.S.



BROWSE GUARD

Scale: N.T.S.



TYPICAL UPLAND AND RIPARIAN PLANTING

Scale: N.T.S.

PLANT MATERIAL:

1. PLANT MATERIAL MUST BE SOURCED FROM NATURALLY OCCURRING POPULATIONS BELOW 1,000 FEET ELEVATION IN AN AREA BOUNDED BY THE COAST RANGE TO THE WEST, THE CASCADE RANGE TO THE EAST, CENTRALIA, WA TO THE NORTH, AND COTTAGE GROVE, OR TO THE SOUTH. CONTRACTOR SHALL PROVIDE PROOF OF SOURCE TO OWNER PRIOR TO DELIVERING THE PLANT MATERIAL TO THE SITE.
2. PLANT TREES IN GROUPS OF 3-5 AND SHRUBS IN GROUPS OF 5, IN ACCORDANCE WITH DETAILS AND NOTES.
3. UNIFORMLY DISTRIBUTE PLANT SPECIES IN EACH CONTIGUOUS AREA AND AS DIRECTED BY THE ENGINEER.
4. PLANT MATERIAL INSTALLATION MEANS AND METHODS TO BE IN ACCORDANCE WITH WSDOT STANDARD PLAN.

UTILITY NOTES:

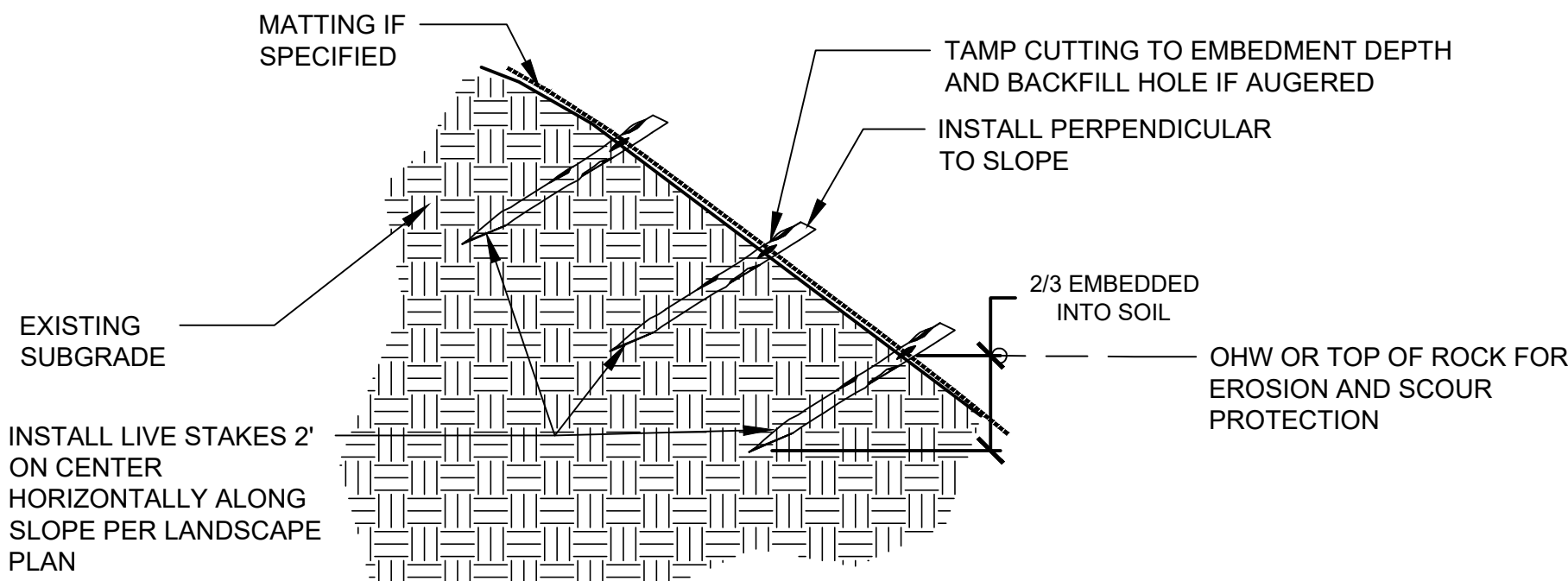
1. CONTRACTOR IS CAUTIONED THAT EXISTING UNDERGROUND FACILITIES OCCUR THROUGHOUT THE WORK AREAS INCLUDING BUT NOT LIMITED TO POWER, GAS, TELEPHONE, WATER SUPPLY, AND IRRIGATION. CONTRACTOR SHALL MARK THE FACILITIES BEFORE WORK, POT HOLE WHERE NECESSARY, AND PROTECT DURING CONSTRUCTION. IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE IF ANY CONFLICTS ARE FOUND.

