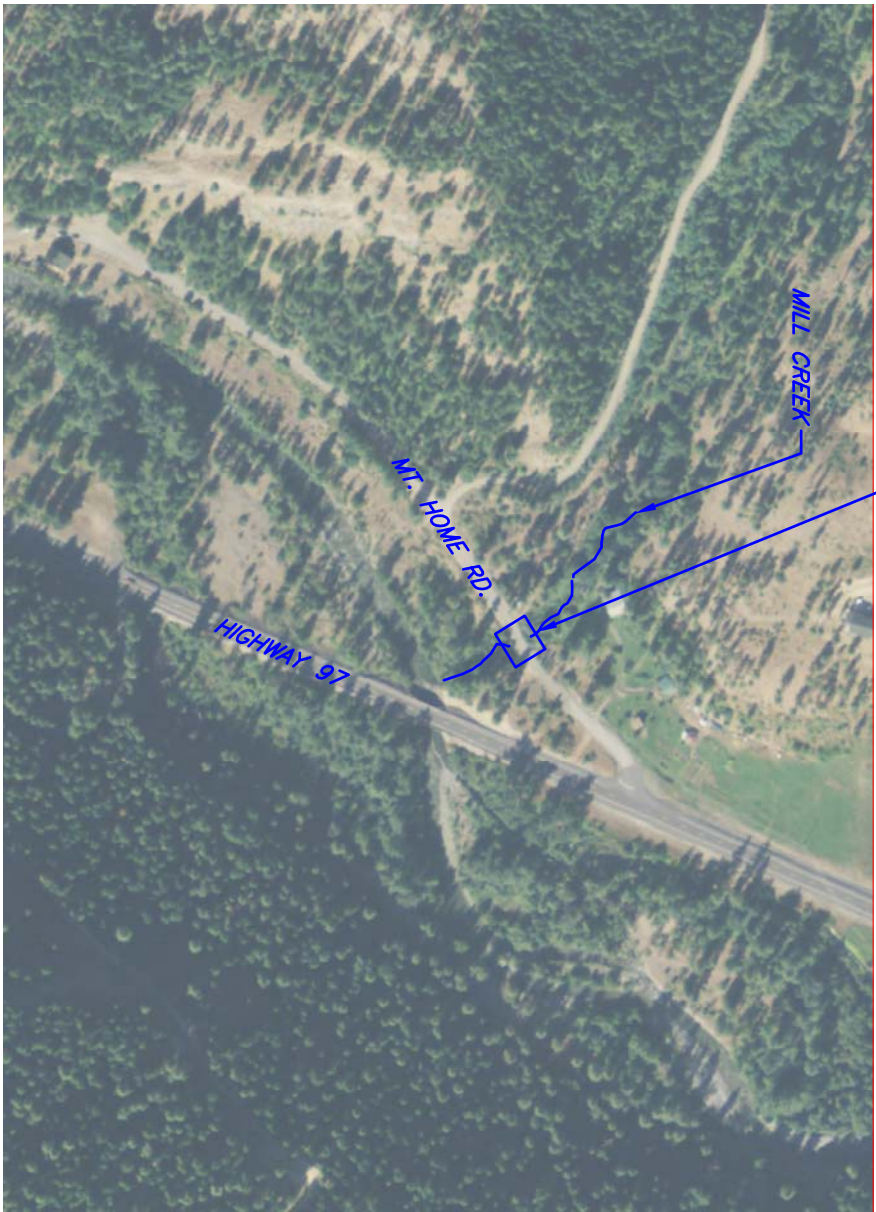
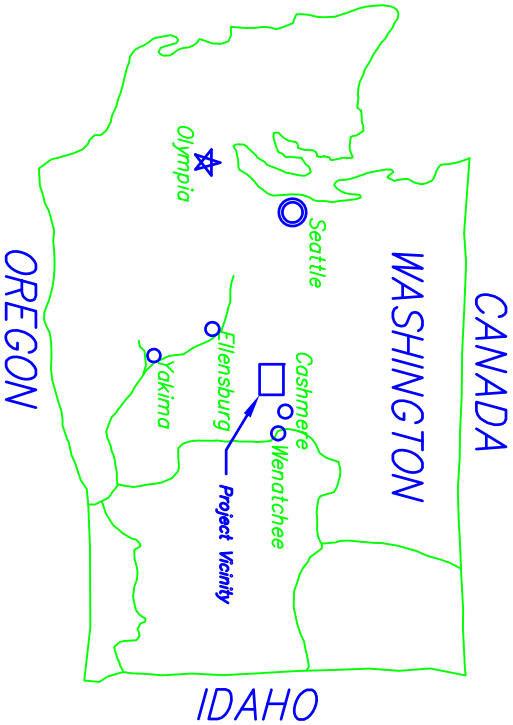
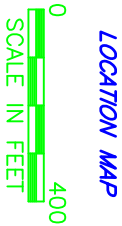
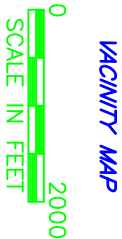


