Request for Bids:

2014— Poorman Creek Road Large Wood Enhancement Project

Dear Contractor: April 21, 2014

The Yakama Nation's Upper Columbia Habitat Restoration Project is requesting bids for construction of a Salmon Enhancement Project to be implemented on the lower Twisp River, **July 2014**. The project will involve all work elements and specifications found in the Project Plans and Project Supplemental Specifications documents attached to this bid packet.

In an effort to minimize the time commitment to travel for mandatory site visits, Yakama Nation staff will be hosting three project tours on **May 12, 2014** beginning with the Two Channels Large Wood Enhancement Project at 8:00 AM on the Methow River. The Poorman Creek Road Large Wood Enhancement Project site visit will begin promptly at 10:00 AM at 143 Twisp River Road, Twisp, WA 98856. The plan is to convoy vehicles to the Twisp River Mile 3 Fish Habitat Enhancement Project site immediately following completion of the Poorman project tour. Contractors will be required to sign-in at each project site and will only be eligible for an award of contract for those which they attend. Late registration will not be permitted at any project sites. Please be timely when travelling between project locations.

By the close of business on **Friday, May 23, 2014**, each contractor must have completed and submitted a signed copy of the Poorman Creek Road Large Wood Enhancement Project bid documents to be eligible for award of this contract. Please specify in writing on the bid sheets that all bid prices will be valid for at least 90 days. All bid materials must be mailed to:

Yakama Nation
Attn: Jackie Olney, (insert Project Name)
PO Box 151
Toppenish WA, 98948
(Shipping address: 401 Fort Road, Toppenish, WA 98948)

The project will be conducted within the in-water fish work window: July 1, 2014 through July, 31 2014. Preference will be to begin construction later in July (weather permitting) to coincide with low flow river conditions for ease of coffering and environmental compliance. The winning contractor will understand the magnitude of this project and be equipped to perform all necessary work elements for a project of this type within a critical habitat stream. The winning contractor will have extensive experience in the following: building cofferdams, de-watering following NMFS fish screening protocols, constructed log jams and minimizing local disturbance.

All contractors submitting bids for this project shall provide and/or demonstrate, at a minimum, the following:

- *A separate complete bid sheet for each project you are bidding on.*
- *A list of experienced equipment operators that will be on-site during project construction. Please provide details of their work on in-stream habitat enhancement structures within the past several years.*
- *A detailed construction timeline of when you propose to begin construction and how you plan to complete all project tasks within the permitting work-window.*

- *Describe your experience and provide examples of your ability to create dewatered work areas through the use of the coffering technique you are proposing for each site.*
- *A list of key pieces of heavy equipment that will be used in the construction of the project and associated standby prices per day.*
- *Please describe mobilization cost adjustments (if any) if selected for multiple projects running consecutively in close proximity.*

Please Note:

- All equipment working within 50 feet of the Twisp River is required to be outfitted with biodegradable hydraulic fluid.
- Awarded contractor must provide "san-i-can" service. Please note that these projects are pending Permitting and final landowner permission.
- Sub-contracting will not be permitted under this contract
- The Yakama Nation is exempt from state taxes on this project. Please see the attached Treaty Fishery Exempt Cover Letter and Treaty Fishery Exempt Certificate. The winning contractor will receive signed copies for their records.
- Davis Bacon Wages Apply to this contract. The wining contractor will adhere to the Davis Bacon Rules and comply and submit all necessary paperwork to the Yakama nation.

The attached Scope of Work Exhibit provides an overview of the scope of work likely to be incorporated into the awarded contract. Please make note of specific provisions provided in this Scope of Work Exhibit that may be in addition to the specifications and directions found in the Project Planset.

This project will occur on private property and no one is allowed on the property prior to the site visit without specific written consent of the property owner. For questions regarding the site visits, please contact me at the information provided below.

Sincerely,

Jarred Johnson
Habitat Biologist
Yakama Nation Fisheries
2 Johnson Lane
Winthrop, WA 98862
509-881-1462
johj@yakamafish-nsn.gov

BID PROPOSAL for Poorman Creek Road Fish Habitat Enhancement Project

Please use both the Engineer's Stamped Project Plans and the Supplemental Specifications Document to produce your competitive bids.

No.	Item	Quantity	Unit	Unit Price	Extended Price
1	Mobilization	1	LS	$	$
2	TESC, SPCC Plan and Implementation	1	LS	$	$
3	Temporary Cofferdam	1	LS	$	$
4 - Choose only 1 option	Dewatering: Option A - 2, 4" trash pumps	1	LS	$	$
	Dewatering: Option B - 1, 6" trash pump	1	LS		
5	Log Structure Excavation, Stockpile and Backfill	1	LS	$	$
6	Install Logs (29)	1	LS	$	$
7	Boulders	1	LS	$	$
8	Mulch	1.5	Ton	$	$
9	Road Repair	1	SF	$	$
10	Standby Time			$	$

TOTAL (do not include tax)	$

* Note: Construction of this project is tax exempt through the Treaty Fishery Tax Exemption Certificate enlosed in the RFP package

