



2015 Fender Mill Restoration Project Spoils Repository

Request for Bids

Columbia River

Honor. Protect.
Restore.

OFFICE
P.O. Box 151
401 Fort Road
Toppenish, WA 98948

PHONE
(509) 865-5121 x6308

FAX
(509) 865-6293

EMAIL
smih@yakamafish-nsn.gov

WEB
Yakamafish-nsn.gov

Dear Contractor:

April 1, 2015

The Yakama Nation's Upper Columbia Habitat Restoration Project is requesting bids from qualified contractors to receive excavated spoils from a salmon habitat restoration project along the Methow River northwest of Winthrop, WA. This Request for Bids packet is seeking to solicit competitive bids for securing a nearby spoils repository for a majority of the excavated spoils which cannot be disposed of at the 2015 Fender Mill Side Channel Restoration project site. The nearness to the Fender Mill project site and the size adequacy of spoils repositories proposed under this bid solicitation will be closely considered in determining the best quality bids and final bid award.

Attached to this bid solicitation letter you will find:

- The Draft Fender Mill Side Channel Restoration Project Planset
- A map depicting the location of the Fender Mill project site
- A photo exhibit illustrating the character of the alluvial materials to be received under this proposed contract
- A copy of the proposed Scope of Work for the Fender Mill Spoils Repository Contract
- A copy of the proposed Payment Plan for the Fender Mill Spoils Repository Contract
- A blank Description of the Proposed Designated Spoils Repository Form to be filled out and certified by any interested bidders
- A blank Competitive Bid Price Sheet to be filled out and certified by any interested bidders

If you are interested in bidding on this contract please utilize all of the attached documentation to determine your bidding statement for the Description of the Proposed Designated Spoils Repository Form and the Competitive Bid Price Sheet. These forms must be fully completed and certified as directed for a bid to be considered complete. Additionally, to be considered qualified all contractors must demonstrate their ability to efficiently measure and receive large quantities of construction spoils at the proposed repository in a manner that will not adversely affect construction progress at the Fender Mill project site. Demonstration of the suitability of the proposed site to operate as a spoils repository, including all applicable licenses and permits, is also required.

Please note:

- Davis Bacon Wages apply to this contract. The winning contractor will adhere to the Davis Bacon rules and comply and submit all necessary paperwork to the Yakama Nation.

- 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.

If you are interested in an award for this contract please submit a bid package to:

Yakama Nation

Attn: Jackie Olney

RE: Fender Mill Restoration Project Spoils Repository

PO Box 151

Toppenish WA, 98948

(Shipping address: 401 Fort Road, Toppenish, WA 98948)

Bids can only be received by mail, parcel delivery service, or hand delivered. All bid documentation must be provided as a single package. Bids must be received by close of business on **Wednesday, April 15, 2015**. Please specify in writing on the bid sheets that all bid prices will be valid for at least 150 days.

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

- ***An ability to accurately measure the amount of material deposited at the spoils repository by the ton.***
- ***A detailed timeline of how you propose to get all project tasks completed within the stated project timeline.***
- ***A list of key pieces of heavy equipment that will be used for this project.***

The Fender Mill Side Channel Restoration Project will be conducted between **July 15 and November 15, 2015**. Excavation and hauling of most of the construction spoils will be expected to occur within the first six to eight weeks of the construction project, although some hauling might occur later than the eighth week. Hauling of construction spoils will occur on normal non-holiday weekdays between the hours of 7:30 am and 7:00 pm.

Please note that this project is pending on permitting and final landowner permission. The Yakama Nation reserves the right to accept or reject any and all of the proposals received as a result of this request, or to cancel in part or entirely this request if it is in the best interest of the Yakama Nation to do so. This request does not commit the Yakama Nation to pay any costs incurred in the preparation of a proposal.

Sincerely,



Hans Smith

Habitat Biologist

Yakama Nation Fisheries

2 Johnson Lane

Winthrop, WA 98862

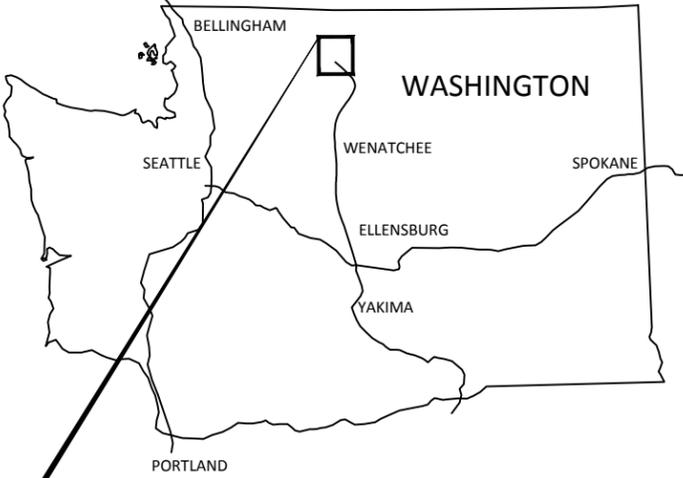
(509) 449-2750 (Work Cell)

(509) 996-5005 (Winthrop Office)

smih@yakamafish-nsn.gov

FENDER MILL SIDE CHANNEL

90% DESIGN

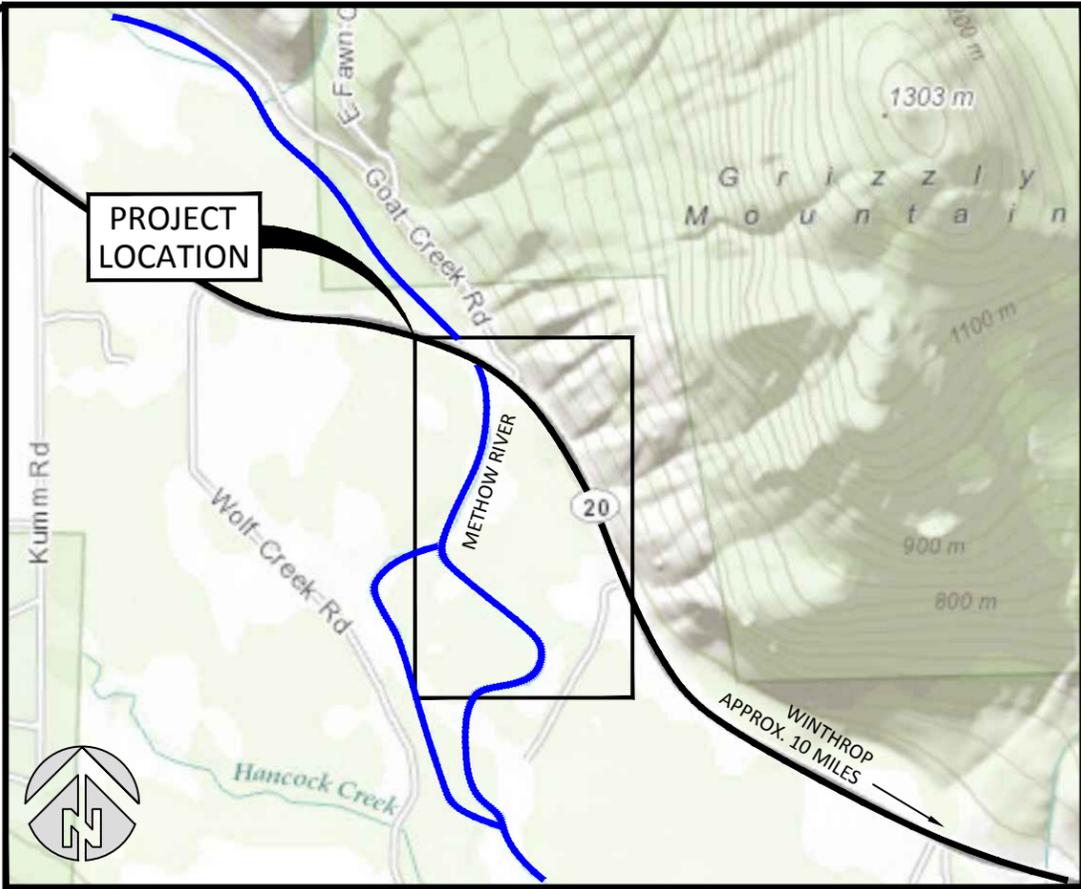


VICINITY MAP
NOT TO SCALE

COORDINATES:
LATITUDE: 48°32'15" N
LONGITUDE: 120°19'15" W

OKANOGAN COUNTY
SECTION 15, TOWNSHIP 35N, RANGE 20E

WATERBODY: METHOW RIVER
TRIBUTARY OF: COLUMBIA RIVER



SITE MAP
NOT TO SCALE



YAKAMA NATION FISHERIES
2 JOHNSON LANE
WINTHROP WA, 98862

SHEET LIST

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NO.	BY	DATE	REVISION DESCRIPTION

RP,DF DRAWN	MB,MM,RP DESIGNED	MB,MM CHECKED
MB APPROVED	03/16/15 DATE	PROJECT

CONFEDERATED TRIBES AND BANDS OF THE YAKAMA NATION
METHOW RIVER
FENDER MILL SIDE CHANNEL



501 Portway Avenue, Suite 101
Hood River, OR 97031
541.386.9003
www.interfluve.com

COVER, SHEET LIST, AND
VICINITY MAPS

EXISTING DATA

GENERAL TOPOGRAPHIC INFORMATION IS PROVIDED FROM LIDAR FROM BOR AND SPECIFIC PROJECT AREA SURVEY PERFORMED BY INTER-FLUVE, INC. NOVEMBER 2ND TO NOVEMBER 6TH, 2009. SURVEY IS BASED ON A LOCAL COORDINATE SYSTEM.

SOILS

METHOW RIVER GRAVEL AND FLOODPLAIN 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

ENTER THE SITE FROM HIGHWAY 20.

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 SAPLING AND TREES TO BE TRANSPLANTED OR REMOVED SHALL BE APPROVED AND CLEARLY MARKED BY THE OWNER'S REPRESENTATIVE.

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

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.

ALL FISH TRAPPED IN RESIDUAL POOLS WITHIN THE PROJECT AREA WILL BE CAREFULLY COLLECTED BY SEINE AND/OR DIP NETS AND PLACED IN CLEAN TRANSFER CONTAINERS WITH ADEQUATE VOLUME OF WATER AND HELD WITHIN NO LONGER THAN 10 MINUTES.

CAPTURED FISHES SHALL BE IMMEDIATELY RELEASED INTO THE RIVER.

TREE SALVAGE

ANY REMOVED VEGETATION GREATER THAN 6 INCHES DIAMETER AND 15 FEET LONG SHOULD BE INCORPORATED INTO LOG JAM STRUCTURES. CONTRACTOR IS RESPONSIBLE FOR REMOVING SMALLER CLEARING AND GRUBBING DEBRIS FROM THE SITE AT THE END OF THE PROJECT UNLESS DIRECTED BY THE OWNER'S REPRESENTATIVE.

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

PLACE SALVAGED BRUSH AND TREES ONTO SURFACES ADJACENT TO THE CLEARING AND GRUBBING AREA. SALVAGED BRUSH AND TREES SHALL BE PULLED FROM THE ADJACENT AREAS AND INCORPORATED INTO CHANNEL CONSTRUCTION.

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.

SUMMARY OF QUANTITIES

Item	Quantity	Unit	Notes
Imported Large Wood (rootwads)	194	Pieces	30-ft 18-24-in dbh (800 cy)
Imported Large Wood (logs)	338	Pieces	30-ft 18-24-in dbh (1180 cy)
Temporary Silt Fence	100	LF	
Check Dam Gravel	400	CY	
Side Channel			
Area	182,952	SF	
Excavation	32,700	CY	
Fill	600	CY	
Groundwater Pipe Trench			
Area	29,621	SF	
Excavation	5,713	CY	
Imported Fill	1,292	CY	2" minus washed gravel
Native Fill	4,421	CY	

*APPROXIMATE CONSTRUCTION QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY, AND ARE NOT TO BE USED AS BASIS FOR COMPENSATION. EARTHWORK VOLUMES ARE "IN-PLACE" AND NOT ADJUSTED FOR EXPANSION OR COMPACTION.

ABBREVIATIONS

- TYP TYPICAL
- APPROX APPROXIMATE
- MH MANHOLE
- STA STATION
- NTS NOT TO SCALE
- ELEV ELEVATION
- CL CENTERLINE
- XS CROSS SECTION
- MIN MINIMUM
- MAX MAXIMUM
- LWD LARGE WOODY DEBRIS (LOGS)
- OHW ORDINARY HIGH WATERLINE
- CFS CUBIC FEET PER SECOND
- GPM GALLONS PER MINUTE
- LBS POUNDS
- IN INCHES
- FT FEET
- LF LINEAL FEET
- SF SQUARE FEET
- SY SQUARE YARDS
- CY CUBIC YARDS
- AC ACRES
- OC ON CENTER
- PLS PURE LIVE SEED
- TESC TEMPORARY EROSION AND SEDIMENT CONTROL
- SWPPP STORMWATER POLLUTION PREVENTION PLAN

NO.	BY	DATE	REVISION DESCRIPTION

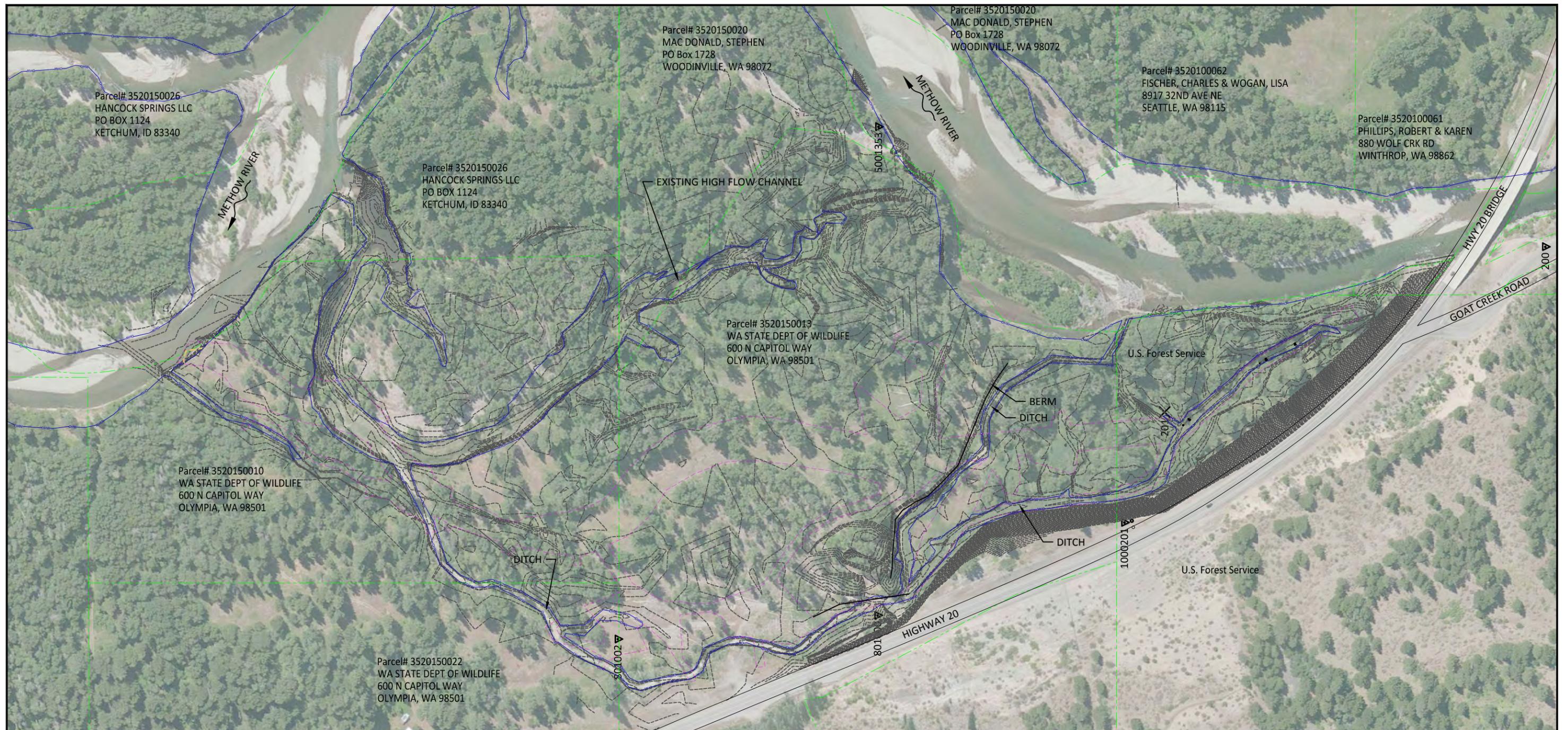
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GENERAL NOTES