PROJECT LOCATION



PROJECT SITE



LOCATION SUMMARY
SE1/4 S6 T23N R18E
47.51143°N 120.63167°W

DRAWING LIST	
PAGE NUMBER	DESCRIPTION
1	LOCATION MAP
2	GENERAL NOTES
3	EXISTING CONDITIONS, TRAFFIC CONTROL PLAN, & DEWATERING PLAN
4	EXISTING CREEK PROFILE
5	BRIDGE & CHANNEL LAYOUT
6	SECTION DETAILS

LOCATION MAP

MILL CREEK FISH BARRIER REMOVAL

CHELAN COUNTY NATURAL RESOURCES DEPARTMENT
USFW/NRCS HABITAT RESTORATION TEAM

	Date
Designed JML	2-2013
Drawn JML	2-2013
Checked	
Approved	



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 Owner, Operator, and/or Contractor.

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.

SPECIAL NOTES:

The precast bridge units shall be handled and installed according to the manufacturer specifications.

BRIDGE:

The bridge shall be a Central Pre-Mix Prestress Company, Spokane, WA, "TriDeck" product or equivalent meeting the following requirements:

- Span = 48 feet
- Width = 30 feet
- The bridge deck shall be designed and fabricated in accordance with AASHTO Standard Specifications for Highway Bridges.
- The abutments shall be designed to support a HS-25 live load condition.
- The abutments shall be designed and precast by the bridge manufacturer.

ABUTMENT FOUNDATION:

Designed to the following minimum requirements:

- Designed in accordance with AASHTO Standard Bridge Specification for Highway Bridges, 17th Edition – 2002
- Seismic Performance Category (SPC) = A
- Horizontal ground acceleration for 10% probability of exceedance in 50 years, A=0.055
- USFS Timber Bridge Design Guide utilized for determining the HS-25 lane load.

GUARD RAILS:

Required to comply with the following minimum requirements:

A guard rail shall be included by the bridge manufacturer. An impact rated guard rail is required. The guard rail shall be a type T-101 with a TL-2 test level.