Company Name **Date Prepared**

Certification

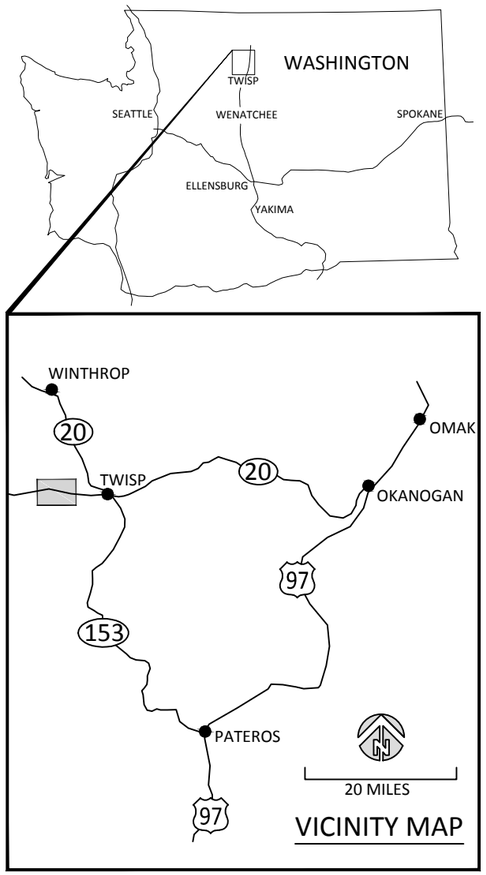
Printed Name and Title **Signature**

Heavy Equipment List and Daily Standby Rate

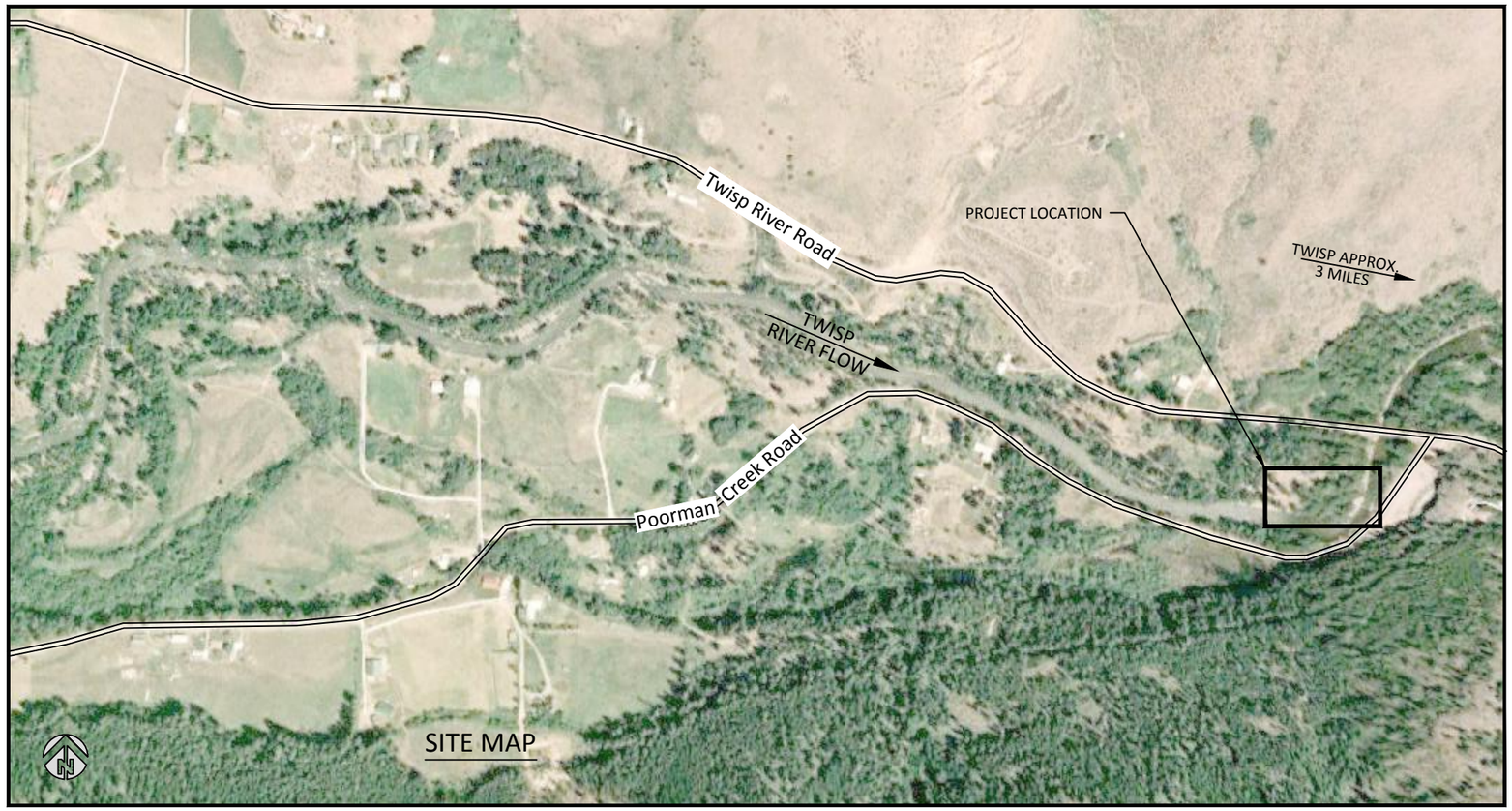
	Item Description	Daily Standby Rate
1		$
2		$
3		$
4		$
5		$
6		$
7		$
8		$
9		$
10		$
11		$
12		$
13		$
14		$
	Example: 160 G Excavator	$50.00

POORMAN CREEK ROAD
TWISP RIVER SALMON ENHANCEMENT PROJECT

OKANOGAN COUNTY, WASHINGTON



VICINITY MAP



SITE MAP

SITE LOCATION:

UPSTREAM SITE
LATITUDE: 48°22'09" NORTH
LONGITUDE: 120°08'57" WEST
DOWNSTREAM SITE
LATITUDE: 48°22'08" NORTH
LONGITUDE: 120°09'01" WEST

WATERBODY: TWISP RIVER
TRIBUTARY OF: COLUMBIA RIVER

NEAR THE CITY OF TWISP,
OKANOGAN COUNTY, WA

SHEET INDEX

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2 - GENERAL NOTES AND EROSIONS CONTROL PLAN
3 - SITE PLAN SHOWING ACCESS AND PROPOSED PROJECT AREAS
4 - UPSTREAM LOG STRUCTURE
5 - DOWNSTREAM LOG STRUCTURE
6 - CABLING DETAILS
7 - SPECIFICATIONS
8 - SPECIFICATIONS

MICHAEL R. McALLISTER
STATE OF WASHINGTON
38189
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 03-25-2014

NO.	BY	DATE	REVISION DESCRIPTION

DRAWN	DESIGNED	CHECKED
MJ,LK,DF	MM,MB	MM
APPROVED	DATE	PROJECT
MB	04/01/14	

CONFEDERATED TRIBES AND BANDS OF YAKIMA NATION
POORMAN CREEK ROAD
SALMON HABITAT PROJECT

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COVER, SHEET INDEX
AND VICINITY MAP

SHEET
1 OF 8

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EXISTING DATA

GENERAL TOPOGRAPHIC INFORMATION IS PROVIDED FROM LIDAR AND SPECIFIC PROJECT AREA SURVEY PERFORMED BY INTER-FLUVE, INC. THROUGH NOVEMBER 2013. SURVEY IS BASED ON NAD27 WASHINGTON STATE PLANES, NORTH ZONE COORDINATE SYSTEM.

SOILS

TWISP RIVER GRAVEL AND ALLUVIAL SOILS.

UTILITIES

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR HAVING UTILITIES LOCATED PRIOR TO CONSTRUCTION ACTIVITIES.

THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE AFFECTED UTILITY SERVICE TO REPORT ANY DAMAGED OR DESTROYED UTILITIES. THE CONTRACTOR SHALL PROVIDE EQUIPMENT OR LABOR TO AID THE AFFECTED UTILITY SERVICE IN REPAIRING DAMAGED OR DESTROYED UTILITIES AT NO COST TO THE OWNER.

CONSTRUCTION ACCESS

SITE ACCESS SHALL BE FROM TWISP RIVER ROAD.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR OBTAINING ANY REQUIRED TRAFFIC CONTROL OR ACCESS PERMITS.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING ANY REQUIRED TRAFFIC CONTROL INCLUDING, BUT NOT LIMITED TO, SIGNAGE AND FLAGGERS.

ALL EQUIPMENT, MATERIALS AND PERSONNEL SHALL REMAIN WITHIN THE LIMITS OF DISTURBANCE.

THE CONTRACTOR SHALL KEEP THE WORK AREAS IN A NEAT AND CLEAN CONDITION FREE OF DEBRIS AND LITTER FOR THE DURATION OF THE PROJECT.

FISH RESCUE

DEWATERING AND FISH RESCUE OPERATIONS WILL BE COMPLETED IN ACCORDANCE WITH THE PROTOCOL II- DEWATERING OUTSIDE HIGH LIKELIHOOD LISTED FISH AREA METHODS DETAILED IN THE U.S. ARMY CORPS OF ENGINEERS RESTORATION PROGRAMMATIC PERMIT (NMFS REFERENCE NO. 2008/03598) AND/OR THE REQUIREMENTS OF RECEIVED PERMITS.

ALL FISH RESCUE EFFORTS SHALL BE SUPERVISED BY A QUALIFIED FISHERIES/AQUATIC BIOLOGIST EXPERIENCED WITH THE COLLECTION AND HANDLING OF SALMONID FISHES FROM CONSTRUCTION SITES.

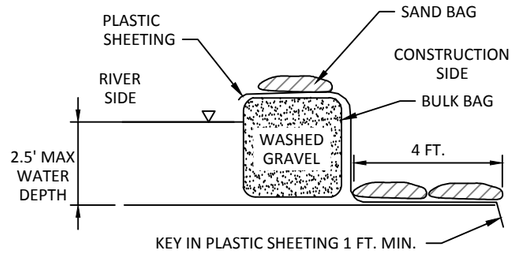
TREE SALVAGE

ALL TREES AND SHRUBS REMOVED WITHIN CLEARING LIMITS SHALL BE REMOVED WHOLE WITH ROOT WAD AND UTILIZED IN THE STREAM CONSTRUCTION AS DIRECTED BY OWNER'S REPRESENTATIVE.

LIVE TREES

ALL TREES NOT MARKED FOR REMOVAL SHALL BE LEFT STANDING UNDISTURBED. LOGGING ACTIVITY SHALL NOT DEBARK OR DAMAGE LIVE TREES.

KEEP OUT OF DRIP LINE OF EXISTING TREES TO REMAIN.



TEMPORARY COFFER DAM

(WATER DEPTHS LESS THAN 2.5')

BULK BAG GENERAL NOTES

BULK BAG COFFERDAM SHALL BE CONSTRUCTED OF SEVERAL UNITS OF BULK BAGS FILLED WITH WASHED GRAVEL, AND ABUTTED SIDE BY SIDE TO CREATE A ROW THAT ISOLATES THE CONSTRUCTION SITE FROM THE RIVER. IF WATER DEPTH EXCEEDS 85% OF THE BULK BAG HEIGHT, AN ADDITIONAL TOP ROW OF BULK BAGS SHALL BE INSTALLED, SUPPORTED BY TWO BOTTOM ROWS OF BULK BAGS. BULK BAG COFFERDAM SHALL BE SEALED BY COVERING THE COFFERDAM WITH PLASTIC SHEETING HELD IN PLACE BY STANDARD SANDBAGS PLACED IN ROWS ON TOP OF COFFERDAM, AND AT TOE OF COFFERDAM. THE PLASTIC SHEETING SHALL BE DRAPED ALONG THE CHANNEL BOTTOM ON THE WORK AREA SIDE OF THE COFFERDAM WITH OUTWARD EDGE OF SHEETING MINIMUM 4-FEET FROM TOE OF COFFERDAM. THE DRAPED PORTION OF PLASTIC SHEETING SHALL BE PINNED TO THE CHANNEL BED BY MINIMUM TWO ROWS OF STANDARD SANDBAGS. THE OUTWARD EDGE OF PLASTIC SHEETING SHALL BE TOED INTO THE CHANNEL BED MINIMUM 1-FT. TOEING IN THE OUTWARD EDGE OF PLASTIC SHEETING SHALL OCCUR AFTER THE COFFERDAM IS CLOSED TO PREVENT TURBIDITY RELEASE TO THE WATERWAY.

