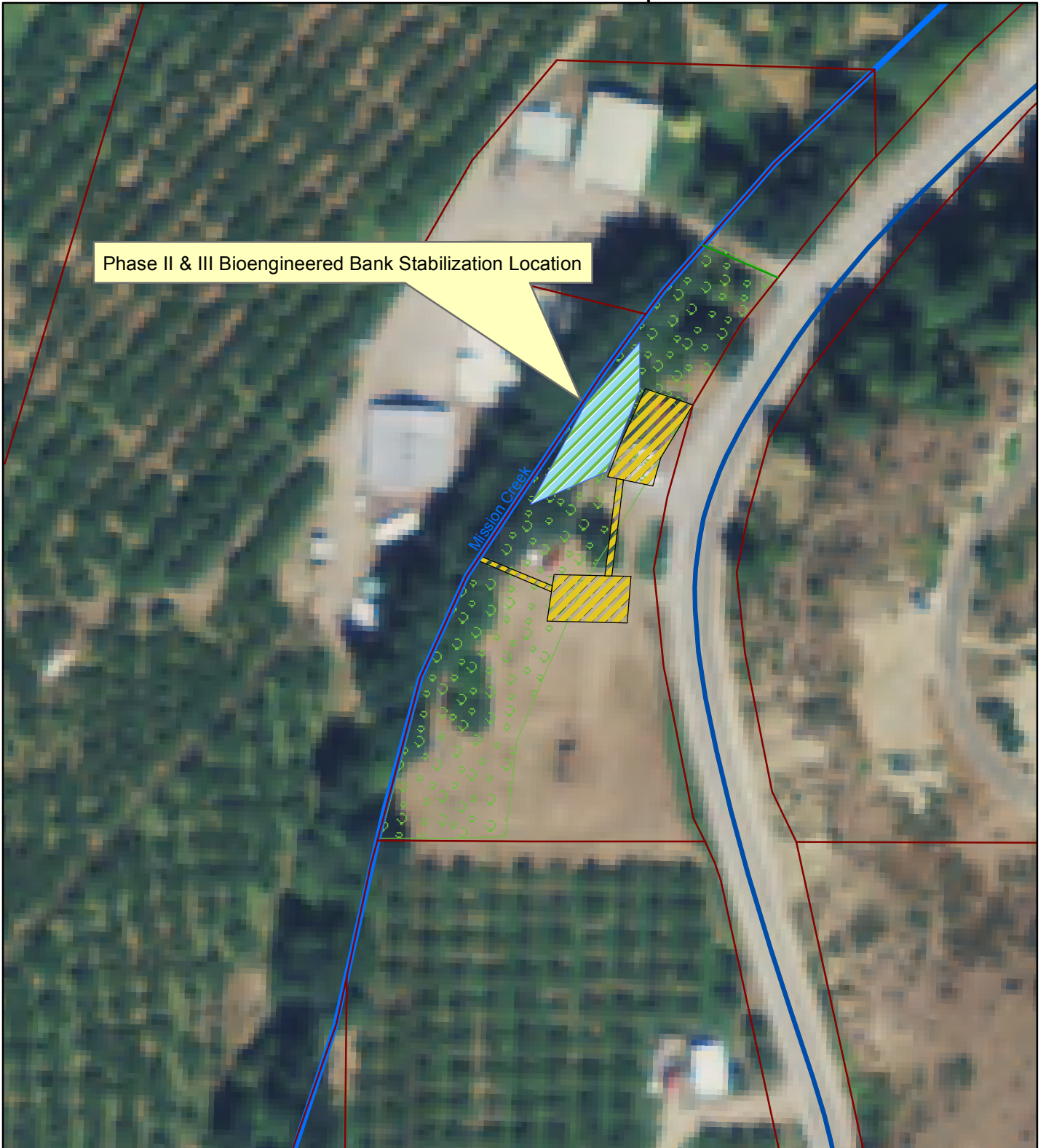











# **Appendix G: Restoration Plan Examples**

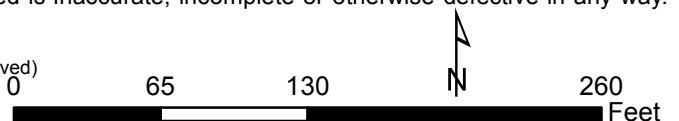
# Mork Site Map



## Legend

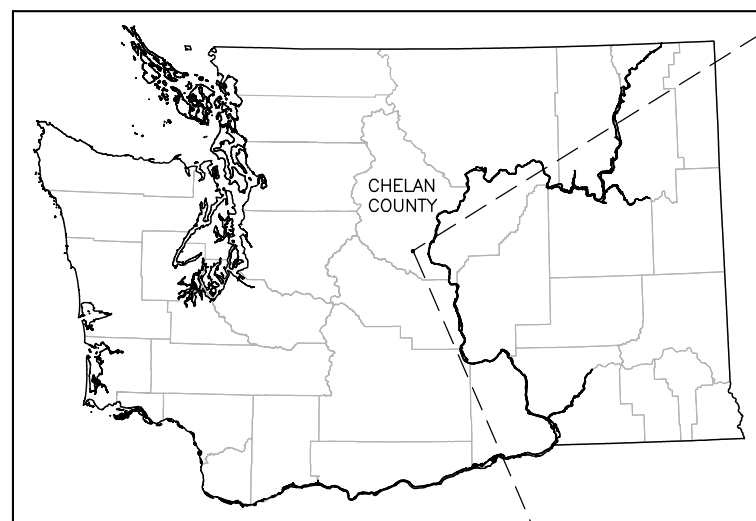
-  County Roads
-  City Roads
-  County/City Roads
-  Unmaintained County Roads
-  Highways
-  Private Roads
-  House & Septic Current Location (to be removed)
-  75' Buffer & Open Space
-  sde.CHELAN.Streams

The County makes no warranty, expressed or implied, concerning the data's content, accuracy, currency or completeness, or concerning the results to be obtained from queries or use of the data. All data is expressly provided "AS IS" and "WITH ALL FAULTS". The County makes no warranty of fitness for a particular purpose, and no representation as to the quality of any data. The Requester shall have no remedy at law or equity against the county in case the data provided is inaccurate, incomplete or otherwise defective in any way.

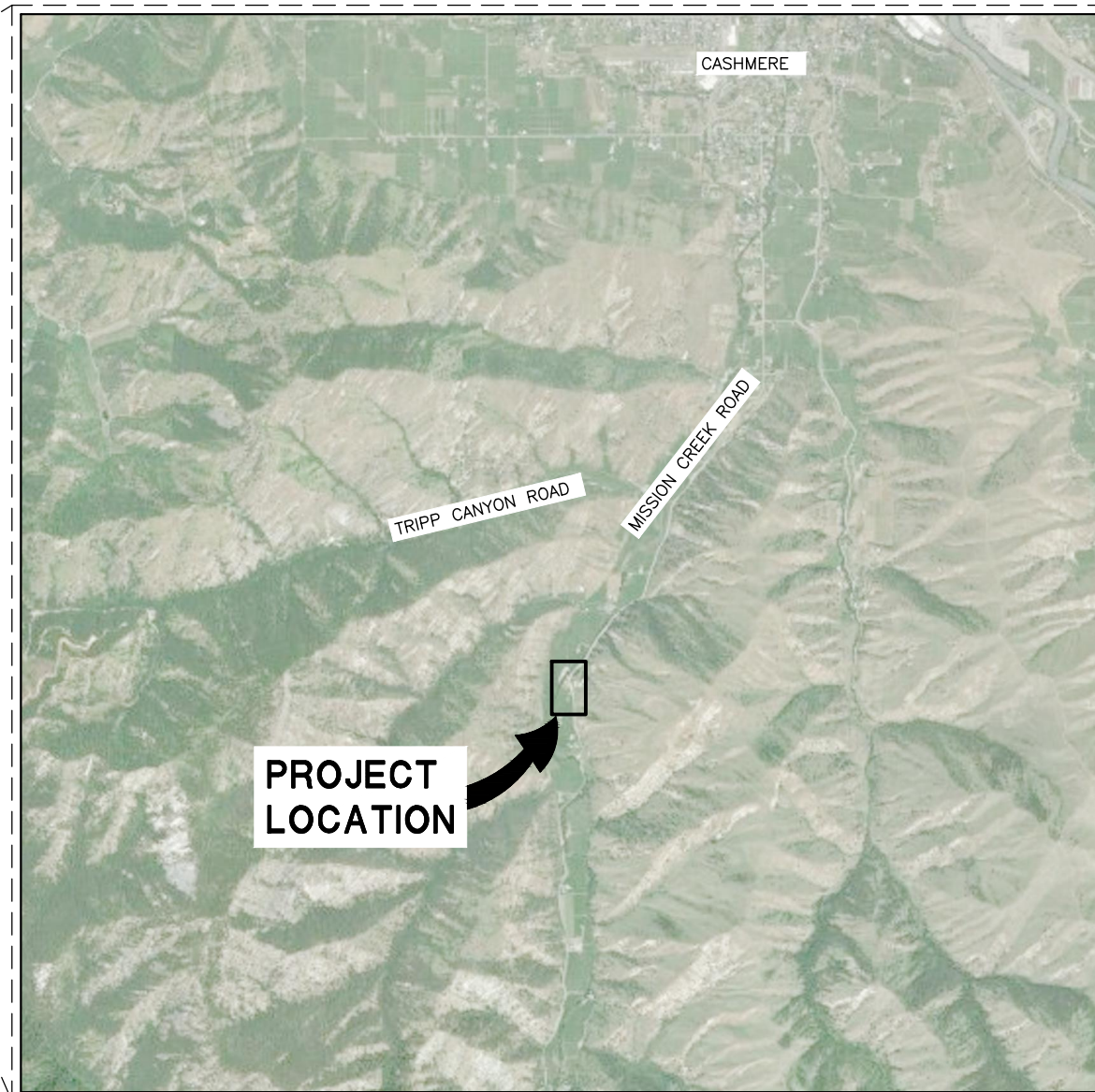


# MISSION CREEK MORK PROPERTY STREAMBANK AND FLOODPLAIN RESTORATION

## CHELAN COUNTY NATURAL RESOURCES DEPARTMENT



**WASHINGTON STATE**  
SCALE: 1" = 50 MILES



**VICINITY MAP**  
SCALE: 1" = 2000'

DRAWING LIST	
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	GENERAL NOTES
3	LEGEND
4	EXISTING CONDITIONS
5	PROPOSED CONDITIONS
6	DETAILS

**CONTACT INFORMATION**

NATURAL SYSTEMS DESIGN, INC  
1900 N NORTHLAKE WAY, SUITE 211  
SEATTLE, WA 98103  
(206) 834-0175

CHELAN COUNTY NATURAL RESOURCES DEPARTMENT  
411 WASHINGTON ST, SUITE 201  
WENATCHEE, WA 98801  
(509) 667-6533

P:\PROJECTS\CHELAN COUNTY\MORK PROPERTY\DESIGN\CAD DWGS - CURRENT\COVER SHEET.DWG - Evandora, B/17/2017 1:01:26 PM

Aug-17-2017 CONCEPTUAL DESIGN

0 0 1  
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT PLOTTED TO ORIGINAL SCALE.