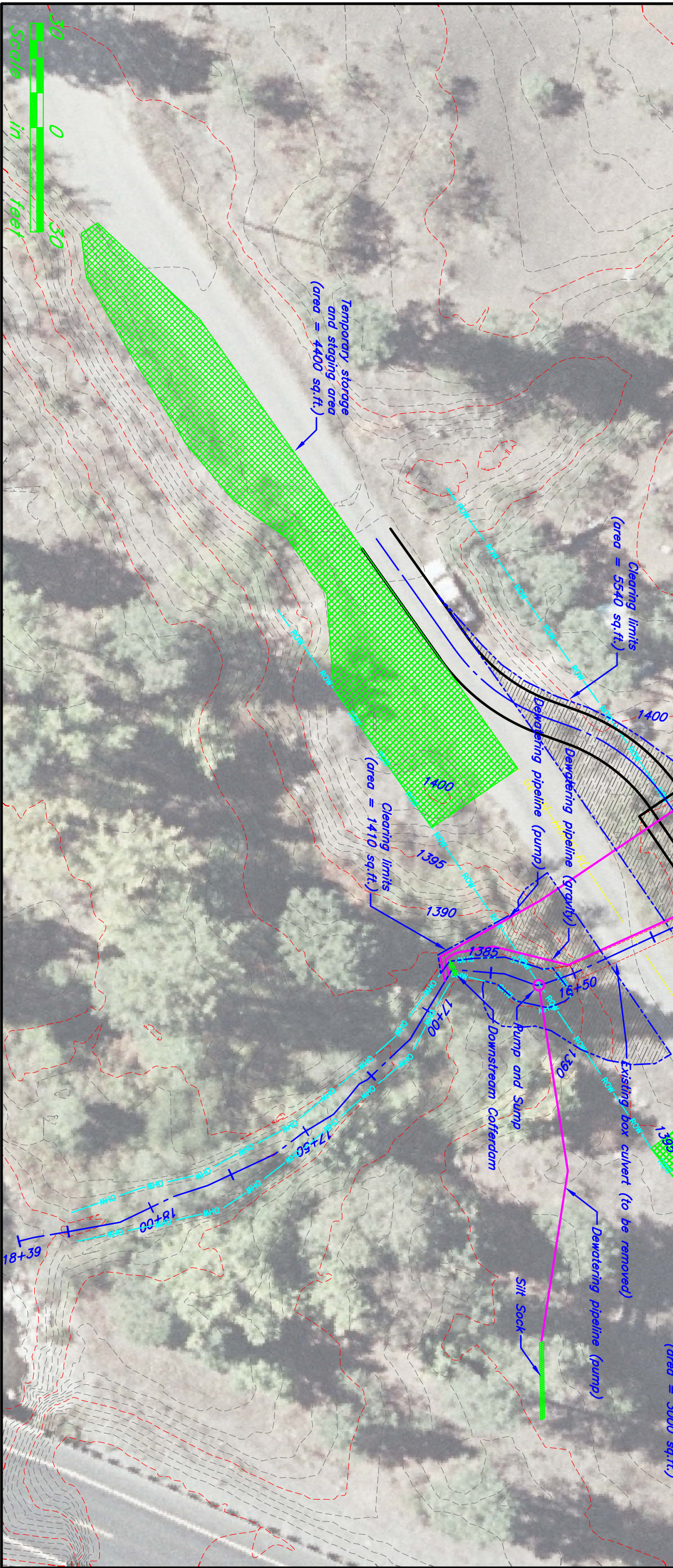
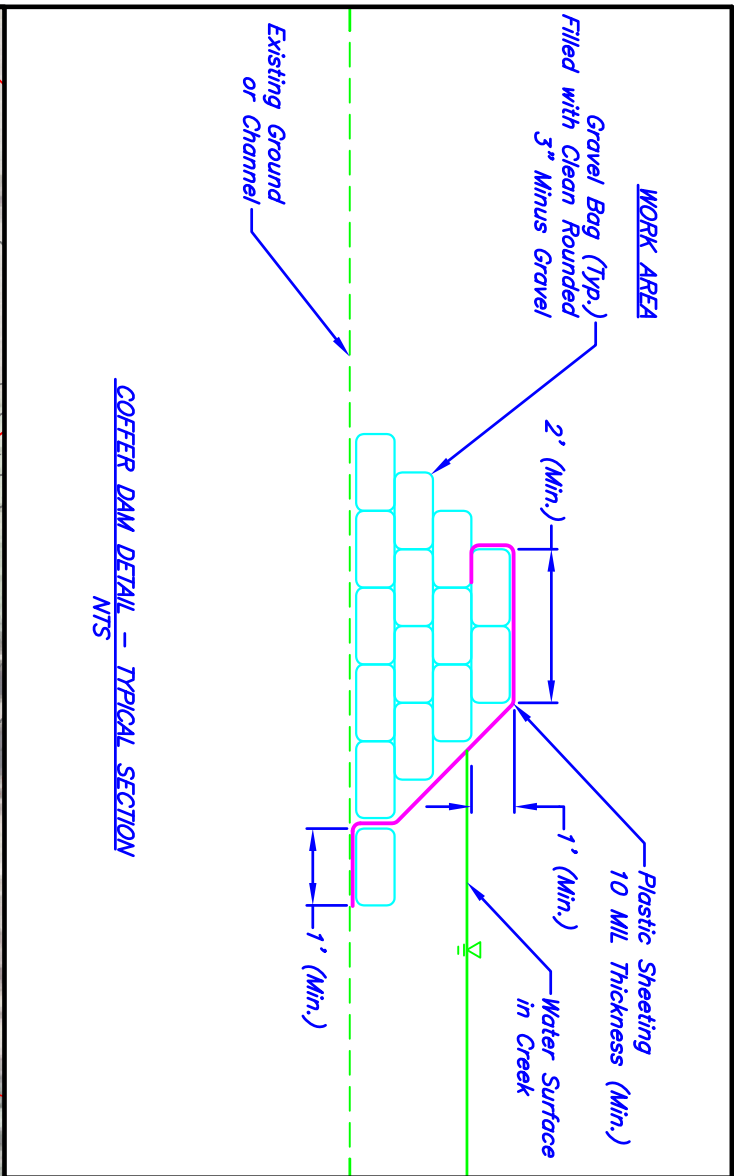
Rock Riprap Gradation		
D	Lower (in.)	Upper (in.)
100	15	24
75	14	20.5
60	13	18.5
50	12	17
40	11	16
30	9.5	14
20	8	12

