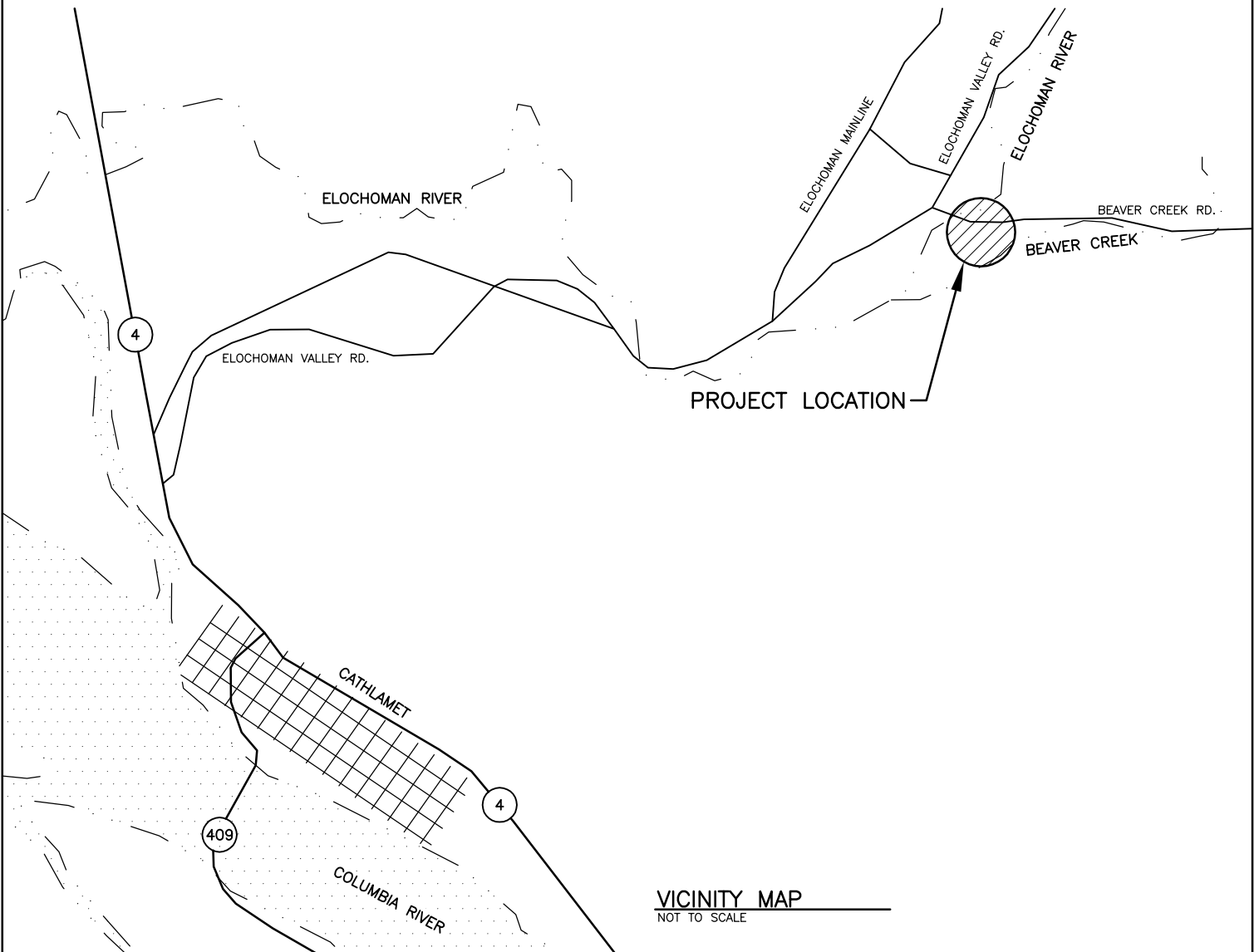


PROJECT LOCATION

STATE MAP
NOT TO SCALE



PROJECT LOCATION

VICINITY MAP
NOT TO SCALE

PURPOSE: REMOVE DEPOSITION
BLOCKING INTAKE

WASHINGTON DEPT. of FISH & WILDLIFE
600 CAPITOL WAY N.
OLYMPIA, WA 98501-1091

PROPOSED: EXCAVATE SEDIMENT BERM
RELOCATE INSTREAM TREES

DATUM: _____

ADJACENT PROPERTY OWNER:

1. _____

2. _____

ENG. PROJECT NO. WK:H126:12-1

REFERENCE NO. _____

SITE: **BEAVER CREEK HATCHERY**
ADDRESS: 28 BEAVER CREEK ROAD
CATHLAMET, WA 98612

IN: ELOCHOMAN RIVER

NEAR: CATHLAMET

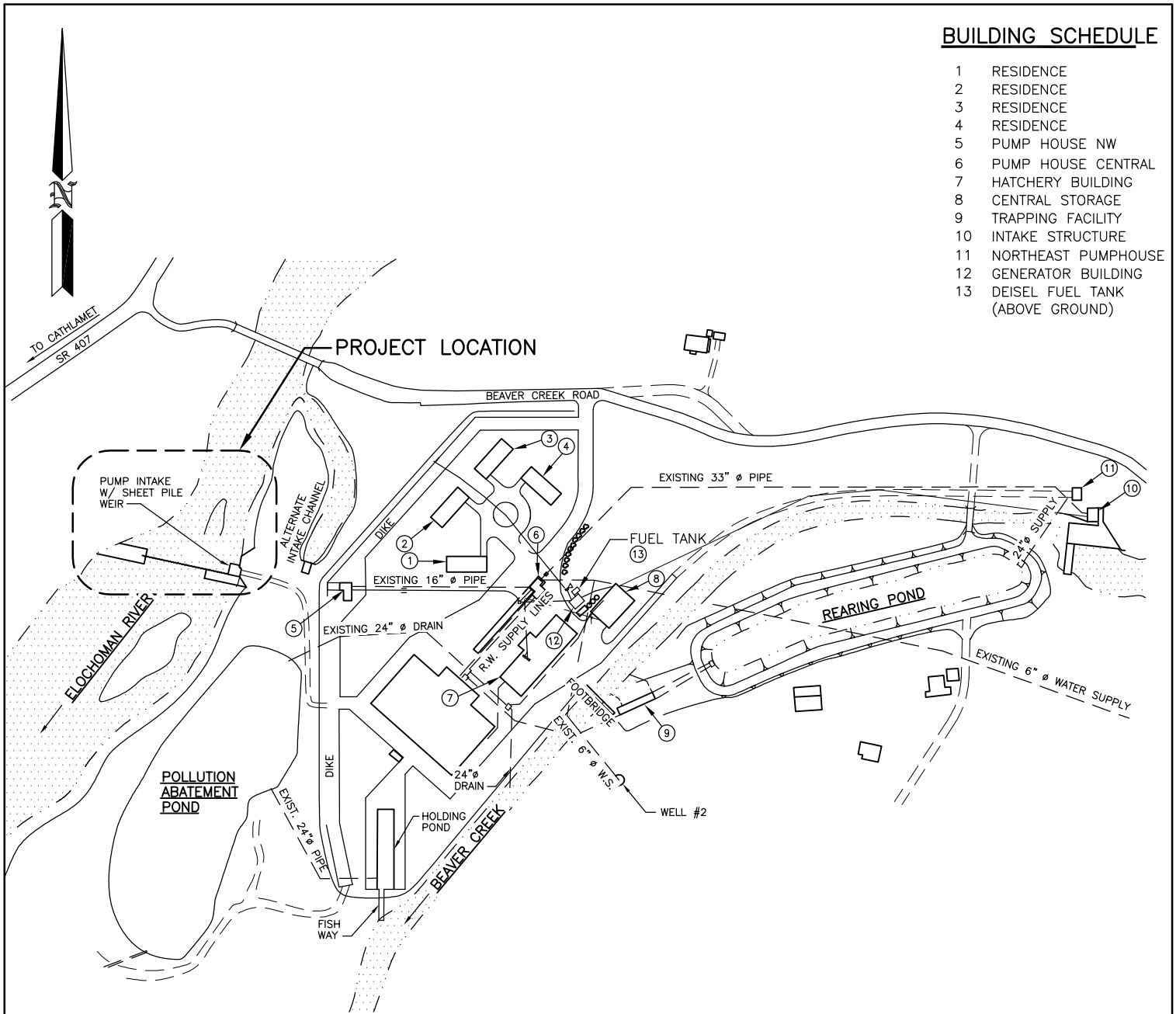
COUNTY OF: WAHKIAKUM STATE: WA

PORTION OF: SECT. 32, T 9 N, R 5 W

DATE: 2/21/2012 SHEET 1 OF 7