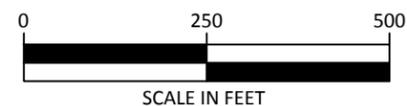
PLAN VIEW OF EXISTING CONDITIONS

SURVEY CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
200	563793.755	1764014.939	1977.715	PK NAIL 200
201	562708.477	1764724.393	1980.102	PK NAIL 201
51353	562074.592	1763706.170	1946.146	REBAR 60410
81000	562072.391	1764963.303	1948.796	BOR 2329 GPIN
81002	561402.734	1765024.235	1941.670	BOR 24 GPIN

LEGEND

- EXISTING CONTOURS (1 FOOT INTERVALS)
- ▲ CP 603 SURVEY CONTROL POINT
- — — — — ORDINARY HIGH WATER
- — — — — PROPERTY LINES
- — — — — PROPOSED LIMITS OF DISTURBANCE

NOTE:
SPECIFIC PROJECT AREA SURVEY PERFORMED BY INTER-FLUVE, INC.
NOVEMBER 2ND TO NOVEMBER 6TH, 2009, AND SPRING AND FALL
OF 2014.



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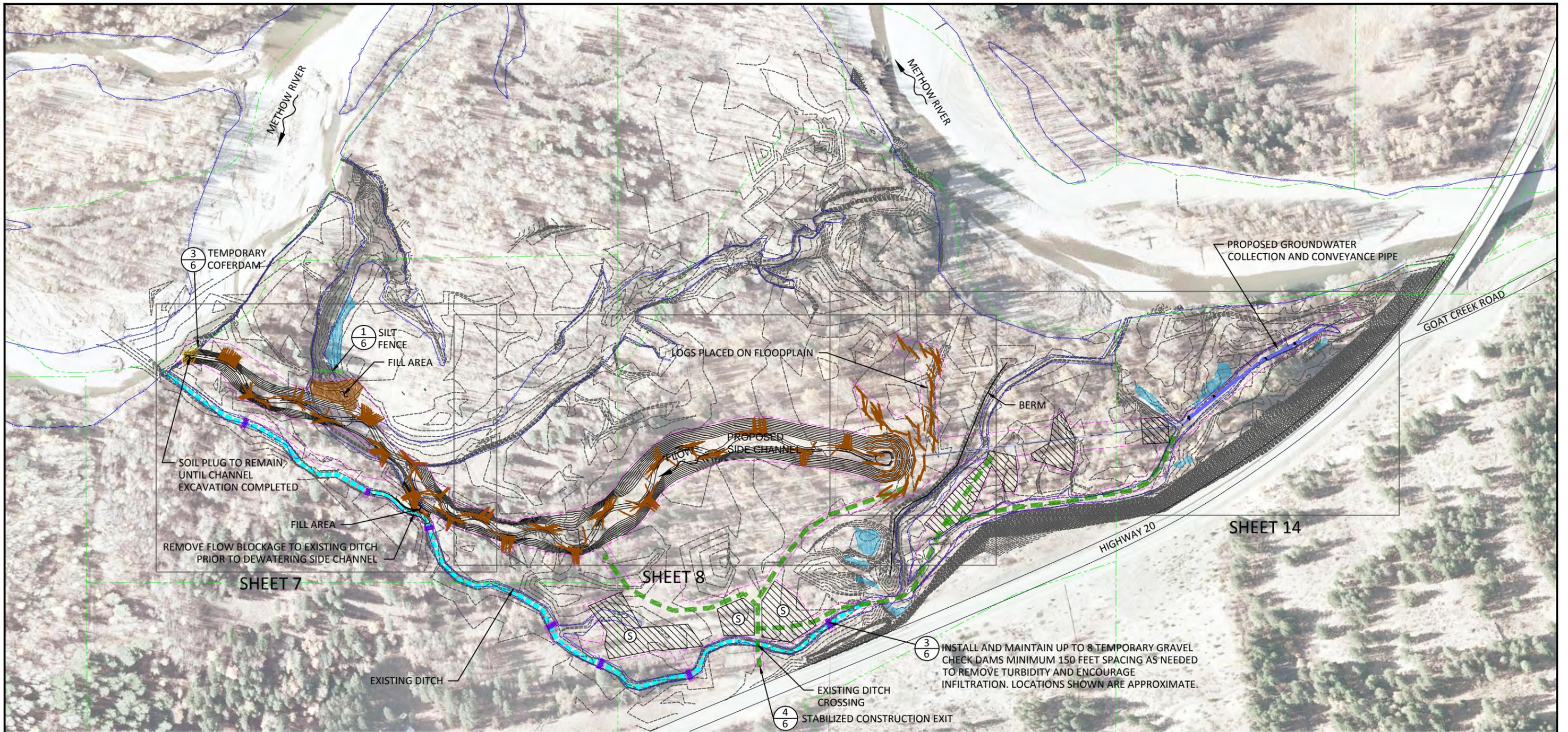
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PLAN VIEW EXISTING CONDITIONS
PROPERTY OWNERSHIP

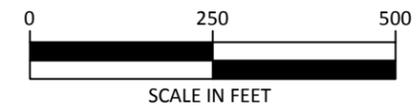
SHEET
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LEGEND

- EXISTING CONTOURS (1-FT INTERVAL)
- PROPOSED CONTOURS (1 FT INTERVAL)
- ▨ TEMPORARY GRAVEL CHECKDAM
- TEMPORARY ACCESS ROUTE
- ▨ TEMPORARY STAGING/STOCKPILE
- LIMITS OF DISTURBANCE
- SILT FENCE
- ⌵ LOG INSTALLATIONS
- ▨ SOIL PLUG
- EXISTING DITCH TO BE USED FOR DEWATERING
- ▨ FILL
- ORDINARY HIGH WATER
- PROPERTY LINES
- ▨ STOCKPILE AREA FOR STORING FILL TO BE TRANSFERRED TO ROAD HAULERS

PLAN VIEW



NOTE:
ALL TREES TO REMAIN EXCEPT THOSE
FIELD MARKED FOR REMOVAL.

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PLAN VIEW ACCESS, STAGING,
AND EROSION CONTROL

SHEET
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EROSION CONTROL PLAN

THE CONTRACTOR IS ADVISED THAT THE PROJECT AREA DRAINS TO A SALMON BEARING STREAM AND/OR STATE WATERS AND THAT THE CONTRACTOR IS RESPONSIBLE TO PROTECT THE RECEIVING WATERS FROM DELETERIOUS EFFECTS OF CONSTRUCTION.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE EROSION CONTROL MEASURES SHOWN OR DESCRIBED IN THE CONTRACT DOCUMENTS AND ANY ADDITIONAL MEASURES THAT MAY BE REQUIRED BY THE CONTRACTORS MEANS AND METHODS OF CONSTRUCTION AS NEEDED TO CONTROL EROSION AND SEDIMENT AT THE CONSTRUCTION SITE AND TO PREVENT VIOLATION OF SURFACE WATER QUALITY, GROUND WATER QUALITY, OR SEDIMENT MANAGEMENT STANDARDS. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION AND UNTIL ALL DISTURBED EARTH IS STABILIZED IN FINISH GRADES.

INSPECTION AND MAINTENANCE

ALL BEST MANAGEMENT PRACTICES (BMPs) SHALL BE INSPECTED, MAINTAINED, AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL ON-SITE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES OF RAIN PER 24 HOUR PERIOD.

SEDIMENT MUST BE REMOVED FROM SILT FENCES BEFORE IT REACHES APPROXIMATELY ONE THIRD THE HEIGHT OF THE FENCE, ESPECIALLY IF HEAVY RAINS ARE EXPECTED.

EROSION CONTROL

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL NECESSARY EROSION CONTROL FACILITIES TO COMPLY WITH APPLICABLE EROSION CONTROL REGULATIONS.

THE CONTRACTOR SHALL ENSURE THAT MATERIALS FOR EMERGENCY EROSION CONTROL ARE ONSITE, INCLUDING BUT NOT LIMITED TO: SEDIMENT CONTROL MATERIALS (I.E. SILT FENCE, STRAW BALES, STRAW WATTLES, DIRT BAGS); AN OIL-ABSORBING, FLOATING BOOM WHENEVER FLOWING SURFACE WATER IS PRESENT.

THE CONTRACTOR SHALL IMPLEMENT MEASURES TO CONTROL AND MINIMIZE WIND-BLOWN DUST FROM THE SITE.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING EROSION, SEDIMENT, AND POLLUTION CONTROL MEASURES TO COMPLY WITH ALL APPLICABLE REGULATIONS. NOTICE TO PROCEED WILL NOT BE ISSUED UNTIL THE CONTRACTOR OBTAINS AN APPROVED ESC PLAN.

THE CONTRACTOR SHALL SUBMIT NAME, ADDRESS AND 24-HOUR PHONE NUMBER OF PERSON RESPONSIBLE FOR EROSION PREVENTION AND SEDIMENT CONTROL MEASURES, AND SPILL CONTAINMENT.

THE IMPLEMENTATION OF EROSION, SEDIMENT, AND POLLUTION CONTROL MEASURES AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED, AND VEGETATION IS ESTABLISHED.

CONTRACTOR'S TESC RECORD

WEEKLY REPORTS SUMMARIZING THE SCOPE OF INSPECTIONS, THE PERSONNEL CONDUCTING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS SWPPP, AND ACTIONS TAKEN AS A RESULT OF THESE INSPECTIONS SHALL BE PREPARED AND RETAINED ON SITE BY THE CONTRACTOR. IN ADDITION, A RECORD OF THE FOLLOWING DATES SHALL BE INCLUDED IN THE REPORTS:

1. WHEN MAJOR GRADING ACTIVITIES OCCUR,
2. DATES OF RAINFALL EVENTS EITHER EXCEEDING 2 HOURS DURATION OR MORE THAN 0.5 INCHES/24 HOURS,
3. WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON SITE, OR ON A PORTION OF THE SITE,
4. WHEN STABILIZATION MEASURES ARE INITIATED FOR PORTIONS OF THE SITE.

SWPPP REQUIRED REPORTS SHALL BE MADE AVAILABLE TO THE OWNER AND ENGINEER ON REQUEST AND SHALL BE PROVIDED FOR REVIEW AND APPROVAL PRIOR TO APPLICATION FOR PAYMENT.

VEHICLE OPERATIONS AND STAGING

THE CONTRACTOR SHALL COMPLETE VEHICLE STAGING, CLEANING, MAINTENANCE, REFUELING, AND FUEL STORAGE IN VEHICLE STAGING AREA PLACED 100 FEET OR MORE FROM ANY STREAM, WATER BODY OR WETLAND.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A SPILL CONTAINMENT AND CONTROL PLAN WITH NOTIFICATION PROCEDURES. SPECIFIC CLEANUP AND DISPOSAL INSTRUCTIONS FOR DIFFERENT PRODUCTS. THE CONTRACTOR SHALL STAGE QUICK RESPONSE CONTAINMENT AND CLEANUP MEASURES ON THE SITE, ALONG WITH PERSONEL TRAINED IN PROPOSED METHODS FOR DISPOSAL OF SPILLED MATERIALS AND SPILL CONTAINMENT.

CONTRACTOR SHALL INSPECT ALL VEHICLES OPERATED WITHIN 150 FEET OF ANY STREAM, WATER BODY OR WETLAND DAILY FOR FLUID LEAKS BEFORE LEAVING THE VEHICLE STAGING AREA. REPAIR ANY LEAKS DETECTED IN THE VEHICLE STAGING AREA BEFORE THE VEHICLE RESUMES OPERATION. DOCUMENT INSPECTIONS IN A RECORD THAT IS AVAILABLE FOR REVIEW UPON REQUEST.

BEFORE OPERATIONS BEGIN AND AS OFTEN AS NECESSARY DURING OPERATION, PRESSURE WASH ALL EQUIPMENT THAT WILL BE USED BELOW BANKFULL ELEVATION UNTIL ALL VISIBLE EXTERNAL OIL, GREASE, MUD, AND OTHER VISIBLE CONTAMINANTS ARE REMOVED.

THE CONTRACTOR SHALL DIAPER ALL STATIONARY POWER EQUIPMENT (I.E. GENERATORS, PUMPS, CRANES) OPERATED WITHIN 100 FEET OF ANY STREAM, WATER BODY OR WETLAND TO PREVENT LEAKS, UNLESS SUITABLE CONTAINMENT IS PROVIDED TO PREVENT POTENTIAL SPILLS FROM ENTERING ANY STREAM OR WATER BODY.

SEDIMENT CONTROLS

THE DUFF LAYER, NATIVE TOP SOIL, AND NATURAL VEGETATION SHALL BE RETAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICABLE. THE CONTRACTOR SHALL MARK ALL AREAS WHICH ARE NOT TO BE DISTURBED, INCLUDING SETBACKS, SENSITIVE/CRITICAL AREAS AND THEIR BUFFERS. TREES AND DRAINAGE COURSES NOT TO BE DISTURBED SHALL BE MARKED AND FLAGGED BEFORE CONSTRUCTION ACTIVITIES ARE INITIATED.

CONTROL POLLUTANTS

CONTRACTOR MUST PREPARE A SPILL PREVENTION CONTROL AND COUNTER MEASURE (SPCC) PLAN AND IMPLEMENT REQUIRED MEASURES TO CONTROL POLLUTANTS. SEE THE SPECIAL PROVISIONS.

ALL POLLUTANT DISCHARGES OTHER THAN SEDIMENT THAT OCCUR ON SITE DURING CONSTRUCTION SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER, GROUNDWATER, OR SOILS TO REMAIN ON SITE.

THE USE OF LIME, FLYASH, OR OTHER SOIL AMENDMENTS THAT COULD ALTER THE PH OF DISCHARGE WATERS IS PROHIBITED.