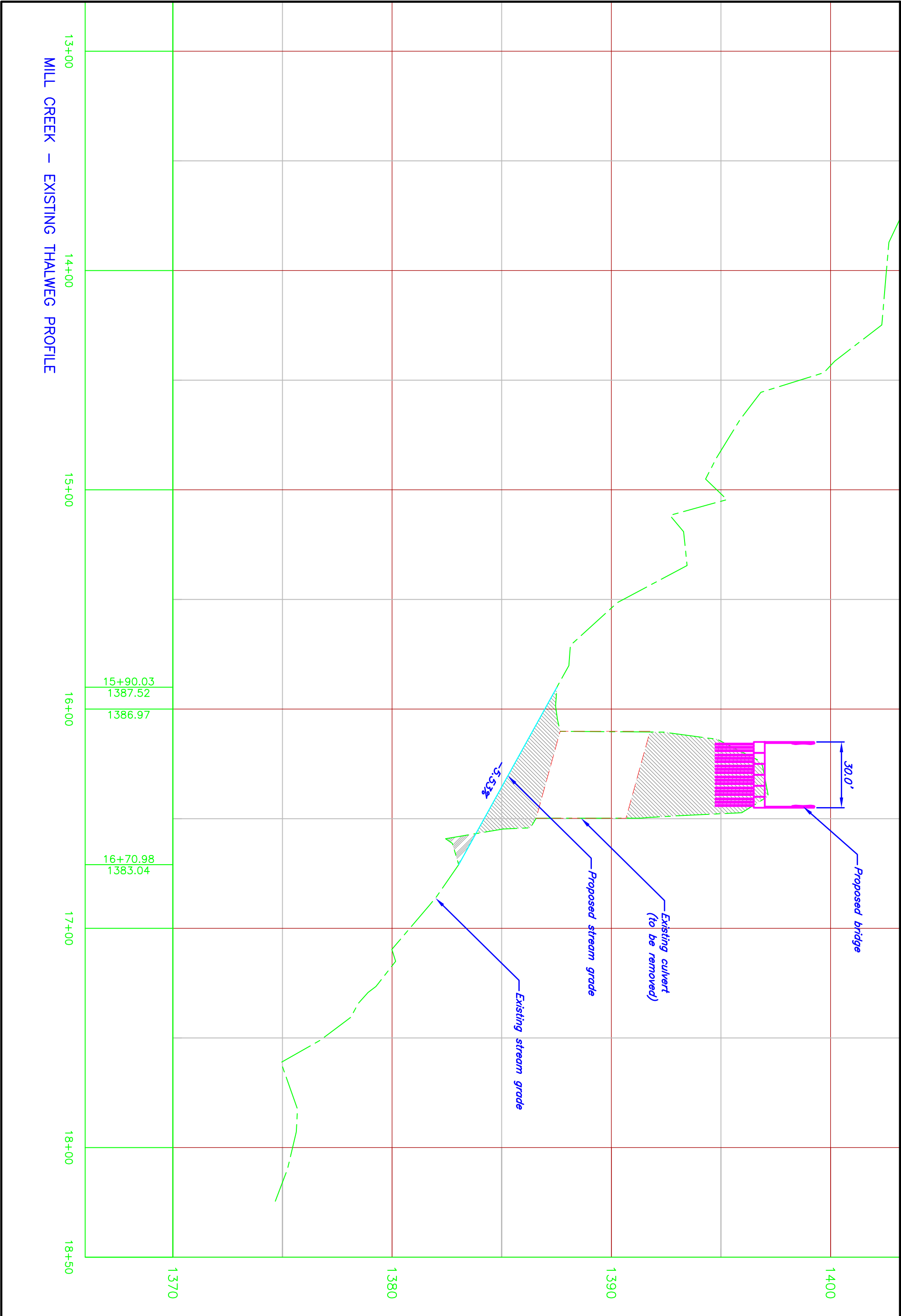
Streambed Mix Gradation		
D	Lower (in.)	Upper (in.)
100	17	22
75	10	13
50	4	7
25	1	3
10	0.06	0.11