NAME OR INITIALS AND DATE		GEOGRAPHIC INFORMATION	
DESIGNED	DS, JS	LATITUDE	47°28'36.4"N
CHECKED	DS	LONGITUDE	113°45'55"W
DRAWN	MS, GM	TN/SC/RG	23N/19/R20W
CHECKED	DS	DATE	--

**MISSION CREEK –  
MORK PROPERTY**

**COVER SHEET**

1  
SHEET 1 OF 6

**GENERAL NOTES**

1. THESE PLANS HAVE BEEN PREPARED FOR THE EXCLUSIVE USE OF THE OWNER, HEREAFTER REFERRED TO AS "OWNER" AND "CONTRACTOR" AND THEIR AUTHORIZED AGENTS.
2. NATURAL SYSTEMS DESIGN HEREAFTER REFERRED TO AS "ENGINEER" IS RESPONSIBLE FOR THE PREPARATION OF THESE ORIGINAL PLANS AND ASSOCIATED SPECIFICATIONS; AND WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGE, OR USE, OF THESE PLANS WHICH INCLUDES ALTERATION, DELETION, OR EDITING OF THIS DOCUMENT WITHOUT EXPLICIT WRITTEN PERMISSION FROM THE ENGINEER. ANY OTHER UNAUTHORIZED USE OF THIS DOCUMENT IS PROHIBITED.
3. MINOR MODIFICATIONS ARE EXPECTED TO SUIT JOB SITE DIMENSIONS OR CONDITIONS. SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK. THE OWNER, ENGINEER AND APPROPRIATE REGULATORY AGENCIES SHALL BE NOTIFIED OF ANY OWNER-AUTHORIZED CHANGE RESULTING IN MORE THAN A 10% DESIGN CHANGE OF PROPOSED FOOTPRINT OR THAT SIGNIFICANTLY AFFECTS THE INTENDED BENEFIT OR FUNCTION OF A PROJECT ELEMENT.
4. THE LOCATION OF ALL FEATURES SHOWN IS APPROXIMATE.
5. THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; AND FURTHER AGREES THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS IN ACCORDANCE WITH THE PROVISIONS OUTLINED BY THE PROJECT CONTRACT AND SPECIFICATIONS.
6. ALL IMPROVEMENTS SHALL BE ACCOMPLISHED UNDER THE APPROVAL, INSPECTION, AND TO THE SATISFACTION OF THE OWNER. IMPROVEMENT CONSTRUCTION SHALL COMPLY WITH THESE PLANS AND THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD PLANS FOR CONSTRUCTION OF ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, CURRENT EDITION UNLESS NOTED OTHERWISE. ALL REFERENCES TO THE "STANDARD SPECIFICATIONS" SHALL MEAN THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION OF LOCAL STREETS AND ROADS, CURRENT EDITION. CONSTRUCTION NOT SPECIFIED ON THESE PLANS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR IS OBLIGATED TO BE FAMILIAR WITH APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS NOT DISCUSSED IN THE GENERAL NOTES. THE CONTRACT SPECIAL PROVISIONS SHALL SUPERSEDE THOSE OF THE STANDARD SPECIFICATIONS WHERE DISCREPANCIES OCCUR.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTOR(S) TO EXAMINE THE PROJECT SITE PRIOR TO THE OPENING OF BID PROPOSALS. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, SUCH AS THE NATURE AND LOCATION OF THE WORK; AND THE GENERAL AND LOCAL CONDITIONS, PARTICULARLY THOSE AFFECTING THE AVAILABILITY OF TRANSPORTATION, THE DISPOSAL, HANDLING, AND STORAGE OF MATERIALS, AVAILABILITY OF LABOR, WATER, ELECTRICITY, ROADS, THE UNCERTAINTIES OF WEATHER, THE CONDITIONS OF THE GROUND, SURFACE AND SUBSURFACE MATERIALS, GROUNDWATER, THE EQUIPMENT AND FACILITIES NEEDED FOR AND DURING THE PERFORMANCE OF THE WORK, AND THE COSTS THEREOF. ANY FAILURE BY THE CONTRACTOR AND SUBCONTRACTOR(S) TO ACQUAINT THEMSELVES WITH ALL THE AVAILABLE INFORMATION WILL NOT RELIEVE THE CONTRACTOR AND SUBCONTRACTOR(S) FROM RESPONSIBILITY FOR PROPERLY ESTIMATING THE DIFFICULTY AND COST OF SUCCESSFULLY PERFORMING THE WORK.
8. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE CONTRACT DOCUMENTS AND FOR ALL SUBMITTALS REQUIRED TO THE OWNER FOR REVIEW AND ACCEPTANCE.

**PERMIT NOTES**

1. EVERY REASONABLE EFFORT SHALL BE MADE TO CONDUCT THE ACTIVITIES SHOWN IN THESE PLANS, IN A MANNER THAT MINIMIZES THE ADVERSE IMPACT ON WATER QUALITY, FISH AND WILDLIFE, AND THE NATURAL ENVIRONMENT.
2. ALL WORK WILL BE IN COMPLIANCE WITH PERMIT CONDITIONS ISSUED BY PERTINENT REGULATORY AGENCIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE COPIES OF ALL PERMITS ON THE JOB SITE, UNDERSTAND AND COMPLY WITH ALL PERMIT CONDITIONS.
3. ALL WORK THAT DISTURBS THE SUBSTRATE, BANK, OR SHORE OF A WATERS OF THE STATE THAT CONTAINS FISH LIFE SHALL BE CONDUCTED ONLY DURING THE WORK PERIOD FOR THAT WATERBODY AS ALLOWED BY RELEVANT HYDRAULIC WORK PERMITS. THOSE PORTIONS OF THE PROJECT WORK THAT OCCUR OUTSIDE OR ABOVE THE ORDINARY HIGH WATER MARK (ABOVE THE USACE JURISDICTIONAL LINE) ARE NOT SUBJECT TO THE WORK PERIODS DESCRIBED ABOVE UNLESS SPECIFIED IN THE RELEVANT PERMITS.
4. ALL ACTIVITIES THAT INVOLVE WORK ADJACENT TO, OR WITHIN THE WETTED CHANNEL SHALL, AT ALL TIMES, REMAIN CONSISTENT WITH ALL APPLICABLE WATER QUALITY STANDARDS; EFFLUENT LIMITATION; AND STANDARDS OF PERFORMANCE, PROHIBITIONS, PRETREATMENT STANDARDS, AND MANAGEMENT PRACTICES ESTABLISHED PURSUANT TO THE CLEAN WATER ACT OR PURSUANT TO APPLICABLE STATE AND LOCAL LAW.
5. IF AT ANY TIME, AS A RESULT OF PROJECT ACTIVITIES, FISH ARE OBSERVED IN DISTRESS, A FISH KILL OCCURS, OR WATER QUALITY PROBLEMS DEVELOP (INCLUDING EQUIPMENT LEAKS OR SPILLS), OPERATIONS SHALL CEASE AND THE OWNER SHALL BE NOTIFIED IMMEDIATELY.
6. IF, DURING CONSTRUCTION, ARCHAEOLOGICAL REMAINS ARE ENCOUNTERED, CONSTRUCTION IN

THE VICINITY SHALL BE HALTED, AND THE STATE OFFICE OF HISTORIC PRESERVATION AND THE OWNER SHALL BE NOTIFIED IMMEDIATELY.

**SURVEY NOTES**

1. UNLESS NOTED OTHERWISE ON THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL MAINTAIN A SET OF PLANS ON THE JOB SHOWING "AS-CONSTRUCTED" CHANGES MADE TO DATE. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL SUPPLY TO OWNER A SET OF PLANS, MARKED UP TO THE SATISFACTION OF THE OWNER, REFLECTING THE AS-CONSTRUCTED MODIFICATIONS.
3. ELEVATIONS SHOWN ON THE PLANS FOR PIPE INVERTS, TOPS OF BANKS, THALWEG, GRADE CONTROLS, ETC., ARE BASED UPON THE TOPOGRAPHIC INFORMATION SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL NECESSARY SURFACE ELEVATIONS IN THE FIELD AND NOTIFY THE OWNER OF ANY DISCREPANCIES, WHICH MIGHT AFFECT PROPER OPERATION OF THE NEW FACILITIES BEFORE BREAKING GROUND AND PRIOR TO FACILITY INSTALLATION. THE OWNER SHALL BE CONTACTED IN THE EVENT ELEVATIONS ARE INCORRECT SO THAT THE PROPER ADJUSTMENTS CAN BE MADE BY ENGINEER PRIOR TO THE INSTALLATION OF THE FACILITIES, AS SET FORTH IN THE SPECIAL PROVISIONS.
4. LIDAR FOR THIS PROJECT WAS PROVIDED BY CHELAN COUNTY AND IS REPRESENTATIVE OF 2015 CONDITIONS. THE VERTICAL DATUM IS NAVD88 (FT). THE HORIZONTAL DATUM IS NAD83 STATE PLANE WASHINGTON NORTH.

**EROSION, SEDIMENT CONTROL AND WATER MANAGEMENT NOTES**

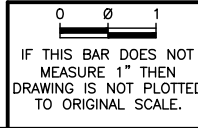
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING ALL TEMPORARY EROSION CONTROL MEASURES. THE EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND PERFORMANCE OF THE TEMPORARY EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE PROJECT.
2. A SEDIMENT AND EROSION CONTROL PLAN WILL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED FOR APPROVAL BY OWNER AND/OR THE ENGINEER BEFORE ANY CONSTRUCTION MAY BEGIN. THE SEDIMENT AND EROSION CONTROL PLAN WILL IDENTIFY BEST MANAGEMENT PRACTICES TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
3. ACTIVITIES SHALL BE DESIGNED AND CONSTRUCTED TO AVOID AND MINIMIZE ADVERSE IMPACTS TO WATERS OF THE UNITED STATES TO THE MAXIMUM EXTENT PRACTICAL THROUGH THE USE OF PRACTICAL ALTERNATIVES. ALTERNATIVES THAT SHALL BE CONSIDERED INCLUDE THOSE THAT MINIMIZE THE NUMBER AND EXTENT OF IN-WATER WORK AND EQUIPMENT CROSSINGS OF WETTED CHANNELS.
4. AT NO TIME SHALL SEDIMENT-LADEN WATER BE DISCHARGED OR PUMPED DIRECTLY INTO THE SUBJECT RIVER, STREAM, OR WETLAND. WATER SHALL BE DISCHARGED IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN THE PROJECT PERMITS AND / OR SPECIFICATIONS.
5. IF HIGH WATER LEVEL CONDITIONS THAT CAUSE SILTATION OR EROSION ARE ENCOUNTERED DURING CONSTRUCTION, WORK SHALL STOP UNTIL THE WATER LEVEL SUBSIDES.
6. PERMIT CONDITIONS CONTAIN SPECIFIC REQUIREMENTS FOR THE CONTROL OF EROSION AND TURBIDITY FROM PROJECT OPERATIONS. TURBIDITY WILL BE MONITORED ON A FREQUENT BASIS BY THE PROJECT MANAGEMENT AND INSPECTION STAFF ON-SITE. TURBIDITY AMOUNTS IN EXCESS OF THE PERMITTED CONCENTRATIONS AND/OR DURATIONS WILL CAUSE WORK TO BE STOPPED UNTIL IMPROVED PRACTICES ARE IN EFFECT AND THE PROBLEMS CONTROLLED. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR ANY PROJECT DELAYS THAT OCCUR BY NATURE OF THIS FAILURE TO ADEQUATELY CONTAIN SEDIMENT ON-SITE.
7. CONTRACTOR SHALL LIMIT MACHINERY MOVEMENT TO CONSTRUCTION AREAS DEFINED ON SITE PLAN OR IDENTIFIED AS ACCEPTABLE BY THE ENGINEER OR OWNER.
8. ALL EXTERNAL GREASE AND OIL SHALL BE PRESSURE-WASHED OFF THE EQUIPMENT PRIOR TO TRANSPORT TO THE SITE.
9. ALL EQUIPMENT OPERATING BELOW OHWM SHALL UTILIZE READILY BIODEGRADABLE VEGETABLE-BASED HYDRAULIC FLUIDS.
10. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT NO PETROLEUM PRODUCTS, HYDRAULIC FLUID, SEDIMENTS, SEDIMENT-LADEN WATER, CHEMICALS, OR ANY OTHER TOXIC OR DELETERIOUS MATERIALS ARE ALLOWED TO ENTER OR LEACH INTO THE SUBJECT RIVER, STREAM, OR WETLAND.
11. THE CONTRACTOR SHALL HAVE AN EMERGENCY SPILL KIT ONSITE AT ALL TIMES.
12. NO TREES OR WETLAND VEGETATION SHALL BE REMOVED UNLESS THEY ARE SHOWN AND NOTED TO BE REMOVED ON THE PLANS OR AS DIRECTLY SPECIFIED ON-SITE BY THE PROJECT MANAGEMENT STAFF. ALL TREES CONFLICTING WITH GRADING SHALL BE REMOVED. NO GRADING SHALL TAKE PLACE WITHIN THE DRIP LINE OF TREES NOT TO BE REMOVED UNLESS OTHERWISE APPROVED.

