Exhibit H
Special Provisions

Special Provisions

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Introduction

Divisions 2-9 of the Washington State Department of Transportation's Standard Specifications for Road, Bridge And Municipal Construction 2023 (WSDOT Standard Specifications) shall apply unless otherwise noted in the following special provisions. Division 1 of the WSDOT Standard Specifications does not apply, except as explicitly identified below. As used in the WSDOT Standard Specifications. The “Contracting Agency” “Owner,” and “Engineer” shall be the Cowlitz Indian Tribe. Additional specifications in the following contract sections are included for items not covered by the WSDOT Standard Specifications.

General Requirements

There shall be no smoking on Land Trust Property.

The Contractor shall provide a full-time onsite superintendent whenever work is occurring onsite.

The Contractor shall not use Owner’s controlled property other than that directly affected by the Contract Work without the approval of the Owner. If the Owner grants such approval, the

Contractor shall then vacate the area when ordered to do so by the Owner. Approval to temporarily use the property shall not create entitlement to further use or to compensation for conditions or requirements imposed.

Comply with Division 1 of the Standard Specifications as follows:

1.01.2 Abbreviations

1.01.3 Definitions

1-07.3 Fire Prevention and Merchantable Timber Requirements

1-07.4 Sanitation

1-07.5 Environmental Regulation

1-07.11 Requirements for Non-discrimination

1-07.15 Temporary Water Pollution Prevention (as modified below)

1-07.16 Protection and Restoration of Property

1-07.17 Utilities and Similar Facilities

1-09.6 Force Account

Comply with Division 1 of the Standard Specifications (only those identified above) modified as follows:

1-07 Changes to Laws to be Observed

1-07.15(1) Spill Prevention, Control, and Countermeasures Plan – Add the following to the end of this subsection:

The Contractor shall be aware that the project site is prone to flooding and is responsible to monitor incoming weather and flow levels to protect equipment and the site accordingly.

1-09.6 Force Account – [**Reserved – Amendment to follow**]

Division 2 – EARTHWORK

Comply with Division 2 of the Standard Specifications modified as follows:

2-01 Clearing, Grubbing, and Roadside Cleanup

2-01.1 Description – In the paragraph that begins "The Contractor shall clear, grub, and clean up those areas…" add the following to the end of the paragraph:

The Contractor shall salvage and stockpile or distribute the material as follows:

a. All routes and perimeter (extents) of proposed clearing, grubbing, staging, stockpiling or equivalent areas shall be walked, flagged, and approved by Owner prior to any disturbance.
b. Clearing and Grubbing shall tip over trees to be removed and salvaged as Slash, Salvaged Small Trees, or Salvaged Large Trees.
c. Existing trees and other vegetation, where shown in the Plans or designated by the Owner, shall be saved and protected through the life of the Contract. The contractor shall provide visual barriers around large trees close to operations, or as designated by the Owner, to protect damage to existing trees.
d. Excess soil shall be removed from the rootwad by shaking the tree and bole so the rootwad complexity is not damaged and rootwad shall remain attached to bole/stem.
e. Slash shall be considered any native vegetation with trunks less than 12 inches diameter.
f. Trees and slash salvaged shall be stockpiled until they are used in the work.
g. Slash material generated from establishing access routes shall be temporarily stored adjacent to access routes and be spread over the access routes when access routes are decommissioned as approved by the or Owner.
h. Clearing and grubbing that produces trees and slash other than establishing access routes shall be used and incorporated into log habitat structures or used for covering disturbed areas as directed by Owner.
i. Open burning of residue from land clearing is not allowed.

2-01.3(1) Clearing – Replace this sentence "Fell trees only within the area to be cleared" with the following:

Contractor shall tip trees (with rootwads intact) within areas to be cleared. Except for areas designated by the Contract Documents, the Contractor shall not injure, or destroy trees and vegetation, nor remove, cut, or disturb them, to be cleared or without approval of the Owner. Any damage caused by the Contractor's equipment or operations shall be restored as nearly as possible to its original condition at the Contractor's expense.

2-01.3(2) Grubbing – Add the following to the list "Grub all areas"

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Grubbing is necessary at access roads, staging and stockpile areas and at sprayer platform locations, where shown on the Plans. Clearing and grubbing for Impounded Sediments Dewatering will be incidental to Impounded Sediments Dewatering.

2-01.4 Measurement – Add the following to the end of this subsection:

Clearing and grubbing associated with Impounded Sediments Dewatering in the Dewatering/Processing Area and Alternate Dewatering/Processing Area, or any other areas approved in writing by Owner, shall be considered incidental to Impounded Sediments Dewatering. Increased clearing and grubbing requirements associated with the Dewatering/Processing Area and Alternate Dewatering/Processing Area shall be considered incidental to clearing and grubbing.

2-02 Removal of Structures and Obstructions

2-02.2 Description – Add the following to the end of this section:

This Work consists of removal of the Kwoneesum Dam and its appurtenances, including, but not limited to, the spillway, and reuse of rock and dam core materials salvaged from the dam and spillway demolition.

2-02.3 Construction Requirements – Replace the paragraph that begins "When salvageable material is to remain Contracting Agency property..." with the following:

Remove Existing Dam and Spillway, Haul and Disposal includes:

- Removal of dam and all appurtenances including all reinforced concrete, and haul and disposal offsite.
- Removal of rock down to proposed streambed grade. Removal of rock to proposed streambed grade includes beneath proposed streambanks to the lateral extent of bedrock.
- Haul rock to the stockpile area shown on the Plans east of the dam.

Contractor may begin removal of existing dam and spillway after the Owner has confirmed minimum 5 feet of freeboard as measured from water surface elevation to spillway, and provided written approval to commence. Minimum of 5 feet of freeboard shall be maintained at all times per dam safety requirements. Salvageable material that remains as Owner's property includes existing rock and soils located in the dam and the spillway. A portion of this material will be salvaged for reuse for Temporary Access Roads (Off Road), Temporary Access Roads (Wildboy), Temporary Access Roads (Spillway and Reservoir), Channel Excavation Including Haul, Channel Excavation Including Haul Force Account (if approved in writing by Owner), Large Wood Structures Installation – Dam Removal Area, Large Wood Structures Installation – North Tributary, Large Wood Structures Installation – East Tributary, Large Wood Structures Installation – West Tributary, Large Wood Structures Installation – Ephemeral Tributary, Floodplain Wood Placement, Haul and Installation Boulder Haul and Install with Rock Anchor - Wildboy Creek, Boulder Haul and Install - Wildboy Creek, and Allowance Bid Items (if approved in writing by Owner), Crush Rock Onsite (quantities approximate), and Crushed Rock and Concrete Aggregate Placement (quantities approximate). All remaining volumes of rock generated from Remove Existing Dam and Spillway, Haul and Disposal shall be buried in the stockpile area or existing spillway footprint and covered with Common Borrow Including Haul overlain with a 6-inch minimum depth of Topsoil, Type B. The dam is estimated to be approximately 21,000 cubic yards in-place volume. Burial of remaining volumes of rock generated from Remove Existing Dam and Spillway, Haul and Disposal shall be incidental to Remove Existing Dam and Spillway, Haul and Disposal. All concrete shall be hauled offsite and disposed of properly and according to all project permit requirements and applicable regulations. No concrete shall be buried onsite.