BUILDING SCHEDULE

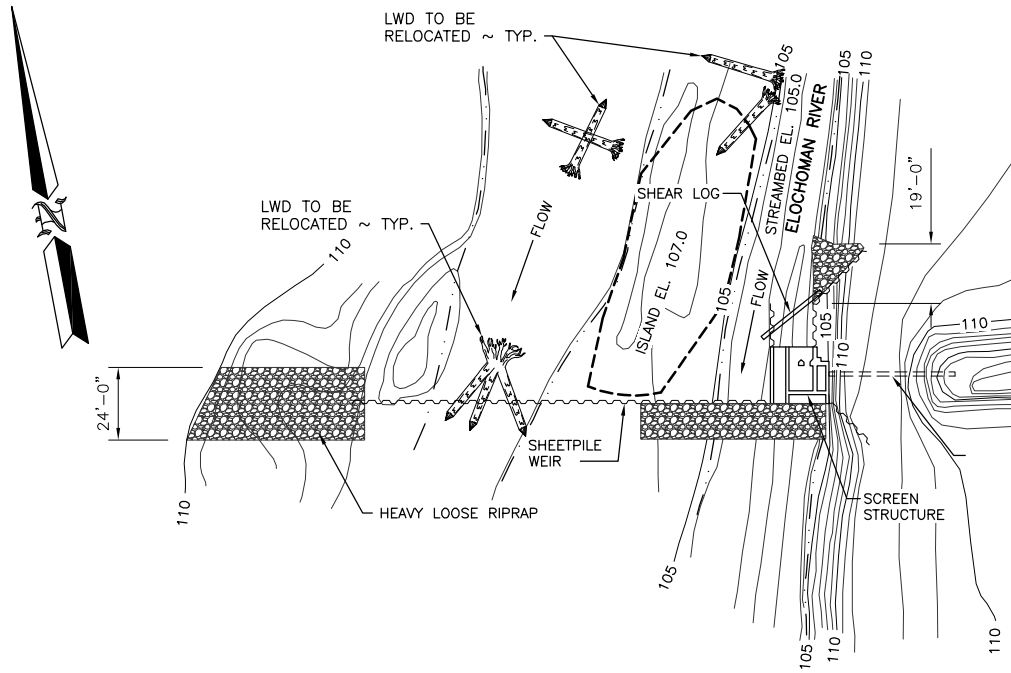
- 1 RESIDENCE
- 2 RESIDENCE
- 3 RESIDENCE
- 4 RESIDENCE
- 5 PUMP HOUSE NW
- 6 PUMP HOUSE CENTRAL
- 7 HATCHERY BUILDING
- 8 CENTRAL STORAGE
- 9 TRAPPING FACILITY
- 10 INTAKE STRUCTURE
- 11 NORTHEAST PUMPHOUSE
- 12 GENERATOR BUILDING
- 13 DIESEL FUEL TANK
(ABOVE GROUND)