NOTES

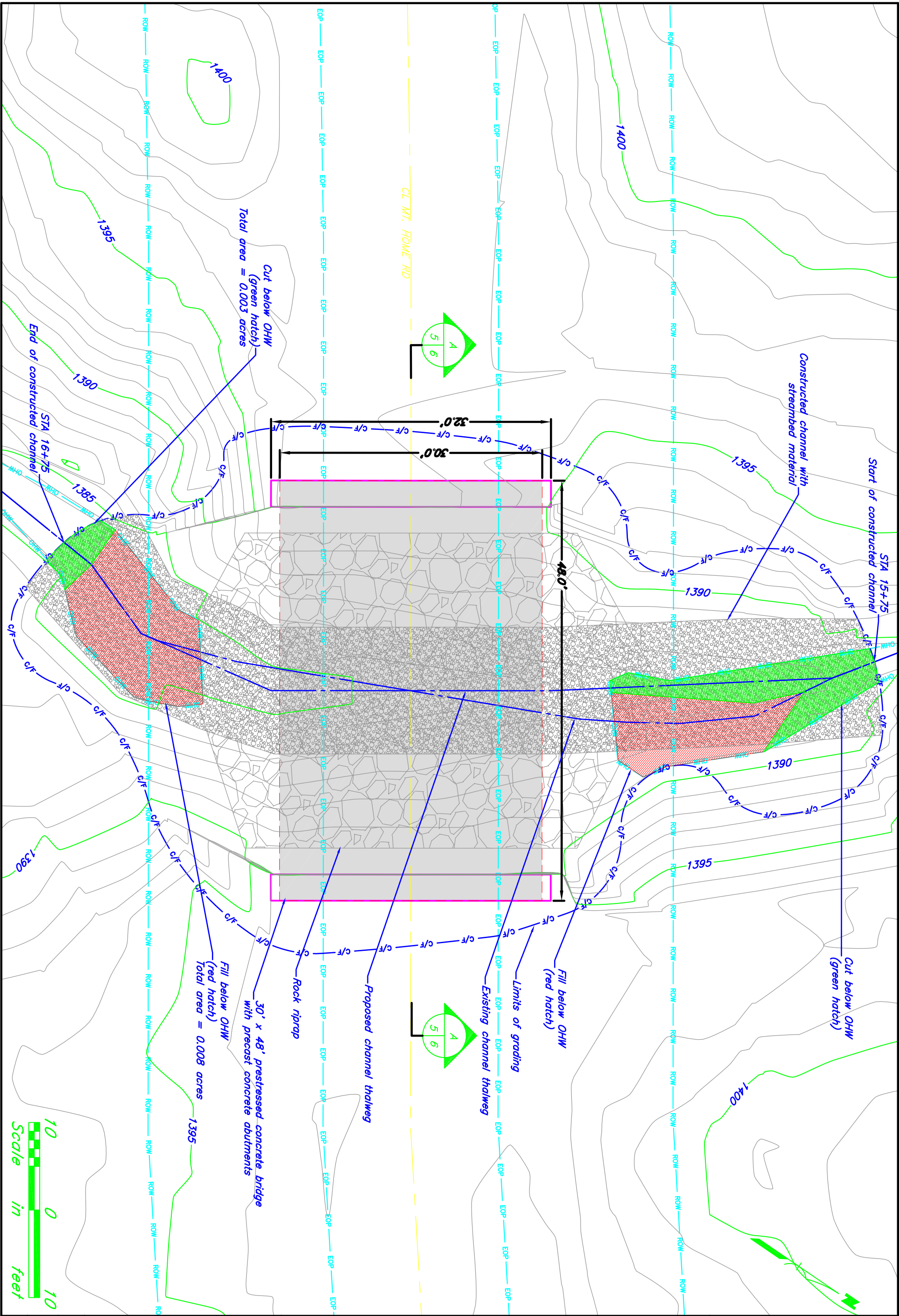
MILL CREEK FISH BARRIER REMOVAL
CHELAN COUNTY NATURAL RESOURCES DEPARTMENT
USFW/NRCS HABITAT RESTORATION TEAM