2-02.3(2)A Bridge and Structure Removal – Add the following:

The Contractor shall perform dam and spillway removal as shown on the Plans, Standard Specifications and Special Provisions.

2-02.4 Measurement – Add this subsection:
"Remove Existing Dam and Spillway, Haul and Disposal" will be Measured by Lump Sum.

2-02.5 Payment – Replace this subsection, except for the subsection title and number, with the following:

Payment shall be considered full compensation for all equipment, labor, tools, materials, and incidentals necessary to complete this work as specified. "Remove Existing Dam and Spillway, Haul and Disposal," will be paid as Lump Sum.

If Crush Concrete Onsite (quantities approximate) allowance is approved by Owner, it shall be crushed and used as a portion of the road rehabilitation aggregate, and it will be paid through, "Remove Existing Dam and Spillway, Haul and Disposal Force Account", per Price Sheet, and/or Road Repair Force Account, per Price Sheet, and/or Crush Concrete Onsite (Allowance).

2-03 Roadway Excavation and Embankment

2-03.1 Description – Replace the first paragraph with the following:

The Work described in this section, regardless of the nature or type of the materials encountered, includes excavating and grading Kwoneesum Dam and its reservoir, excavating in borrow pits, excavating below grade, excavating channels and ditches, removing slide material, and reuse of all excavated material. These activities may be performed in making cuts, embankments, slopes, ditches, approaches, parking areas, and in completing related Work. The Work includes the removal of concrete and dam appurtenances as described in Section 2-02 when these items lie within an excavation area.

1. The Contractor shall be responsible for managing excavation materials.
    a. The Contractor shall provide Topsoil Type B as a suitable medium for native vegetation in the reservoir, dam and spillway footprint in accordance with Section 8-02 of the Standard Specifications and as modified by the Special Provisions.
    b. The dry volume of Impounded Sediments is estimated to be approximately 2800 to 3200 CY. Reuse of Impounded Sediments and mixing with onsite soils is essential to provide Topsoil Type B to establish native vegetation in the reservoir footprint following construction. Topsoil, Type B material required in these contract documents is generated from 1/3 dewatered impounded sediments and mixed with 2/3 Common Borrow soils from the stockpile area to provide the minimum volume required to spread a 6-inch depth of Topsoil, Type B in footprint of the former reservoir, dam and spillway areas. If impounded sediments are otherwise wasted or less than 2800 CY of dewatered impounded sediments is subsequently available for Type B Topsoil mixing as documented by Owner, Contractor shall import sufficient topsoil to satisfy Topsoil Type B requirement. If import is required, Contractor shall work with Owner to conduct inspections and testing of alternate topsoil prior to Owner providing written approval for substitution of processed impounded sediments.
2. Portions of work will be in water. The Contractor is informed that water will be encountered throughout the excavation area. Isolation/diversion and management of

any and all spring or seeps within the reservoir full pool footprint will be incidental to Initial Drawdown.

3. Plan and execute earthwork in a manner to minimize duration of exposure of unprotected soils.
4. Grading to shape of excavation as shown in the Plans.
    a. The shape shown on the Plans may be altered by the Contractor with Owner and Engineer approval based on the Contractor's proposal to perform the work and the fit in the field nature of channel excavation for stream restoration and fish passage. Contractor shall be advised that fit-in-the field adjustments shall be considered incidental to lump sum bid item.
    b. Channel Excavation spoils shall be used to create Earth Embankments within the footprint of the former reservoir, dam and spillway, or stockpile area.
    c. Detail grading to shape of excavation as shown in the Plans. The shape shown on the Plans may be altered by the Owner if:
        i. Field conditions such as bedrock outcrops that may be left in place instead of removal if they do not interfere with the design intent of the project.
        ii. Based on different repurposing of onsite materials proposed by the Contractor and approved by the Owner.
        iii. Final grades in the reservoir footprint may be adjusted by the Owner based on field conditions and available materials if modification of PROPOSED channels can be minimized.
        iv. Other alterations as agreed upon by the Contractor and Owner in writing.
5. Reconfigure Dam Subgrade Foundation Material at the existing dam subgrade as shown on the Plans.
    a. This task shall require an operator with 5 years, minimum, experience in performing work for stream restoration projects and operating similar equipment and appropriately sized to perform this work.
    b. This work includes rearranging rock materials at the base of the existing dam to provide a stable streambed that resists erosive conditions. Smaller diameter rock materials will be removed between the dam's bedrock subgrade and proposed streambed grade to so that larger rock materials may be placed to provide adequate resistance to erosion. This includes beneath proposed streambanks to provide erosional resistance in the event of lateral migration. Voids in materials will be filled with finer rock materials and fines washed in until wash water surface flow occurs. The lateral and vertical extent of this work shall be as indicated on the Plans (sheets 27-30, 33 and 34), or modified by the Owner.
    c. This work may include removal of rock from the undercut cliff adjacent and upstream of the existing spillway.
    d. This work shall not commence until all dam material, including spoils, boulders/riprap, concrete and associated structures have been removed in their entirety. Contractor shall only commence after written approval from Owner and after drone flights to confirm final cut/grades and document full dam removal.
    e. All dam material, including spoils, boulders, riprap, concrete and associated structures shall be removed in their entirety unless otherwise approved in writing by Owner.
6. Common Borrow Including Haul may be sourced from within the reservoir footprint where approved in writing by Owner, or from the stockpile area. Another potential source of Common Borrow is the area is between the existing spillway and proposed East Tributary alignment. This area appears to have been filled during dam construction. If this area is approved and used, restoration of this area, including

final grades, slopes as directed by Owner and then placement of 6 inches of Topsoil Type B shall be incidental to Common Borrow including Haul.

7. Soft soils are present at the bottom of the reservoir. These soft soils require special considerations for excavation and haul of Impounded Sediments. Low ground pressure equipment may be needed to work in the bottom of the reservoir following tributary diversion and reservoir drawdown. This may include excavators on floats, wide tracks, or mats used to reduce ground pressures. Tracked trucks may also be necessary to haul impounded sediments. Other means and methods may include suction dredging or equivalents.
8. Salvaged Dam materials include the rock and soil materials and exclude concrete materials. Salvaged dam materials are estimated to be approximately 21,000 CY in-place volume.

