CARIBOU CREEK FISH PASSAGE

2016

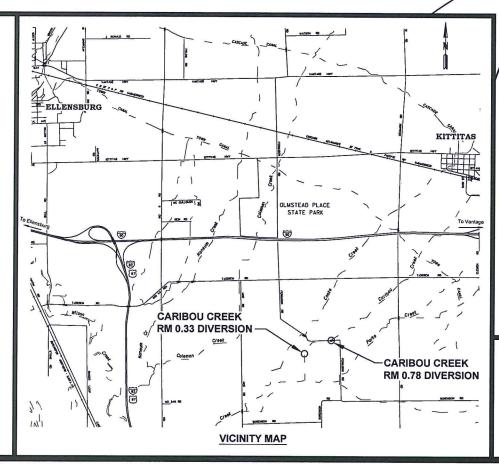
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CARIBOU CREEK RM 0.33

- 5 EXISTING SITE, DEMOLITION, ACCESS, STAGING, AND WATER CONTROL PLAN
- 6 PLAN AND PROFILE

Kittitas County CDS





CONSERVATION DISTRICT BOARD

MARK MOORE - Chair LYNN BROWN - Vice Chair JEFF BRUNSON - Auditor RON GIBB - Member

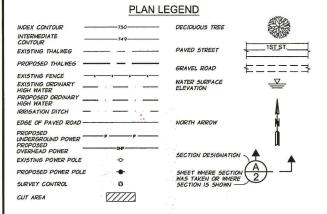
CONSERVATION DISTRICT OFFICIALS

ANNA LAEL - District Manager RYAN ROBERTS - District Engineer MARK CROWLEY - Resource Technician

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1901 N Fr Steet La Canada CR 97550 Ph (541)963-309 Fax (541)963-3456
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PROJECT OBJECTIVE

THE OVERALL ODJECTIVE OF THE PROJECT IS TO IMPROVE FISH PASSAGE CONDITIONS AT THESE TWO IRRIGATION DIVERSIONS, IMPROVED FISH PASSAGE CONDITIONS SHALL INCLUDE YEAR-ROUND UPSTREAM AND DOWNSTREAM PASSAGE OF FISH SPECIES.

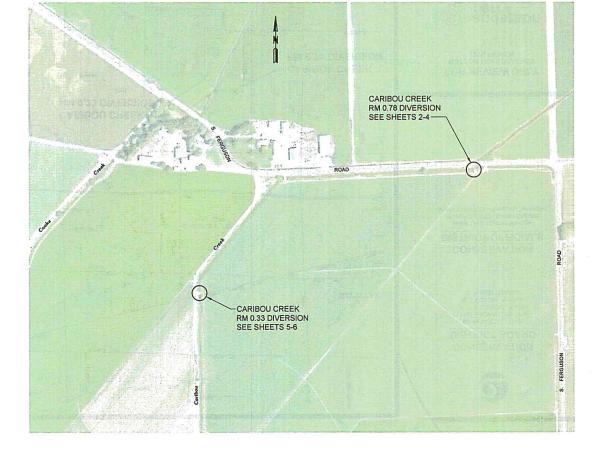
GENERAL NOTES

- 1. ALL DIMENSIONS, STATIONS, AND ELEVATIONS ARE IN FEET UNLESS OTHERWISE NOTED.
- ALL IN-STREAM WORK SHALL BE PERFORMED WITHIN THE IN-STREAM WORK WINDOW AS DESIGNATED IN THE WASHINGTON STATE DEPARTMENT OF ECOLOGY PERMITS, U.S. ARMY CORPS OF ENGINEERS (USACE) PERMITS, AND WASHINGTON DEPARTMENT OF FISH AND WILDLIFE PERMITS.
- 3. ALL WORK, INCLUDING EROSION CONTROL MEASURES, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PERMITS.
- 4. VERTICAL DATUM: NAVD88
- 5. HORIZONTAL DATUM: WASHINGTON STATE PLANE COORDINATES SOUTH ZONE
- 6. SURVEY DATA WAS GATHERED IN 2014 BY ANDERSON PERRY (ASSOCIATES, INC. CONTRACTOR TO VERIEY ACTUAL TOPOGRAPHY AT THE TIME OF CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 7. FIELD VERIFY LOCATION OF UTILITIES AND CULVERTS.
- B. LOCATE AND PROTECT EXISTING UTILITIES. 48-HOUR NOTIFICATIONS SHOULD BE GIVEN. "CALL BEFORE YOU DIG" NUMBER FOR WASHINGTON IS 1-800-424-5555 (OR 811).
- 9. CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION STAKING.
- IO. THE CONTRACTOR SHALL COORDINATE WITH THE LANDOWNER TO REDUCE SOIL TRACKING FROM THE SITE. THE STAGING AREA SHALL NOT PROGRESS INTO THE TILLED FARM FIELD. UPON MOBILIZATION, THE CONTRACTOR SHALL PLACE 6 INCHES FOR CERTIFIED WEED FREE WHEAT STRAW OR CLEAN HOS FUEL WOOD CHIPS ON ALL TEMPORARY ACCESS ROADS AND THE STAGING AREA AS COORDINATED WITH THE LANDOWNER. THE WHEAT STRAW LATE SHALL DE REFRESHED WHEN THE ACCESS ROAD SOIL DECOMES