STABILIZE SOILS AND PROTECT SLOPES

FROM MAY 1 THROUGH SEPTEMBER 30, ALL EXPOSED SOILS SHALL BE PROTECTED FROM EROSION BY MULCHING, PLASTIC SHEETING, HYDROSEED COVERING, OR OTHER APPROVED MEASURES WITHIN ONE WEEK OF GRADING. FROM OCTOBER 1 THROUGH APRIL 30, ALL EXPOSED SOILS MUST BE PROTECTED WITHIN 2 DAYS OF GRADING. SOILS SHALL BE STABILIZED BEFORE A WORK SHUTDOWN, HOLIDAY OR WEEKEND IF NEEDED BASED ON THE WEATHER FORECAST. SOIL STOCKPILES MUST BE STABILIZED AND PROTECTED WITH SEDIMENT TRAPPING MEASURES. HYDROSEED AS SOON AS PRACTICAL ALL DISTURBED AREAS NOT INDICATED IN THE CONTRACT DOCUMENTS FOR OTHER PERMANENT STABILIZATION MEASURES. DESIGN, CONSTRUCT, AND PHASE CUT AND FILL SLOPES IN A MANNER THAT WILL MINIMIZE EROSION. REDUCE SLOPE VELOCITIES ON DISTURBED SLOPES BY PROVIDING TEMPORARY BARRIERS. STORMWATER FROM OFF SITE SHOULD BE HANDLED SEPARATELY FROM STORMWATER GENERATED ON SITE.

AFTER FINAL SITE STABILIZATION

ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPs ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED FROM THE SITE OR INCORPORATED INTO FINISHED GRADING. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.

CONTROL WATER

TEMPORARY COFFERDAM

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL STATE AND FEDERAL ENVIRONMENTAL PERMITS ISSUED FOR THE PROJECT FOR ADDITIONAL EROSION CONTROL OR BMP REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL CONSTRUCTION RELATED PERMIT REQUIREMENTS ARE FOLLOWED.

A TEMPORARY COFFERDAM SHALL BE USED TO ISOLATE EXCAVATION AREAS FROM THE RIVER. INSTALLATION OF TEMPORARY COFFERDAM SHALL BE CONCURRENT WITH FISH RESCUE. CONTRACTOR SHALL COORDINATE WITH THE YAKAMA NATION FISHERIES FOR FISH RESCUE. CONTRACTOR SHALL PROVIDE YAKAMA FISHERIES AMPLE TIME TO SCHEDULE FISH RESCUE. IF THE COFFERDAM FAILS DUE TO CONTRACTOR NEGLIGENCE, FISH RESCUE SHALL BE REPEATED BY YAKAMA FISHERIES CREWS AT CONTRACTOR'S EXPENSE.

DEWATERING

CONTRACTOR SHALL PERFORM CONSTRUCTION DEWATERING IN SUCH A MANNER AS TO AVOID THE RELEASE OF SEDIMENT-LADEN WATER TO SURFACE WATERS. SEDIMENT LADEN WATER MAY BE PUMPED TO AN UPLAND DISCHARGE LOCATION AND ALLOWED TO SHEET FLOW THROUGH EXISTING VEGETATION BEFORE INFILTRATING INTO THE GROUND. IF THIS METHOD IS NOT SUFFICIENT TO PREVENT RETURN OF TURBID WATER TO THE RIVER, A 'DIRT-BAG' OR SEDIMENT RETENTION STRUCTURE MAY BE REQUIRED AS NECESSARY TO COMPLY WITH LAWS AND PERMIT REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.

CONTRACTOR SHALL PROVIDE VISQUINE OR GEOTEXTILE LINER OR PLYWOOD OR METAL PLATING AS NECESSARY TO DISSIPATE PUMP DISCHARGE JET TO PREVENT EROSION.

SIDE CHANNEL DEWATERING:

SIDE CHANNEL SITE DEWATERING AND CONTROL OF WATER WILL REQUIRE PUMPING. THE OVERALL DEWATERING PUMPING SYSTEM WILL INCLUDE TWO PUMPING SCHEMES:

1. TWO 3" PUMPS SHALL MOVE ALONG WITH EACH WORK AREA TO REMOVE LOCAL GROUNDWATER FOR ~200' LENGTHS OF CHANNEL CONSTRUCTION. ONE PUMP AT UPSTREAM END AND ONE DOWNSTREAM. THE WATER SHALL BE PUMPED TO UPLAND AREAS FOR INFILTRATION.
2. AT THE DOWNSTREAM END OF THE PROJECT, NEAR THE COFFERDAM, A 6" PUMP AND 4" BACKUP PUMP SHALL BE INSTALLED TO REMOVE SEDIMENT-LADEN WATER AND DISCHARGE IT TO NEARBY UPLAND AREAS FOR INFILTRATION.

PIPE TRENCH DEWATERING:

THE CONTRACTOR MAY ELECT TO INSTALL PIPE AFTER THE SIDE CHANNEL IS FULLY OR PARTIALLY CONSTRUCTED SO THAT WATER DEVELOPED FROM PIPE TRENCH EXCAVATIONS CAN DRAIN TO THE SIDE CHANNEL. CONSTRUCTION WATER DISCHARGED TO THE SIDE CHANNEL CAN THEN BE PUMPED TO UPLAND AREAS FOR INFILTRATION. PREVENT PUMP DISCHARGE FROM FLOWING INTO WETLAND AREAS.

REMOVE SEDIMENT THAT SETTLES IN THE SIDE CHANNEL. DO NOT ALLOW GRAVEL TO ENTER PIPE.

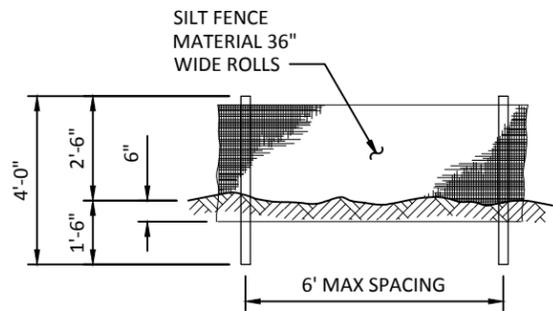
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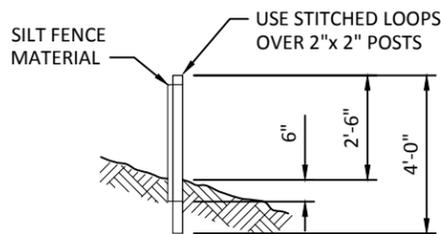
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METHOW RIVER
FENDER MILL SIDE CHANNEL



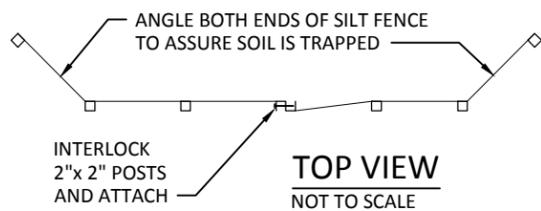
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FRONT VIEW
NOT TO SCALE



SIDE VIEW
NOT TO SCALE

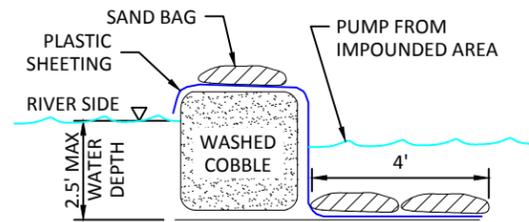


TOP VIEW
NOT TO SCALE

1 # TYPICAL SILT FENCE
NOT TO SCALE

SILT FENCE NOTES:

1. THE SILT FENCE SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, SILT FENCE SHALL BE SPliced TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST. ALTERNATIVELY, OVERLAP AND INTERLOCK TWO POSTS WITH ATTACHED FABRIC AS REQUIRED TO MEET APPLICABLE REGULATIONS.
2. THE SILT FENCE IS TO BE INSTALLED AT LOCATIONS SHOWN ON THE PLAN ALONG THE DOWNHILL PERIMETER OF CONSTRUCTION AREAS. THE FENCE POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24 INCHES.
3. THE SILT FENCE SHALL HAVE A MINIMUM VERTICAL BURIAL OF 6 INCHES. ALL EXCAVATED MATERIAL FROM SILT FENCE INSTALLATION SHALL BE BACK-FILLED AND COMPACTED ALONG THE ENTIRE DISTURBED AREA.
4. STANDARD OR HEAVY DUTY SILT FENCE SHALL HAVE MANUFACTURED STITCHED LOOPS FOR 2 INCHES X 2 INCHES POST INSTALLATION.
5. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY PROTECTED AND STABILIZED, OR AS DIRECTED BY OWNER'S REPRESENTATIVE.

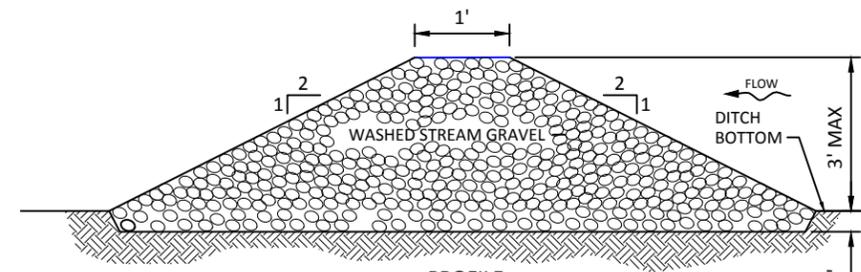


SINGLE LAYER COFFERDAM
(WATER DEPTH LESS THAN 2.5')

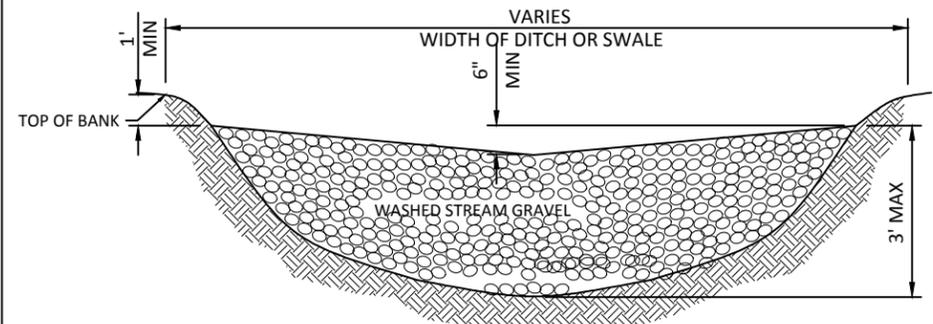
2 # TYPICAL BULK BAG COFFERDAM
NOT TO SCALE

TEMPORARY COFFERDAM (BULK BAG) NOTES:

1. 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.
2. 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.
3. 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.
4. THE OUTWARD EDGE OF PLASTIC SHEETING ON WORK AREA SIDE 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.
5. 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 SANDBAGS MAY BE REQUIRED TO FORM A WATERTIGHT SEAL.
6. 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.
7. PLASTIC SHEETING SHALL BE MINIMUM 6-MIL THICKNESS. ROLL LENGTH SHALL BE LONG ENOUGH TO ENSURE THAT ENTIRE LENGTH OF COFFERDAM WILL BE COVERED WITHOUT A SEAM. MINIMUM 12-FT WIDE ROLL SHALL BE USED FOR SINGLE LAYER BULK BAG COFFERDAM. MINIMUM 16-FT WIDE ROLL SHALL BE USED FOR 2-LAYER STACKED BULK BAG COFFERDAM.
8. CONTRACTOR SHALL PROVIDE PUMPING SUFFICIENT FOR A NET INFLOW TO THE WORK AREA, AND DISCHARGE TURBID WATER TO UPLAND FLOODPLAIN.
9. BULK BAG COFFERDAM SHALL BE COMPLETELY REMOVED AFTER CONSTRUCTION IS COMPLETED AND TURBIDITY HAS BEEN REMOVED.
10. 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.
11. IF NECESSARY, GAPS BETWEEN BULK BAGS SHALL BE FILLED WITH WASHED STREAM GRAVEL TO IMPROVE COFFERDAM SEAL.



PROFILE



CROSS SECTION

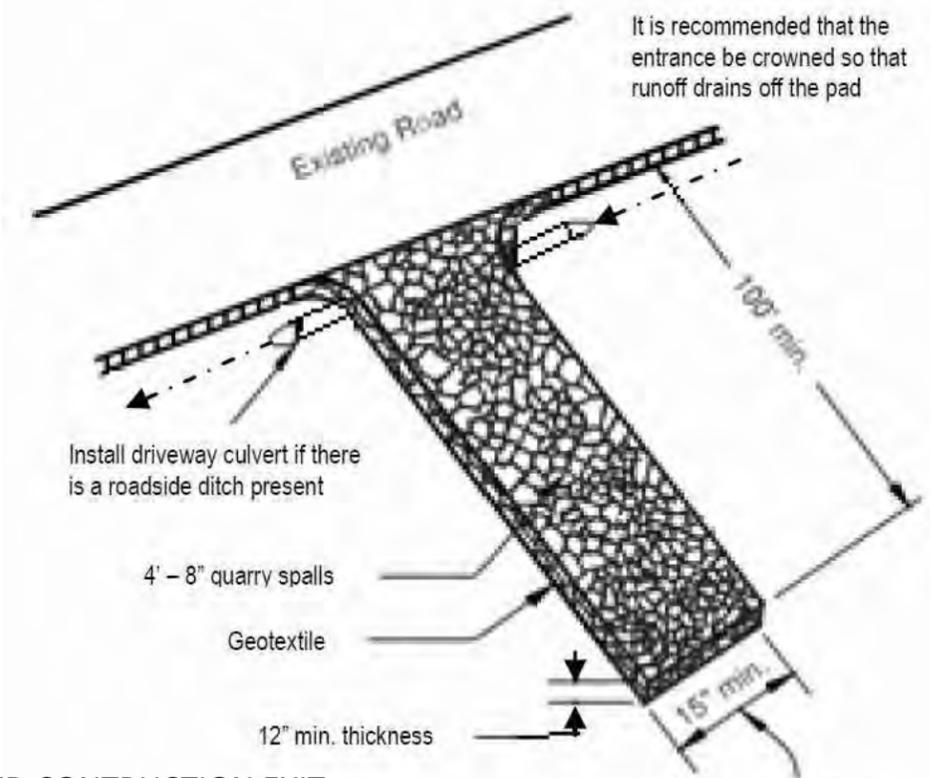
3 # TYPICAL TEMPORARY GRAVEL CHECK DAM
NOT TO SCALE

CHECKDAM NOTES:

1. SALVAGED STREAM GRAVEL.
2. FOR ADDED STABILITY, THE BASE OF THE DAM MAY BE KEYED 6 INCHES INTO THE SOIL.
3. PROVIDE CHECK DAMS AS NECESSARY WHERE SURFACE FLOWS REQUIRE ENERGY DISSIPATION AND/OR REDUCTION OF TURBIDITY.
4. REMOVE CHECKDAMS BEFORE DEMOBILIZING.