2-03.3(1) Widening of Cuts – Replace the paragraph that begins "If routine cuts do not supply enough material to form the embankment…" with the following:

If routine cuts do not supply enough material to form the embankment, the Contractor shall obtain more material from areas within the project limits of disturbance as determined by the Owner. The Contractor shall dress the sides of the cuts to any slopes the Owner may require. This is incidental to Common Borrow Including Haul.

2-03.3(3) Excavation Below Subgrade – Add the following at the end of the Rock Excavation subsection:

Rock Excavation shall only be performed with prior approval from the Owner. A survey must be performed prior to any Rock Excavation.

2-03.3(14)C Compacting Earth Embankments - Add the following:

Earth embankments shall use Compaction Method A. When fill is not wide enough to be compacted by hauling equipment, the contractor shall compact by walking tracked equipment up and down the slope until observable settlement has ceased.

2-03.3(14)E Unsuitable Foundation Excavation - Add the following:

Impounded Sediments at the bottom of the reservoir shall be considered Unsuitable Foundation Excavation and shall be incidental to Impounded Sediments Dewatering.

a. The Impounded Sediments located at the bottom of the reservoir include fine soils (silts and clays) that shall be dewatered by means and methods proposed by the Contractor and approved by the Owner and Engineer for Impounded Sediments Dewatering.
b. The dewatered Impounded Sediments shall be dried and processed, mixed with Common Borrow and then spread within proposed upland and riparian areas in the former reservoir footprint to provide a growing medium for native vegetation. Common Borrow is located in the stockpile area as shown on the Plans or within the reservoir footprint where approved in writing by Owner.
c. The estimated wet volume of Impounded Sediments is approximately 36,000 CY assuming 14% solids *by weight* (remaining 86% water). Dry volume of Impounded Sediments is estimated to be approximately 2800 to 3200 CY.

d. Impounded sediments dewatering includes dewatering and processing suspended sediments and muck that have been deposited as a result of the dam impoundment.

Delete the following:
"If the Contract provides no Bid item for unsuitable foundation excavation, the Owner will pay as provided in Section 1-04.4."

2-03.3(14)J Gravel Borrow Including Haul – Add the following:

Gravel Borrow Including Haul shall be used as Streambed Substrate. The Contractor shall salvage sand and stream gravel deltaic deposits located where tributary channels enter the existing reservoir. These deltaic deposits shall be considered Gravel Borrow Including Haul. The deltaic gravels are estimated to be 1200 to 1800 CY deposited at the alluvial fans where the tributaries enter the existing reservoir. Gravel borrow is also available in the existing stockpile as 2-inch minus.

Contractor shall wash in fines as follows:

1. Place rock in streambed to a thickness of the D100 height.
2. Wash native silts and sands completely into rock lift using a 2-inch trash pump or Owner approved equivalent.
3. Continue building rock lifts and washing in fines until grades are met.

2-03.3(14)K Select or Common Borrow Including Haul – Add the following:

Select Borrow may be used to backfill large wood structures and as Channel Excavation fill. Select Borrow includes granular material 2 - 24 inches from existing stockpile or other Owner approved source areas.

2-03.3(14)M Excavation of Channels and Ditches – Replace this subsection, except for the subsection number and title, with the following:

Channel Excavation will include all excavation required to construct channel work shown on the Plans. This shall include adjustments to the channel work locations based on field conditions as directed by Owner.

a. Channel excavation will include but not limited to the following:
    i. Moving existing boulders, gravel, shrubs, trees or equivalents that impede temporary access through the channel and placing those materials back in the channel, as part of Large Wood Structures or as velocity breaks within the finished channel as directed by Owner (assume fit in the field).
    ii. Any localized dewatering.
    iii. Excavation associated with installation of Large Wood.

2-03.3(15) Aeration – Delete the sentence "The Contractor shall not use any aerating equipment listed above in tandem nor use any of this equipment to carry out other Bid items of Work while aerating."

2-03.4 Measurement – Replace this subsection, except for the subsection number and title, with the following:

“Earth Embankments Including Haul”, “Common Borrow Including Haul”, “Channel Excavation Including Haul”, “Gravel Borrow Including Haul” items will not be measured and are Lump Sum items.

“Rock Excavation” shall be measured by the Cubic Yard for which material can be removed only by continuous drilling, blasting or the use of pneumatic tools, and all boulders of 5 cubic yards in volume or larger. Quantities will be determined based on a survey performed prior to any rock excavation performed. A second survey will be performed following rock excavation to measure quantity of “Rock Excavation”.

“Channel Excavation Including Haul Force Account” and “Reconfiguring Dam Subgrade Foundation Material Force Account” shall be measured per Price Sheet.

2-03.5 Payment – Replace this subsection, except for the subsection number and title, with the following:

Payment shall be considered full compensation for all equipment, labor, tools, materials, and incidentals necessary to complete this work as specified.

Payment for “Earth Embankments Including Haul”, “Common Borrow Including Haul”, “Channel Excavation Including Haul”, and “Gravel Borrow Including Haul” items shall be paid as a Lump Sum.

Adjustments to channel work locations based on field conditions shall be incidental to “Channel Excavation Including Haul”.

Payment for “Rock Excavation” shall be per Cubic Yard.

Work performed rearranging rock materials at the subgrade of the existing dam where bedrock has been excavated will be paid through “Reconfiguring Dam Subgrade Foundation Material Force Account”, per Price Sheet.

No separate payment for compaction shall be made.

Division 8 – MISCELLANEOUS CONSTRUCTION

Comply with Division 8 of the Standard Specifications and modified as follows:

8-01 Erosion Control and Water Pollution Control

8-01.1 Description – Add the following:

The Contractor shall be aware that the project site is prone to flooding and is responsible to monitor incoming weather and flow levels to protect equipment and the site accordingly.

8-01.3(1) General – Add the following:

The Contractor shall collect all turbid surface waters prior discharge to clear surface water and pump turbid surface water to upland locations for infiltration or other means of complying with turbidity requirements. This includes any wash water used to wash fine sediments in the voids of rock.