13. FOLLOWING CONSTRUCTION, SITE RESTORATION WILL INCLUDE ESTABLISHING LONG-TERM EROSION PROTECTION MEASURES. THESE MEASURES WILL INCLUDE PLANTINGS, EROSION CONTROL FABRIC, SEED, AND MULCH. EQUIPMENT AND EXCESS SUPPLIES WILL BE REMOVED AND THE WORK AREA WILL BE CLEANED. MAINTENANCE ACTIVITIES FOR THE NEWLY CONSTRUCTED RESTORATION PROJECTS ARE ANTICIPATED TO OCCUR PERIODICALLY.

**CONSTRUCTION NOTES**

1. CONTRACT DOCUMENTS REFER TO THESE PLANS.
2. CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO COMPLETE ALL WORK AS INDICATED IN THE CONTRACT DOCUMENTS.
3. CONSTRUCTION HOURS SHALL BE WEEKDAYS BETWEEN 7:00 A.M. AND 6:30 P.M. UNLESS PRIOR APPROVAL IS RECEIVED FROM THE OWNER.
4. MODIFY OR DELETE IF NOT NEEDED: SOILS AT THE SITE CONTAIN SOFT SILT, CLAY AND HIGH GROUNDWATER AND MAY REQUIRE EQUIPMENT MATS TO SUPPORT CONSTRUCTION EQUIPMENT. CONSOLIDATION OF THE GROUND SURFACE SHOULD BE EXPECTED. CONTRACTOR IS RESPONSIBLE FOR DETERMINING NEED FOR, DESIGNING, PROCURING, INSTALLING, USING AND REMOVING ANY EQUIPMENT MATS NEEDED TO ALLOW FOR EQUIPMENT OPERATION SUFFICIENT TO CONSTRUCT THE PROJECT.
5. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE OWNER PRIOR TO PROCEEDING WITH THE WORK.
6. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE BY THE OWNER OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
7. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
8. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THIS CONTRACT.
9. THE CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, ROADWAY, DRAINAGE WAYS, PRIVATE BRIDGE, CULVERTS, AND VEGETATION UNTIL SUCH ITEMS ARE TO BE DISTURBED OR REMOVED AS INDICATED ON THE CONTRACT DOCUMENTS.
10. THE CONTRACTOR SHALL KEEP THE JOB SITE CLEAN AND HAZARD FREE. CONTRACTOR SHALL DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH FOR THE DURATION OF THE WORK. UPON COMPLETION OF WORK, CONTRACTOR SHALL REMOVE ALL MATERIAL AND EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY.
11. NOTES AND DETAILS ON THE PLANS SHALL TAKE PRECEDENCE OVER GENERAL NOTES HEREIN.
12. DIMENSIONS CALLOUTS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON THE PLANS.
13. THE PLANS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF ALL CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURES, WORKS, AND THE PUBLIC DURING CONSTRUCTION.
14. MATERIAL SHALL NOT BE STORED OUTSIDE OF IDENTIFIED STAGING AREAS. THE CONTRACTOR SHALL USE ONLY DESIGNATED SPECIFIC SITES FOR STORAGE OF EQUIPMENT AND MATERIALS AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF ALL EQUIPMENT AND MATERIALS.

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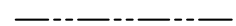

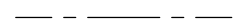

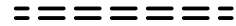


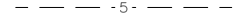
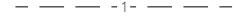
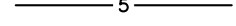


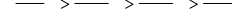
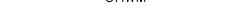
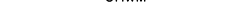


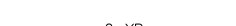
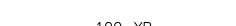


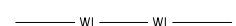

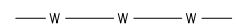
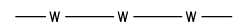
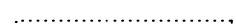
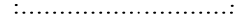





NAME OR INITIALS AND DATE	GEOGRAPHIC INFORMATION
DESIGNED <b>DS, JS</b>	LATITUDE <b>47°28'36.4\"/&gt; </b>



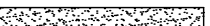
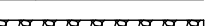

**MISSION CREEK – MORK PROPERTY**

**GENERAL NOTES**

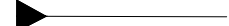
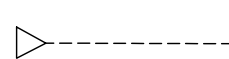
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**Aug-17-2017**

**GENERAL LEGEND**

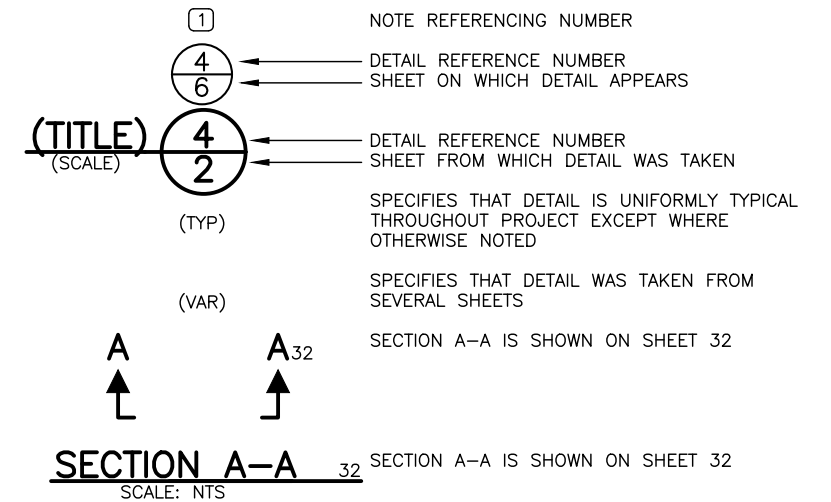
-  PROPERTY LINE
-  PHASE LINE
-  RIGHT OF WAY LINE
-  EXISTING ROAD
-  ACCESS ROAD
-  CLEARING LIMIT
-  GRADING LIMIT
-  EXISTING MAJOR CONTOUR
-  EXISTING MINOR CONTOUR
-  PROPOSED MAJOR CONTOUR
-  PROPOSED MINOR CONTOUR
-  2-YR FLOW CHANNEL
-  EXISTING FLOW
-  EXISTING OHWM
-  PROPOSED OHWM
-  MEAN HIGHER HIGH WATER
-  MEAN HIGH WATER
-  MEAN LOWER LOW WATER
-  2-YEAR FLOOD BOUNDARY
-  100-YEAR FLOOD BOUNDARY
-  EXISTING STORM SEWER
-  EXISTING SANITARY SEWER
-  EXISTING WETLAND
-  PROPOSED WETLAND
-  EXISTING WATER
-  PROPOSED WATER
-  DEMOLITION/REMOVAL AREA
-  EXISTING FENCE
-  EXISTING CONIFEROUS TREE
-  EXISTING DECIDUOUS TREE
-  CONTROL POINT LOCATION
-  PHOTO POINT LOCATION

-  RACKING AND SLASH MATERIAL
-  LARGE WOOD PIECE
-  NATIVE ALLUVIUM
-  STREAMBED GRAVEL
-  RIPRAP


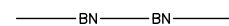

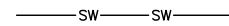
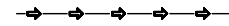
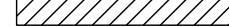


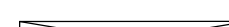
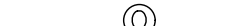

**RESTORATION LEGEND**

-  FILL SLOPE LINE
-  EXCAVATION SLOPE LINE

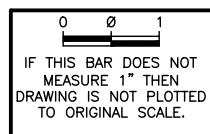
**DETAIL AND SECTION REFERENCING**



**TEMPORARY EROSION CONTROL LEGEND**

-  SB SILT BOOM
-  BN BLOCK NETS
-  SF SILT FENCE
-  SW STRAW WATTLE
-  DEWATERING LINE DISCHARGE
-  PROPOSED STAGING AREA
-  BULK BAG COFFERDAM
-  TEMPORARY ACCESS ROAD
-  TEMPORARY ACCESS BRIDGE
-  PUMP DISCHARGE OUTLET
-  DEWATERING PUMP

P:\PROJECTS\CHLAN\_COUNTY\WORK\PROPERTY\DESIGN\CAD\_DWG8 - CURRENT\LEGEND.DWG - Evandora\_8/17/2017\_1:02:03\_PM



NAME OR INITIALS AND DATE	GEOGRAPHIC INFORMATION
DESIGNED ME	LATITUDE 46°26'29"N
CHECKED RH	LONGITUDE 123°26'18"W
DRAWN KP	TN/SC/RG T11N/S8/R6W
CHECKED ME	DATE