DESIGN CRITERIA

95% EXCEEDANCE FLOW SX FXCFFDANCE FLOW ORDINARY HIGH WATER FLOW 2-YEAR FLOOD FLOW 5-YEAR FLOOD FLOW 10-YEAR FLOOD FLOW 25-YEAR FLOOD FLOW 50-YEAR FLOOD FLOW 100-YEAR FLOOD FLOW

11. THE CONTRACTOR ACCESS SHALL MINIMIZE TRACKOUT ONTO THE COUNTY ROAD, TO THE EXTENT POSSIBLE. THE COUNTY ROAD ACCESS SHALL BE KEPT CLEAN ON A DAILY BASIS.



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			\perp	_	SCALE IN FEET	=
REVISION		BY	DATE	HORZ SCALE 1"=200"	VERT. SCALE	
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DRAIN BY L. WILLHITE	T			κω π.ε. 157−03−060	G-001LGD.dwg	
THE C WITCHING				CODVENUE 2018 BY	ANDEDSON DEDDY & ASSOC IN	-

5 CF5 88 CF5 120 CF5 180 CF5 250 CF5 330 CF5 430 CF5

640 CF5 760 CF5

THIS DRAWING HAS BEEN REDUCED 50% ADJUST SCALE ACCORDINGLY. BARSCALE SHOWN IS ACCURATE