8-01.3(1)A1 Temporary Erosion and Sediment Control Plan - Replace the first two paragraphs with the following:

1. The Contractor shall submit a TESC for the project to the Owner for approval. The TESC must satisfy the requirements of the Washington Department of Ecology NPDES Stormwater General Permit for Construction Activity and all other applicable permits. The TESC included in the Drawings and described herein is intended to provide a baseline for sediment and erosion control and does not ensure that the standards established by any applicable permits will be met. The Contractor may use these measures or alternative measures of their own design to ensure satisfactory performance and that the erosion control requirements of all applicable permits are met. The Contractor shall be named as the permit holder. The Contractor shall be responsible for implementing, inspecting, and filing reports, maintaining, replacing, and removing TESC and SPCC measures. The contractor shall be responsible for turbidity monitoring, documentation, and reporting. The plan shall include the name, address and 24-hour contact number of the person responsible for erosion prevention and sediment control measures. Elements of the TESC plan have been broken out for measurement and payment as described below.
2. Except for any work or storage area and access routes specifically assigned for the use of the Contractor, the areas outside the limits of construction shall be preserved in their present condition. Contractor shall confine their activities to areas defined for work within the Contract Documents.
3. Contractor shall restore all disturbed areas to pre-construction contours, including salvaging and replacing topsoil, decompaction, seeding with Owner approved native seed mix and placement of mulch and salvaged slash. Contractor shall conduct interim seeding with Regreen or Owner-approved equivalent to stabilize soils and protect slopes where needed to avoid sediment delivery to project waters prior to Permanent Seeding and site restoration efforts.
4. The Contractor shall include the following in the TESC plan:
    a. Temporary Stream Diversion Plan per 8-31.3(2) with contingency plan.
    b. Initial drawdown plan, including silt turbidity curtain, floating intakes, securing, and moving silt turbidity curtain and floating intakes, piping, pumping, sprayers, and sprayer platforms as shown on the Plans, or alternate contactor design that must be approved by the Owner and Washington Department of Ecology. The initial drawdown plan shall include operations planning and frequency, such as screen cleaning, adjusting silt curtain and floating intake restraints, monitoring plumes, adjusting pumping rates, and refueling.
    c. Storm Water Pollution Protection Plan (SWPPP).
    d. Dewatering operations including Impounded Sediments Dewatering and collecting turbid surface waters conveyed to upland areas for infiltration of turbid water flows. Dewatering operations shall include temporary dams, sumps, pumps, power supplies, piping, geotextile tubes (if proposed), temporary grading, and restoration of temporarily graded surfaces, sprayers and sprayer platforms, fine soils containment measures.
        i. The Impounded Sediments Dewatering shall include recovery of soils to be used to establish native vegetation in all graded areas including within the reservoir footprint, in accordance with Section 8-02 of the Standard Specifications and as modified by the Special Provisions.
        ii. Removal of all equipment and piping following dewatering.
        iii. The contractor shall sort, recover, mix, and provide Topsoil Type B for native vegetation establishment in reservoir footprint and impacted areas.

iv. Based on dam construction photographs, it appears that the area east of the spillway in the reservoir footprint may have capacity to be used for dewatering and processing impounded sediments following drawdown.

v. Alternative Dewatering/Processing Area may be used, as approved by Owner and Engineer in writing. Use and restoration of this area are incidental to Impounded Sediment Dewatering. Contractor shall clear and grub, scalp, and stockpile all topsoil and clear and grub material separately prior to utilizing any portions of the Alternative Dewatering/Processing Area. Engineer shall survey the area using UAV generated SfM after clearing and grubbing, before topsoil scalping, and after topsoil scalping to document grades/elevations and topsoil volume for replacement during restoration of the area, using available LiDAR as base elevations. Contractor shall not bury or otherwise dispose of materials in this area. After use, Contractor shall return area to pre-construction contours and grades and then by placing the following materials in order of: topsoil, seed and mulch, and slash (clear and grub material), as directed by Owner. Any work dewatering or processing sediments in the Dewatering/Processing Area or the Alternate Dewatering/Processing Area shall be subject to all requirements of this contract and be considered incidental to Impounded Sediments Dewatering.

1. Subsoils shall be spread back over Dewatering/Processing and Alternate Dewatering/Processing Areas so that finish grades are within 0.5 feet of the original ground surface and freely drain, or as otherwise directed by Owner.
2. All Topsoils that are stripped and stockpiled from the Dewatering/Processing and Alternate Dewatering/Processing Areas shall be spread back over Dewatering/Processing and Alternate Dewatering/Processing Areas at a consistent depth (± 0.2 feet) or as directed by Owner, so that finish grades freely drain.

e. Dam material handling and disposal plan. The material handling and disposal plan shall include concrete offsite haul-off and disposal details, including (if proposed) operations to separate steel reinforcement bar, stockpile, handling and disposal/recycling.

f. Three project site restoration plans as described in Section 8-02 of the Standard Specifications and as modified by the Special Provisions.

g. See Access Road decommissioning requirements in SP-8-26

5. Contractor shall provide a minimum of five fully stocked spill kits (one along each of the three tributary reaches (East, West and North Tributaries) and two within the Wildboy Creek project area, downstream of the dam. Crews shall be trained in its use.

8-01.3(1)C6 Environmentally Acceptable Hydraulic Fluid – Add the following:

All equipment being used below the ordinary high water mark shall utilize biodegradable hydraulic fluid.

8-01.4 Measurement – Add the following:

“Erosion Control and Water Pollution Prevention,” including all required materials, equipment, operations, removal, fish exclusion, and dewatering that is not included in “Impounded Sediments Dewatering”, will be measured by Lump Sum.

“Initial Drawdown”, including all required materials, equipment, operations, and removal will be measured by Lump Sum.

“Impounded Sediments Dewatering”, including all required materials, equipment, operations, processing and removal will be measured by Lump Sum. "Impounded Sediments Dewatering Force Account”, will be measured by Price Sheet.

8-01.5 Payment – Replace with the following:

Payment shall be considered full compensation for all equipment, labor, tools, materials, and incidentals necessary to complete this work as specified. Payment for “Erosion Control and Water Pollution Prevention”, “Initial Drawdown”, and “Impounded Sediments Dewatering” shall be by Lump Sum.

Any and all springs or seeps within the footprint of the reservoir full pool would be incidental to “Initial Drawdown”. Such incidental items may include, but are not limited to spring/seep diversion/dewatering and perimeter controls to contain sediment as the reservoir pool elevation descends.

Payment for Impounded Sediments Dewatering additional Owner-directed work shall be paid through "Impounded Sediments Dewatering Force Account", per Price Sheet.

“Temporary Stream Diversion”, including all required materials, equipment, operations and removal will be paid in accordance with Section 8-31.5 of the Special Provisions.

8-02 Roadside Restoration

– Add the following:

Replace “roadside restoration” with “project site restoration” throughout Section 8-02

8-02.3(4)B Topsoil Type B – Add the following:

Topsoil Type B shall be a mixture of one third Impounded Sediments and two thirds soil stockpiled onsite. Any proposed changes to the specified ratio and definition of Topsoil Type B, or topsoil substitution proposals shall be approved in writing by Owner. The Contractor shall protect topsoil stockpile from weed infestation.