**EAST FORK GRAYS RIVER—  
LARGE WOOD RETENTION  
PROJECT**

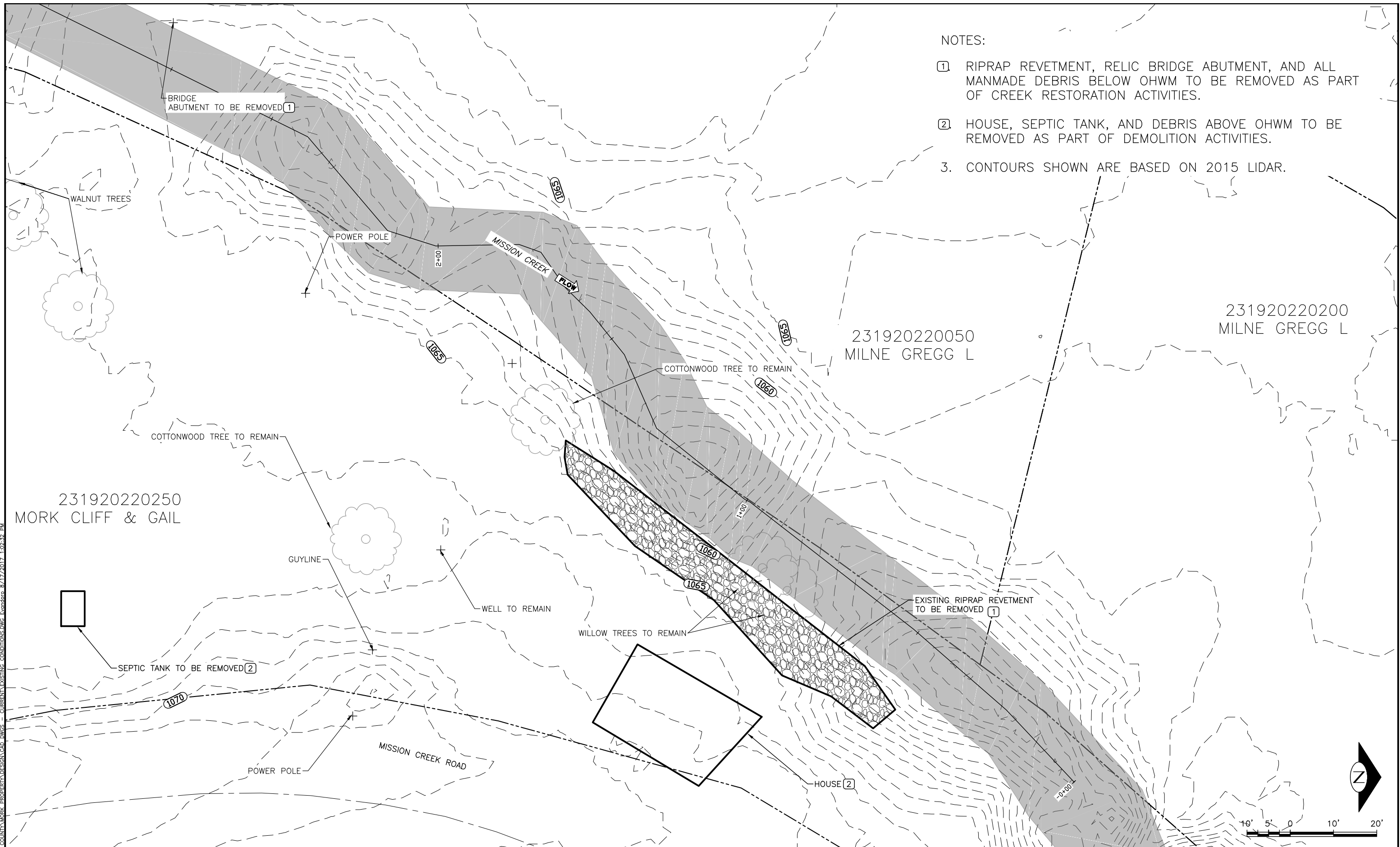
**LEGEND**

**3**  
SHEET **3** OF **8**

Aug 17, 2017 PRELIMINARY DESIGN 30% NOT FOR CONSTRUCTION

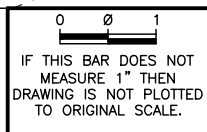
NOTES:

- ① RIPRAP REVETMENT, RELIC BRIDGE ABUTMENT, AND ALL MANMADE DEBRIS BELOW OHWM TO BE REMOVED AS PART OF CREEK RESTORATION ACTIVITIES.
- ② HOUSE, SEPTIC TANK, AND DEBRIS ABOVE OHWM TO BE REMOVED AS PART OF DEMOLITION ACTIVITIES.
3. CONTOURS SHOWN ARE BASED ON 2015 LIDAR.



P:\PROJECTS\CHELAN COUNTY\MORK PROPERTY\DESIGN\CAD DWGS - CURRENT\EXISTING CONDITIONS.DWG, Expeditor, 8/17/2017, 1:02:32 PM

CONCEPTUAL DESIGN  
Aug-17-2017



NAME OR INITIALS AND DATE	GEOGRAPHIC INFORMATION
DESIGNED DS, JS	LATITUDE 47°28'36.4"N
CHECKED DS	LONGITUDE 113°45'55"W
DRAWN MS, GM	TN/SC/RG 23N/19/R20W
CHECKED DS	DATE

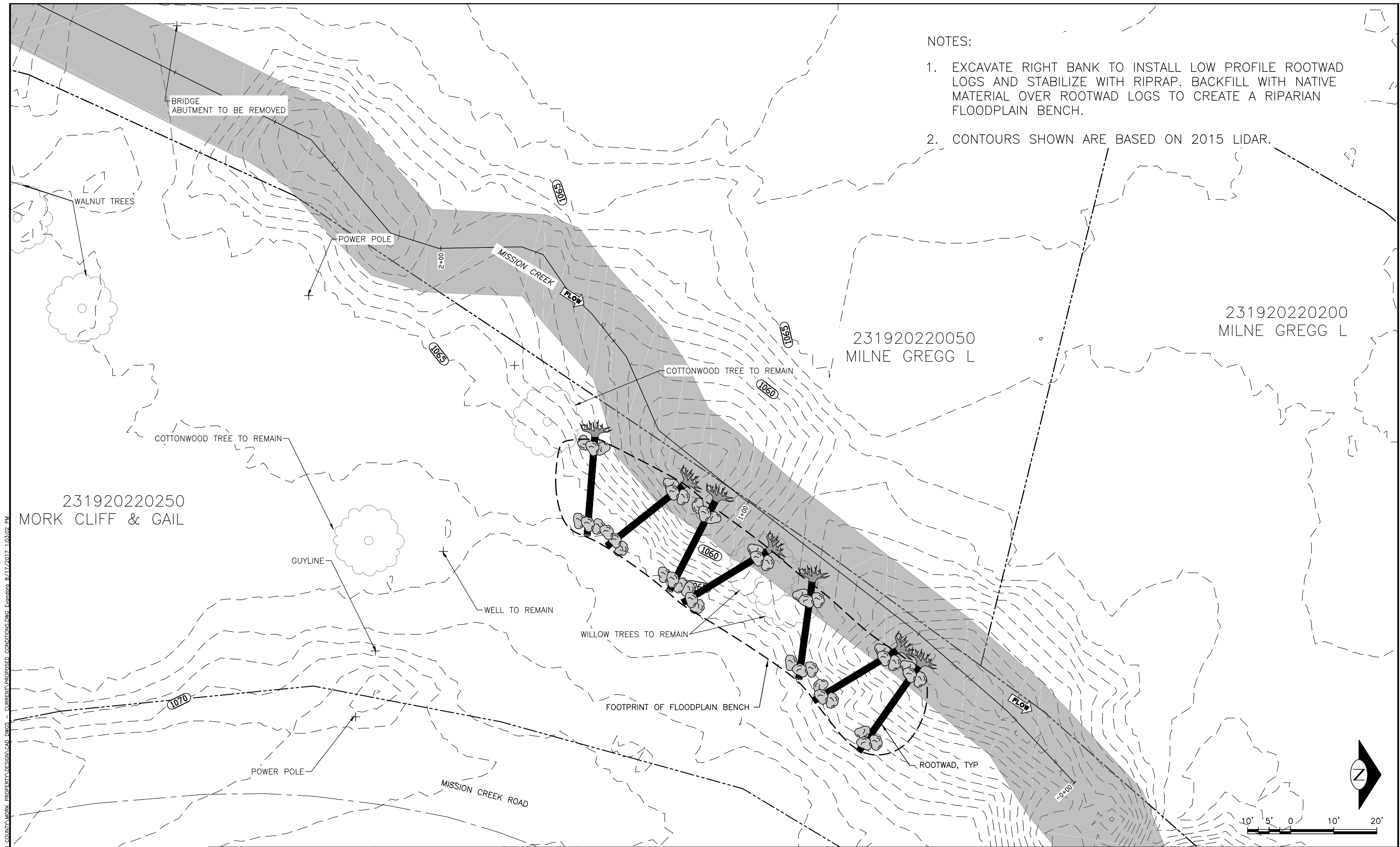
**MISSION CREEK –  
MORK PROPERTY**

**EXISTING CONDITIONS**

**4**  
SHEET **4** OF **6**

NOTES:

- EXCAVATE RIGHT BANK TO INSTALL LOW PROFILE ROOTWAD LOGS AND STABILIZE WITH RIPRAP. BACKFILL WITH NATIVE MATERIAL OVER ROOTWAD LOGS TO CREATE A RIPARIAN FLOODPLAIN BENCH.
- CONTOURS SHOWN ARE BASED ON 2015 LIDAR.



P:\PROJECTS\CHELAN COUNTY\MORK PROPERTY\DESIGN\CAD DWGS - CURRENT\PROPOSED CONDITIONS\MWC\_Export.dwg 8/17/2017 1:03:02 PM

CONCEPTUAL DESIGN  
Aug-17-2017

0 5 1  
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT PLOTTED TO ORIGINAL SCALE.



NAME OR INITIALS AND DATE	GEOGRAPHIC INFORMATION
DESIGNED DS, JS	LATITUDE 47°28'36.4"N
CHECKED DS	LONGITUDE 113°45'55"W
DRAWN MS, GM	TN/SC/RG 23N/19/R20W
CHECKED DS	DATE --