IF POSSIBLE, THE COFFERDAM SHALL BE EXTENDED ONTO A GRAVEL BAR AND OUT OF THE WATER. IF THE END MUST BE TERMINATED AT THE RIVERBANK, THE COFFERDAM SHALL BE TIGHTLY SEALED TO THE GROUND BY PLASTIC SHEETING AND STANDARD SANDBAGS. MULTIPLE LAYERS OF SHEETING AND SANDBAGS MAY BE REQUIRED TO FORM A WATERTIGHT SEAL.

BULK BAGS SHALL BE WATERPROOF CUBE-SHAPED POLYPROPYLENE WOVEN FABRIC BAGS WITH FULLY OPEN TOP, FLAT BOTTOM, FOUR LOOPS, MINIMUM 2-TON WEIGHT CAPACITY, MINIMUM 5:1 SAFETY FACTOR.

PLASTIC SHEETING SHALL BE MINIMUM 6-MIL THICKNESS. ROLL LENGTH SHALL COVER THE ENTIRE LENGTH OF COFFERDAM WITHOUT SEAMS. MINIMUM 12-FT WIDE ROLL SHALL BE USED FOR SINGLE LAYER BULK BAG COFFERDAM. MINIMUM 16-FT ROLL SHALL BE USED FOR 2-LAYER STACKED BULK BAG COFFERDAM.

BULK BAG COFFERDAM SHALL BE COMPLETELY REMOVED AFTER CONSTRUCTION IS COMPLETED AND TURBIDITY HAS BEEN REMOVED.

ALTERNATE COFFERDAM MATERIALS AND CONFIGURATIONS MAY BE ALLOWED BUT SHALL NOT BE IMPLEMENTED WITHOUT REVIEW AND APPROVAL BY THE OWNER OR OWNER'S REPRESENTATIVE. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND/OR VENDOR CUT SHEETS FOR SUBSTITUTIONS.

NO.	BY	DATE	REVISION DESCRIPTION

MJ,LK,DF	MM,MB	MM
DRAWN	DESIGNED	CHECKED
MB	04/01/14	
APPROVED	DATE	PROJECT

CONFEDERATED TRIBES AND BANDS OF YAKIMA NATION
POORMAN CREEK ROAD
SALMON HABITAT PROJECT

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GENERAL NOTES AND
EROSIONS CONTROL PLAN

SHEET
2 OF 8

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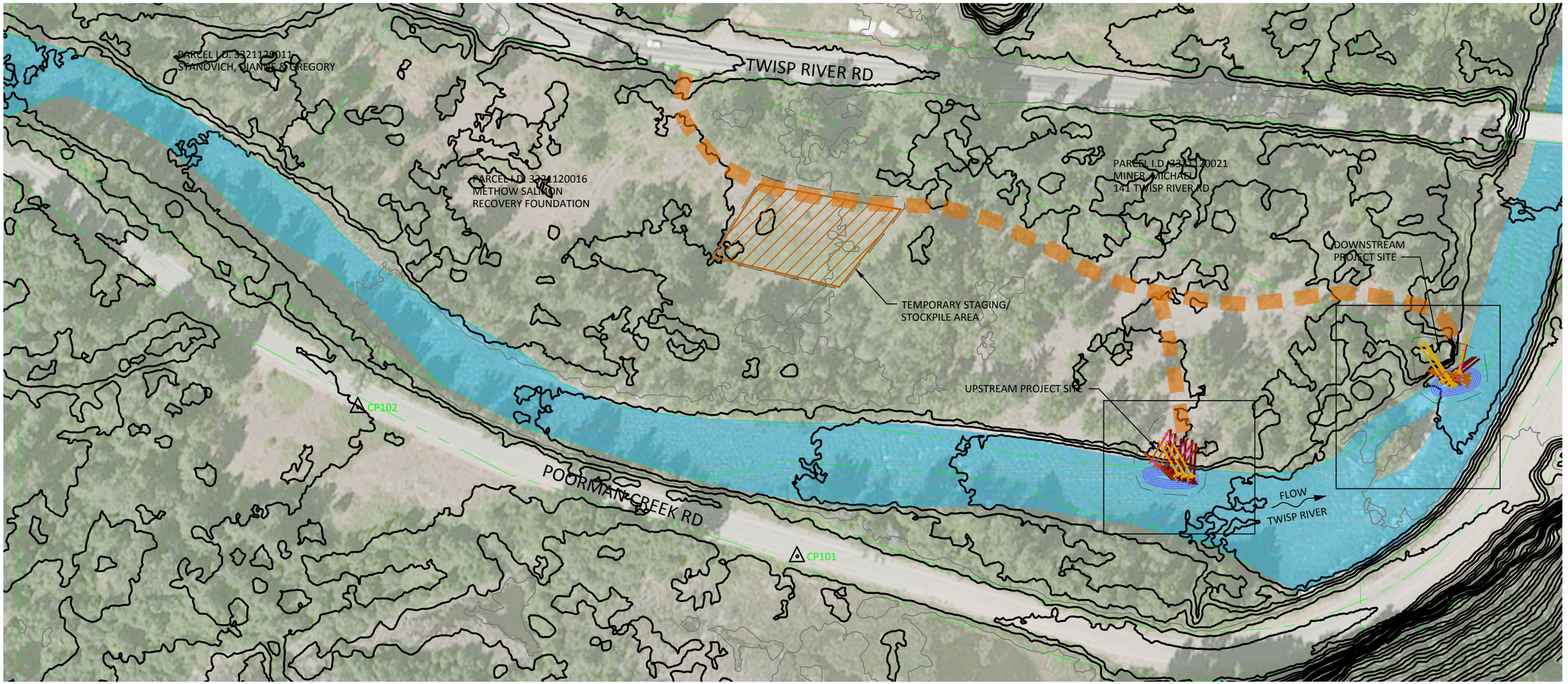

SITE MAP

LEGEND

- BM/CP100 — PROJECT REACH TOPOGRAPHIC SURVEY CONTROL
- COUNTY GIS BASED PROPERTY LINES
- TEMPORARY ACCESS
- LIMITS OF DISTURBANCE
- STAGING / STOCKPILE AREA

0 100 200

SCALE IN FEET

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SITE PLAN SHOWING ACCESS AND PROPOSED PROJECT AREAS

SHEET 3 OF 8

MICHAEL R. McALISTER
STATE OF WASHINGTON
38189
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 08-25-2014