Driveway shall meet the requirements of the permitting agency

It is recommended that the entrance be crowned so that runoff drains off the pad



4 # STABILIZED CONSTRUCTION EXIT
BMP C105

Provide full width of ingress/egress area

NO.	BY	DATE	REVISION DESCRIPTION

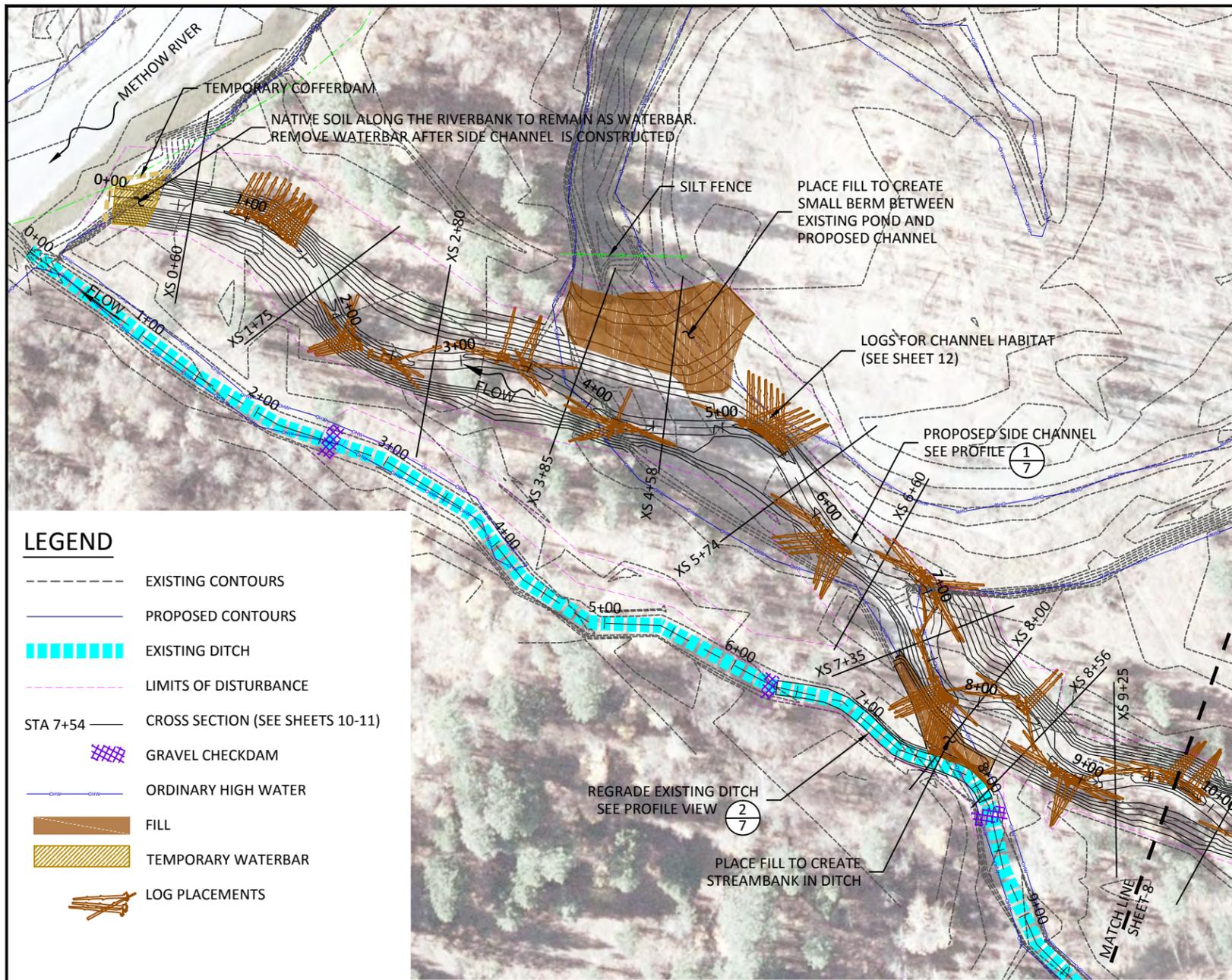
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MB APPROVED	03/16/15 DATE	 PROJECT

CONFEDERATED TRIBES AND BANDS OF THE YAKAMA NATION
METHOW RIVER
FENDER MILL SIDE CHANNEL



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EROSION CONTROL DETAILS



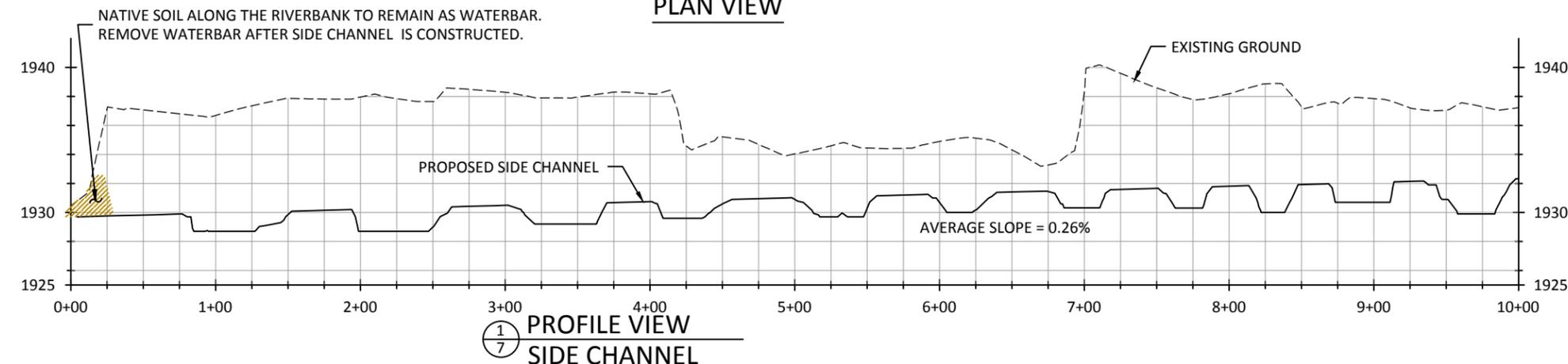
SIDE CHANNEL CONSTRUCTION SEQUENCE

1. CLEAR AND GRUB WITHIN FLAGGED LIMITS OF DISTURBANCE.
2. INSTALL TEMPORARY COFFERDAM IN RIVER AT SIDE CHANNEL OUTLET.
3. INSTALL GRAVEL CHECKDAMS IN DITCH.
4. REGRADE DITCH TO CREATE DRAINING SLOPE. APPLY FILL TO SEPARATE DITCH FROM SIDE CHANNEL.
5. CONSTRUCT SIDE CHANNEL. LEAVE SOIL PLUG AT SIDE CHANNEL OUTLET. PUMP CONSTRUCTION WATER TO DITCH.
6. INSTALL SILT FENCE . PLACE FILL TO SEPARATE SIDE CHANNEL FROM POND.
7. WHEN SIDE CHANNEL IS COMPLETE, REMOVE SOIL PLUG WHILE PUMPING TO DITCH.
8. REMOVE CHECKDAMS.
9. REMOVE COFFERDAM AFTER PIPE AND PLANTING PLAN ARE COMPLETED.

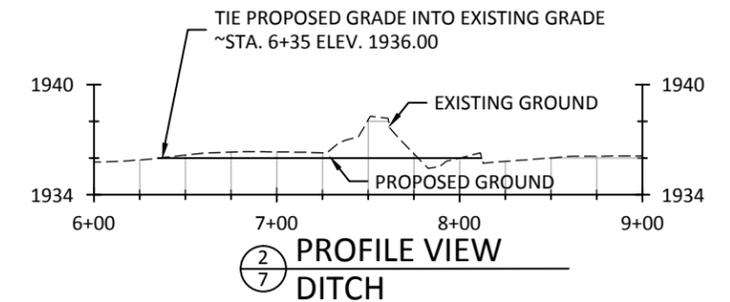
LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- ▬ EXISTING DITCH
- ▬ LIMITS OF DISTURBANCE
- STA 7+54 — CROSS SECTION (SEE SHEETS 10-11)
- ▨ GRAVEL CHECKDAM
- ORDINARY HIGH WATER
- ▨ FILL
- ▨ TEMPORARY WATERBAR
- ▨ LOG PLACEMENTS

PLAN VIEW



1/7 PROFILE VIEW SIDE CHANNEL



2/7 PROFILE VIEW DITCH

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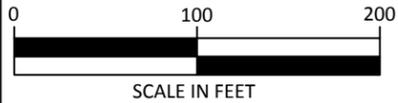
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PLAN AND PROFILE
SIDE CHANNEL AND
DITCH

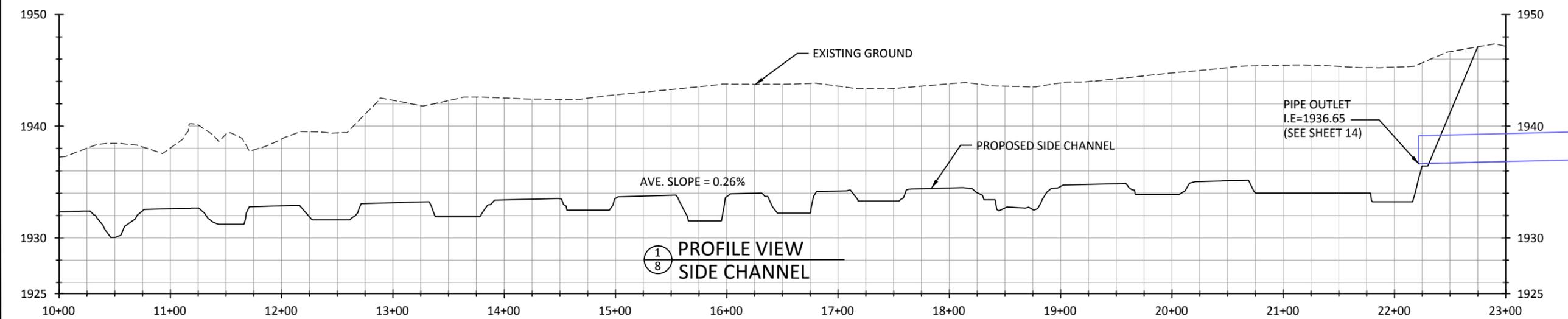
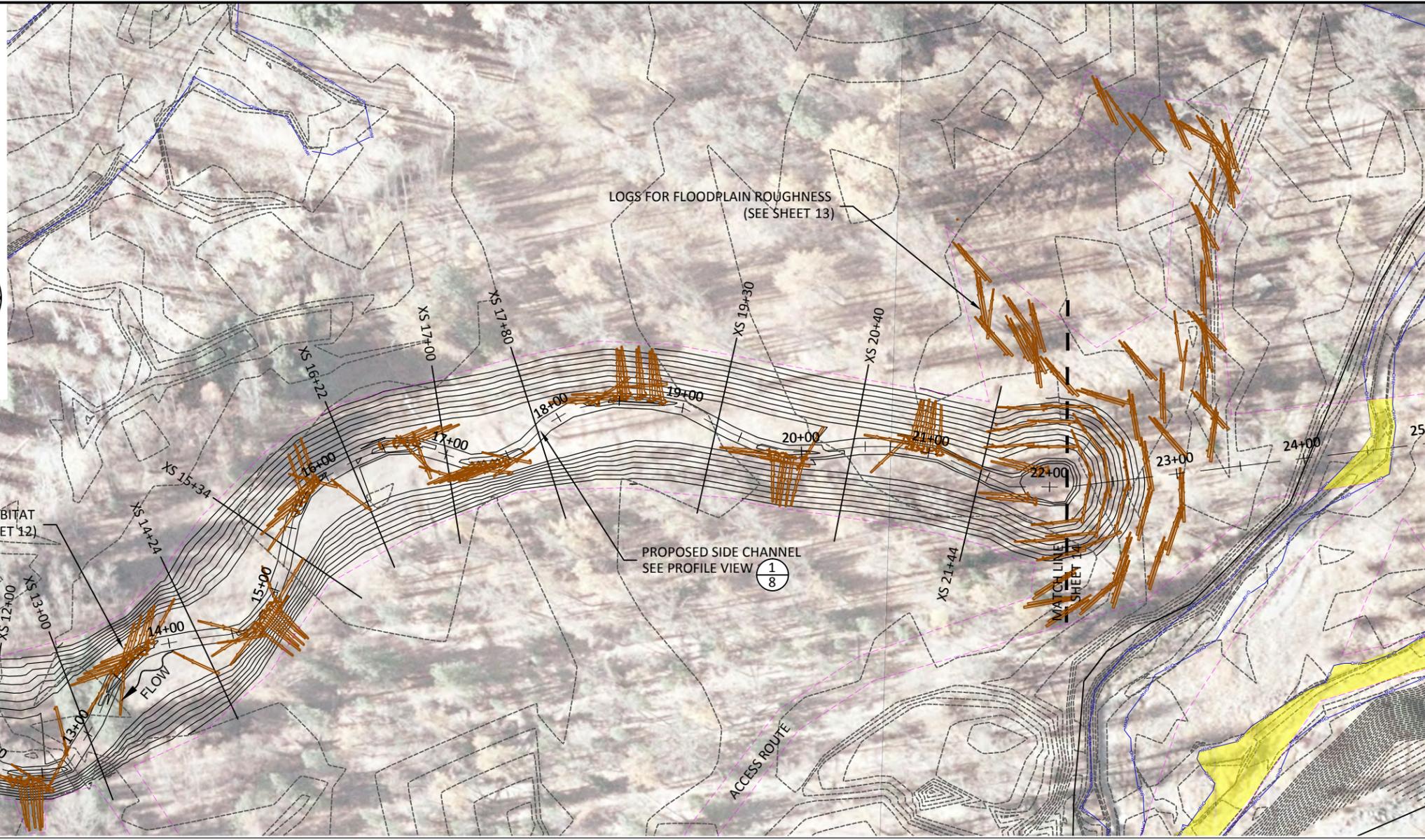
SHEET
7 OF 16

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- LIMITS OF DISTURBANCE
- CROSS SECTION (SEE SHEETS 10-11)
- ORDINARY HIGH WATER
- LOG PLACEMENTS



PLAN VIEW



NO.	BY	DATE	REVISION DESCRIPTION

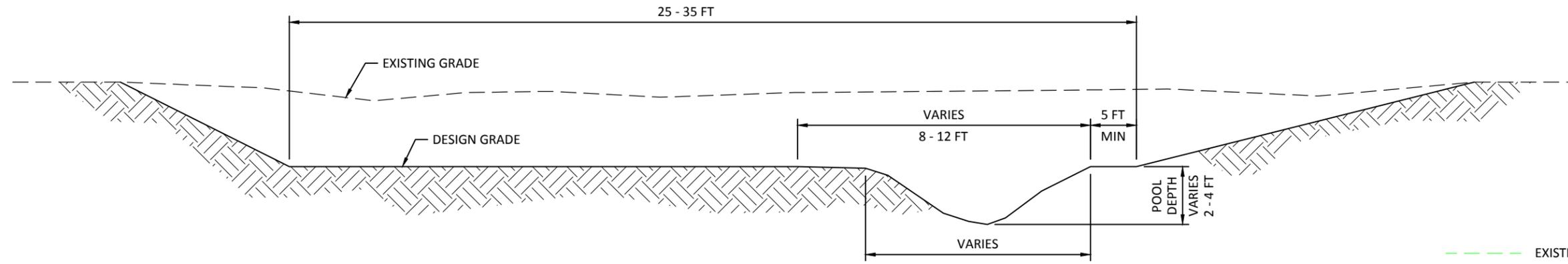
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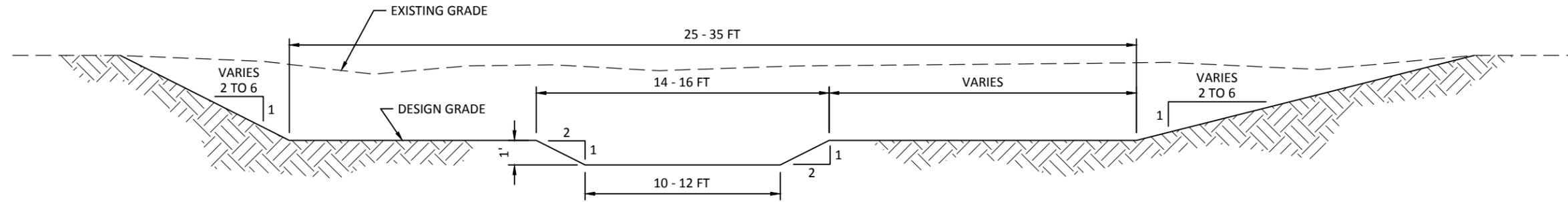
PLAN AND PROFILE
 SIDE CHANNEL