Topsoil shall be placed to a 6-inch depth, minimum. The Contractor shall provide Topsoil Type B for native vegetation in the reservoir footprint and in any areas disturbed by Impounded Sediments Dewatering and staging/stockpiling.

8-26 Placement, Maintenance and Removal of Temporary Access Roads

– Replace this section title.

8.26.1 Description – Add this subsection number and title, and add the following:

This item consists of placement, maintenance and removal of temporary access roads shown on the Plans.

1. Temporary access roads shall assist construction operations and avoid or minimize damage to adjacent natural resources, and water, and air pollution.
2. Temporary site access shall be along alignments shown in the plans. Minor deviations to the alignments may occur as directed by the Owner to preserve sensitive areas or trees, or other features identified in the field. Deviations from the alignments shown in the plans shall be approved by Owner prior to use.
3. Increased access requirements associated with the Dewatering/Processing Area and Alternate Dewatering/Processing Area shall be considered incidental to Impounded Sediments Dewatering.
4. The Contractor shall be responsible for installation, maintenance and performance and removal and restoration of all access roads and routes.
5. The placement of access roads shall minimize disturbance to the existing vegetation, especially trees. Only trees and shrubs in direct conflict with the approved construction access road alignment shall be removed.
6. All slash generated to create temporary access roads and routes shall be placed beside access roads for re-use in the restoration of all temporary access roads and routes.
7. Contractor shall include stream crossings shown on the Plans. Access across tributary diversion dams is incidental to Temporary Stream Diversion. Other stream crossings and access alignments shown on the Plans are to be implemented following fish rescue, Temporary Stream Diversion, and dewatering of the channel.
8. The Contractor shall sequence erosion control dewatering, fish rescue, and Temporary Access Road construction to ensure compliance with all permits.
9. The Contractor shall provide materials used for construction access. Available materials include material stockpiled on site and rock materials salvaged from dam and spillway demolition. Rock is stockpiled in the staging area for Temporary Access Roads. Rock sourced from the dam and spillway can supplement rock already stockpiled on site as it becomes available.
10. Excavation cut and fill for access roads is incidental to Temporary Access Roads which includes, but is not limited to, Temporary Access Roads (Off Road), Temporary Access Roads (Vehicles), Temporary Access Roads (Wildboy), Temporary Access Roads (Spillway and Reservoir). Any and all other access potentially needed by Contractor (if approved by Owner) shall be considered incidental.
11. Following the conclusion of project construction and upon approval of the Owner, Temporary Access roads and materials shall be removed, and the areas impacted by these operations shall be restored. Restoration of access roads in Wildboy Creek shall include repurposing access road materials as rock fill placed upstream of large wood structures as shown on the Plans.'
12. Site access routes shall be maintained and restored to original or better condition, including returning to pre-construction contours, decompaction, and installation of erosion controls. Salvaged slash and other erosion control materials (straw wattles, straw, etc.) shall be used.
13. Permanent Access Roads including, but not limited to, the existing Land Trust and Weyerhaeuser access roads used by Contractor shall be maintained by Contractor throughout construction in equal or better condition to road condition at Contractor mobilization. For the purposes of this agreement, maintenance is defined as the work normally necessary to preserve and keep the roadway, road structure and road facilities as nearly as possible in their present condition or as hereafter improved. Contractor shall assume this may include periodic grading, blading, rock placement, and compaction. Contractor shall leave all permanent access roads in equal or better condition after Contractor demobilization. All access road maintenance and repairs shall be incidental to Blade and Grade and Maintain All Existing Access Roads bid item.

8-26.2 Measurement – Add this subsection number and title, and add the following:

All temporary access roads shown on the Plans, shall be measured as Lump Sum:

"Temporary Access Roads (Off Road)"
"Temporary Access Roads (Vehicles)"
"Temporary Access Roads (Wildboy)"
"Temporary Access Roads (Spillway and Reservoir)"

Any spurs or other changes to alignments shown on the Plans shall be approved by the Owner in writing prior to use and shall be considered incidental to Temporary Access Roads.

"Blade and Grade and Maintain All Existing Access Roads", shall be measured as Lump Sum.

"Road Repair Force Account", shall be measured per Price Sheet.

8-26.3 Payment – Add this subsection number and title, and add the following:

Payment shall be considered full compensation for all equipment, labor, tools, materials, and incidentals necessary to complete this work as specified.

Payment will be made for the following Bid items when included in the Proposal:
"Temporary Access Roads (Off Road)", lump sum.
"Temporary Access Roads (Vehicles)", lump sum.
"Temporary Access Roads (Wildboy)", lump sum.
"Temporary Access Roads (Spillway and Reservoir)", lump sum.
Any and all other access potentially needed (if approved by Owner) shall be considered incidental to Temporary Access Roads.

Payment for "Blade and Grade and Maintain All Existing Access Roads", shall be Lump Sum.

Payment for additional road-related repairs as directed by Owner including, but not limited to, additional access barriers, boulder/barricade placement, small culverts/cross-drains, waterbars tank traps or equivalents shall be through "Road Repair Force Account", per Price Sheet.

8-27 Channel Work

– Replace this section title.

8-27.1 Description – Add this subsection number and title, and add the following:

This item consists of work required to construct proposed channels as shown on the Plans including wood placements, large wood anchoring, boulder placements and other work required to construct channels, excluding channel excavation. This shall include adjustments to the Large Wood Structure locations based on field conditions as directed by Owner.

Large wood structure installations require heavy equipment operators experienced in stream restoration and log/boulder placement. Given the fit-in-the-field nature of stream and habitat restoration, Equipment Operators who repeatedly fail to follow the Owner or Engineer's written or oral orders, directions, instructions, or determinations, or fails to display competency at said tasks, shall be subject to removal from the specified tasks. Upon the written request of the Owner or

Engineer, the Contractor shall immediately remove such Equipment Operators and name a qualified replacement in writing.

8-27.1(1) Large Wood Structures in Dam Removal Area
Large Wood Structures in Dam Removal Area includes all large wood structures in dam footprint and large wood structure AD. Large Wood Structures in Dam Removal Area include supplying, transport, and installation of the large wood structures as shown on the Plans, including but not limited to sill logs, logs, rootwads, rock anchors, threaded rod, required drilling and cleaning, epoxy, chain, nuts, washers, boulders, strawbales, select borrow, gravel borrow, slash. Excavation to install Large Wood and any localized dewatering is considered incidental to Large Wood Structures in Dam Removal Area.