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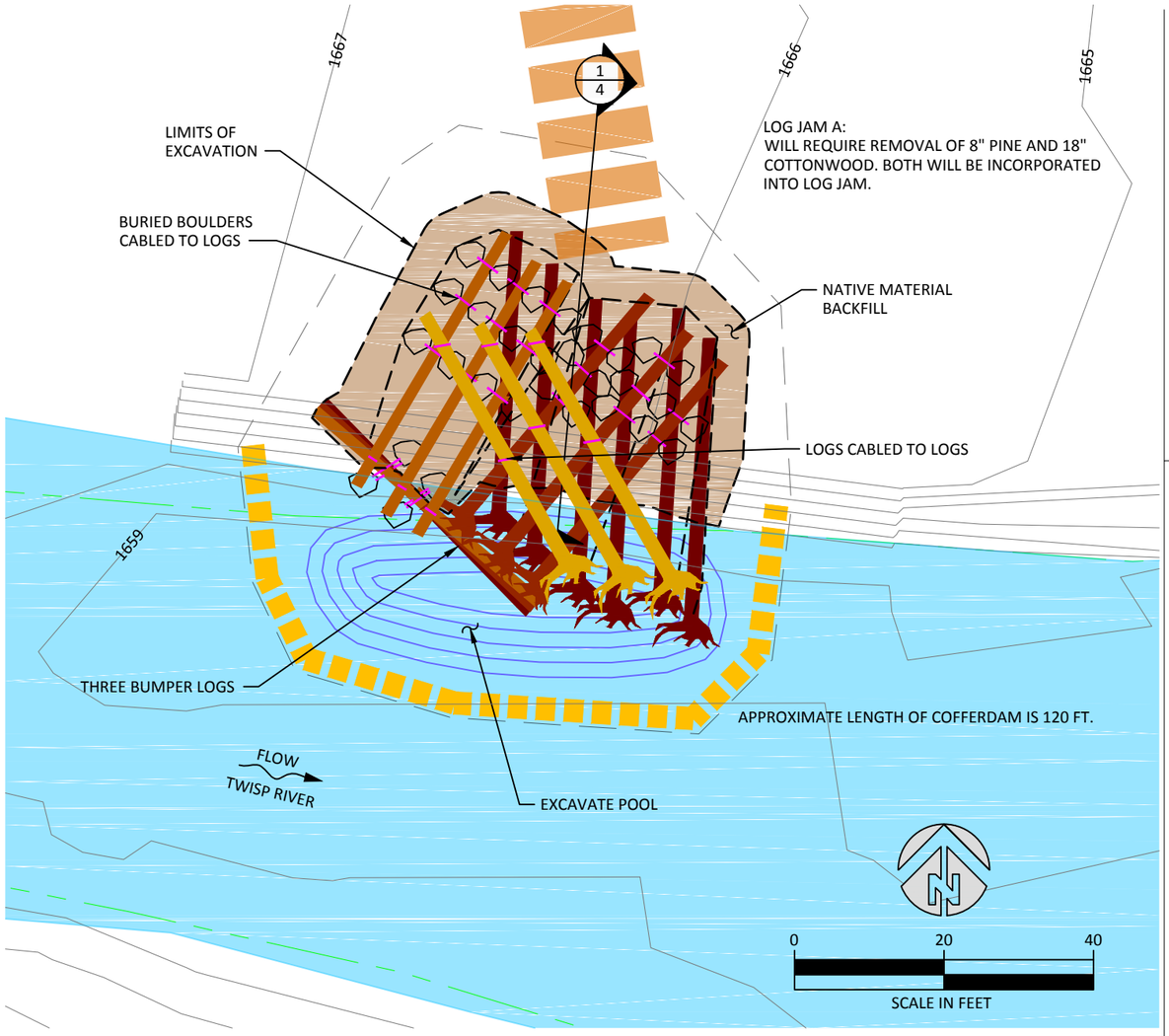


SITE PLAN

LEGEND

- COUNTY GIS BASED PROPERTY LINES
- LIMITS OF DISTURBANCE
- TEMPORARY COFFER DAM
- LOGJAM LAYER 1 LOG
- LOGJAM LAYER 2 LOG
- LOGJAM LAYER 3 LOG
- LOGJAM LAYER 4 LOG

SUGGESTED CONSTRUCTION SEQUENCE

ACCESS TO THE SITE IS FROM TEMPORARY ACCESS ROUTES. SOME BRUSH CLEARING MAY BE REQUIRED. SALVAGE REMOVED VEGETATION (WITH ROOTS ATTACHED) FOR USE AS SLASH IN STRUCTURE.

INSTALL TEMPORARY COFFERDAM AND PUMP.

EXCAVATE POOL AND LOG BURIAL AREA.

THE STRUCTURE SHALL BE COMPOSED OF FOUR LAYERS OF LOGS BALLASTED BY BOULDERS. BOULDERS SHALL BE CABLED TO LOGS IN LAYERS 2 AND 3. CBALE LOGS TO LOGS IN LAYERS 3 AND 4.

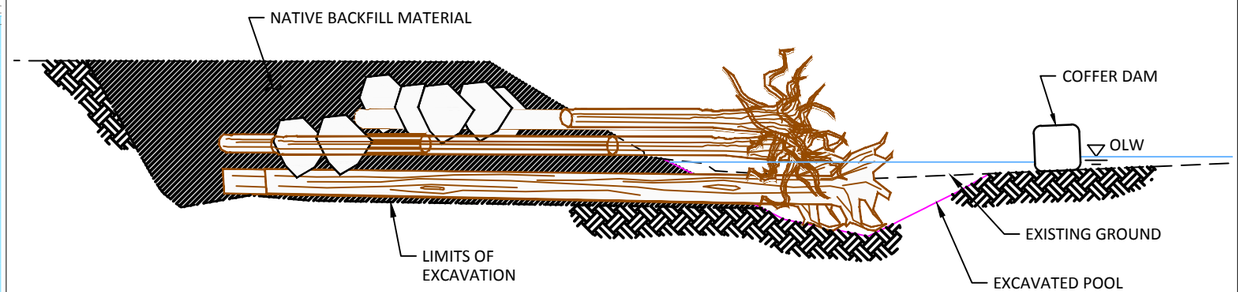
INCORPORATE CLEARED BRUSH/SLASH AS SMALL WOODY DEBRIS INTERMINGLED WITH INSTALLED LOGS.

"BUMPER" LOGS SHALL BE STACKED AT THE UPSTREAM FACE OF THE STRUCTURE.

BACKFILL STRUCTURE TO PARTIALLY BURY LOGS. ANY REMAINING FILL SHALL BE SPREAD ON SURFACE WITHIN DISTURBANCE AREA.

REMOVE COFFERDAM.

SEED AND MULCH ALL DISTURBED GROUND.



1/4 SECTION - UPSTREAM EXCAVATED POOL AND LOGJAM

0 10 20

SCALE IN FEET

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38180
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UPSTREAM LOG STRUCTURE

SHEET 4 OF 8

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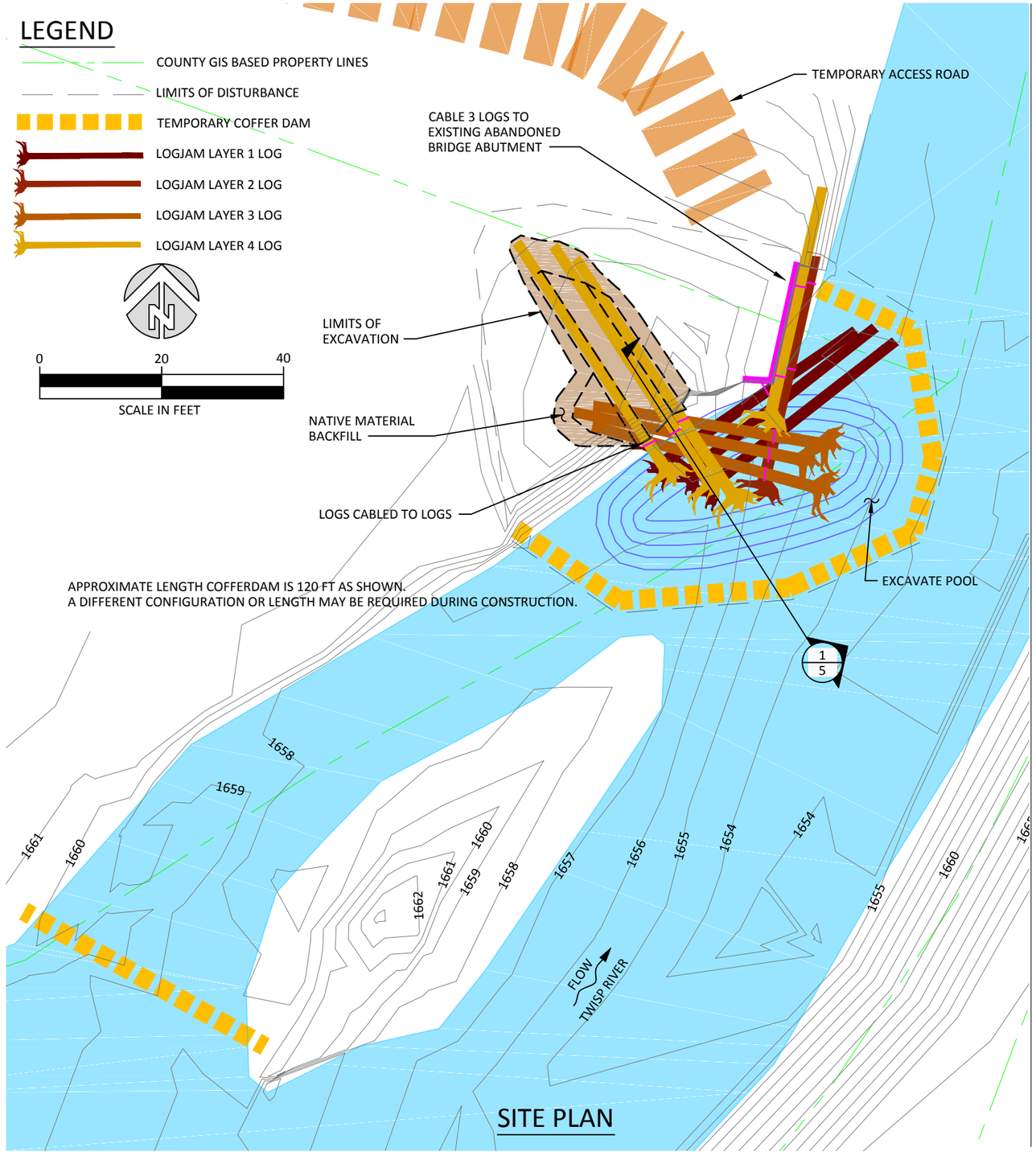
LEGEND