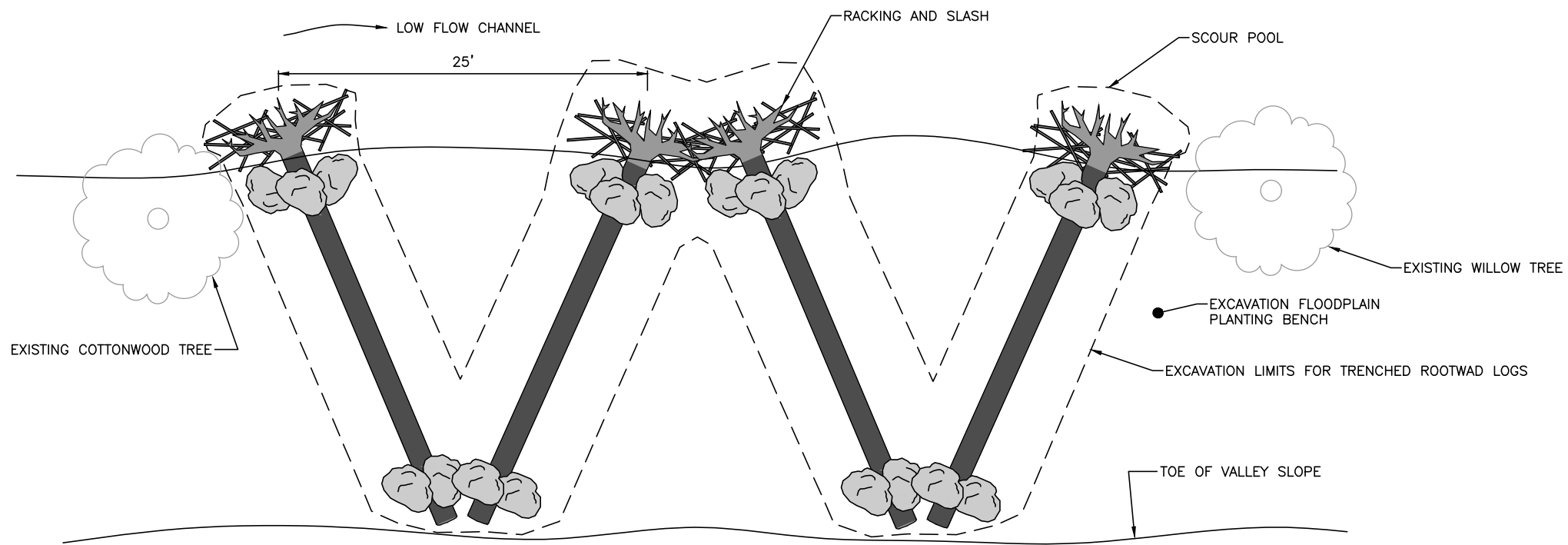
**MISSION CREEK – MORK PROPERTY**

**PROPOSED CONDITIONS**

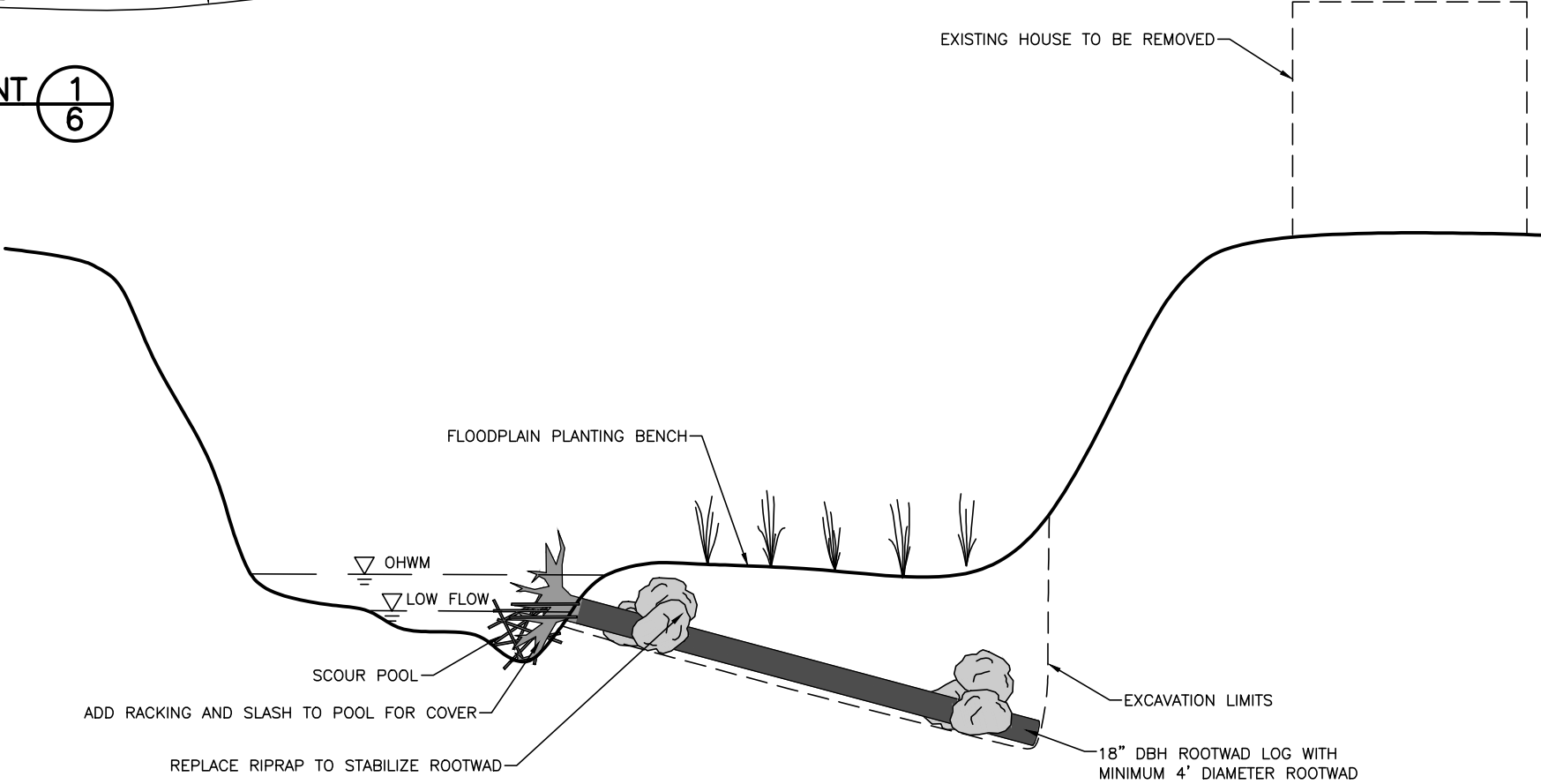
5  
SHEET 5 OF 6

NOTES:

1. PLANTINGS ON THE FLOODPLAIN PLANTING BENCH SHALL CONSIST OF NATIVE SPECIES HARVESTED AND GROWN LOCALLY. SPECIES TO INCLUDE COTTONWOOD, WILLOW, RED-OSIER DOGWOOD, AND SNOWBERRY AS APPROPRIATE.



**TYPICAL PLAN VIEW -BIOENGINEERED BANK TREATMENT** (1/6)  
NOT TO SCALE



**TYPICAL CROSS-SECTION -BIOENGINEERED BANK TREATMENT** (2/6)  
NOT TO SCALE

0 1  
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT PLOTTED TO ORIGINAL SCALE.



NAME OR INITIALS AND DATE	GEOGRAPHIC INFORMATION
DESIGNED DS, JS	LATITUDE 47°28'36.4"N
CHECKED DS	LONGITUDE 113°45'55"W
DRAWN MS, GM	TN/SC/RG 23N/19/R20W
CHECKED DS	DATE --

**MISSION CREEK - MORK PROPERTY**

**TYPICAL TREATMENT DETAILS**

P:\PROJECTS\CHELAN COUNTY\MORK PROPERTY\DESIGN\CAD DWGS - CURRENT\DETAILS.DWG\_Markote\_8/18/2017\_9:05:41 AM

Aug-18-2017 CONCEPTUAL DESIGN



**EMERGENCY PROPERTY PROTECTION PROGRAM  
LANDOWNER AGREEMENT**

**CHELAN COUNTY**

**Section 1. Cooperator**

Cooperator Name Clifford & Gail Mork Farm Name \_\_\_\_\_  
 Cooperator Address «804 Cedar St. City «Leavenworth, WA ZIP «98822  
 Farm Address «3308 Mission Creek Road, Cashmere WA, 98815»  
 Phone «509-741-0890» **WRIA #**

**45**

**Section 2. Environmental quality problems; proposed Best Management Practices (BMP); and environmental benefits expected (attach plan sheet with project description and date)**

**A. DESCRIPTION AND LOCATION OF ENVIRONMENTAL QUALITY PROBLEM(S).** Please include a latitude and longitude description of the property where environmental quality problem(s) are located and where needed BMP(s) will be installed. Please include photo of site(s) if available.

During early December 2015 an unprecedented rain event caused a historic high flow in Mission Creek. The high flows carried a large amount of debris downstream. This caused a debris jam to form and caused Mission Creek to avulse on its right bank to the east undermining the Mork residence. An Emergency HPA was issued by WDFW for streambank stabilization. Chelan County Community Development has declared the structure as extremely hazardous and has notices attached to the structure. Chelan County Natural Resources in conjunction with NRCS is applying for Emergency Property Protection funds to provide a barrier to further erosion by Mission Creek. The subject property is tax parcel # 231920220250.

The property  does  does not contain fire line.

**B. BEST MANAGEMENT PRACTICES (BMP) OR CONSERVATION PRACTICES NEEDED TO CORRECT THE IDENTIFIED ENVIRONMENTAL QUALITY PROBLEM(S) AND FOR WHICH COST-SHARING ASSISTANCE IS REQUESTED. PRACTICES SHOULD BE IN ORDER OF LOGICAL IMPLEMENTATION.**

<input type="checkbox"/> Culvert Trash Rack Installation _____ (No.)	<input type="checkbox"/> Rain gauges _____ (No.)
<input type="checkbox"/> Culvert Trash Rack Replacement _____ (No.)	<input type="checkbox"/> Channel Clearing <u>.05</u> (Acres)
<input checked="" type="checkbox"/> Earthen Berm Construction 2000 (Square feet)	<input type="checkbox"/> Ecology Block Structure Placement <u>6</u> (No.)
<input type="checkbox"/> Road Rehab _____ (Square Ft)	<input checked="" type="checkbox"/> Brush Removal <u>40</u> CY (No.)
<input type="checkbox"/> Culvert Replacement/Cleaning _____ (No.)	<input type="checkbox"/> Culvert Installation _____ (No.)
<input type="checkbox"/> Deer Fence Replacement/Modification _____ (No.)	

**C. DESCRIPTION OF ENVIRONMENTAL QUALITY BENEFITS THAT ARE EXPECTED TO BE PRODUCED BY THE PRACTICES INSTALLED.**

Practices are recommended to reduce the potential for soil erosion impacting life and property within and adjacent to the burn area. The benefits of the recommended practices include soil stabilization and protection of infrastructure.

**Section 3. Application and Agreement**

1. I request assistance under the Emergency Property Protection Program to install the best management/conservation practices described on the attached plan sheet(s) and summarized in Section 2 above. These practices are needed to solve the environmental quality problems described in Section 2, and would not be performed to the extent requested without County assistance.
2. I understand the County's ability to complete this work is contingent on the availability of funds through the USDA Natural Resources Conservation Service's Emergency Property Protection program, and that when this contract crosses over state or federal fiscal years, the obligations of Chelan County and the USDA Natural Resources Conservation Service are contingent upon the appropriation of funds during the next fiscal year. I further understand the failure to appropriate or allocate such funds shall be good cause to terminate this contract.
3. If sufficient cost-sharing funds are made available to Chelan County and the USDA Natural Resources Conservation Service, and if this application is approved for the practice(s) requested;
  - a. I understand I will be notified by the Chelan County of the approval and funding status of this cost share assistance request within 30 days of my application.
  - b. I agree to own, maintain, and operate the practice(s) for its design life as determined by USDA Natural Resources Conservation Service and as shown in Section 4. I further understand that the intent of this work is emergency protection of life and property; that Chelan County will not remove or modify any material or practice installed under this agreement, even after it has reached its design life or is no longer needed; and that any such removal or modification that is undertaken will be at my expense.
  - c. I agree to permit for the duration of its design life, on reasonable notice and request from Chelan County, the inspection of the location, maintenance, and monitoring of the long-term condition of the practice(s).

**A. DESCRIPTION AND LOCATION OF ENVIRONMENTAL QUALITY PROBLEM(S).** Please include a latitude and longitude description of the property where environmental quality problem(s) are located and where needed BMP(s) will be installed. Please include photo of site(s) if available.