LANDSCAPE NOTES:

1. THE LANDSCAPE CONTRACTOR IS TO THOROUGHLY REVIEW THE SITE. IF THERE ARE ANY DISCREPANCIES BETWEEN THE PLAN AND THE EXISTING CONDITIONS NOTIFY THE ENGINEER IMMEDIATELY.
2. PROVIDE QUANTITY OF PLANT MATERIAL INDICATED IN PLANT LIST OR THE QUANTITY REQUIRED TO COVER AREAS INDICATED AT SPECIFIED SPACING, WHICHEVER IS GREATER.
3. LEAVE PLANT NAME IDENTIFICATION TAGS ON TEN PERCENT OF ALL TREES AND SHRUBS INSTALLED TO AID INSPECTORS IN VERIFYING THAT SPECIFIED PLANTS HAVE BEEN INSTALLED.
4. INVASIVE SPECIES/WEED CONTROL: REMOVE ALL WEEDS AND INVASIVE SPECIES INCLUDING BUT NOT LIMITED TO BLACKBERRY, TEASEL, ST. JOHN'S WART, REED CANARY GRASS, BIRDSFOOT TREFOIL, PRICKLY LETTUCE, SOWTHISTLE, AND TANSY RAGWORT WITHIN PROJECT LIMITS UNLESS OTHERWISE DIRECTED. MEANS AND METHODS TO BE IN ACCORDANCE WITH LEWIS COUNTY STANDARDS.
5. LANDSCAPE RESTORATION, INCLUDING PLANTING AREA PREPARATION, PLANT SELECTION AND INSTALLATION, AND PLANT ESTABLISHMENT, SHALL CONFORM WITH THE REQUIREMENTS LISTED IN THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CHAPTER 8-02 ROADSIDE RESTORATION, AND THE SPECIAL PROVISIONS FOR THIS PROJECT.

PLANT SCHEDULE:

SYMBOL	COMMON NAME	BOTANICAL NAME	TYPE	SPACING/SEEDING RATE	QTY./LBS
	PLANTING ZONE 1-LIVE STAKES		AREA (SF/AC) =2,991/0.06		748
	Salix lasiandra	Pacific Willow	3'L Cutting, 1/2" DIA	2 FT O.C. Clusters of same species	290
	Salix scouleriana	Scouler Willow	3'L Cutting, 1/2" DIA	2 FT O.C. Clusters of same species	227
	Salix sitchensis	Sitka Willow	3'L Cutting, 1/2" DIA	2 FT O.C. Clusters of same species	230
	PLANTING ZONE 2 - RIPARIAN SEED MIX AND PLANTING		AREA (SF/AC) =6,025/0.14		6.02 LBS
	SEED MIX				
	Bromus carinatus	California brome	Seed	See Specifications	
	Elymus glaucus	Blue wildrye	Seed	See Specifications	
	Hordeum brachyantherum	Meadow Barley	Seed	See Specifications	
	SHRUBS				167
	Rubus spectabilis	Salmonberry	1 Gallon	6-FT OC	22
	Cornus sericea	Red-Osier Dogwood	1 Gallon	6-FT OC	30
	Mahonia aquifolium	Tall Oregon Grape	1 Gallon	6-FT OC	30
	Oemleria cerasiformis	Osoberry	1 Gallon	6-FT OC	30
	Symphoricarpos albus	Snowberry	1 Gallon	6-FT OC	30
	Rosa nutkana	Nootka Rose	1 Gallon	6-FT OC	25
	PLANTING ZONE 3 - UPLAND SEED MIX		AREA (SF/AC) = 24,102/0.55		24.12 LBS
	Agrostis exerata	Spike Bentgrass	Seed	See Specifications	
	Bromus carinatus	California Brome	Seed	See Specifications	
	Elymus glaucus	Blue Wildrye	Seed	See Specifications	
	Deschampsia cespitosa	Tufted Hair Grass	Seed	See Specifications	
	Hordeum brachyantherum	Meadow Barley	Seed	See Specifications	
	PLANTING ZONE 4 - UPLAND SEED MIX AND PLANTING		AREA (SF/AC) = 11,206/0.25		11.20 LBS
	SEED MIX				
	Agrostis exerata	Spike Bentgrass	Seed	See Specifications	
	Bromus carinatus	California Brome	Seed	See Specifications	
	Elymus glaucus	Blue Wildrye	Seed	See Specifications	
	Deschampsia cespitosa	Tufted Hair Grass	Seed	See Specifications	
	Hordeum brachyantherum	Meadow Barley	Seed	See Specifications	
	TREES				15
	<i>Tree quantities include tree mitigation for the (#) tree removals</i>				
	Thuja plicata	Western Red Cedar	2 Gallon	15-FT O.C.	2
	Alnus rubra	Red Alder	2 Gallon	15-FT O.C.	4
	Pseudotsuga menziesii	Douglas Fir	2 Gallon	15-FT O.C.	2
	Acer circinatum	Vine Maple	2 Gallon	15-FT O.C.	3
	Acer macrophyllum	Big Leaf Maple	2 Gallon	15-FT O.C.	4
	SHRUBS				12
	Rubus spectabilis	Salmonberry	1 Gallon	6-FT OC	3
	Cornus sericea	Red-Osier Dogwood	1 Gallon	6-FT OC	3
	Oemleria cerasiformis	Osoberry	1 Gallon	6-FT OC	2
	Symphoricarpos albus	Snowberry	1 Gallon	6-FT OC	2
	Mahonia aquifolium	Tall Oregon Grape	1 Gallon	6-FT OC	2



LIVE STAKE PLANTING ALONG OHW

Scale: N.T.S.

SHEET 13 RESTORATION DETAILS

DATE: JUNE 2026

APPLICANT: LEWIS COUNTY PUBLIC WORKS

REFERENCE #:

ADJACENT PROPERTY OWNERS: SEE JARPA FORM

PURPOSE: BRIDGE SCOUR REPAIR

LAT/LONG: 46.50602N. LAT. / -123.12150W. LONG.