- COUNTY GIS BASED PROPERTY LINES
- LIMITS OF DISTURBANCE
- TEMPORARY COFFER DAM
- LOGJAM LAYER 1 LOG
- LOGJAM LAYER 2 LOG
- LOGJAM LAYER 3 LOG
- LOGJAM LAYER 4 LOG

0 20 40

SCALE IN FEET



SITE PLAN

SUGGESTED CONSTRUCTION SEQUENCE

ACCESS TO THE SITE IS FROM TEMPORARY ACCESS ROUTES. SOME BRUSH CLEARING MAY BE REQUIRED. SALVAGE REMOVED VEGETATION (WITH ROOTS ATTACHED) FOR USE AS SLASH IN STRUCTURE.

INSTALL TEMPORARY COFFERDAM AND PUMP.

EXCAVATE POOL AND LOG BURIAL AREA.

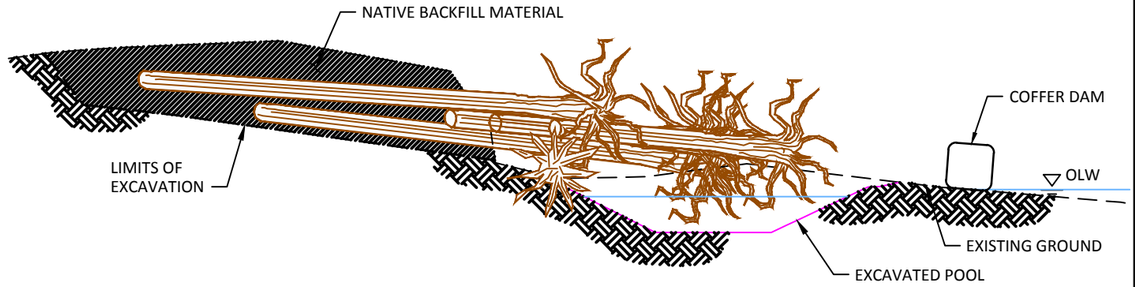
INSTALL LOGS. THREE LOGS SHALL BE CABLED TO THE EXISTING RELIC CONCRETE BRIDGE ABUTMENT. CABLE LOGS TO LOGS.

INCORPORATE CLEARED BRUSH/SLASH AS SMALL WOODY DEBRIS INTERMINGLED WITH INSTALLED LOGS.

BACKFILL STRUCTURE TO PARTIALLY BURY LOGS. ANY REMAINING FILL SHALL BE SPREAD ON SURFACE WITHIN DISTURBANCE AREA.

REMOVE COFFERDAM.

SEED AND MULCH ALL DISTURBED GROUND.



1/5 SECTION - DOWN STREAM EXCAVATED POOL AND LOGJAM

0 10 20

SCALE IN FEET

3-7 TREES >15" IN DIAMETER SHALL BE REMOVED WITH ROOT WAD ATTACHED AND USED IN EITHER LOG JAM A OR B. TREES WILL BE MARKED BEFORE THE PRE-BID FIELD TOUR. SEVERAL SMALLER TREES WILL BE REMOVED FOR ACCESS AND USED AS SLASH IN BOTH LOG JAM A AND B.

MICHAEL R. McALLISTER
STATE OF WASHINGTON
38189
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 09-25-2014

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DOWNSTREAM LOG STRUCTURE

SHEET 5 OF 8

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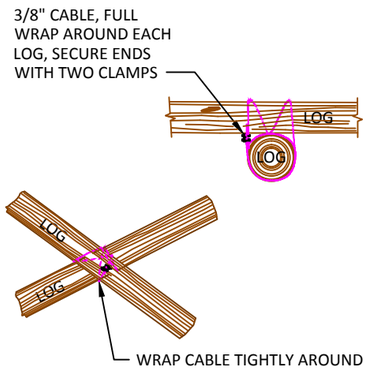


1/6 LOG CABLING DETAIL

NOT TO SCALE

DESCRIPTION

THIS WORK CONSISTS OF ANCHORING LOGS BY CABLING TO OTHER LOGS OR VERTICAL LOG PILES.

MATERIALS

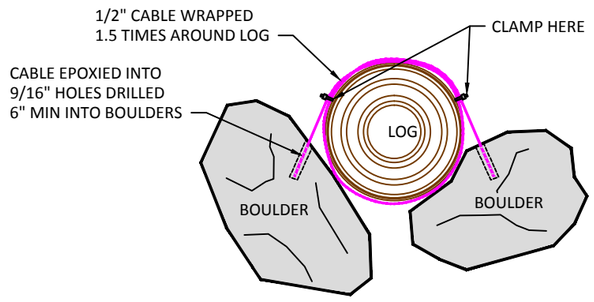
CABLE SHALL BE 3/8 INCH GALVANIZED STEEL CORE WIRE ROPE.

MINIMUM OF 2 CLAMPS PER CONNECTION.

CONSTRUCTION

FINAL POSITIONING OF THE ANCHORED LOG STRUCTURES SHALL BE IN THE APPROXIMATE LOCATION AS SHOWN ON THE PLANS.

LOGS SHALL BE TOUCHING. CABLE SHALL BE WRAPPED TWICE AROUND EACH LOG. PULL TIGHT AND INSTALL MINIMUM TWO CLAMPS PER CONNECTION. CLAMPS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION, SPACING AND CLAMP SIZE AND LOAD RATING OF THE CABLE BEING USED.



2/6 BOULDER BALLAST DETAIL

NOT TO SCALE

DESCRIPTION

THIS WORK CONSISTS OF INSTALLING LOGS WITH ROOT WADS INTO ANCHORED LOG STRUCTURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE OWNERS REPRESENTATIVE.

MATERIALS

ANCHORS FOR THIS WORK WILL CONSIST OF CABLED BOULDERS. BOULDERS SHALL BE NON-FRACTURED BASALT WITH A MINIMUM SPECIFIC GRAVITY OF 2.65.

CABLE SHALL BE ½" GALVANIZED, STEEL CORE WIRE ROPE.

CLAMPS SHALL BE CROSBY CLIPS, G-450, OR APPROVED EQUAL. MINIMUM OF 2 CLAMPS PER ANCHOR POINT.

EPOXY FOR ANCHORING SHALL BE HILTI HIT RE 500 ADHESIVE OR APPROVED EQUAL.

CONSTRUCTION

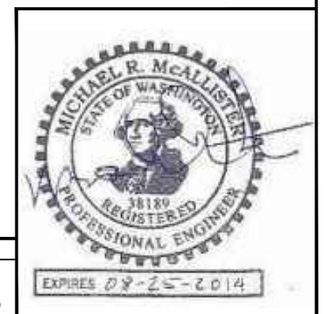
FINAL POSITIONING OF THE ANCHORED LOG STRUCTURES SHALL BE IN THE APPROXIMATE LOCATION AS SHOWN ON THE PLANS AND AS APPROVED IN THE FIELD BY THE OWNERS REPRESENTATIVE.

BALLAST BOULDERS SHALL BE SECURED AS SHOWN ON THE PLANS. EACH LOG SHALL BE ANCHORED AT TWO POINTS.