During early December 2015 an unprecedented rain event caused a historic high flow in Mission Creek. The high flows carried a large amount of debris downstream. This caused a debris jam to form and caused Mission Creek to avulse on its right bank to the east undermining the Mork residence. An Emergency HPA was issued by WDFW for streambank stabilization. Chelan County Community Development has declared the structure as extremely hazardous and has notices attached to the structure. Chelan County Natural Resources in conjunction with NRCS is applying for Emergency Property Protection funds to provide a barrier to further erosion by Mission Creek. The subject property is tax parcel # 231920220250.

The property  does  does not contain fire line.

**B. BEST MANAGEMENT PRACTICES (BMP) OR CONSERVATION PRACTICES NEEDED TO CORRECT THE IDENTIFIED ENVIRONMENTAL QUALITY PROBLEM(S) AND FOR WHICH COST-SHARING ASSISTANCE IS REQUESTED. PRACTICES SHOULD BE IN ORDER OF LOGICAL IMPLEMENTATION.**

Culvert Trash Rack Installation \_\_\_\_\_ (No.)       Rain gauges \_\_\_\_\_ (No.)  
 Culvert Trash Rack Replacement \_\_\_\_\_ (No.)       Channel Clearing .05 (Acres)  
 Earthen Berm Construction 2000 (Square feet)       Ecology Block Structure Placement 6 (No.)  
 Road Rehab \_\_\_\_\_ (Square Ft)       Brush Removal 40 CY (No.)  
 Culvert Replacement/Cleaning \_\_\_\_\_ (No.)       Culvert Installation \_\_\_\_\_ (No.)  
 Deer Fence Replacement/Modification \_\_\_\_\_ (No.)

**C. DESCRIPTION OF ENVIRONMENTAL QUALITY BENEFITS THAT ARE EXPECTED TO BE PRODUCED BY THE PRACTICES INSTALLED.**

Practices are recommended to reduce the potential for soil erosion impacting life and property within and adjacent to the burn area. The benefits of the recommended practices include soil stabilization and protection of infrastructure.

**Section 3. Application and Agreement**

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2. I understand the County's ability to complete this work is contingent on the availability of funds through the USDA Natural Resources Conservation Service's Emergency Property Protection program, and that when this contract crosses over state or federal fiscal years, the obligations of Chelan County and the USDA Natural Resources Conservation Service are contingent upon the appropriation of funds during the next fiscal year. I further understand the failure to appropriate or allocate such funds shall be good cause to terminate this contract.
3. If sufficient cost-sharing funds are made available to Chelan County and the USDA Natural Resources Conservation Service, and if this application is approved for the practice(s) requested;
  - a. I understand I will be notified by the Chelan County of the approval and funding status of this cost share assistance request within 30 days of my application.
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  - c. I agree to permit for the duration of its design life, on reasonable notice and request from Chelan County, the inspection of the location, maintenance, and monitoring of the long-term condition of the practice(s).
  - d. I understand that to assist landowners with post-fire erosion risk, Chelan County is providing recommendations based on applicable USDA Natural Resource Conservation Service best management practice standards. This technical assistance and any financial assistance is provided on a voluntary basis. Further, Chelan County does not warrant, guarantee or make any representation regarding the implementation of any recommended practice. In addition, no endorsement of any company or product is given or implied.




1 \_\_\_\_\_ Date Gail Mork Clifford Mork 2/18/2016  
 Signature of Cooperator      Signature of Landowner (if Cooperator is Lessee)<sup>1</sup>

2 ALAN SCHMIDT \_\_\_\_\_ Date Alan Schmidt 2-23-2016  
 Application Prepared By      County Staff      Application Approved by Authorized County Signer      Date

# Hill Restoration Map



## Legend

-  Bioengineered Bank Stabilization
-  Riparian Planting Area
-  Streams

0 65 130 260 Feet

Address: NA / Mission Creek Road  
Parcel # 221906420150



# LANDOWNER AGREEMENT

## CHELAN COUNTY

### Section 1. Cooperator

Cooperator Name Steven & Sheryl Hill

Cooperator Address : 4010 139<sup>th</sup> Pl SE, Mill Creek, Wa ZIP 98012

Farm Address Property ID: 14115, Mission Creek Road, Cashmere 98815

Phone 509-782-1670 WRIA #45

### Section 2. Environmental quality problems; proposed Best Management Practices (BMP); and environmental benefits expected (attach plan sheet with project description and date)

**A. DESCRIPTION AND LOCATION OF ENVIRONMENTAL QUALITY PROBLEM(S).** Please include a latitude and longitude description of the property where environmental quality problem(s) are located and where needed BMP(s) will be installed. Please include photo of site(s) if available.

During early December 2015 an unprecedented rain event caused a historic high flow in Mission Creek. The high flows carried a large amount of debris downstream. These flows compounded an ongoing issue of occurrence on parcel 221906420150 in which the outside bend of a creek meander experienced compounding avulsion, jeopardizing a dwelling and deck upgradient of the stream bank. Chelan County Natural Resources in conjunction with NRCS is applying for Emergency Property Protection funds for properties located downstream that suffered damage and is now applying for Recovery Property Protection for bank stabilization and property protection through bioengineering techniques and wood structures for this parcel and another to combat further erosion by Mission Creek. Riparian plantings will also be incorporated into the overall project to not only stabilize adjacent banks from future erosion but also improve Mission Creek Shading. The subject property is tax parcel # 221906420150.

The property  does  does not contain fire line.

**B. BEST MANAGEMENT PRACTICES (BMP) OR CONSERVATION PRACTICES NEEDED TO CORRECT THE IDENTIFIED ENVIRONMENTAL QUALITY PROBLEM(S) AND FOR WHICH COST-SHARING ASSISTANCE IS REQUESTED. PRACTICES SHOULD BE IN ORDER OF LOGICAL IMPLEMENTATION.**

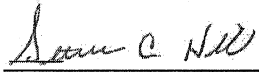
- Culvert Trash Rack Installation \_\_\_\_\_(No.)       Rain gauges \_\_\_\_ (No.) X Bioengineering 450 (sg ft)
- Culvert Trash Rack Replacement \_\_\_\_\_(No.)       Channel Clearing .05 (Acres)
- Earthen Berm Construction (Square feet)       Ecology Block Structure Placement \_\_\_\_\_ (No.)
- Road Rehab \_\_\_\_\_ (Square Ft)       Brush Removal \_\_\_\_\_ (No.)
- Culvert Replacement/Cleaning \_\_\_\_\_ (No.)       Culvert Installation \_\_\_\_\_ (No.)
- Deer Fence Replacement/Modification \_\_\_\_\_ (No.)      X Large Woody Debris Installation 2 (No.)

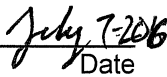
**C. DESCRIPTION OF ENVIRONMENTAL QUALITY BENEFITS THAT ARE EXPECTED TO BE PRODUCED BY THE PRACTICES INSTALLED.**

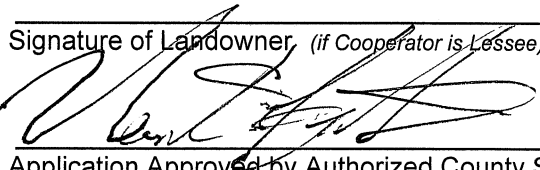
Practices are recommended to reduce the potential for soil erosion impacting life and property within and adjacent Mission Creek. The benefits of the recommended practices include stream bank soil stabilization, protection of infrastructure, improved stream shading, stabilized stream banks throughout the property, and additional riparian buffer width.

### Section 3. Application and Agreement

1. I request assistance under the Emergency Property Protection Program to install the best management/conservation practices described on the attached plan sheet(s) and summarized in Section 2 above. These practices are needed to solve the environmental quality problems described in Section 2, and would not be performed to the extent requested without County assistance.
2. I understand the County's ability to complete this work is contingent on the availability of funds through the USDA Natural Resources Conservation Service's Emergency Property Protection program, and that when this contract crosses over state or federal fiscal years, the obligations of Chelan County and the USDA Natural Resources Conservation Service are contingent upon the appropriation of funds during the next fiscal year. I further understand the failure to appropriate or allocate such funds shall be good cause to terminate this contract.
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  - a. I understand I will be notified by the Chelan County of the approval and funding status of this cost share assistance request within 30 days of my application.
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  - d. I understand that to assist landowners with post-fire erosion risk, Chelan County is providing recommendations based on applicable USDA Natural Resource Conservation Service best management practice standards. This technical assistance and any financial assistance is provided on a voluntary basis. Further, Chelan County does not warrant, guarantee or make any representation regarding the implementation of any recommended practice. In addition, no endorsement of any company or product is given or implied.

  
Signature of Cooperator

  
Date

  
Signature of Landowner, (if Cooperator is Lessee)<sup>1</sup> Date

Peter Cruickshank

  
Date

Application Prepared By County Staff

Application Approved by Authorized County Signer Date

PROJECT VICINITY



VICINITY MAP  
0 1000  
SCALE IN FEET

LOCATION SUMMARY  
SW1/4 S6 T22N R19E  
47.4268°N -120.5075°W

DRAWING LIST	
PAGE NUMBER	DESCRIPTION
1	LOCATION MAP
2	NOTES
3	PROJECT LAYOUT
4	LOG STRUCTURE DETAIL
5	FESL DETAIL
6	TES PLAN

PROJECT LOCATION



LOCATION MAP  
0 500  
SCALE IN FEET



### SPONSOR REVIEW AND ACCEPTANCE

The plan set (construction drawings, construction and material specifications, and operation and maintenance plans) for this project have been reviewed by me and are accepted for installation. I also acknowledge that any modifications implemented prior to the review and approval by the NRCS may result in NRCS disapproval of this project. I hereby acknowledge receipt of a copy of this plan set.

\_\_\_\_\_ Date \_\_\_\_\_

DATE: 2/20/16  
DRAWN BY: P. Cucka  
CHECKED BY: JOSEPH LANCE  
DATE: 8/17/16

HILL EWP PROJECT  
CHELAN COUNTY NATURAL RESOURCES DEPARTMENT  
COVER  
NRC'S EWP VICINITY WATERSHED PROTECTION PROGRAM  
WVNS Practice Standard 510 Job Class: 2/

United States  
Department of  
Agriculture  
USDA  
Natural Resources  
Conservation Service

File Name: P:\16-14003  
Drawing Name: 160707\_CSD14

Sheet 1 of 6

GENERAL NOTES:

1. The attached NRCS Construction and Material Specifications are part of this plan set and shall govern the installation of this project.
2. This project shall be constructed to the lines and grades as shown in these drawings and detailed in the Construction Specifications.
3. The project will be operated and maintained as described in the Operation and Maintenance Plan that is included with this plan set.

PERMITS:

The NRCS does not assume any responsibility in the determination, application, and/or securing of any necessary permits for the construction and operation of this facility. All permits are the responsibility of the Sponsor.

UTILITIES:

The NRCS does not make any representation to the existence or non-existence of any public and/or private buried or overhead utilities. Where utilities are shown on the drawings, their location, depth, and/or height are approximate. The exact location, depth, and/or height shall be determined by the responsible utility. Any construction and/or O&M activities with the utility easement shall be in conformance with the utility requirements.

CALL BEFORE YOU DIG (1-800-424-5555)

SURVEY CONTROL:

Locations of control points will be clearly marked by the NRCS.