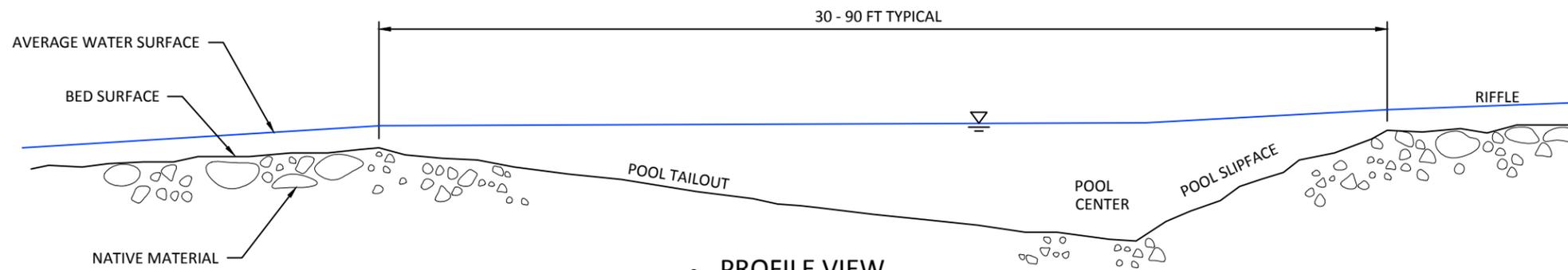
1/9 SECTION VIEW
TYPICAL POOL

--- EXISTING GROUND
 --- DESIGN GRADE

NOTE:
 SEE PROFILE AND CONSTRUCTION
 CROSS-SECTIONS FOR DESIGN ELEVATIONS.



2/9 SECTION VIEW
TYPICAL RIFFLE



3/9 PROFILE VIEW
TYPICAL POOL RIFFLE

NOTE:
 SOME POOLS MAY REMAIN AT MAXIMUM
 DEPTH FOR 30 FT. ON BROAD MEANDERS.

NO.	BY	DATE	REVISION DESCRIPTION

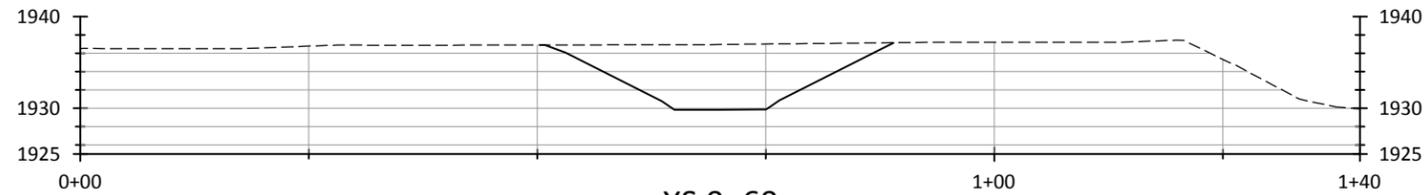
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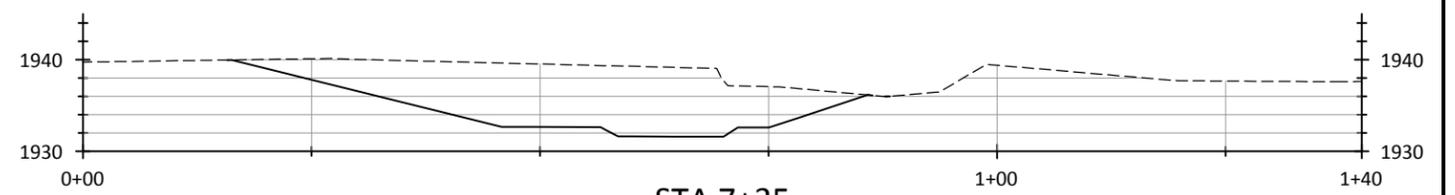


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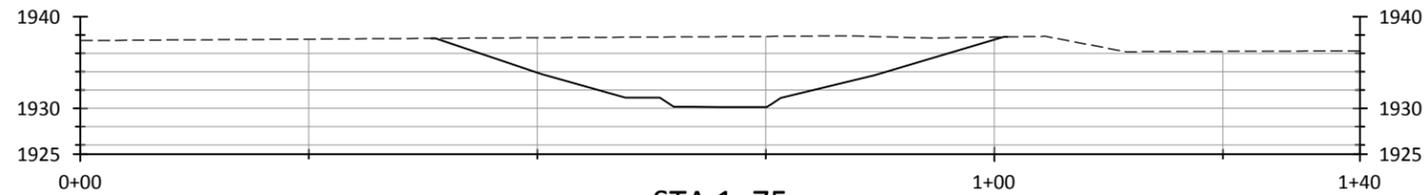
TYPICAL SIDE CHANNEL
 DETAILS



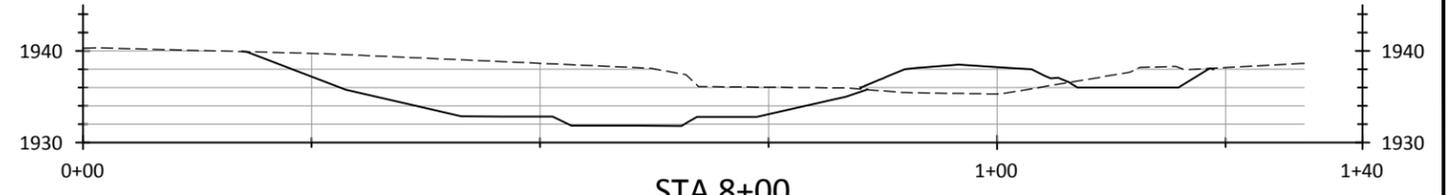
XS 0+60



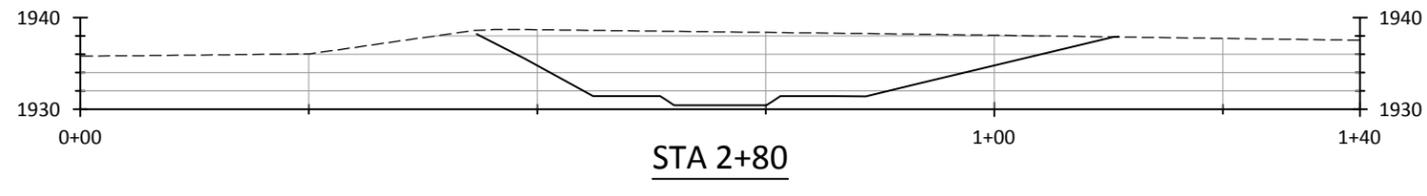
STA 7+35



STA 1+75



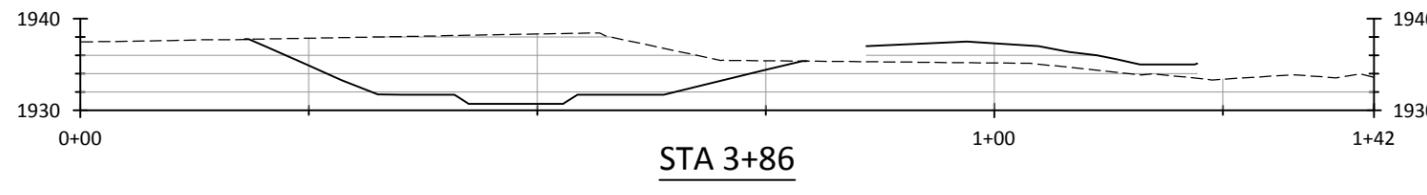
STA 8+00



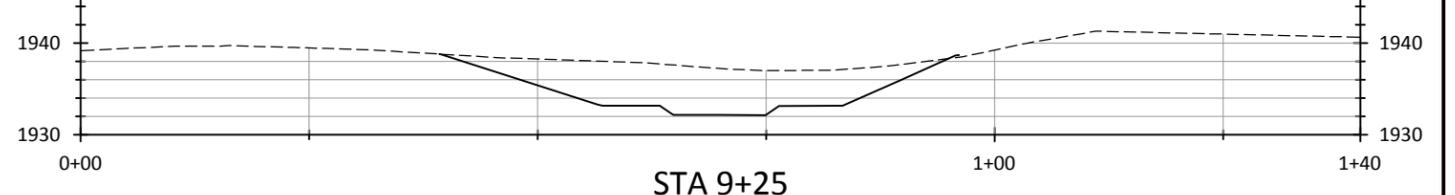
STA 2+80



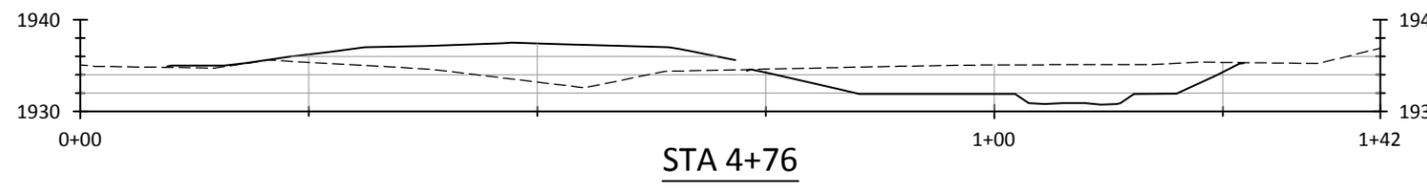
STA 8+56



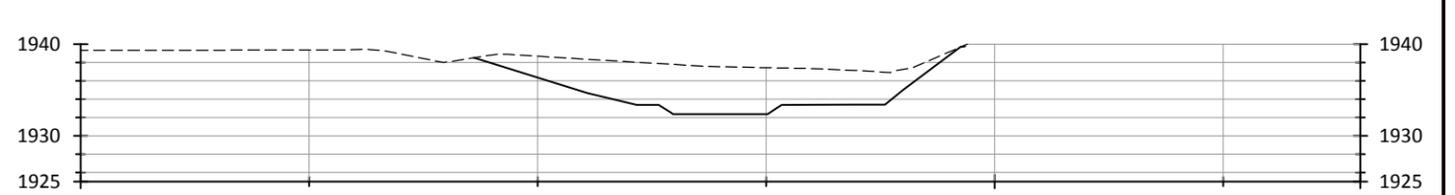
STA 3+86



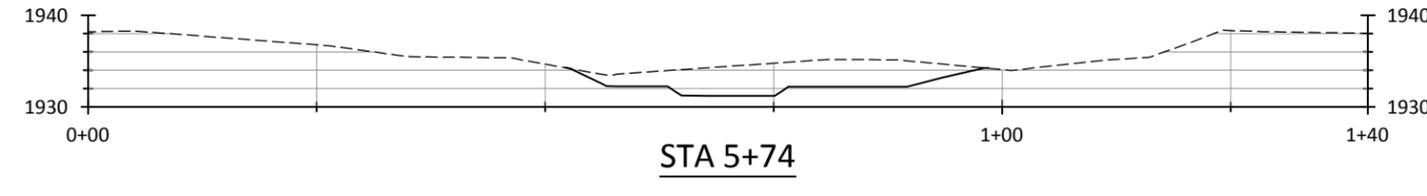
STA 9+25



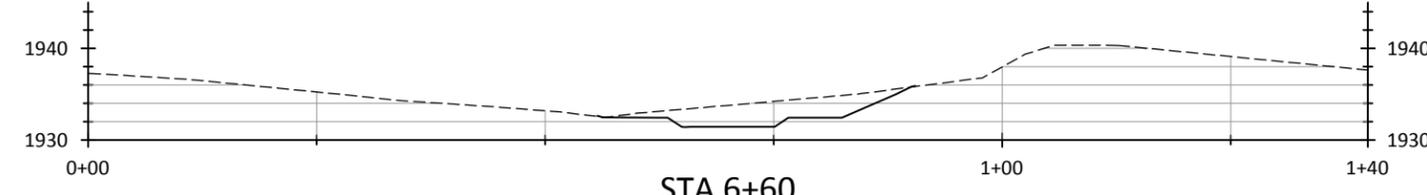
STA 4+76



STA 10+12



STA 5+74



STA 6+60

--- EXISTING GROUND
 ——— DESIGN GRADE

NOTE:
 SEE TYPICAL SIDE CROSS
 SECTION VIEWS (SHEET 9).