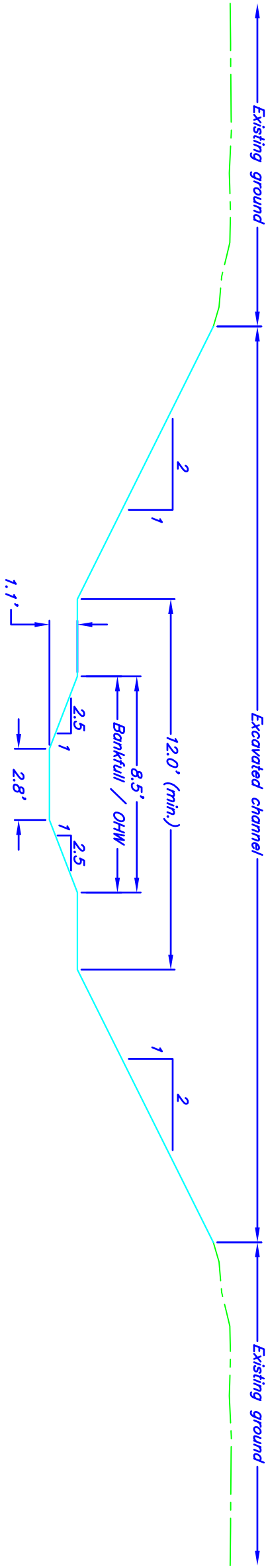
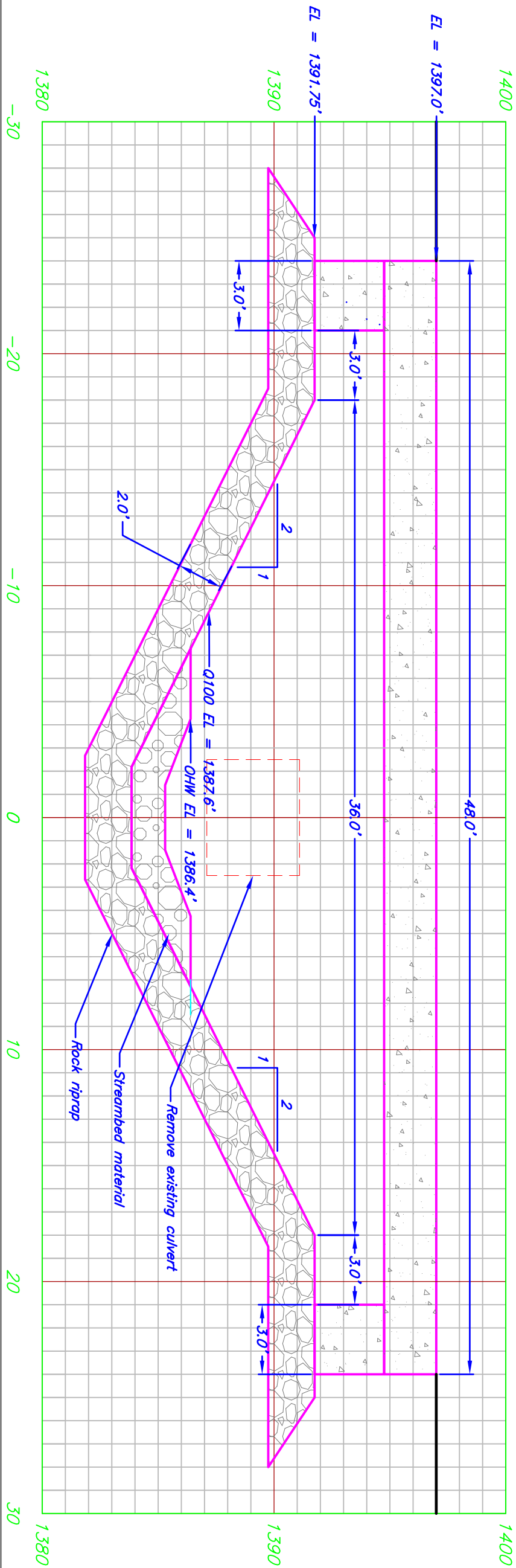