Horizontal Datum: US State Plane Coordinate System, Washington North Zone, NAD83, US Survey Feet

Vertical Datum: NAVD88

SPECIAL NOTES:

1. The log structures and FESL shall be installed as shown in the drawings and as directed in the field by the NRCS Engineer.

Estimated Quantities

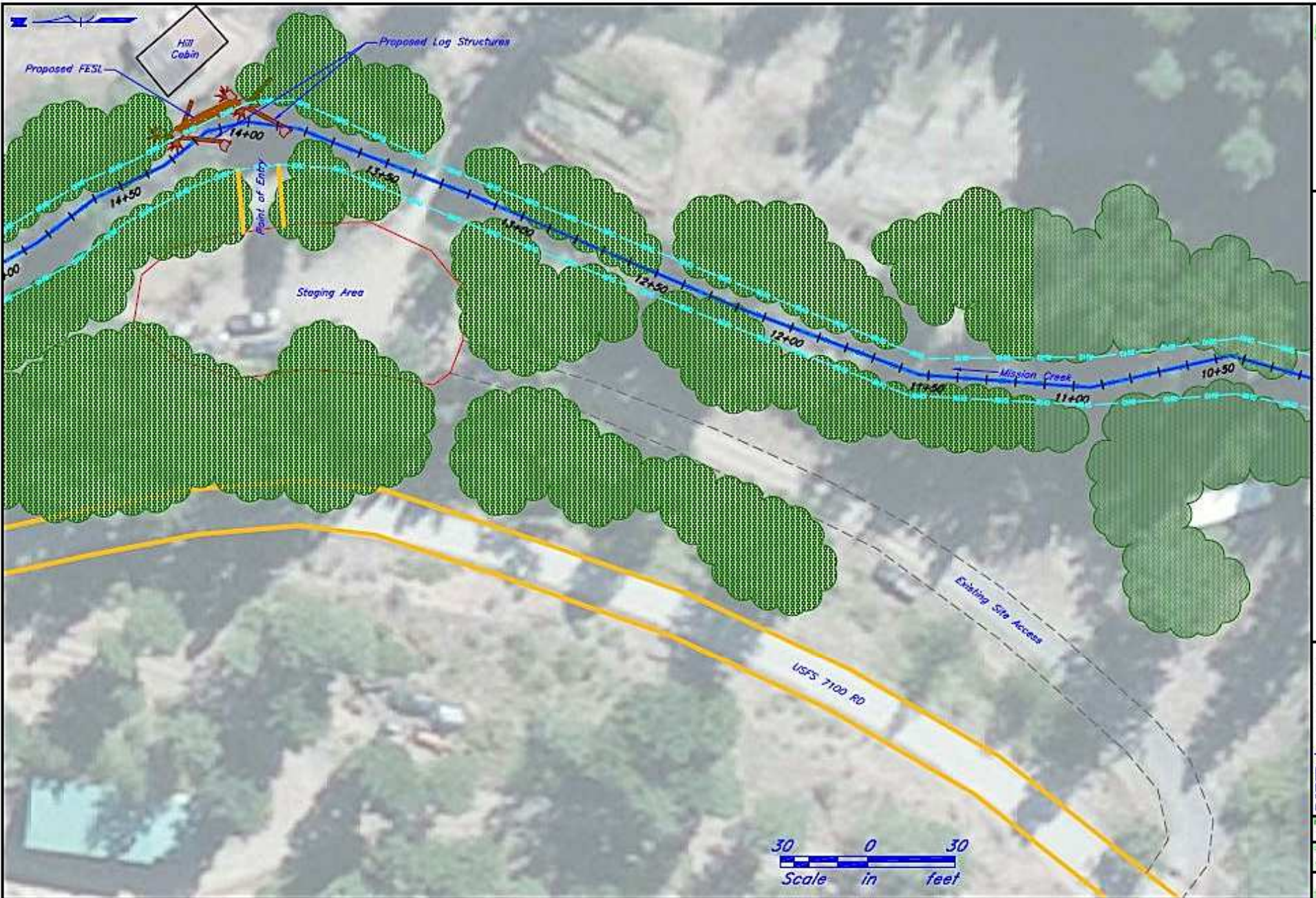
Description	Quantity	Unit
Excavation	4	CY
Earthfill -- FESL	4	CY
18"x20' Log w/o Rootwad	2	EA
18"x8' Log w/ Rootwad	2	EA
Geotextile	800	SY
3.0' Diameter Ballast Boulder	8	EA
Fabric Encapsulated Soil LTM (FESL)	.30	LF
Seeding	0.1	AC
Live Cuttings	150	EA

Project No. 2022-01  
 Date 1/27/24  
 P. Colquhoun  
 8-17-16  
 JOSEPH LANCE  
 District

**HILL EWP PROJECT**  
**CHELAN COUNTY NATURAL RESOURCES DEPARTMENT**  
 NRCS EMERGENCY WATERSHED PROTECTION PROGRAM



Project No. 2022-01  
 Project Name  
 160207\_03014



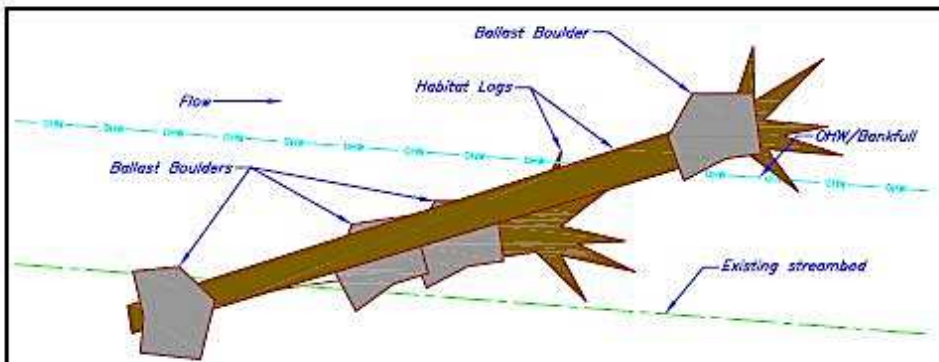
Scale	7/23/16
Project	7/23/16
Year	7/23/16
Author	P. Chulovank
Check	8-17-16
Approved	JOSPHLANE

**HILL EWP PROJECT**  
**CHELAN COUNTY NATURAL RESOURCES DEPARTMENT**  
 PROJECT LAYOUT  
 NRS EMERGENCY MAINTENED PROJECT PROJECT

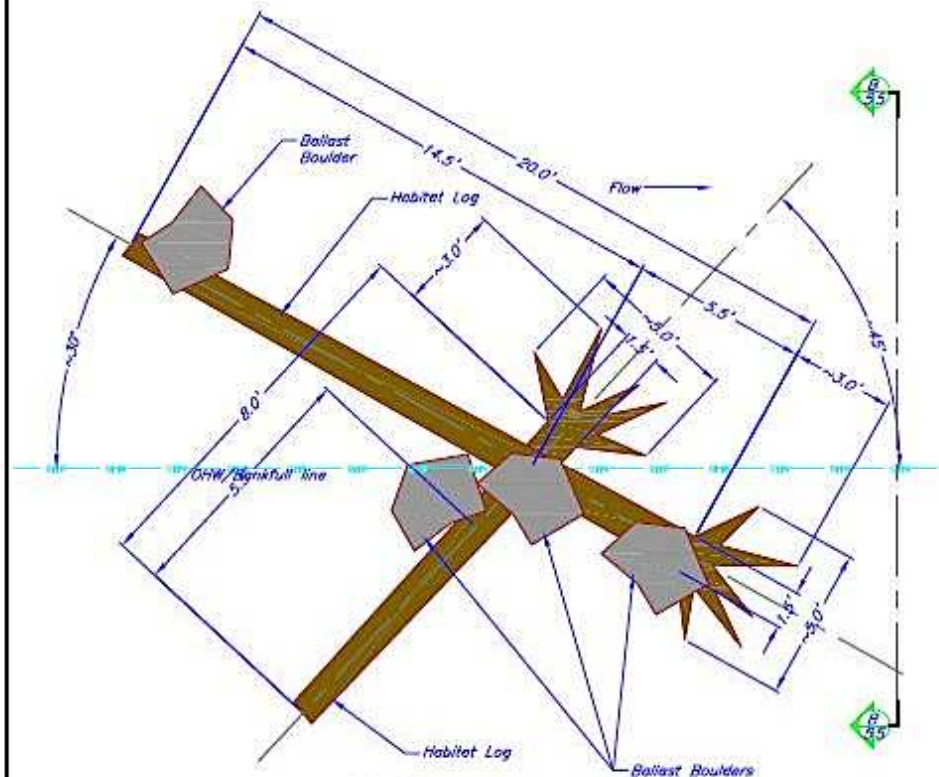
United States  
 Department of  
 Agriculture  
**USDA**  
 Natural Resources  
 Conservation Service

File Name	EW16-UC002
Task Name	160707_C3014
Date	3 4 5

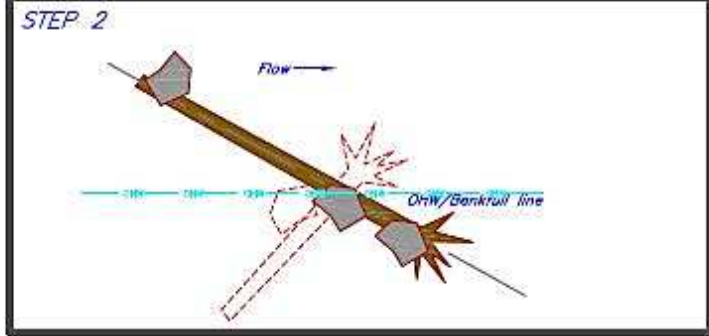
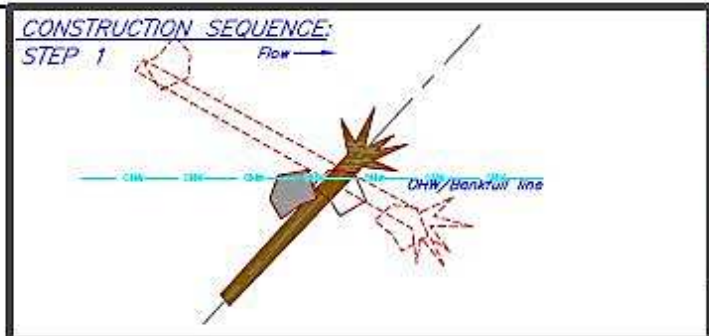