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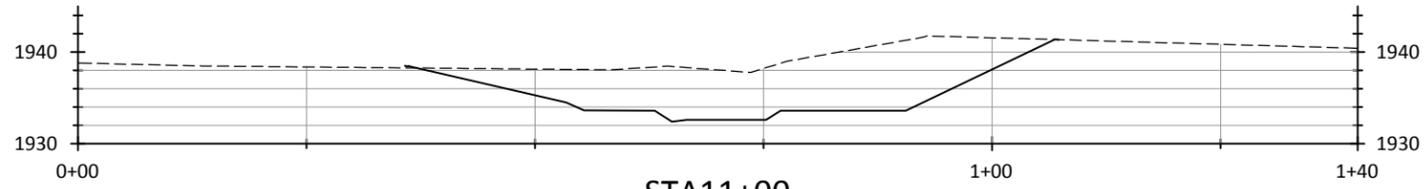


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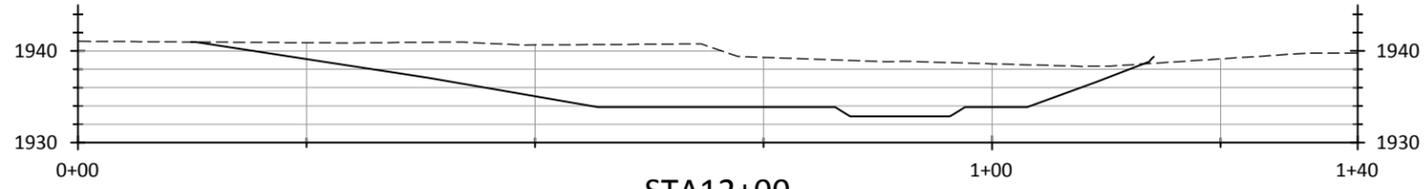
GRADING CROSS SECTIONS

SHEET

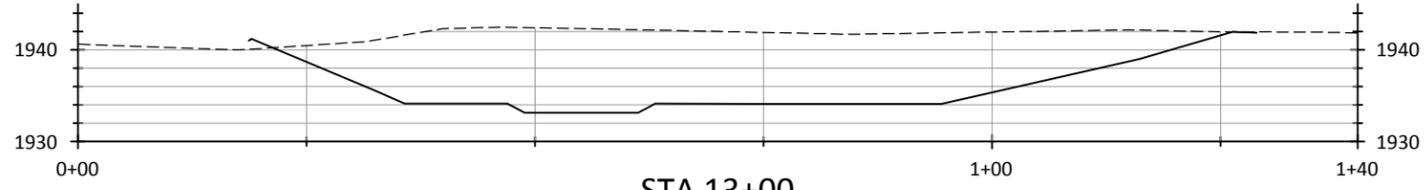
10 OF 16



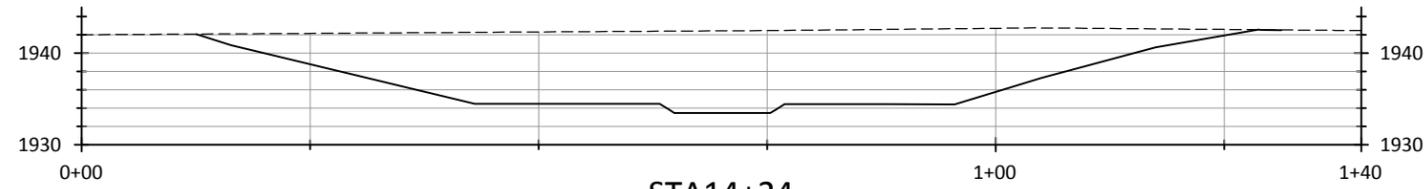
STA 11+00



STA 12+00



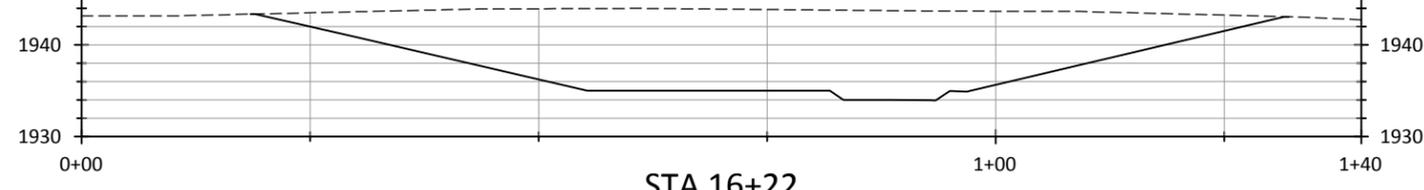
STA 13+00



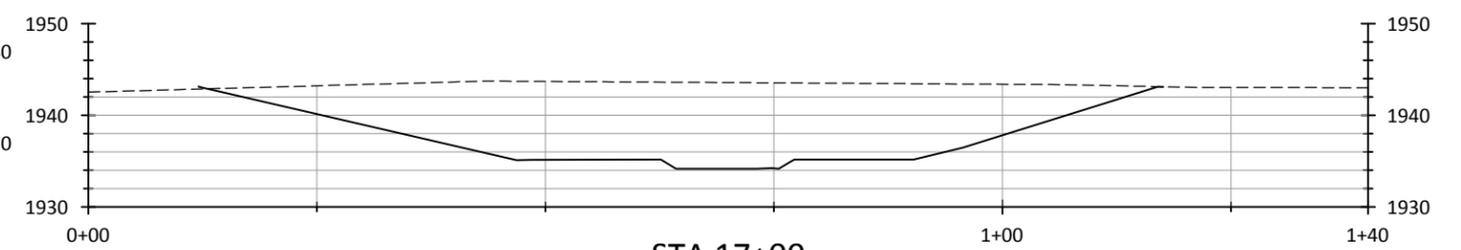
STA 14+24



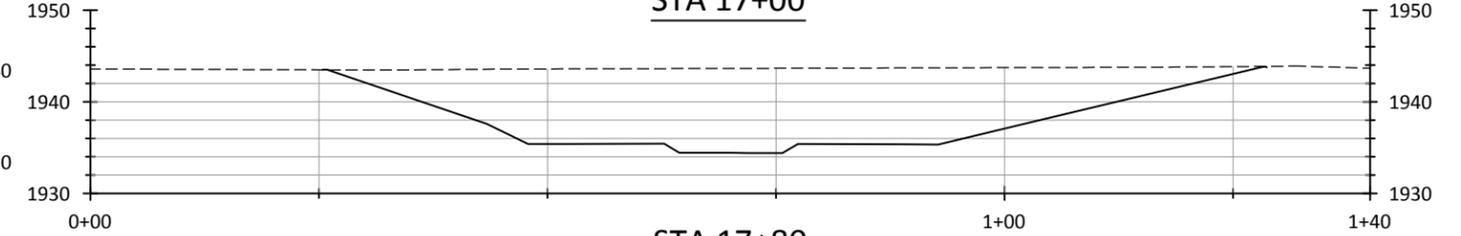
STA 15+34



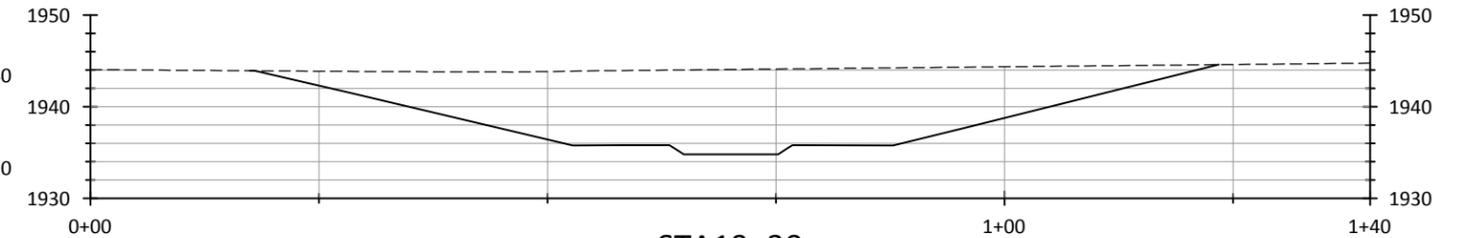
STA 16+22



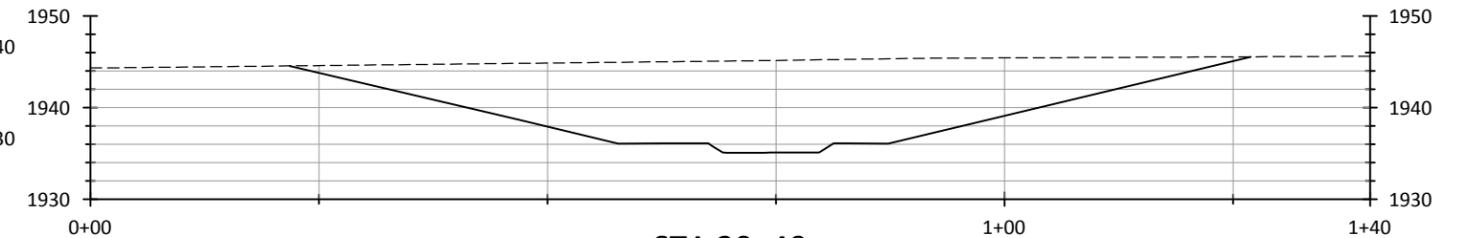
STA 17+00



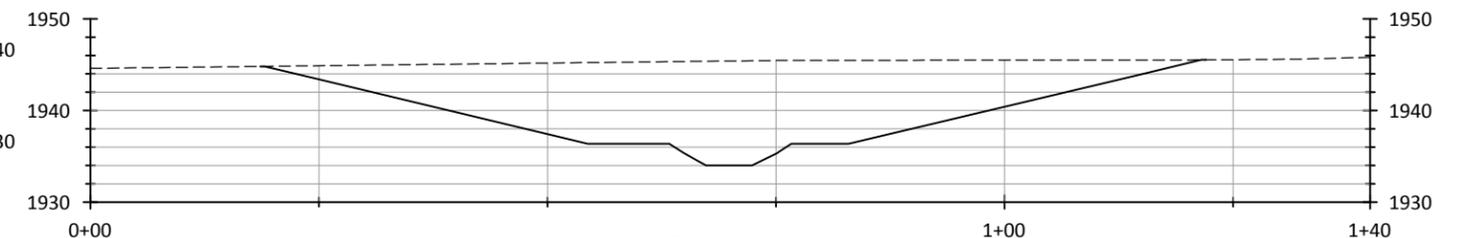
STA 17+80



STA 19+30



STA 20+40



STA 21+44

--- EXISTING GROUND
 — DESIGN GRADE

NOTE:
 SEE TYPICAL SIDE CROSS
 SECTION VIEWS (SHEET 9).

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 FENDER MILL SIDE CHANNEL

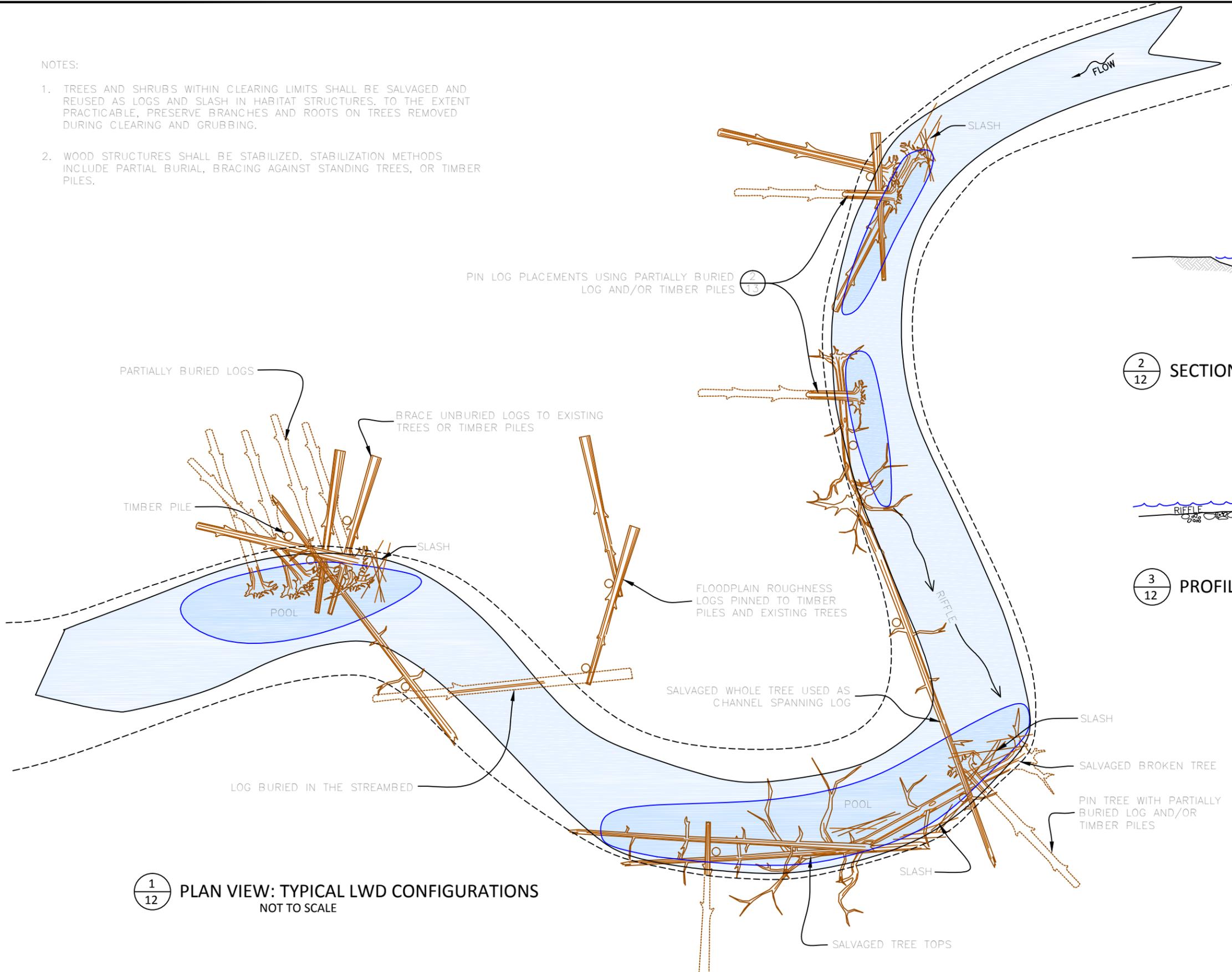


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GRADING CROSS SECTIONS

NOTES:

1. TREES AND SHRUBS WITHIN CLEARING LIMITS SHALL BE SALVAGED AND REUSED AS LOGS AND SLASH IN HABITAT STRUCTURES. TO THE EXTENT PRACTICABLE, PRESERVE BRANCHES AND ROOTS ON TREES REMOVED DURING CLEARING AND GRUBBING.
2. WOOD STRUCTURES SHALL BE STABILIZED. STABILIZATION METHODS INCLUDE PARTIAL BURIAL, BRACING AGAINST STANDING TREES, OR TIMBER PILES.