8-27.1(2) Large Wood Structures in North, East, West, and Ephemeral Tributaries
Large Wood Structures - North Tributary, Large Wood Structures - East Tributary, Large Wood Structures - West Tributary, and Large Wood Structures – Ephemeral Tributary include all large wood structures in the associated tributary. Large Wood Structures in tributaries include any wood placement where any portion of the wood breaches the aerial extent of the proposed channel banks. Large Wood Structures in tributaries include supplying, transport, and installation of the large wood structures as shown on the Plans, including but not limited to sill logs, logs, rootwads, boulders, strawbales, select borrow, gravel borrow, slash. Excavation to install Large Wood and any localized dewatering is considered incidental to Large Wood Structures in the associative tributary.

8-27.1(3) Large Wood Structure in Wildboy Creek
Large Wood Structure in Wildboy Creek includes any wood placement in the Wildboy Creek canyon. A Large Wood Structure in Wildboy Creek includes supplying, transport, and installation of the large wood structure as shown on the Plans, including but not limited to sill logs, logs, rootwads, rock anchors, strawbales, select borrow, streambed sediment, threaded rod, required drilling and cleaning, chain, nuts, washers, epoxy, and slash. If streambed sediment allowance item cannot be sourced as defined in 8-27.2, it may be sourced through gravel borrow. Excavation to install Large Wood and any localized dewatering is considered incidental to Large Wood Structures in Wildboy Creek.

8-27.1(4) Floodplain Wood Placement, Haul, and Installation
Floodplain Wood includes any wood placement that is in an upland area and does not encroach on the aerial extent of the proposed channel banks. Floodplain Wood Placement, Haul, and Installation includes supplying, transport, and installation of floodplain wood as shown on the Plans or directed by Owner, including but not limited to logs and boulders. Excavation to install Large Wood/boulders and any localized dewatering is considered incidental to Floodplain Wood Placement, Haul, and Installation.

8-27.1(5) Boulder Haul and Install with Rock Anchor in Wildboy Creek
Boulder Haul and Install in Wildboy Creek with Rock Anchor includes supplying, transport, embedment, and installation as shown on the Plans in locations identified by Owner, including but not limited to boulders, threaded rod, required drilling and cleaning, rock anchors, chain, nuts, washers, and epoxy. Boulders shall be sourced as defined in 8-27.2.

8-27.1(6) Boulder Haul and Install in Wildboy Creek
Boulder Haul and Install in Wildboy Creek with Rock Anchor includes supplying, transport, embedment, and installation as shown on the Plans in locations identified by Owner, including but not limited to boulders. Boulders shall be sourced as defined in 8-27.2.

8-27.1(7) Threaded Rod Connection
Threaded Rod Connection Force Account includes additional threaded rod connections that may be log to log, log to boulder, or log to bedrock than what is shown in the Plans. Threaded Rod Connections Force Account includes but is not limited to threaded rod, required drilling and cleaning, chain, nuts, washers, and epoxy.

8-27.1(8) Slash Haul and Install
Slash Haul and Install Force Account includes transferring and placing additional slash to locations as directed by Owner.

8-27.2 Materials – Add this subsection number and title, and add the following:

1. Owner provided wood is stockpiled on site.
2. Large salvaged whole trees shall be coniferous species have a minimum diameter breast height of 24 inches, salvaged from onsite sources. Any large tree proposed for removal by Contractor shall first be flagged in the field. Owner shall review flagged large trees, and if appropriate, provide approval for removal in writing.
3. Small salvaged whole trees shall be coniferous species have a minimum diameter breast height (dbh) of 12 inches but less than 24 inches dbh, salvaged from onsite sources. Any small tree proposed for removal by Contractor shall first be flagged in the field. Owner shall review flagged small trees, and if appropriate, provide approval for removal in writing.
4. For any delivered trees, excess soil shall be removed from the rootwad by shaking the tree and bole so the rootwad complexity is not damaged and rootwad shall remain attached to bole/stem.
5. Slash shall be native coniferous species up to 12-inches dbh and other native woody vegetation of all sizes, salvaged from onsite sources.
6. Rock Anchors. The Contractor shall provide and install the following:
    a. Threaded rod shall be 1-inch diameter, non-galvanized, and meet the requirements of ASTM A193 B7.
    b. Bolts shall be compatible with specified threaded rod, non-galvanized, and meet the requirements of ASTM A193 B7.
    c. Washers in contact with wood shall be compatible with specified threaded rod, non-galvanized, 4” x 4” x 3/8” thick, Fastenal 48661 or approved equal.
    d. Chain shall be non-galvanized, ¾-inch, long link mooring chain. Chain links shall be ¾-inch material x 4.92 inch inside length x 1.45 inside width.
    e. Epoxy shall be HIT-RE 500 V3 Epoxy anchor or approved equal.
7. Streambed Substrate shall be a mixture of approximately equal portions of the following :
    - Streambed Sediment as defined in 9-03.11(1)
    - 4” Cobbles in accordance with 9-03.11(2)
    - 6” Cobbles in accordance with 9-03.11(2)
    - 8” Cobbles in accordance with 9-03.11(2)
    - 10” Cobbles in accordance with 9-03.11(2)
    - 12” Cobbles in accordance with 9-03.11(2)
8. Select Borrow shall be less than 24 inches, median diameter, non-fractured basalt.
9. Boulders shall be at minimum 24 inches, median diameter, non-fractured basalt.

10. Boulders placed in Wildboy Creek shall be 48 to 72 inches, median diameter, non-fractured basalt.
11. Straw bales shall meet following requirements:
    a. Straw bales shall be weed free. Weed free wheat straw is acceptable.
    b. Provide 2-string bales, 14-inches x 18-inches x 38-40-inches.
    c. Straw bales delivered to the site shall be dry with no site of moisture, mildew, or mold. Bale moisture shall be 14% or less.
    d. Straw bales shall be stored in a dry location.

8.27.3 Installation – Add this subsection number and title, and add the following:

Large Wood Structures:

1. Transport materials to installation locations as shown on the Plans or directed by Owner (fit in the field).
2. The Contractor shall Shape, trim, and finish grade to allow for placement of large wood, boulders, and anchoring as necessary, to construct channel work. Channel excavation is covered in a separate, Lump Sum, bid item.
3. Large wood structures shall be placed while integrating slash either beneath large wood or immediately upstream of large wood structures as directed by Owner (fit in the field).
4. Arrange channel spanning large wood to result in a low flow thalweg formation following backfill.
5. Contractor shall confirm cutting of Large Wood with Engineer or Owner prior to making cuts and such cuts shall be considered incidental to Large Wood Structures Installation.
6. Large Wood fastening with threaded rod:
    a. Large Wood shall be fastened with threaded rod and/or chain as shown on the Drawings. Contractor shall assume and anticipate fit in the field adjustments to large wood and anchor location, orientation and placement.
    b. Holes drilled through large wood shall be 1 1/8-inch diameter.
    c. Holes drilled into rock shall be 1-$^{1}/_{8}$-inch diameter and 12-inches, minimum, depth.
        i. No boulder less than 40-inch, median diameter, shall be fastened to threaded rod.
        ii. Drill bedrock where smooth and free of fractures. Holes drilled into bedrock shall have minimum, 2-feet spacing.
        iii. Clean holes per manufacturer's recommendations and so that no rock dust residue is present inside of the hole prior to injecting epoxy. If any rock dust can be observed on a finger that is wiped on the inside a hole, the hole must be more thoroughly cleaned – this may include a gloved hand with a high contrast color compared to the rock dust color.
        iv. Install epoxy per manufacturer's recommendations including cleaning the drilled holes before applying appropriately mixed epoxy. No nuts shall be tightened until epoxy has fully cured. No force shall be applied to threaded rod until epoxy has been fully cured.
    d. Nuts shall be tightened until chain is drawn tight and cannot be deflected more than ¼-inch by hand, or until wood (excluding bark) begins to crush beneath washers.
7. If no competent bedrock can be identified for anchor placement, boulders shall be transported to the Large Wood installation location via the Boulder Haul and Install and Rock Anchors will be placed in boulders in lieu of bedrock, and the rock anchors

shall be incidental to Large Wood Structure Installation - Wildboy Creek unit cost bit item.

8. Install straw bales as shown on the Plans to seal gaps between large wood and the streambed. There are two rows of straw bales. Stagger end to end joint of straw bales between successive rows. Arrange straw bales to result in a low flow thalweg formation following backfill.
9. Place slash beneath large wood to pin slash down in place, or place upstream of large wood following backfill at direction of Owner.
10. Boulder Haul and Install – Wildboy Creek includes haul and install of additional unanchored boulders (not drilled or epoxied) at the direction of Owner/Engineer.

8-27.4 Measurement – Add this subsection number and title, and add the following:

"Large Wood Structures Installation – Dam Removal Area", "Large Wood Structures Installation - North Tributary", "Large Wood Structures Installation - East Tributary", "Large Wood Structures Installation - West Tributary", "Large Wood Structures Installation - Ephemeral Tributary", and "Floodplain Wood Placement, Haul and Installation" will not be measured and are lump sum items.

Measurement of "Large Wood Structure Installation – Wildboy Creek", shall be per each Large Wood Structure as shown on the Plans.

Measurement of "Boulder Haul and Install with Rock Anchor – Wildboy Creek", shall be per each boulder installed. A pair of boulders chained together shall be measured as two. Drilling/chaining/epoxy is incidental to Large Wood Structure Installation – Wildboy Creek.

Measurement of "Boulder Haul and Install – Wildboy Creek", shall be per each boulder installed.

8-27.5 Payment – Add this subsection number and title, and add the following:

Payment shall be considered full compensation for all equipment, labor, tools, materials, and incidentals necessary to complete this work as specified.

Payment will be made for each of the following listed Bid items that are included in the Proposal:

"Large Wood Structures Installation – Wildboy Creek", per each Large Wood Structure.

"Large Wood Structures Installation – Dam Removal Area", lump sum.

"Large Wood Structures Installation - North Tributary", lump sum.

"Large Wood Structures Installation - East Tributary", lump sum.

"Large Wood Structures Installation - West Tributary", lump sum.

"Large Wood Structures Installation - Ephemeral Tributary", lump sum.

"Floodplain Wood Placement, Haul and Installation", lump sum.

"Boulder Haul and Install with Rock Anchor – Wildboy Creek", per each Boulder Installed.

“Boulder Haul and Install – Wildboy Creek”, per each Boulder Installed (not drilled).

Supplying, transport, re-stockpiling, and installation of Large Wood Structures including but not limited to sill logs, logs, rootwads, strawbales, select borrow, common borrow, streambed sediment, rock anchors, threaded rod, drilling, chain, nuts, washers, epoxy, boulders, and slash are incidental to the respective bid items listed above. Supplying, transport, re-stockpiling, and installation of Boulders including but not limited to rock anchors, threaded rod, drilling, chain, nuts, washers, and epoxy are incidental to the respective bid items listed above. Excavation required to install large wood is incidental to the associated bid items listed above. Removal and replacement of salvaged trees and local boulders after large wood structure installation are incidental to the associated bid item listed above.

Payment for additional Threaded Rod Connections if requested by Owner shall be “Threaded Rod Connection Force Account” per Price Sheet.

Payment for additional Slash installation not identified on the Plans shall be “Slash Haul and Install Force Account” per Price Sheet.

8-28 Allowances

- Replace this section title.

8-28.1 Description – Add this subsection number and title, and add the following:

This item consists of administrative and procedural requirements governing allowances.

Certain materials and equipment are specified in these Special Provisions by allowances. These allowances include installation. If necessary, additional requirements will be issued by Change Order. Allowance items provide pricing for items that may be added to the contract through change order.

The Contractor shall coordinate materials and installation for each allowance item with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

8-28.2 Allowance Items – Add this subsection number and title, and add the following:

The following unit cost allowances are included in these Special Provisions:

1. Onsite Haul and Install Stream Substrate from Stockpile – Wildboy.
    a. Stream substrate, either imported by Owner or Contractor, that is at onsite stockpile, is for use by the Contractor. The imported stream substrate includes cobble, gravel, and sand sized particles, in accordance with Special Provisions 8-27.2, and is suitable as Streambed Substrate for Wildboy Creek as shown on the Plans.
    b. Contractor shall haul and install the stream substrate in Wildboy Creek as shown on the Plans.
2. Supply, Haul and Stockpile Stream Substrate – Wildboy
    a. Stream substrate may be supplied, hauled, and stockpiled to the site by the Contractor. The imported stream substrate includes cobble, gravel and sand sized

particles, in accordance with Special Provisions 8-27.2, and is suitable as Streambed Substrate in Wildboy Creek as shown on the Plans.

3. Supply, Haul and Stockpile Topsoil, Type C.
    a. Contractor shall supply, haul, and stockpile topsoil.
    b. Topsoil, Type C shall comply with the requirements of Section 9-14.2(3) of the Standard Specifications.
4. Provide and Install Sand within Streambed Gravels.
    a. Imported sand shall comply with the requirements of Section 9-03.13 of the Standard Specifications.
    b. Contractor shall provide sufficient water from onsite sources to effectively wash sand particles into underlying void spaces.
    c. Sand shall be washed into void spaces of rock to reduce subsurface flow following construction. Turbid wash water shall be collected and pumped to an upland area for infiltration. Contractor shall wash sand and recycle water through the specified channel reach until flow remains on the surface to avoid subsurface flow as approved by Owner.
5. Crush Concrete Onsite
    a. Concrete crushing includes crushing demolished concrete including separation from reinforcement bar.
    b. Concrete shall be crushed to maximum 1.5-inch particle size and finer.
    c. Concrete shall be stockpiled on site.
6. Crush Rock Onsite
    a. Rock crushing includes crushing approved rock salvaged from the dam.
    b. Source rock shall be crushed to maximum 1.5-inch particle size and finer.
    c. Crushed rock shall be stockpiled on site.