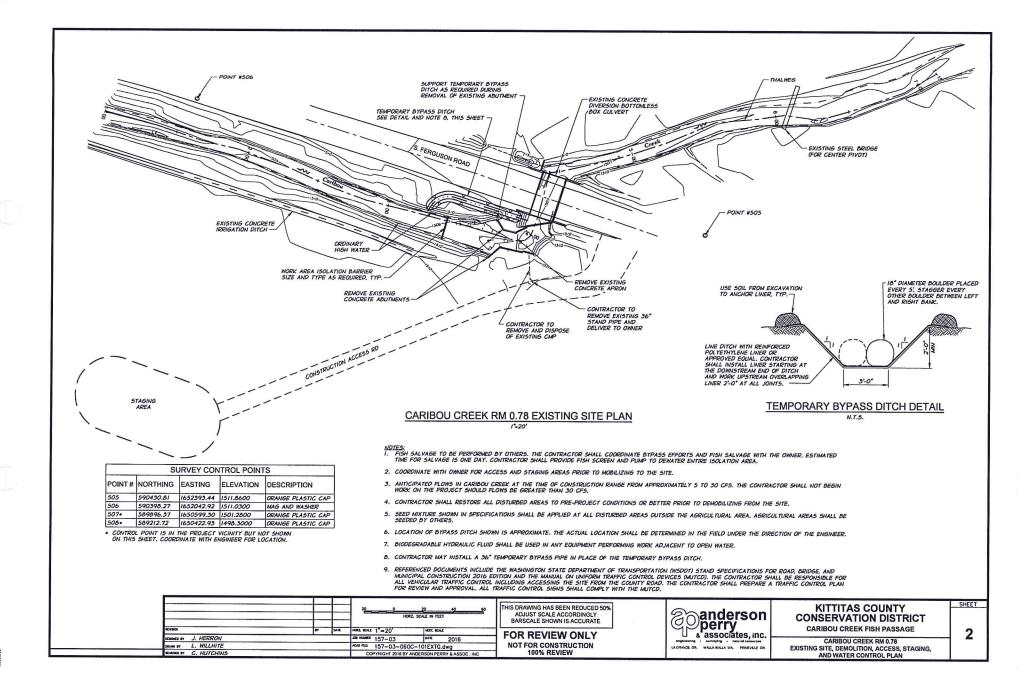
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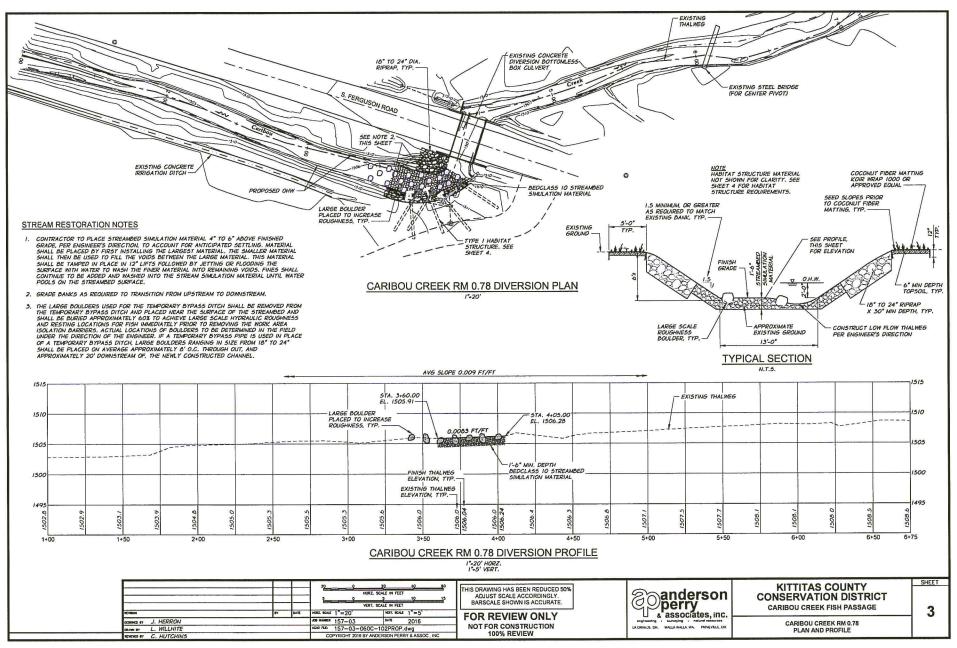


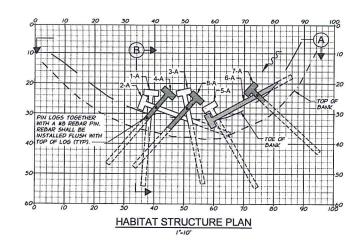
KITTITAS COUNTY **CONSERVATION DISTRICT** CARIBOU CREEK FISH PASSAGE

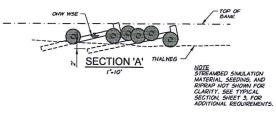
LEGEND AND SITE LOCATIONS

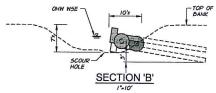
SHEET 1

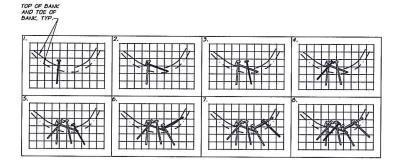












HABITAT STRUCTURE LOG PLACEMENT SEQUENCING

+	IABITAT STRUCTURE MATERIA	L SCHEDU	LE
	DESCRIPTION	QTY. EA	TOTAL QTY. FOR 1 STRUCTURE(S)
LOG TYPE A	30 FT. X 16"-18" DBH W/ 5" DIA. RW	8	8
RACKING MATERIAL I	30 FT. X 10"-12" DOH FULL TREE	4*	4

^{*} IN ADDITION TO THE RACKING MATERIAL, THE CONTRACTOR SHALL IMPORT THE TOPS AND LIMBS OF THE LOG TYPE A, AND USE THIS AS SLASH.