SITE LOCATION ADDRESS: 2163 WILDWOOD RD, CURTIS, WA 98538

PROPOSED PROJECT: WILDWOOD ROAD MP 10.14 BRIDGE SCOUR REPAIR PROJECT

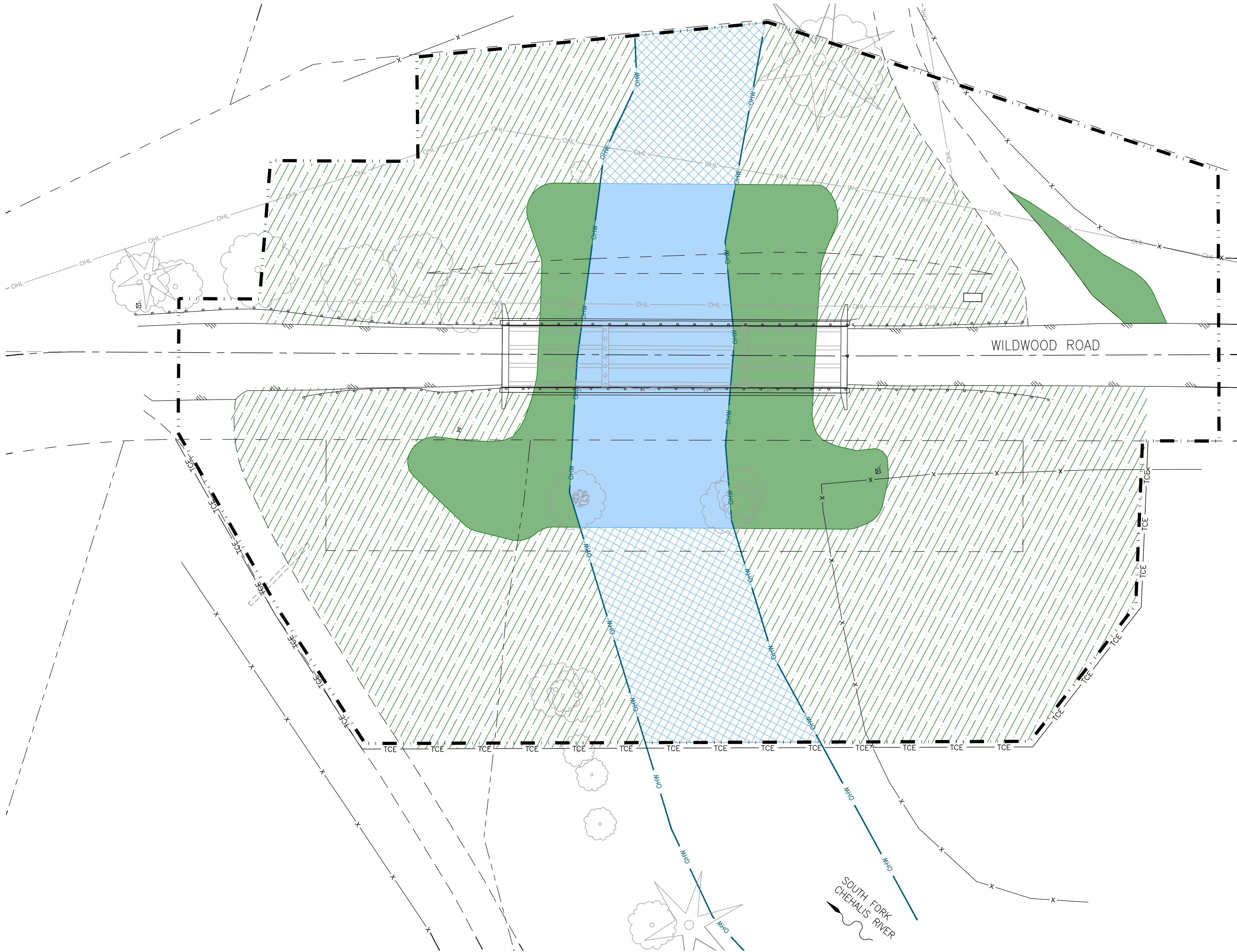
WATER BODY: SOUTH FORK CHEHALIS RIVER

NEAR: CURTIS

COUNTY: LEWIS

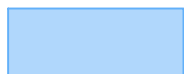
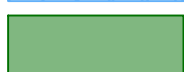
STATE: WA

Jun 22, 2026 - 10:38am
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WATERBODY IMPACT	AREA (SF)
PERMANENT STREAM IMPACTS	6620
TEMPORARY STREAM IMPACTS	6964
PERMANENT SHORELINE VEGETATION IMPACTS	8770
TEMPORARY SHORELINE VEGETATION IMPACTS	41370

LEGEND

-  PERMANENT STREAM IMPACTS
-  TEMPORARY STREAM IMPACTS
-  PERMANENT SHORELINE VEGETATION IMPACTS
-  TEMPORARY SHORELINE VEGETATION IMPACTS
-  TCE TEMPORARY CONSTRUCTION EASEMENT
-  OHW ORDINARY HIGH WATER
-  PROJECT LIMITS

SHEET 14 IMPACTS

DATE: JUNE 2026

APPLICANT: LEWIS COUNTY PUBLIC WORKS

REFERENCE #:

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