PARTIALLY BURIED LOGS
BRACE UNBURIED LOGS TO EXISTING TREES OR TIMBER PILES

TIMBER PILE
SLASH

POOL

FLOODPLAIN ROUGHNESS LOGS PINNED TO TIMBER PILES AND EXISTING TREES

SALVAGED WHOLE TREE USED AS CHANNEL SPANNING LOG

LOG BURIED IN THE STREAMBED

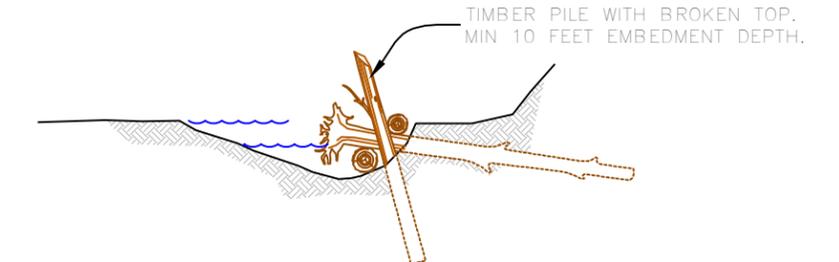
POOL

SALVAGED TREE TOPS

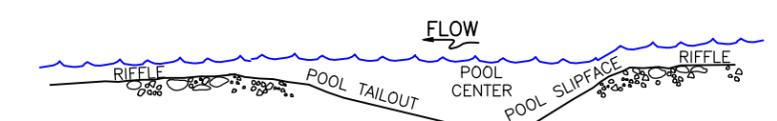
SLASH

FLOW

1
12 **PLAN VIEW: TYPICAL LWD CONFIGURATIONS**
NOT TO SCALE



2
12 **SECTION VIEW: TYPICAL LWD CONFIGURATIONS**
NOT TO SCALE



3
12 **PROFILE VIEW: TYPICAL POOL AND RIFFLE**
NOT TO SCALE

NO.	BY	DATE	REVISION DESCRIPTION

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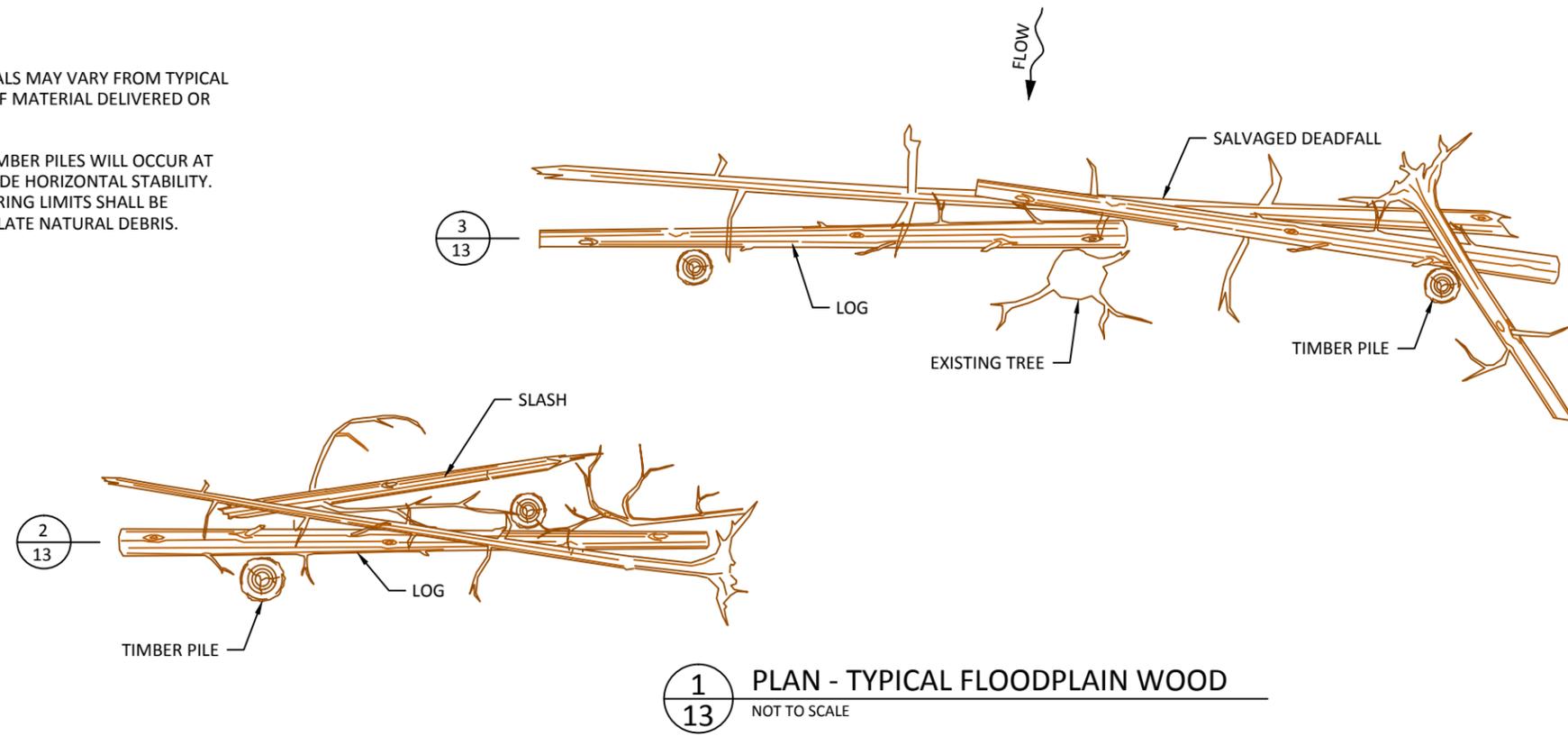
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LWD DETAILS

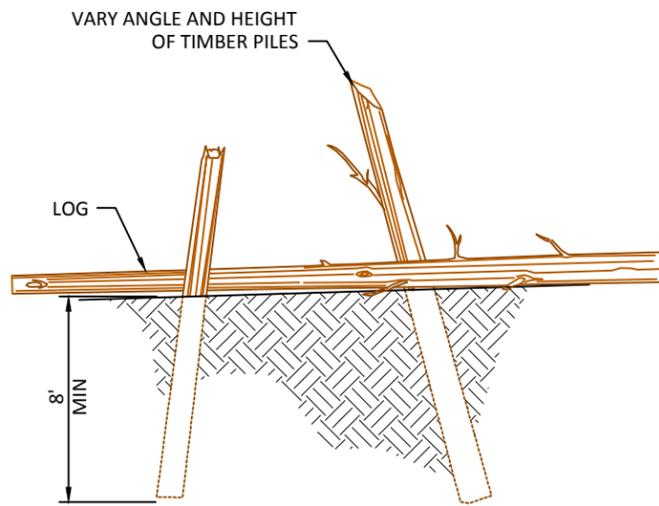
NOTES:

SPECIFIC ORIENTATION OF LOGS AND MATERIALS MAY VARY FROM TYPICAL DRAWINGS DEPENDING ON SIZE AND SHAPE OF MATERIAL DELIVERED OR SALVAGED.

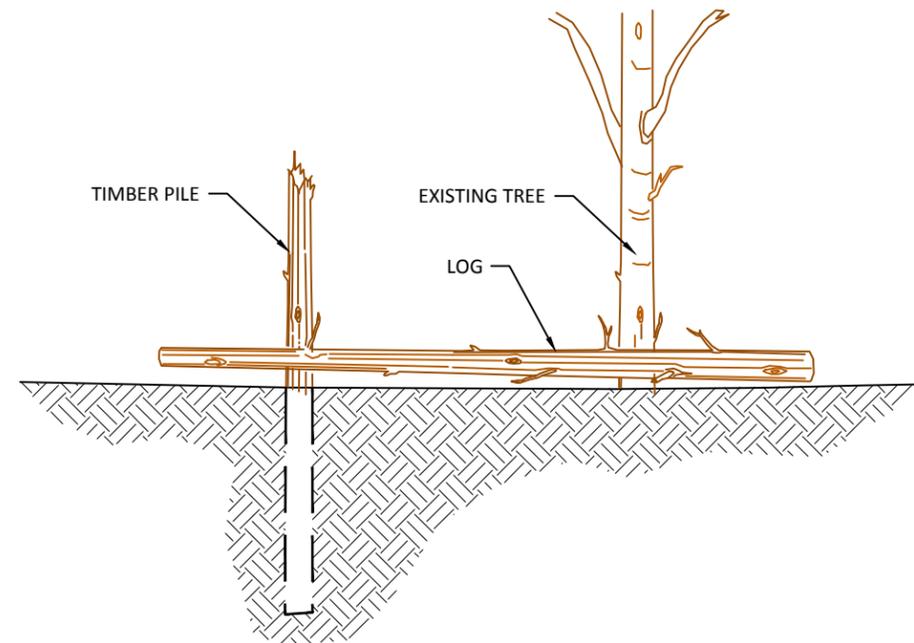
BRACING TO EXISTING TREES OR INSTALLED TIMBER PILES WILL OCCUR AT LOCATIONS IDENTIFIED IN THE FIELD TO PROVIDE HORIZONTAL STABILITY. TREE TOPS AND SLASH SALVAGED FROM CLEARING LIMITS SHALL BE INSTALLED AT "RACKING" LOCATIONS TO EMULATE NATURAL DEBRIS.



1 PLAN - TYPICAL FLOODPLAIN WOOD
NOT TO SCALE



2 SECTION - TIMBER PILES
NOT TO SCALE



3 SECTION - BRACED LOG
NOT TO SCALE

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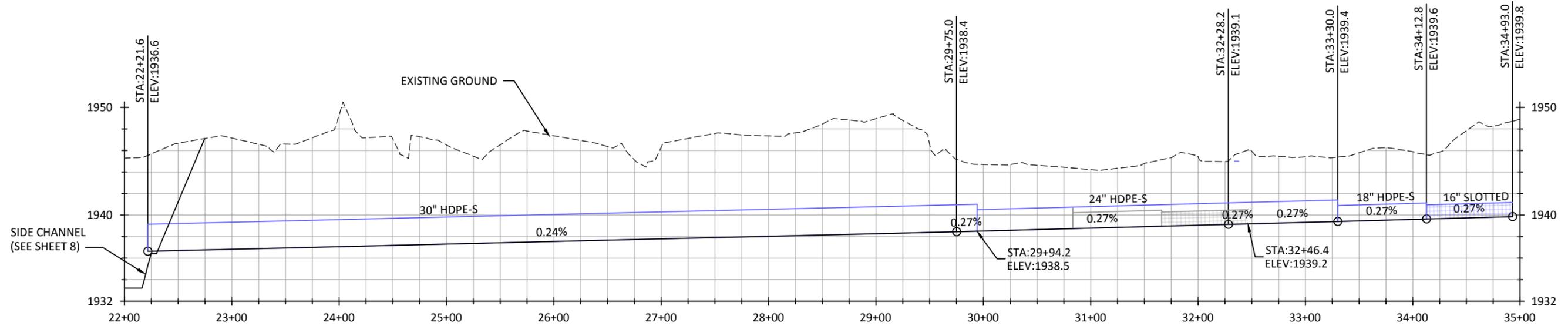
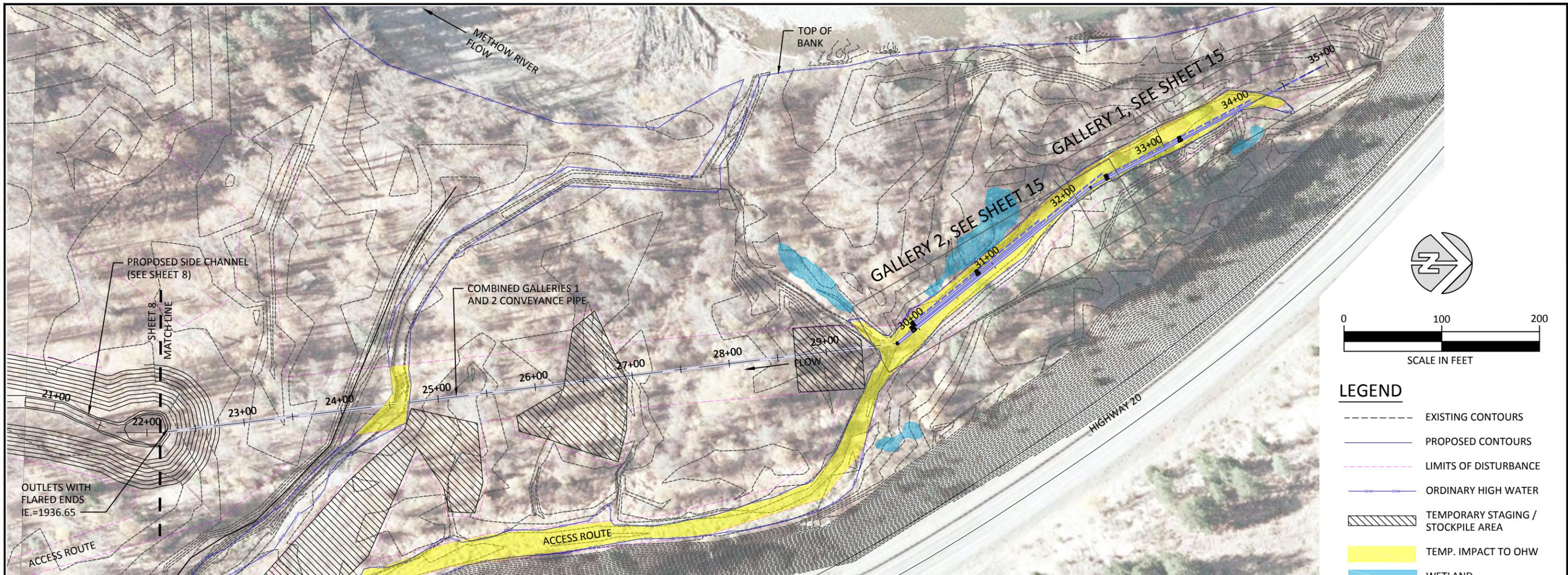


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FLOODPLAIN LOG DETAILS

SHEET

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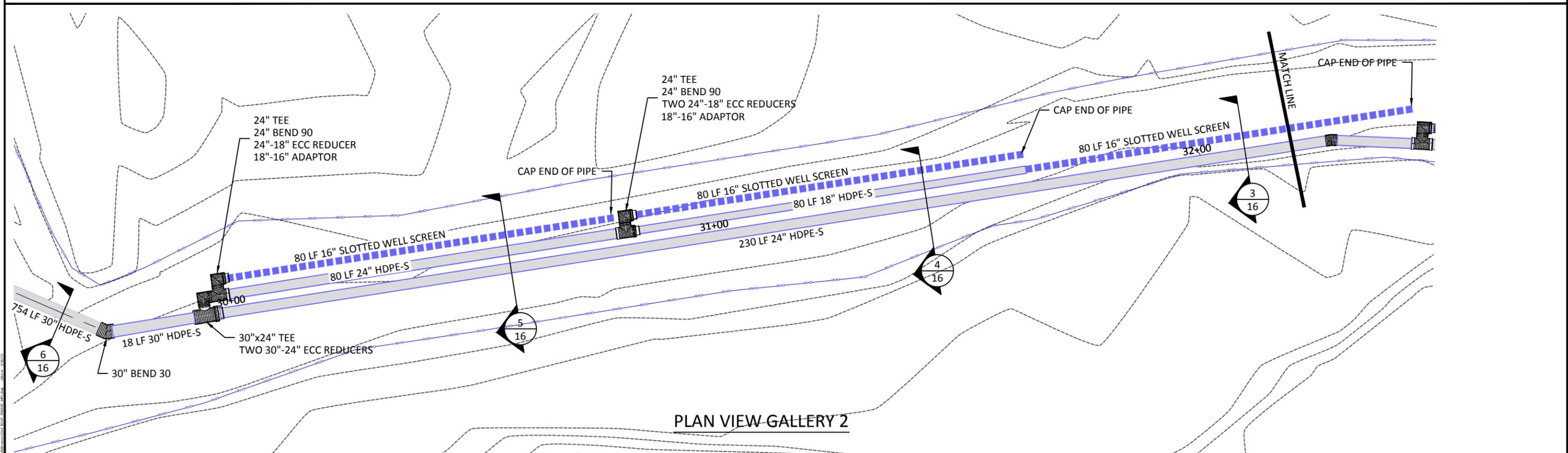
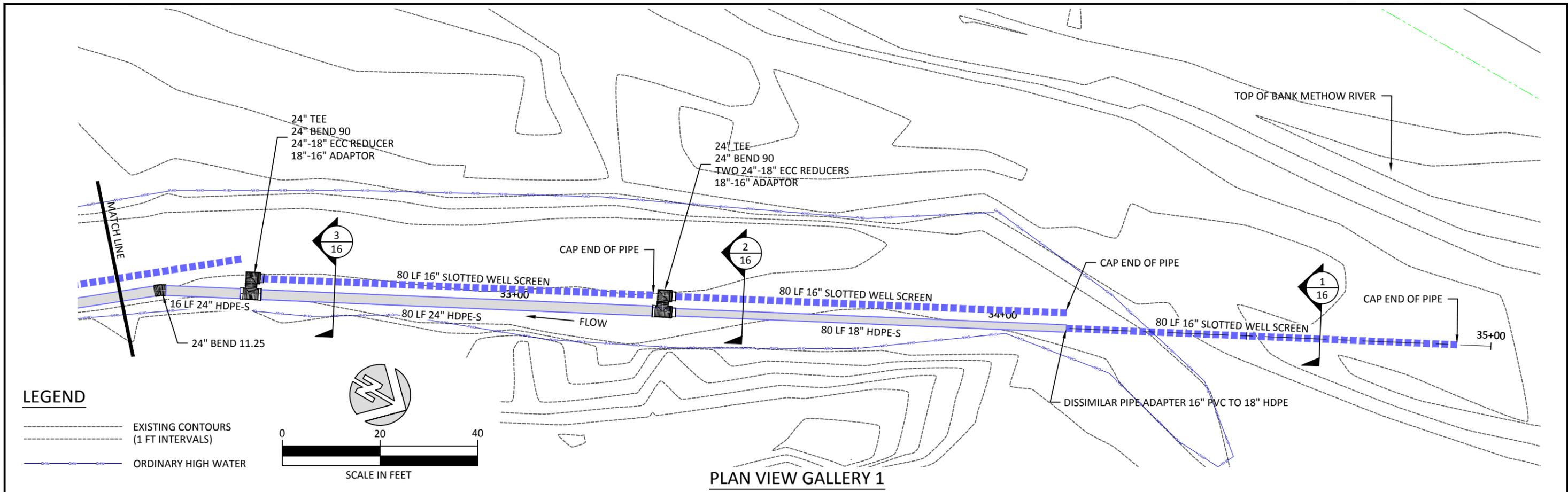
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PIPE PLAN AND PROFILE

