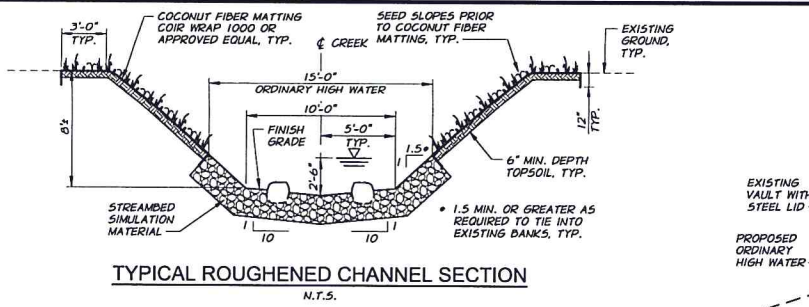
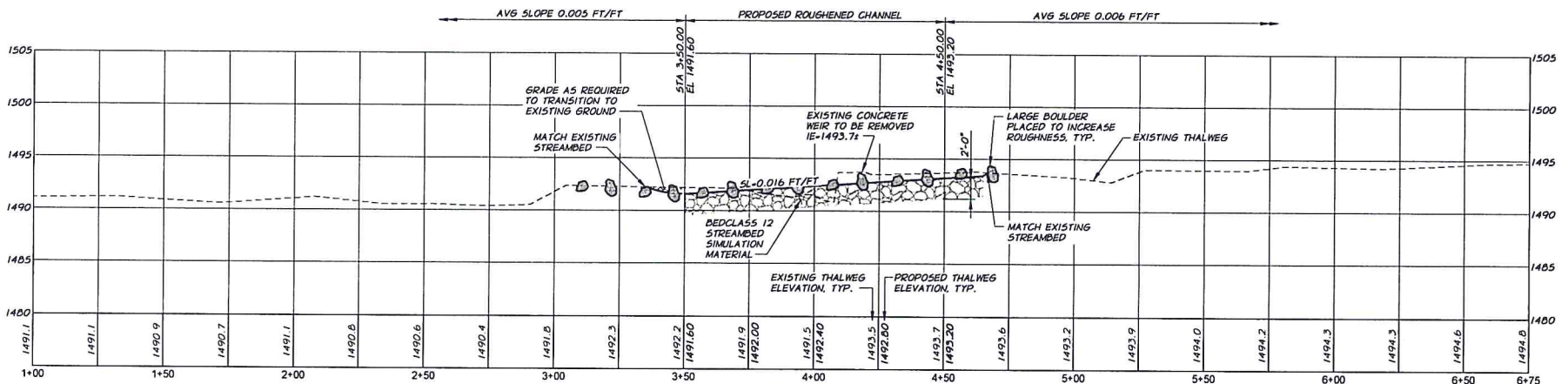
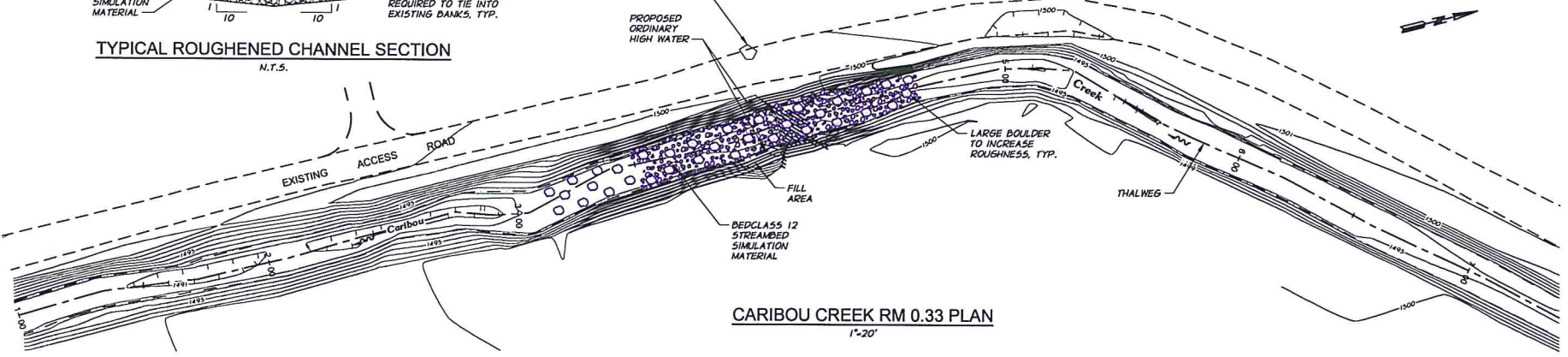


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STREAM RESTORATION NOTES

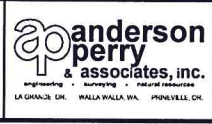
1. CONTRACTOR TO PLACE STREAMBED SIMULATION MATERIAL 4" TO 6" ABOVE FINISHED GRADE, PER ENGINEER'S DIRECTION, TO ACCOUNT FOR ANTICIPATED SETTLING. MATERIAL SHALL BE PLACED BY FIRST INSTALLING THE LARGEST MATERIAL. THE SMALLER MATERIAL SHALL THEN BE USED TO FILL THE VOIDS BETWEEN THE LARGE MATERIAL. THIS MATERIAL SHALL BE TAMPED IN PLACE IN 12" LIFTS FOLLOWED BY JETTING OR FLOODING THE SURFACE WITH WATER TO WASH THE FINER MATERIAL INTO REMAINING VOIDS. FINES SHALL CONTINUE TO BE ADDED AND WASHED INTO THE STREAM SIMULATION MATERIAL UNTIL WATER POOLS ON THE STREAMBED SURFACE.
2. GRADE BANKS AS REQUIRED TO TRANSITION FROM UPSTREAM TO DOWNSTREAM.
3. THE LARGE BOULDERS USED FOR THE TEMPORARY BYPASS DITCH SHALL BE REMOVED FROM THE TEMPORARY BYPASS DITCH AND PLACED NEAR THE SURFACE OF THE STREAMBED AND SHALL BE BURIED APPROXIMATELY 60% TO ACHIEVE LARGE SCALE HYDRAULIC ROUGHNESS AND RESTING LOCATIONS FOR FISH IMMEDIATELY PRIOR TO REMOVING THE WORK AREA ISOLATION BARRIERS. ACTUAL LOCATIONS OF BOULDERS TO BE DETERMINED IN THE FIELD UNDER THE DIRECTION OF THE ENGINEER. IF A TEMPORARY BYPASS PIPE IS USED IN PLACE OF A TEMPORARY BYPASS DITCH, LARGE BOULDERS RANGING IN SIZE FROM 18" TO 24" SHALL BE PLACED ON AVERAGE APPROXIMATELY 10' O.C. THROUGH OUT, AND APPROXIMATELY 40' DOWNSTREAM OF, THE NEWLY CONSTRUCTED CHANNEL.



REVISION	BY	DATE	HORIZ. SCALE 1"=20'	VERT. SCALE 1"=5'
DESIGNED BY J. HERRON			ADJ NUMBER 157-03	DATE 2016
DRAWN BY L. WILLHITE			ACAD FILE 157-03-060C-112PROP.dwg	
REVIEWED BY C. HUTCHINS			COPYRIGHT 2016 BY ANDERSON PERRY & ASSOC., INC.	

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

FOR REVIEW ONLY
 NOT FOR CONSTRUCTION
 100% REVIEW



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

CARIBOU CREEK RM 0.33
 PLAN AND PROFILE