CONSTRUCTION NOTES

- CONTRACTOR SHALL BACKFILL AROUND LOGS WITH A COMBINATION OF GENERAL BACKFILL AND RACKING MATERIAL.
- 2. PROVIDE RACKING MATERIAL BETWEEN EACH LAYER AS DIRECTED BY THE ENGINEER.
- 3. CONTRACTOR SHALL APPLY WATER TO THE BACKFILL PERIODICALLY FOR COMPACTION AND TO FORCE MATERIAL INTO VOIDS.
- 4. FOR ALL LOGS KEYED INTO BANKS, MORE THAN TWO THIRDS OF TREE LENGTH MUST BE BURIED.
- 5. TOP OF BACKFILL AREA SHALL BE COVERED WITH TOPSOIL WITH A MINIMUM THICKNESS OF 6".
- FINAL INSTALLATION OF THE TYPE I HABITAT STRUCTURE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- AT REBAR PIN LOCATIONS, THE CONTRACTOR SHALL DRILL A PILOT HOLE APPROXIMATELY 7/8* DIMETER. THE PIN SHALL BE DRIVEN THROUGH THE HOLE FITTING SMUGLY AND LEAVING NO VOID 576CB BETWEEN THE PIN AND THE PILOT HOLE.
- B. ALL SAWCUT ENDS OF LOGS SHALL BE CHEWED OR FRAYED PRIOR TO PLACEMENT.

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EVISION	BY DATE		HORZ BOALE A	S NOTED	VORT. BOALE		
CSOND BY J. HERRON			JOS HANDER 15	57-03	DATE	2016	
TANN BY D. CHRISTMAN		ACAD FILE 157-03-060C-501HABT.dwg					
REVENED BY C. HUTCHINS		COPYRIGHT 2016 BY ANDERSON PERRY & ASSOC, INC.					

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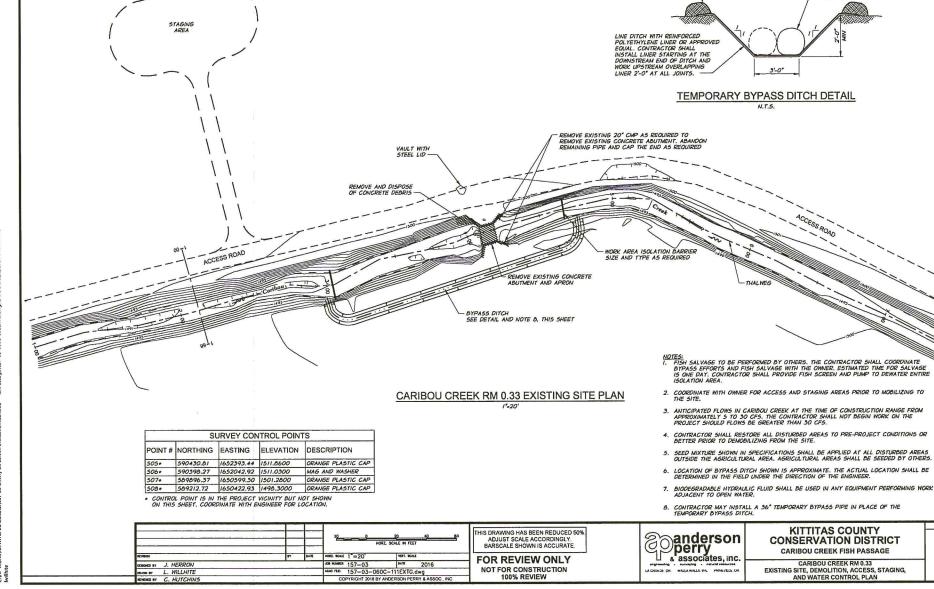
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anderson perry
a associates, inc.

KITTITAS COUNTY
CONSERVATION DISTRICT
CARIBOU CREEK FISH PASSAGE

CARIBOU CREEK RM 0.78 TYPE 1 HABITAT STRUCTURE 4

SHEET



USE SOIL FROM EXCAVATION TO ANCHOR LINER, TYP.

- 18" DIAMETER BOULDER PLACED EVERY 5', STAGGER EVERY OTHER BOULDER BETWEEN LEFT AND

SHEET

5

RIGHT BANK.

DBNKTTITAS Co. Combett 157-03 Cherry Ct. Sersen Evaluation/Cambra. ... a. Paccanol 157-03-060C-111EXTG dwg. LAYOUT. 12/2/2016 1-33:00 F

STREAM RESTORATION NOTES

SEED SLOPES PRIOR TO COCONUT FIBER CREEK MATTING, TYP.

ORDINARY HIGH WATER

EXISTING GROUND, TYP.

COCONUT FIBER MATTING COIR WRAP 1000 OR APPROVED EQUAL, TYP.

3'-0" TYP.