MILL CREEK – EXISTING THALWEG PROFILE



SECTION A-A : STATION 16+30, CENTERLINE MT. HOME RD

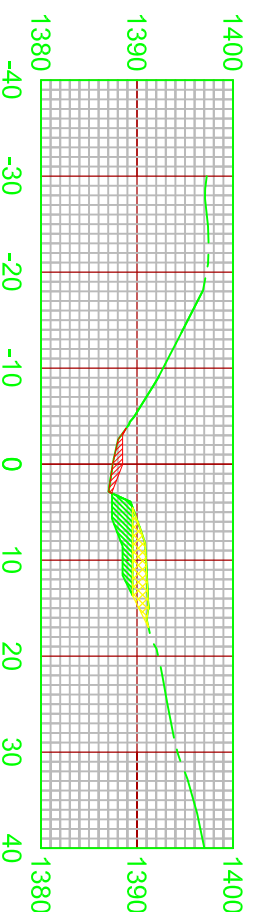
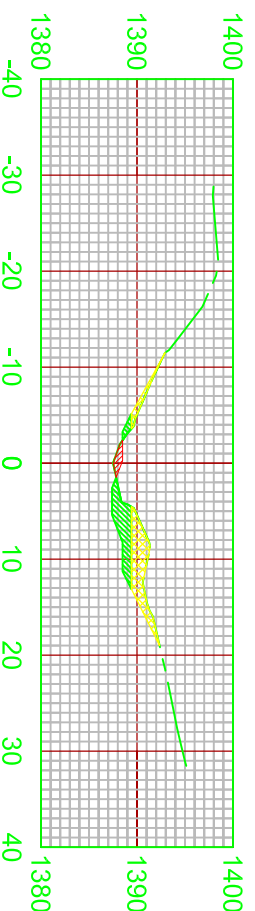
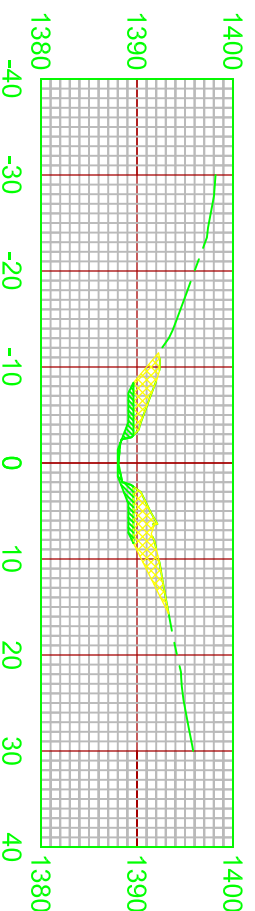
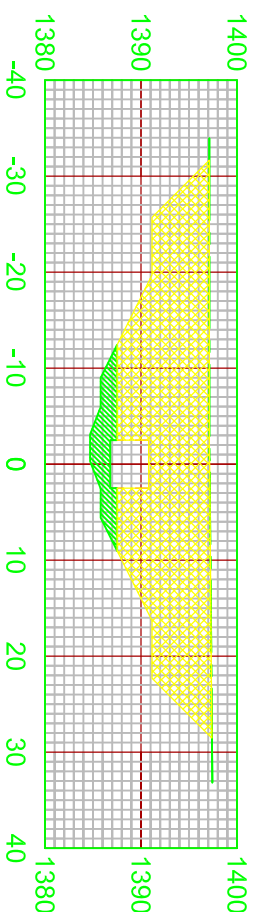
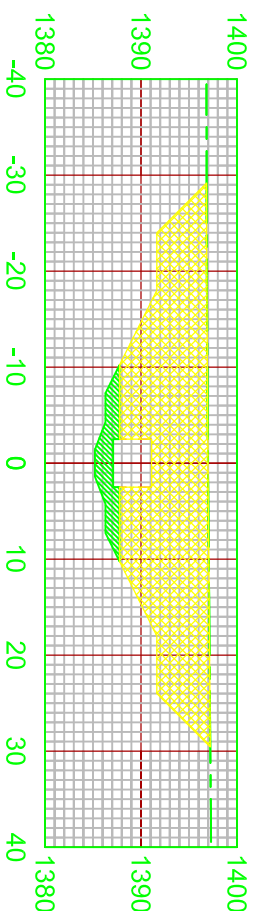
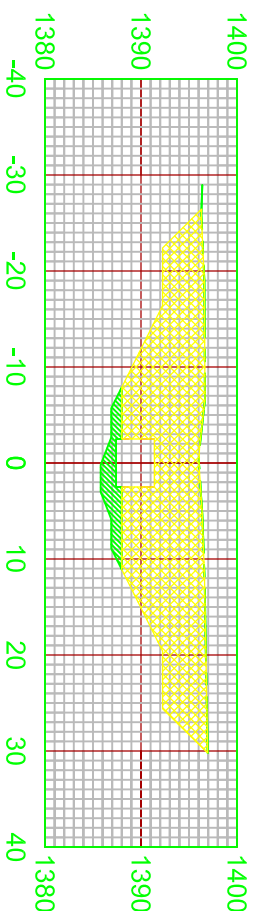
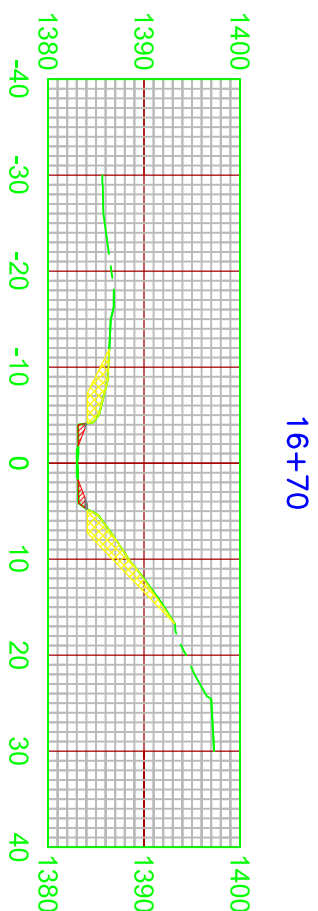
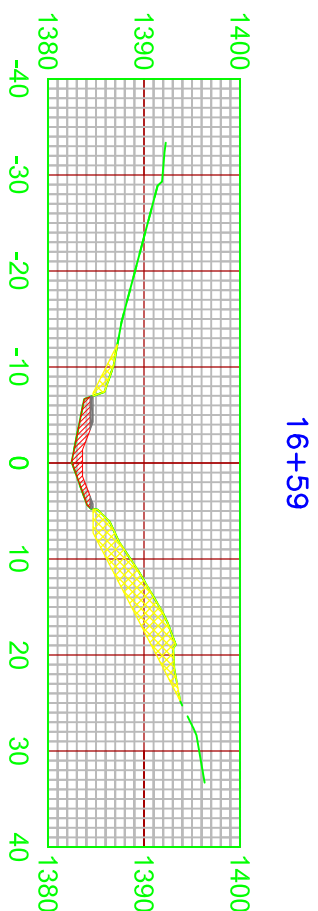


TYPICAL CHANNEL SECTION DETAIL
STA 16+05 to STA 16+55

	Date	2-2013
Designed	JML	
Drawn	JML	2-2013
Checked		
Approved		

SECTION DETAILS
MILL CREEK FISH BARRIER REMOVAL
CHELAN COUNTY NATURAL RESOURCES DEPARTMENT
USFWS/NRCS HABITAT RESTORATION TEAM





CROSS SECTIONS

MILL CREEK FISH BARRIER REMOVAL

CHELAN COUNTY NATURAL RESOURCES DEPARTMENT
USFWS/NRCS HABITAT RESTORATION TEAM



File Name

130118_C3D12.dwg

Drawing Name

WEN2012-03

Sheet 1A of 1

Date

Designed JML

Drawn JML

Checked _____

Approved _____