8-28.3 Measurement – Add this subsection number and title, and add the following:

Quantities under this Item will only be measured if the contract is modified through change order to include an allowance item identified below.

”Onsite Haul and Install Stream Substrate from Stockpile - Wildboy” shall be measured per cubic yard for material installed as shown on the Plans. The Engineer shall perform a survey of the stockpiled material to determine total cubic yards available. Any spilled or otherwise wasted material shall be subtracted from the surveyed quantities.

“Supply, Haul and Stockpile Stream Substrate”, shall be measured per cubic yard. Engineer shall perform a survey of the stockpiled material to determine total cubic yards available. Any spilled or otherwise wasted material shall be subtracted from the surveyed quantities.

“Provide, Haul and Stockpile Topsoil, Type C”, shall be measured per cubic yard. Volumes shall be based on box struck level of haul trucks and trip tickets provided by the topsoil supplier and submitted to the Owner. Any spilled or otherwise wasted material shall be subtracted from the trip ticket total.

“Provide and Install Sand within Streambed Gravels”, shall be measured per ton of material installed. Measurement shall be based on trip tickets provided by the sand supplier and submitted to the Owner. Any spilled or otherwise wasted material shall be subtracted from the trip ticket total.

“Crush Concrete Onsite”, shall be measured by the cubic yard of crushed and stockpiled material. The Engineer shall perform a survey of the stockpiled material to determine total cubic yards crushed.

“Crush Rock Onsite”, shall be measured by the cubic yard of crushed and stockpiled material. The Engineer shall perform a survey of the stockpiled material to determine total cubic yards crushed.

8-28.4 Payment – Add this subsection number and title, and add the following:
Payment will only be made if the contract is modified through change order to include an allowance item identified below. Payment shall be considered full compensation for all equipment, labor, tools, materials, and incidentals necessary to complete this work as specified.

Payment for “Onsite Haul and Install Stream Substrate from Stockpile - Wildboy”, shall be per cubic yard.

Payment for “Supply, Haul and Stockpile Stream Substrate – Wildboy”, shall be per cubic yard.

Payment for “Supply, Haul and Stockpile Topsoil, Type C”, shall be per cubic yard.

Payment for “Install Sand within Streambed Gravels” shall be per ton installed.

Payment for “Concrete Crushing Onsite”, shall be per cubic yard.

Payment for “Crushed Rock Onsite”, shall be per cubic yard.

8-31 Temporary Stream Diversion

8-31.3(1)B TSD Plan Implementation Meeting – Replace Number 2. Representing the Contracting Agency with the following:

Representing the Owner: The Engineer, Construction Management firm, and Cowlitz Tribe staff.

8-31.3(2)A General Plan Requirements– Add the following:

Contractor shall meet all DOE Dam Safety requirements.

The TSD Plan shall include control of surface runoff and operations adequate to bypass or remove all flowing water. The TSD Plan shall be coordinated with access and erosion control by the Contractor to assure compliance with applicable permits. The Contractor shall consider water supply for firefighting and other non-potable water requirements in their TSD Plan and provide fittings and valves to accommodate their needs.

8-31.3(3) Fish Block Net Installation and Fish and Aquatic Species Exclusion – Replace this subsection, except for the subsection number and title, with the following:

The Contractor shall notify the Engineer and Cowlitz Tribe in writing a minimum of 14 calendar days before fish block net installation and fish and aquatic species exclusion is scheduled. No Work within the limits of Ordinary High-Water Line will be allowed prior to installation of fish block nets and completion of fish exclusion activities.

The Contractor shall provide fish and freshwater mussel rescue assistance to the Owner. The Cowlitz Tribe shall lead and be responsible for fish and freshwater mussel salvage. The Contractor shall provide pumps, hoses, and labor to dewater Wildboy Creek, pool by pool, and transport of salvaged fish to Texas Creek for release.

The Contractor shall allow the Owner 10 calendar days for the following in Wildboy Creek below the dam:

1. To install fish block nets upstream and downstream of the in-water work area; and
2. Safely capture and relocate all salvageable fish and other aquatic organisms that become trapped between the block nets.

The Contractor shall allow the Owner 7 calendar days for the following in the reservoir:

1. To install fish block nets upstream and downstream of the in-water work area; and
2. Safely capture and relocate all salvageable fish and other aquatic organisms that become trapped between the block nets.

The Contractor shall be informed that the Land Trust may salvage mussels prior to or concurrent with the Owner within Wildboy Creek and associated tributaries.

8-31.3(3)A Contractor Provided Labor – Replace the first paragraph with the following:

As specified by the Owner, the Contractor shall assist the Owner with fish and aquatic species exclusion. The Contractor shall provide a minimum of two laborers. The Owner will pay for this Work by the bid item “Fish Exclusion Assistance”.

If requested by the Owner, Contractor shall provide additional Fish Salvage Assistance beyond above-mentioned laborers (and materials). This may include retaining the services of a qualified fisheries biologist to direct fish salvage operations or other support as directed. The Owner shall pay for this Work by the bid item “Fish Exclusion Force Account.”

8-31.3(3)B Owner Provided Materials – Replace this subsection title, and add the following:
The Contractor shall provide:

1. Two two-inch trash pumps, fish screen intakes, hoses and all other items required for operation of trash pumps. Trash pumps shall be placed in a polyethylene containment vessel with no leaks to contain any potential fuel spills.
2. A side by side or approved equal to transport laborers and rescued fish and freshwater mussels.

8-31.5 Payment – Add the following:

Payment for Temporary Stream Diversion contingencies such as overtopping events or more springs in Wildboy Creek than are designated in the Plans will be paid through “Temporary Stream Diversion Force Account,” per Price Sheet. Springs entering the reservoir will not be considered for Temporary Stream Diversion Force Account payment and shall be considered incidental to Initial Drawdown.

Payment for “Fish Exclusion Assistance”, shall be hourly as per bid sheet.

Payment for “Fish Exclusion Force Account”, shall be per Price Sheet.

Division 9 – MATERIALS

Comply with Division 9 of the Standard Specifications and modified as follows:

9-03 Aggregates

9-03.14(2) Select Borrow – Replace this subsection, except for the subsection number and title, with the following:

Select Borrow shall consist of granular material, either naturally occurring or processed, and shall be less than 24 inches, median diameter, non-fractured basalt.