DRILL HOLES IN SOLID ROCK AND AVOID ANY CRACKS OR FRACTURES. HOLES SHALL BE 9/16 INCH IN DIAMETER. HOLES MUST BE DRILLED 6 INCHES, MINIMUM, INTO ROCK. HOLES MUST BE CLEANED OF LOOSE ROCK FRAGMENTS AND POWDER WITH A BRUSH AND WATER. HOLES MUST BE CLEAN OF ALL DUST, DEBRIS, OIL, AND SOAP RESIDUES. THE HOLES MUST FLUSH CLEAR TO INSURE NO MATERIAL EXISTS BETWEEN THE CABLE, EPOXY, AND ROCK SURFACE. INSTALL EPOXY PER MANUFACTURER'S RECOMMENDATIONS.

CABLE SHALL BE WRAPPED ONCE AROUND LOG BEFORE ENDS ARE INSERTED INTO THE DRILLED HOLES FILLED WITH EPOXY. WIPE CABLE WITH CLEAN ACETONE SOAKED RAG TO REMOVE OILS AND GREASES PRIOR TO INSERTION INTO EPOXY FILLED HOLE. FILL DRILL HOLES ENOUGH TO ENSURE COMPLETE COVERAGE WITH EPOXY. INSERT CABLE INTO HOLE SO THAT END OF CABLE HITS THE BOTTOM OF THE HOLE. EXCESS EPOXY SHOULD COME OUT OF THE TOP OF THE HOLE AS CABLE IS SEATED IN DRILL HOLE.

CLAMPS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION, SPACING AND CLAMP SIZE FOR THE SIZE AND LOAD RATING OF THE CABLE BEING USED.



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CABLING DETAILS

SHEET 6 OF 8

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Project Specifications

This document contains specifications related to the Twisp River Poorman Creek Road Project Plans. Please refer to both the Project Plans and these Project Specifications to account for all project specifications, designs, material standards, and quantities.

001 Mobilization

This item shall consist of preparation work and operations performed by the Contractor in accordance with the provisions of Section 1-09.7 of the Washington Department of Transportation Standard Specifications (Standard Specifications). Mobilization shall also include Demobilization, site cleanup, utilities located, dust control, and traffic control in accordance with the pay schedule identified herein. In addition, all costs for acquiring, preparing, and cleaning up the staging area for the project will be considered part of this item.

Measurement and Payment

Payment for Mobilization shall be by the lump sum contract price for, 'Mobilization', partial payments will be made as in accordance with Section 1-09.7 of the Standard Specifications. Payment shall be considered full compensation for all equipment, labor, tools, materials, and incidentals necessary to complete this work as specified.

002 TESC, SPCC, Plan, and Implementation

This work shall provide for preparation, implementation, and removal of a Temporary Erosion Sediment Control (TESC) plan and for the preparation and implementation of a Spill Prevention Control and Countermeasure (SPCC) plan in accordance with Section 1-07.15 of the Standard Specifications, and as amended by these Special Provisions.

1. The Contractor shall submit an 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 his 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 plan shall include the name, address and 24-hour contact number of the person responsible for erosion prevention and sediment control measures.

2. A Spill Containment Kit shall be on site and crews shall be trained in its use.

3. Biodegradable Hydraulic Fluid shall be installed into each piece of heavy machinery working within 50 feet of the Twisp River.

Measurement and Payment

Payment for TESC & SPCC Plan shall be by the lump sum contract price. Partial payments will be made as in accordance with Section 1-09.9 of the Standard Specifications. Payment shall be considered full compensation for all equipment, labor, tools, materials, and incidentals necessary to complete this work as specified.

003 Temporary Cofferdam

This item consists of providing and installing, maintaining, and removing measures to bypass the surface waters of the stream around in-channel work areas, and to prevent turbidity from entering the river.

Cofferdam shown in the Plans is one acceptable method. The Contractor may use this method or propose a different method that provides equal or better isolation of the work area from the flow. If a different method is proposed, Contractor shall submit drawings showing details of proposed methods for providing temporary isolation of surface water during construction activities. Review and approval of the Cofferdam Plan shall not relieve the Contractor from full responsibility for the adequacy of cofferdam work if the proposed plan is not successful at properly isolating the work area.

Cofferdams shall be suitably offset from work area so as to not interfere with log placement or limit pool excavation.

Measurement

Temporary Cofferdam shall be measured per lump sum.

Payment

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

004 Dewatering

This item includes dewatering work within cofferdam impoundments. In cofferdammed (impoundment) areas, the intent of pumping will not necessarily be to remove all water from the impoundment, but to create a lower-head condition in the impoundment so that if there are any leaks, clean water will flow toward the construction area instead of turbidity flowing away from it.

The Contractor shall specify in advance whether to select Option A or Option B below to provide for project dewatering.

Option A
Provide, install, and operate *two* operable 4" trash pumps to lower the water level inside the impoundment area to prevent the escape of turbidity through or under the cofferdam, or through voids/interstitial space in the riverbed gravel.

Option B
Provide, install, and operate *one* operable 6" trash pump to lower the water level inside the impoundment area to prevent the escape of turbidity through or under the cofferdam, or through voids/interstitial space in the riverbed gravel. (Note - it may be advantageous to use two pumps so that the discharge for each pump can be at a separate location.)

Pumping shall provide a flow rate of at least 1,000 gpm; assume 10' of lift and 200' discharge hose for each pump. Adequate backup pumps should be readily available to the contractor in case of mechanical failure of the primary pumps.

Each water intake shall have a fish screen installed, operated and maintained according to NMFS' fish screen criteria (NMFS 1997; NMFS 2008)

This item shall include monitoring of the discharged water and adding discharge hose or moving of the discharge hose to different locations so that infiltration into the floodplain soils is achieved. Pumped discharge shall not enter the waterway.

Measurement

Measurement for Dewatering shall be lump sum.

Payment

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

005 Log Structure Excavation, Stockpile and Backfill

This item consists of earthwork at Log Structure installation areas. Work includes:

- excavating streambank and streambed materials to achieve subgrade,
- temporarily stockpiling excavated material,
- if feasible, stockpiling sandy gravel material separated from large cobble
- backfilling the Log Structures.
- within work limits, grubbing and stockpiling shrubs, trees, and woody debris to be used as slash.

Construction

Refer to the Plans for general extents of excavation and backfill. After cofferdam and pumps are in place, excavate streambank and streambed to subgrade, segregating and separately stockpiling fine material (sand and gravel) and coarse material (cobble and boulders). Any existing trees, shrubs, or woody debris that will be removed to gain access to excavation areas shall be stockpiled for use in Log Structures. Only trees and shrubs approved and designated for removal by the Owner may be removed.

Backfill shall be used in conjunction with installing Logs to construct Log Structures. Backfill each completed layer of Logs. Apply coarser material on the waterside and finer material to the backside. Install slash along the waterward edge of backfill.

The quantity of this item has been measured by surface subtraction in AutoCAD and is therefore in-place and not factored for expansion. Dry excavated material may be stockpiled near each work site. Wet excavated material shall be hauled to a stockpile area where turbid water draining from the material cannot enter the waterway.

Measurement

Measurement of Log Structure Excavation, Stockpile, and Backfill shall be lump sum of the quantity measured in ACAD. Additional quantities associated with overcutting or cleaning out slumped materials shall be considered incidental to this item. Also incidental to this item are removal, stockpiling of existing trees, shrubs to be used as slash (installation of slash is incidental to Logs).

Payment

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

006 Install Logs

This item consists of on-site movement and installation of Logs (and logs with roots and vertical snags) to construct Log Structures. Logs will be provided by the Owner and will have approximate dimensions of 16-22" diameter and 35-40' length. Incidental to this item are breaking logs in half to provide two vertical snags per log. This item includes cabling logs to other logs or vertical snags, and cable clamping.

Cable for log-to-log connections shall be galvanized, steel core, 3/8-inch diameter and shall have a minimum nominal tensile capacity of 6 tons. Minimum two clamps shall be used at each clamping location.

Cable clamps shall be galvanized steel and shall meet the performance requirements of Federal Specification FF-C-450 TYPE 1 CLASS 1. Cable clamps shall be Crosby Clips, "G-450" or approved equal.

Construction

Installing Logs shall be in conjunction Log Structure Excavation, Stockpile, and Backfill to construct Log Structures as shown in the Plans.

Care should be taken when handling log materials to prevent structural damage and to retain as many roots and branches as possible. The Owner's Representative will be on site to oversee installation of Logs. Installed Logs shall be cabled to other installed logs and/or vertical snags.

Make a complete wrap with the cable around each piece of woody debris to be cabled. The cable wrap axis shall be perpendicular to each log axis to hold the logs tightly to each other. Following clamping, cable shall not have more than a 1-inch gap between the cable and the log when levered with a steel bar. No slack will be allowed. Place, tamp and compact Backfill around the logs to prevent rocking motion of the logs. Continue to install layers of Logs and Backfill to match the lines and grades shown on the Plans.