SHEET
14 OF 16



NO.	BY	DATE	REVISION DESCRIPTION

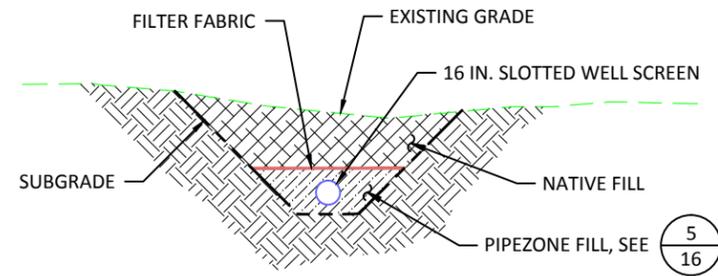
RP,DF DRAWN	MB,MM,RP DESIGNED	MB,MM CHECKED
MB APPROVED	03/16/15 DATE	PROJECT

CONFEDERATED TRIBES AND BANDS OF THE YAKAMA NATION
 METHOW RIVER
 FENDER MILL SIDE CHANNEL

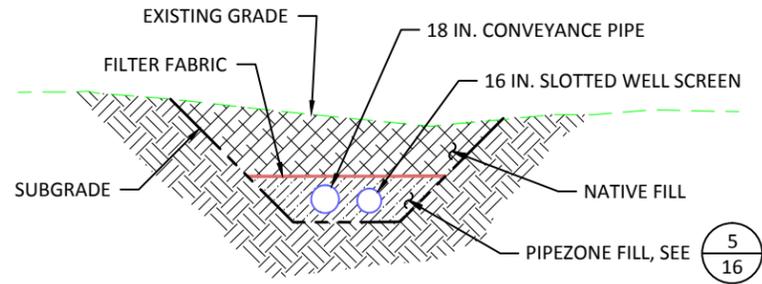


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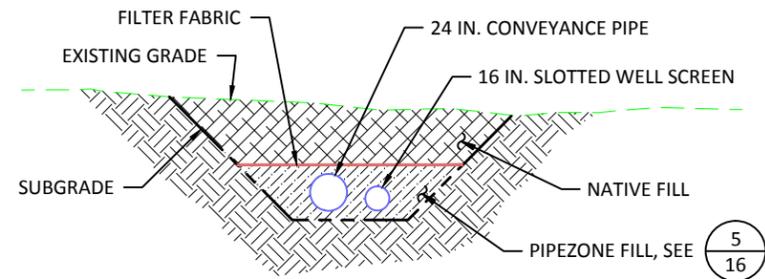
PLAN VIEW
 GROUNDWATER GALLERIES



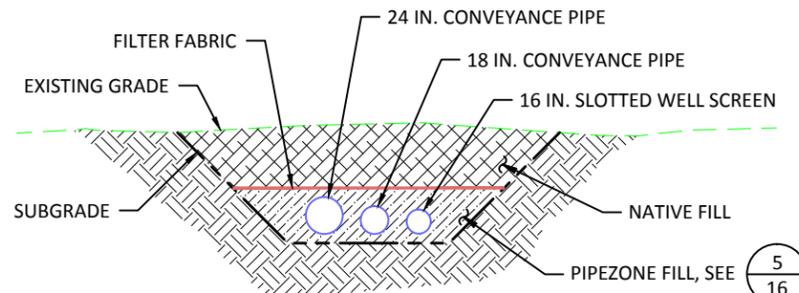
1 SECTION - GALLERY 1
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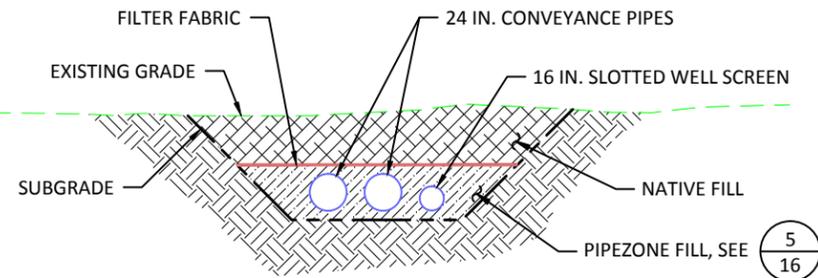
2 SECTION - GALLERY 1
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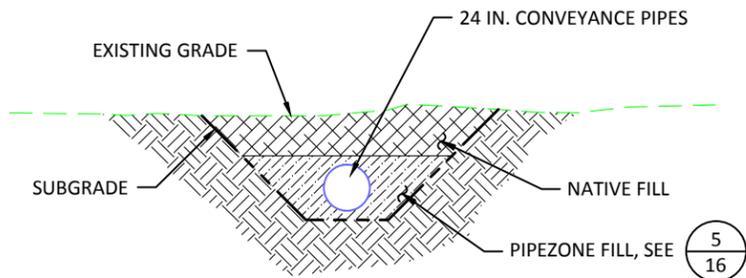
3 SECTION - GALLERY 2
16 NOT TO SCALE



4 SECTION - GALLERY 2
16 NOT TO SCALE



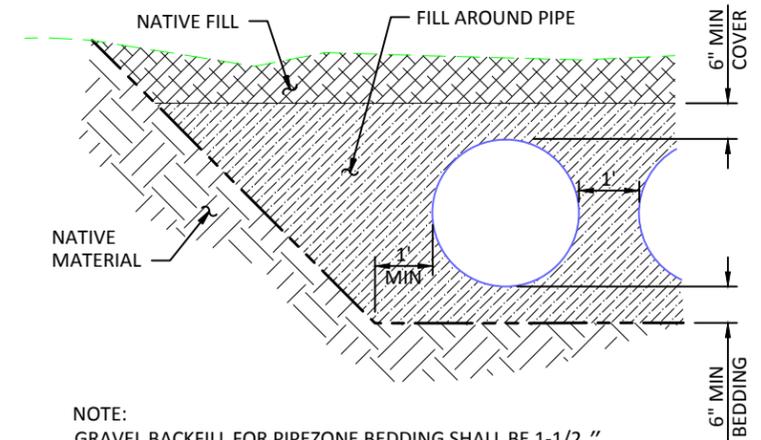
5 SECTION - GALLERY 2
16 NOT TO SCALE



6 SECTION - CONVEYANCE PIPE
16 NOT TO SCALE

MATERIALS LIST

System	Item	Size	Quantity	Unit
Gallery #1	Slotted Well Screen PVC Pipe	16"	240	LF
	Dual Wall Pipe (N12)	18"	80	LF
	Dual Wall Pipe (N12)	24"	80	LF
	Tee	24"	2	EA
	Eccentric Reducer	24"-18"	3	EA
	Adapter dual wall to well screen	18"-16"	6	EA
	Bend 90	18"	2	EA
	Cap	18"	3	EA
	Filter Fabric	15' WIDE	250	LF
Gallery #2	Slotted Well Screen PVC Pipe	16"	240	LF
	Dual Wall Pipe (N12)	18"	80	LF
	Dual Wall Pipe (N12)	24"	80	LF
	Tee	24"	2	EA
	Eccentric Reducer	24"-18"	3	EA
	Adapter dual wall to well screen	18"-16"	6	EA
	Bend 90	18"	3	EA
	Cap	18"	3	EA
	Filter Fabric	15' WIDE	250	LF
Conveyance Pipe	Dual Wall Pipe (N12)	30"	772	LF
	Dual Wall Pipe (N12)	24"	246	LF
	Eccentric Reducer	30"-24"	2	EA
	Bend 11.25	24"	1	EA
	Tee	30"	1	EA
	Bend 30	30"	1	EA
	Flared End	30"	1	EA



NOTE:
GRAVEL BACKFILL FOR PIPEZONE BEDDING SHALL BE 1-1/2" MINUS AGGREGATE CONFORMING TO WSDOT 9-03.12(3).

GRAVEL BACKFILL FOR INFILTRATION GALLERIES SHALL BE CLEAN 1-1/2" MINUS AGGREGATE CONFORMING TO WSDOT 9-03.12(5).

5 PIPEZONE FILL
16 NOT TO SCALE

NO.	BY	DATE	REVISION DESCRIPTION

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MB APPROVED	03/16/15 DATE	PROJECT

CONFEDERATED TRIBES AND BANDS OF THE YAKAMA NATION
METHOW RIVER
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PIPE DETAILS

SHEET

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Yakama Nation 2015 Fender Mill Project Location



Goat Creek Road

T 35 R 20 Section 10

USFS

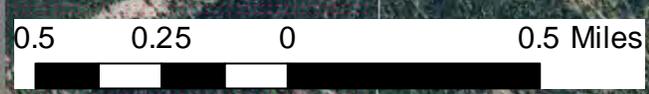
Fender Mill Project Footprint

WDFW

T 35 R 20 Section 15

WDFW

USFS





Soil Test Pits - Fender Mill Side Channel Project Site



Exhibit A – Scope of Work Template

Overview

This Scope of Work details the work to be conducted under the **Fender Mill Spoils Repository Project**.

Yakama Nation Fisheries (Owner) is conducting a salmon habitat restoration project along the Methow River known as the Fender Mill Side Channel Restoration Project. The project site is located near the State Highway 20 Weeman Bridge west of Winthrop, Washington, and requires removal of up to 36,000 cubic yards of floodplain alluvial spoils from the side channel restoration site. The Fender Mill Side Channel Restoration Project Draft Planset is referenced as describing the source material for the Fender Mill spoils repository project and is attached as **Exhibit D** to this Scope of Work.

For the Fender Mill Spoils Repository Project up to 60,000 tons of floodplain alluvium will be hauled to the contractor's spoils repository by a third party selected exclusively by the Yakama Nation. The Spoils Repository location is described in the attached **Exhibit E**. Only spoils material from the Fender Mill Side Channel Restoration Project will be brought to the spoils repository under this contract. There will be no hazardous or regulated materials contained within the spoils brought to the site under this contract.

All work on this project will be directed by the Owner and the Owner's Designated Representatives. No changes to the Scope of Work will be allowed without prior approval from the Designated Representatives.

The attached **Exhibit B** provides the contract Line Item Budget which is referenced to this Scope of Work. **Exhibit C** outlines the payment plan associated with this contract.

Project Tasks

The spoils repository contractor will be responsible for receiving Owner provided dump truck loads of unconsolidated and unsorted spoils consisting of dry or wetted cobbles, gravels, sands, and silts. Some roots, slash, and duff may be mixed in with the spoil loads.

The contractor will provide directions of where within the repository site unloading of the spoil loads is acceptable. The contractor will ensure that the unloading zones are kept open and accessible to successive dump truck loads so as not to impede construction progress at the Fender Mill Side Channel Restoration project site. If the contractor cannot ensure that the unloading zones are kept open and accessible in a timely fashion, the contractor will allow the Owner to use independent equipment and labor to strategically high-pile further incoming spoils in an agreed upon area to allow for efficient unloading of incoming dump trucks.

All Project Tasks will be completed as follows:

- Receive up to 60,000 tons of Owner-provided dump truck loads of unconsolidated and unsorted spoils at the designated spoils repository.
- Receive up to 3,400 tons per day of spoils.
- In advance, inform the Owner of where unloading of the spoils loads is acceptable.
- Ensure that unloading zones are available to successive dump truck loads every working day so as not to impede construction progress of the Fender Mill Side Channel Restoration Project.

Payment will be based on the total tons of spoils actually received at the designated spoils repository. The Contractor will track the amount of material received by the ton using a certified scale and will provide daily load tickets for each truck delivering spoils.

Designated Representative

The Owner's Designated Representatives for this project include Yakama Nation Habitat Biologist Hans Smith, 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.

Contractors Obligations

The Contractor shall furnish all supervision, labor, equipment and tools necessary to complete the project as described. The Contractor will furnish all licenses and permits necessary to operate the material repository site.

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 the Contractor cannot receive spoils at the designated repository for more than two 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 on time any work tasks described. If it appears that the contractor is unable to complete project tasks needed to be completed within the permitting work windows the contractor may be given a notice of contract cancellation. The Owner's Designated Representatives will monitor progress closely.

Project Timeline and Construction Hours

Importation of spoils to the repository will occur on non-holiday weekdays starting in July, 2015 and ending in November, 2015. Spoils unloading will be conducted between 7:30 am and 7:00 pm.

Utilities Location

The Contractor will locate all utilities as necessary prior to any ground disturbing activities or stockpiling.

Exclusivity

During the term of this Agreement, any additional work conducted on the designated spoils repository property defined in this Agreement by the Contractor that affects the operations of the Fender Mill Side Channel Restoration project 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, including time taken for mobilization and demobilization of construction equipment.

Exhibit C – Payment

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

- The contractor shall be allowed to bill on a monthly basis.
- Each invoice shall specify the amount of tons received during the billing period and should apply the bid certified unit price per ton to calculate the full invoice value.
- Copies of the daily load tickets totaling the amount of tons being invoiced for during the billing period shall be provided with each invoice.
- Certified payroll documentation is required to be accompanied with each invoice.

All invoicing for payments should occur no more than once per calendar month during the contract period.

BID PROPOSAL for Fender Mill Spoils Repository Project

Bidder's Description of the Proposed Designated Spoils Repository

(Please provide all of the information requested in this form)

Physical Address of the Proposed Repository:

Township – Range – Section:

County Parcel Number:

Abbreviated Legal Description:

Map Exhibit of Repository Location:

(please provide 1 to 2 map exhibits detailing the proximity of the proposed repository to the Fender Mill Side Channel Restoration Project Site and the approximate property boundaries of the proposed repository site):

Certification

Company Name:

Date Prepared:

Printed Name and Title

Signature

By signing and submitting this form you are agreeing to allow this property to be used as the Designated Spoils Repository for the Fender Mill Spoils Repository Project.

BID PROPOSAL for Fender Mill Spoils Repository Project

Please provide your competitive bid price based up on the bid solicitation packet provided.

No.	Item	Quantity	Unit	Unit Price	Extended Price
1	Spoils Received and Reposited	60,000	Ton	\$	\$
				TOTAL (do not include tax)	\$

Company Name:

Date Prepared:

Certification

Printed Name and Title

Signature

By signing and submitting this form you are agreeing to honor the completed competitive bid for a period of up to 150 days from the date this form was prepared.