PROFILE

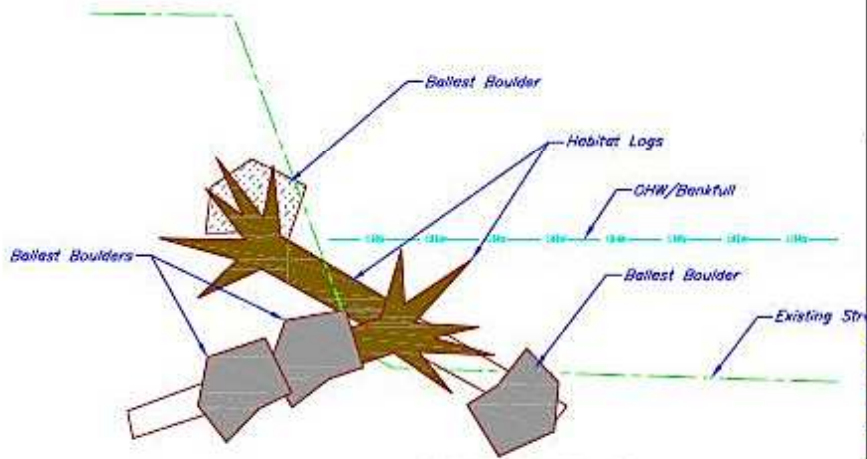


PLAN



CONSTRUCTION SEQUENCE:  
STEP 1

STEP 2



SECTION B-B

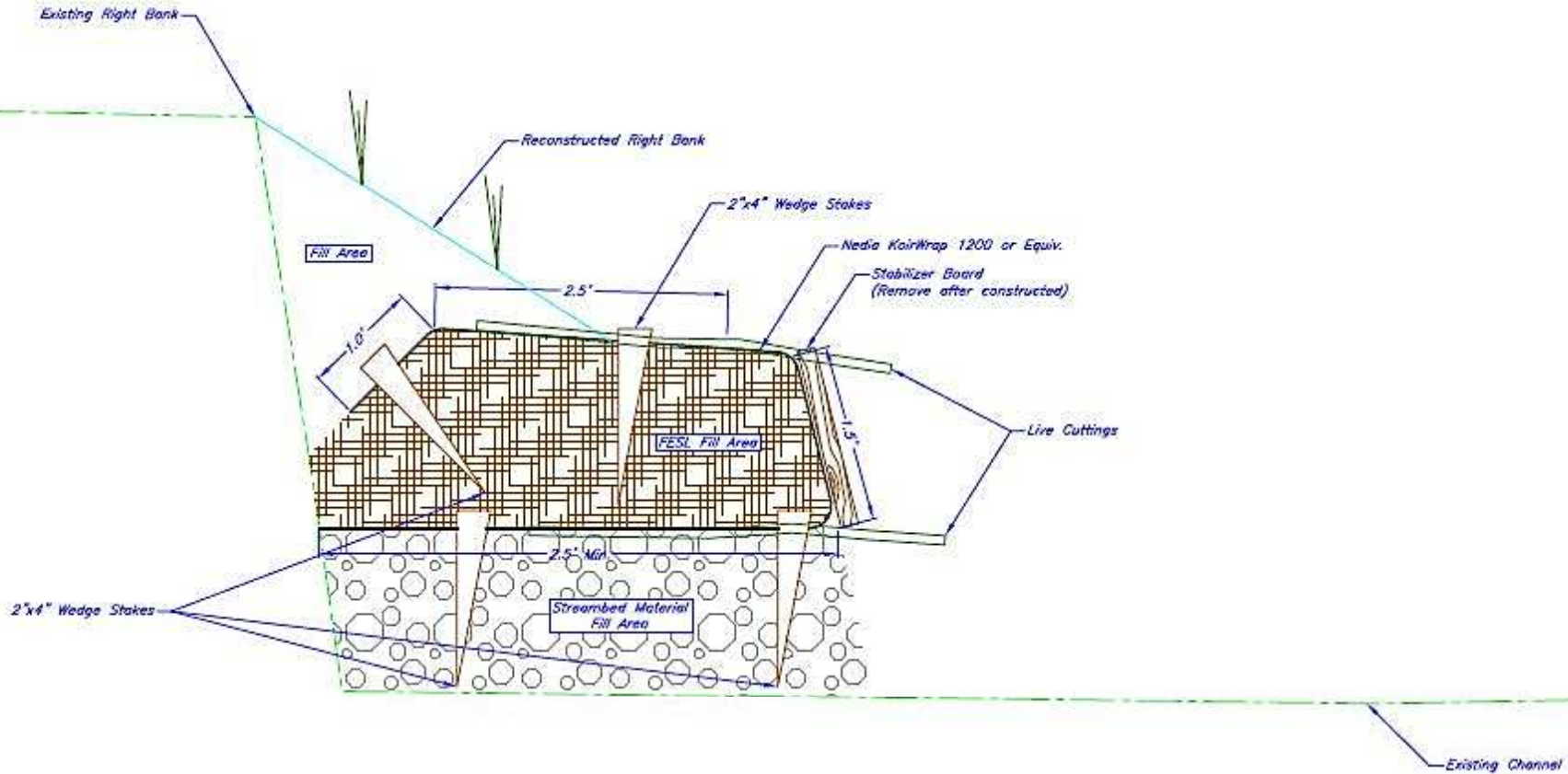
Drawn	7/22/16
Checked	7/22/16
Reviewed	8-17-16
Model	P. Coudrak
Applicant	JOSEPH LANGRISH

**HILL EWP PROJECT**  
 CHELAN COUNTY NATURAL RESOURCES DEPARTMENT  
 LOG STRUCTURE DETAIL  
 MRC'S EMERGENCY WATERSHEDS PROJECT PROJECT

United States Department of Agriculture  
**USDA**  
 Natural Resources Conservation Service

File Name: EWP16-06072  
 Drawing Name: 160707\_C3014  
 Sheet: 4 of 5

## Coir Fabric-Encapsulated Soil Lift (FESL) Detail Typical Section



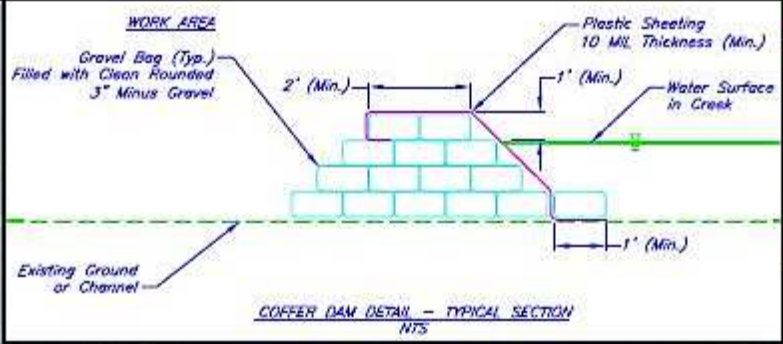
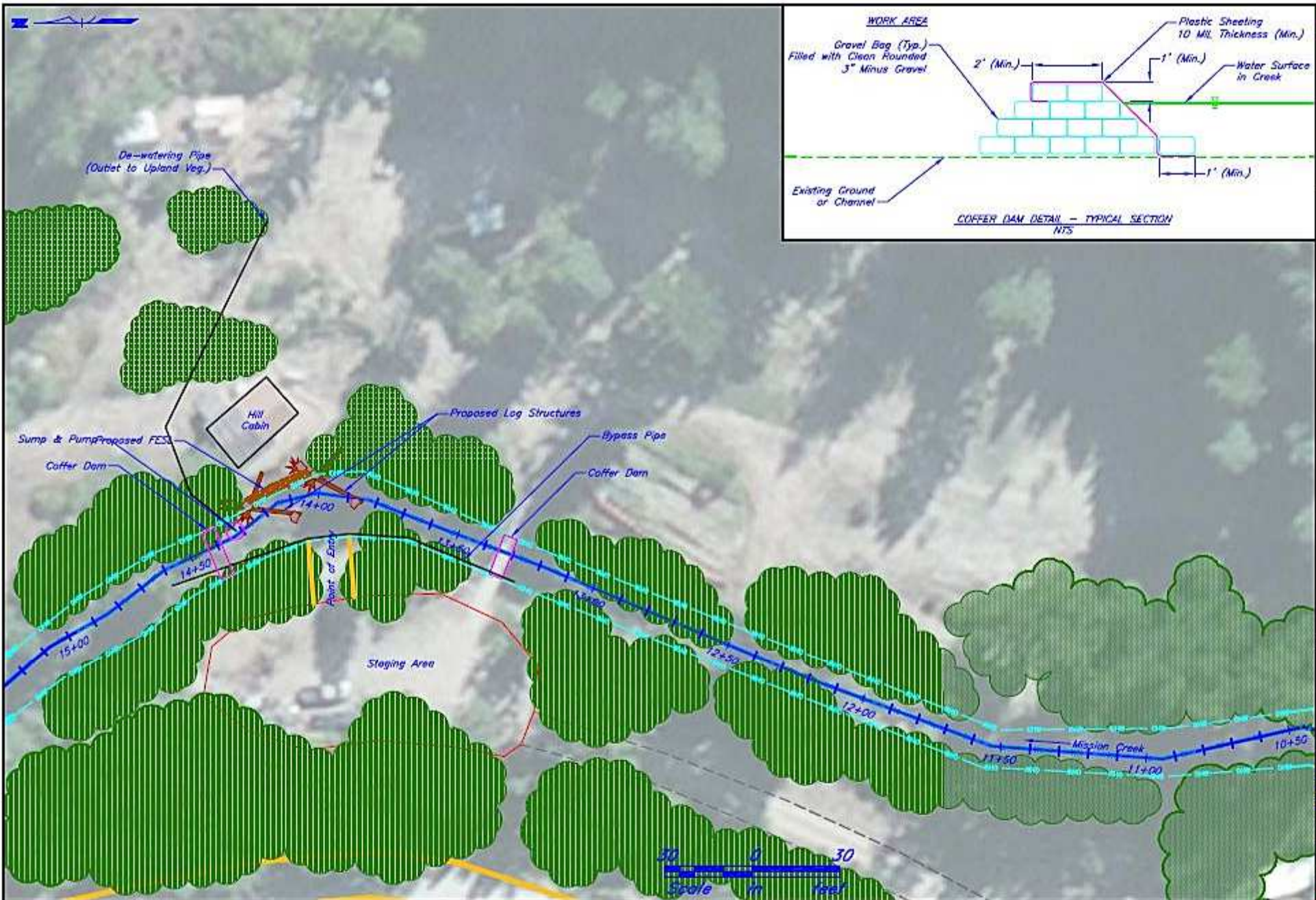
NOT TO SCALE

Date: 7/20/16  
 Project: 160707  
 Area: 160707  
 Design: P. Chukstank  
 Date: 6-17-16  
 Designer: JOSEPH LANGE

**HILL EWP PROJECT**  
 CHELAN COUNTY NATURAL RESOURCES DEPARTMENT  
 FESL DETAIL  
 NRCS EMERGENCY WATERSHED PROJECT

United States  
 Department of  
 Agriculture  
**USDA**  
 Natural Resources  
 Conservation Service

File Name: EWP16-4002  
 Project Name: 160707\_C3014  
 Date: 5/1/16



Project	HILL	2/2016	6-17-16
Drawn	JAL	2/2016	
Checked	P. Crankshaw		
Designed	JOSEPHLANE		

**HILL EWP PROJECT**  
 CHELAN COUNTY NATURAL RESOURCES DEPARTMENT  
 TEMPORARY EROSION & SEDIMENTATION PLAN  
 WACS EMERGENCY WATER-SHED PROJECT PROJECT

United States Department of Agriculture  
**USDA**  
 Natural Resources Conservation Service

File Name: 160752-CR011  
 Working Name: 160752-CR011  
 Date: 6-1-16