Measurement

Payment for construction of log structures shall be by lump sum. Incidental to this item are providing and installing cable, and clamps. Installing Slash shall be incidental to this item.

Payment

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

007 Boulders

This item includes the furnishing, storage, movement, and installation of Boulders and cabling boulders to Logs.

Materials

Boulders shall conform to Section 9-03.11(3) and shall be hard, durable, resistant to weathering and to water action, and be free from overburden, spoil, shale, limestone, structural defects and organic material. The density of the boulders shall be 165 pounds per cubic foot, specific gravity of 2.65. Boulders shall be "Four Man" with a median axis of 3 to 4 feet. Minimum weight of each boulder shall be 1.2 tons but 2 ton and larger boulders are preferred and can reduce the required number of boulders and cabling.

Cable for Boulder connections shall be galvanized, steel core, 1/2-inch diameter and shall have a minimum nominal tensile capacity of 12 tons. Minimum two clamps shall be used at each boulder clamping location.

Cable clamps shall be galvanized steel and shall meet the performance requirements of Federal Specification FF-C-450 TYPE 1 CLASS 1. Cable clamps shall be Crosby Clips, "G-450" or approved equal.

Epoxy adhesive used to secure cable to rock boulders shall be Hilti HIT HY 150 epoxy or approved equivalent. When cured, the epoxy adhesive shall meet or exceed the following criteria:

Construction

Boulders shall be installed in layers and in conjunction with installing Logs and Backfill. Refer to the Plans and Specification 006 - Install Logs for additional details and instructions.

Boulders shall be wrapped to Logs by cable, and cable ends inserted into holes drilled into the boulders and filled with epoxy. Drill 9/16 inch diameter, 6" deep holes into solid rock. Avoid drilling near cracks or fractures. Holes shall be cleaned of loose rock fragments and dust with a brush and compressed air. Install epoxy per manufacturer's recommendations.

Cable shall be wrapped once around log before ends are inserted into the drilled holes filled with epoxy. Dip cable end into acetone and wipe clean to remove oils and grease and air dry for at least 30 seconds before inserting cable into epoxy filled hole. Drill holes shall be with epoxy by starting at the bottom and gradually filling upward to prevent trapped air pockets beneath the epoxy. Fill with enough epoxy to ensure complete coverage of the inserted cable. Insert cable into hole slowly to allow any trapped air to escape without blowing the epoxy out. End of cable shall contact the bottom of the hole. A small amount of excess epoxy shall come out of the hole as cable is seated in drill hole.

Measurement

Boulders shall be measured per lump sum and shall include movement, drilling, epoxy, cabling, and clamping. Anchoring logs to the existing concrete abutment is incidental to this item.

Payment

Payment for Boulders shall be full pay for supplying the material, labor, tools, and equipment for installed Boulders.

NO.	BY	DATE	REVISION DESCRIPTION

MJ,LK,DF	MM,MB	MM
DRAWN	DESIGNED	CHECKED
MB	04/01/14	
APPROVED	DATE	PROJECT

CONFEDERATED TRIBES AND BANDS OF YAKIMA NATION
POORMAN CREEK ROAD
SALMON HABITAT PROJECT

inter·fluve
501 Portway Ave, Suite 101
Hood River, OR 97031
541.386.9003
www.interfluve.com

SPECIFICATIONS

Project Specifications cont.

008 Mulch

This item includes procurement and transport to the project site mulch that shall be bales of weed-free seedless straw, derived from wheat that meet the requirements of Section 9-14.4 of the Standard Specifications. Mulch application rate shall be approximately 3 tons/acre. Contractor shall submit certification of weed-free and seedless material.

Measurement

Measurement shall be per ton.

Payment

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

009 Road Repair

Privately owned gravel roads will be used to access the project site. Should construction related activities including mobilization and daily transport to and from the project site have adverse effects upon the private roads the contractor will be responsible for adequate rehabilitation back to pre-project conditions. All road repair activities must be pre-approved by the owner and will be reimbursed for at the bid price for this item.

Measurement

Measurement for private road repairs will be by the square foot of road surface receiving repair.

Payment

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

010 Standby Time

Occasionally environmental factors and/or permit regulations require construction projects to temporarily shut down construction activities to avoid adverse impacts to sensitive resources. A declaration of a Level IV Industrial Fire Precaution Level by fire management agencies is one example of an environmental factor that could forcibly interrupt construction work on site for a matter of days to weeks.

Should regulations or restrictions be enforced upon project construction activities resulting from environmental factors beyond the control of the contractor or the owner, the contractor will discuss options with the owner to determine the best course of action for maintaining the project timelines, preserving the good faith cost estimates for implementing the project as designed, and protecting the contractor from being responsible for cost overruns related to the mandatory shut down.

Discharging staff from the project during shut down periods is one way to control payroll costs that could be incurred by the contractor. However, the owner recognizes that leaving heavy construction equipment at the site can be a cost burden to the contractor if that equipment could be temporarily redeployed at other unaffiliated project sites during the shutdown period. For this reason, the owner shall allow the contractor to charge pre-determined standby rates by a unit of time for pre-identified pieces of heavy equipment in order to preserve the opportunity for the equipment to not be mobilized away from the project site. Determination of when standby time shall be assessed by the contractor will be agreed upon by mutual consent between the contractor and the owner in advance when shut down notices are imminent.

As such, it is required that the contractor provide a schedule of rates for standby time by piece of equipment so that all such costs to the project are known in advance.

Measurement

Standby time will be calculated at the daily rate per piece of equipment as per the contractors bid price.

Payment

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

CONSTRUCTION QUANTITIES

ITEM	QUANTITY	DESCRIPTION
COFFERDAM	~260 L.FT.	
PUMPING		1,000 GPM; 200 FT DISCHARGE
EXCAVATION AND BACKFILL	540 CY	NATIVE RIVER AND FLOODPLAIN SOILS
LOGS WITH ROOTWADS, LONG	23	DOUGLAS FIR; 18" DBH x 40' LONG
LOGS, NO ROOTWAD	6	DOUGLAS FIR; MIN 18" DIA x 40' LONG
3/8" CABLE	300 FT	15 LOG-LOG CONNECTIONS
3/8" CLAMPS	30	2 CLAMPS PER
BOULDERS	30	
1/2" CABLE	400 FT	21 LOB-BOULDER-LOG & 5 LOG-CONCRETE
1/2"CLAMPS	52	MIN 2 CLAMPS PER
MULCH	2.3 TONS	0.8 AC

SMALL TREES AND SHRUBS REMOVED FROM THE WORK AREA SHALL BE INCORPORATED INTO THE LOG STRUCTURES. 5-9 TREES WILL BE INCLUDED, AND THESE WILL BE FLAGGED DURING THE PREBID MEETING.

CABLE AND CLAMP QUANTITIES ARE APPROXIMATE.

NO.	BY	DATE	REVISION DESCRIPTION

MJ,LK,DF	MM,MB	MM
DRAWN	DESIGNED	CHECKED
MB	04/01/14	
APPROVED	DATE	PROJECT

CONFEDERATED TRIBES AND BANDS OF YAKIMA NATION
POORMAN CREEK ROAD
SALMON HABITAT PROJECT

inter·fluve
501 Portway Ave, Suite 101
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541.386.9003
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SPECIFICATIONS

SHEET
8 OF 8

Exhibit A – Scope of Work

Overview
Yakama Nation Fisheries (Owner) is conducting an in-stream salmon habitat restoration project along the lower Twisp River known as the Poorman Creek Road Large Wood Enhancement Project.

The project site is located on the South side of the Twisp River at River Mile 1.9. The nearest street address is 143 Twisp River Road, Twisp, WA 98856.

All work on this project will be directed by the Owner's Designated Representatives. All project specifications including technical specifications, engineered plan sheets, material standards, and quantities are contained within the attached **Exhibit D, Project Plans**. No changes to the Project Plan will be allowed without prior approval from the Designated Representatives.

The attached **Exhibit B** provides the contract Line Item Budget which is referenced to the Work Tasks described on the Specifications Sheet in **Exhibit D. Exhibit C,** outlines the payment plan associated with this contract**.**

Designated Representative
The Owner's Designated Representatives for this project include Yakama Nation Habitat Biologist Jarred Johnson, as well as other Yakama Nation Habitat Biologists associated with the Yakama Nation Upper Columbia Habitat Restoration Project and construction oversight staff provided by the engineering firm who produced the project planset.

Project Tasks
All Project Tasks will be completed as per **Exhibit D.** Major project elements include but are not limited to the following:

- Mobilization
- TESC, SPCC Plan and Implementation
- Temporary Cofferdams
- Dewatering
- Log Structure Excavation and Backfill
- Install Logs
- Mulch
- Boulders
- Road Repair
- Standby Time

Contractors Obligations
The Contractor shall furnish all supervision, labor, equipment and tools necessary to complete the project as described in **Exhibits D**.

Consistent Satisfactory Progress
Consistent satisfactory progress in construction of this project will be required. Satisfactory progress will be measured by both the quality and quantity of work. If for

any reason no work is performed for a period of 10 consecutive days, the contractor may be given a notice of contract cancellation. Consistent satisfactory progress will also be determined by the contractor's demonstrated ability to perform all work tasks described in Exhibits D and E within the permitted in-water work windows. If it appears that the contractor is unable to complete the project tasks within the permitting work window the contractor may be given a notice of contract cancellation. The Owner's Designated Representatives will monitor progress closely.

Project Timeline and Construction Hours

This project will occur adjacent to private lands containing inhabited residences. Construction noise disturbances outside of normal work hours will not be allowed. Work producing construction noise should be conducted between 7:30 AM and 5:30 PM, Monday through Friday. Unless authorized in advance by the designated representative.

Environmental permits for this project require the work be performed during the normal in-water work window for the Twisp River. Therefore the work will be completed between July 15, 2014 and July 31, 2014.

Fish Removal

In-water construction activities will require fish removal of all isolated in-water work sites. Fish removal will be conducted in a timely manner by the Owner's Designated Representatives and the time taken to implement proper fish removal protocols will be considered incidental to the contractor's work tasks.

Standby Time

The contractor shall notify the Owner in advance of any intent to charge for standby time. Prior to invoicing for any standby time, the contractor must receive notice in writing from the Owner's Designated Representatives that standby time is an applicable charge due to construction halting events related to environmental or permitting conditions outside of the control of the Owner or the Contractor. Standby time will be calculated at the daily rate per piece of equipment as per the Contractors bid price. Standby time charges will only apply to full work days where construction activities are not possible and will not be pro-rated by partial work days or hours on standby.

Dust Abatement

Contractor will provide dust abatement as per County and Local ordinances.

Fire Suppression

The contractor will be familiar with and prepared for the requirements associated with IFPL Levels II & III and the restrictions associated with those.

Road Signage

The Contractor will observe all road signage regulations regardless of the project location and **as per Exhibit D if applicable.**

Utilities Location

The Contractor will locate all utilities prior to any excavation.

Communication with Landowners

The Contractor expressly agrees that Contractor and his staff will not communicate with the Landowner in any manner, whether it be in regard to the project or otherwise, without express permission from, or the presence of the Designated Representative.

Exclusivity

During the term of this Agreement, including time taken for mobilization and demobilization of construction equipment, Contractor shall not conduct any work on the property designated in this Agreement unless so directed by the Designated Representative. Any additional work conducted on the property designated in this Agreement by Contractor without the express consent of the Designated Representative shall constitute a material breach of this Agreement, thereby relieving the Yakama Nation from all payment obligations to the Contractor.

EXHIBIT C - PAYMENT

Payment will be made as follows to the contractor in accordance with budget referenced in Exhibit "B."

- The contractor will be allowed to bill on a completed task basis. Each invoice shall specify what tasks were completed. Please see Exhibit B – Budget, for a list of the billable project tasks. Total billable amount shall not exceed _____ unless authorized in writing by the Owner's designated representative.

Tax Exemption

The Contractor shall be exempt from paying state taxes for work performed on salmon habitat restoration projects which the Yakama Nation directs and undertakes as co-manager of fisheries resources pursuant to the Treaty with the Yakama of 1855 (12 Stat.951). A Treaty Fishery Tax Exemption Certificate and justification cover letter are attached to this contract award documentation. It is recommended that the Contractor keep a copy of the cover letter attached to the Tax Exemption Certificate for record keeping purposes.

Invoicing

All invoicing for payments should occur no more than once per month during the contract period. Billing for payroll shall be completed using a Washington State certified payroll report form (attached).

Davis Bacon Wages

Davis Bacon Wages Apply to this contract. The winning contractor will adhere to the Davis Bacon rules and comply and submit all necessary paperwork and certified payroll to the Yakama Nation with each invoice submitted.

Confederated Tribes and Bands
of the Yakama Nation

Established by the

Treaty of June 9, 1855

March 3rd, 2014

Business Name Here
Address
Address

RE: Tax Exemption Restoration Project

Attached please find an executed Treaty Fishery Tax Exemption Certificate concerning the Yakama Nation's contracting with Business Name for construction of salmon habitat which it undertakes as co-manager of fisheries resources pursuant to the Treaty with the Yakama of 1855 (12 Stat.951). The certificate is being provided to Business Name to assist it in complying with seller record keeping requirements in WAC 458-20-192(4). By executing the certificate, the Yakama Nation is certifying only that it is a federally recognized Indian tribe and that the contracted salmon habitat restoration work is part of its treaty fishery management program. The Yakama Nation does not waive sovereign immunity from suit, nor by executing the certificate, acknowledge or dispute the jurisdiction of the state of Washington over any governmental activities of the Yakama Nation or the applicability or non-applicability of any statutes or rules of the state of Washington to the exercise of tribal government operations or rights reserved to the Yakama Nation or its members by the Treaty of 1855. Business Name is advised to keep this letter on record with the attached certificate.

Sincerely,

Tribal Chairperson
Yakama Tribal Council
Yakama Nation

Department of Revenue
Washington State

Reset This Form

Treaty Fishery Tax Exemption Certificate

This document is to be completed by the Tribe, Tribal member, or Intertribal organization whenever claiming an exemption from sales tax for purchases of Treaty Fishery items.

Type of Certificate:

☐ **Blanket Certificate** (*Blanket certificates are valid for as long as the buyer and seller have a recurring business relationship. A "recurring business relationship" means at least one sale transaction within a period of twelve months. RCW 82.08.050 (7)(c)).*

☑ **Single Use Certificate**

Seller's name: _____ Date: 03/03/14

Address: _____ City: _____ State WA Zip code: _____

The purchaser is claiming exemption for the following Treaty Fishery item(s) or service(s):

Check Applicable Boxes

☐ Boat, Boat Trailer
☐ Gear, Net
☐ Boat/Engine Repair
☐ Laboratory Equipment
☐ Smoking Equipment
☐ Operating Supplies
☐ Motor
☐ Specialized Clothing
☐ Hatchery Equipment
☐ Processing Equipment
☑ Other (explain): Construction of salmon habitat restorati

Provide one of the following:

☑ Federally recognized Tribe of the purchaser: Confederated Tribes and Bands of The Yakama N and

Treaty Indian Fishing Identification Card number: _____ **or**

☐ Name of Intertribal Organization: _____

Note: This exclusion from tax is limited to those businesses wholly owned and operated by Indians/Tribes who have Treaty fishing rights and to Intertribal organizations for the protection of Indian Treaty Fisheries. Treaty Fishery means the fishing and shellfish rights preserved in a Tribe's treaty, a federal executive order, or an act of Congress. It includes activities such as harvesting, processing, transporting, or selling, as well as activities such as management and enforcement.

Sellers must document the buyer's name, address, item(s) purchased, and dollar amount of purchase. Reference: RCW 82.08.0254 and WAC 458-20-192.

I, the undersigned buyer, understand that by completing and signing this certificate I am certifying that I qualify for the tax-exempt purchase(s) indicated above. I understand that I am required to keep records to verify eligibility for the exemption(s) and that I will be required to pay sales or use tax on purchases that do not qualify for the exemption(s) in addition to any applicable interest and penalties. This certificate is given with full knowledge of, and subject to, the legally prescribed penalties for fraud and tax evasion per RCW 82.32.090.

Buyer's name: Yakama Nation Telephone number: (509) 865-5121

Signature: _____ Date: _____

Address: PO Box 151 City: Toppenish State: WA Zip code: 98948

Seller must retain a copy of this certificate.
Do not send to Department of Revenue.

For tax assistance or to request this document in an alternate format, visit http://dor.wa.gov or call 1-800-647-7706. Teletype (TTY) users may call (360) 705-6718.

REV 27 0049e (5/24/11)

Print This Form