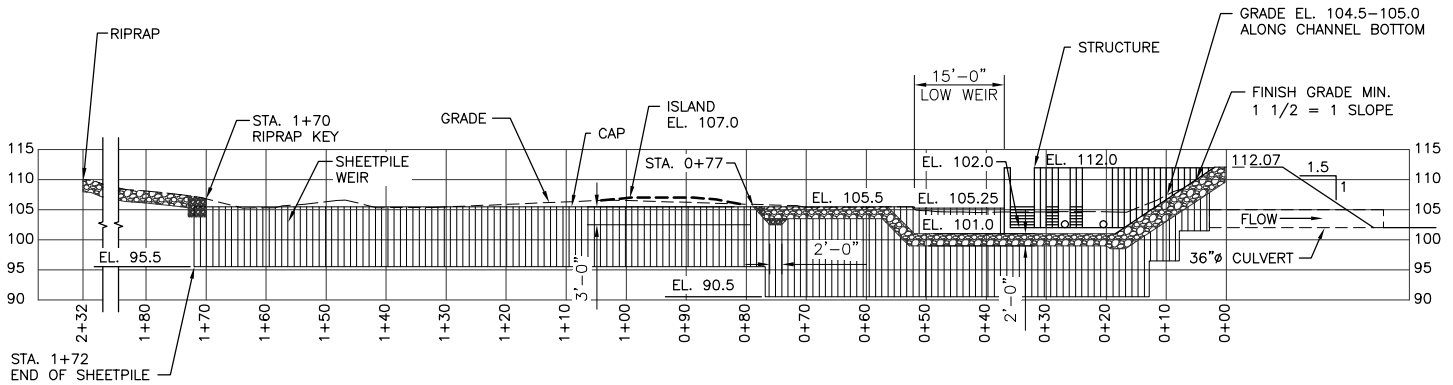
OVERALL SITE PLAN

NOT TO SCALE

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
BEAVER CREEK HATCHERY INTAKE STRUCTURE OVERALL SITE PLAN
AT: CATHLAMET _____, WASHINGTON
DATE: 2/21/2012 _____ SHEET 2 OF 7

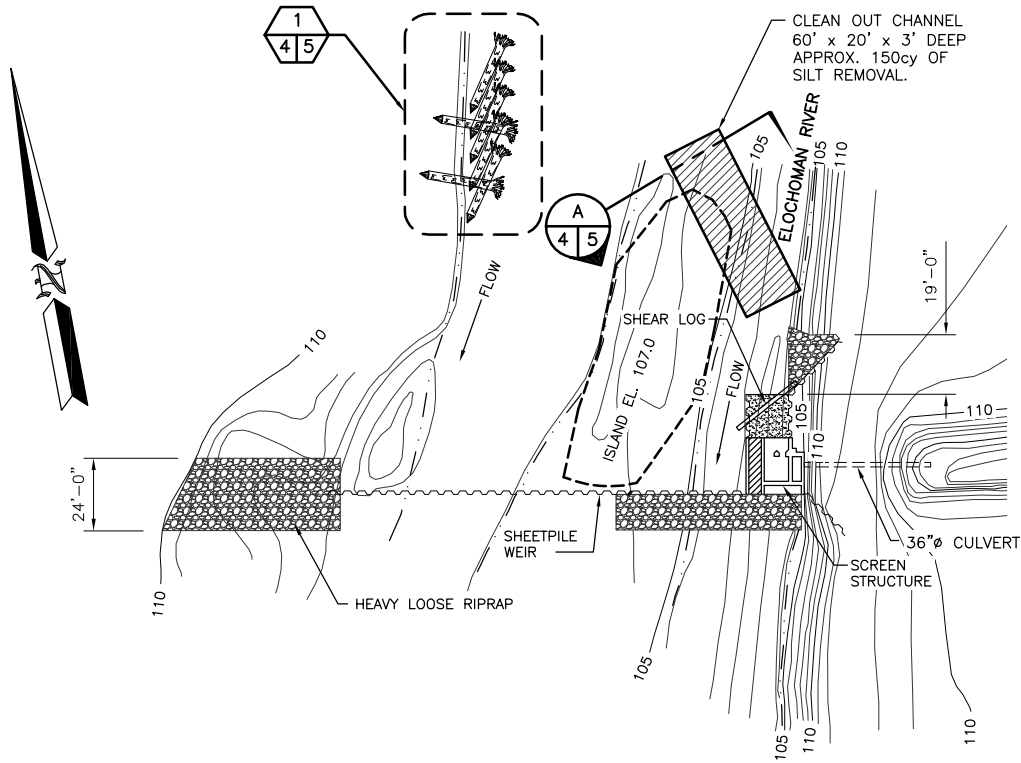


EXISTING SITE PLAN
NOT TO SCALE



EXISTING PROFILE
NOT TO SCALE

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
BEAVER CREEK HATCHERY INTAKE STRUCTURE EXISTING PLAN & PROFILE
AT: CATHLAMET _____, WASHINGTON
DATE: 2/21/2012 _____ SHEET 3 OF 7

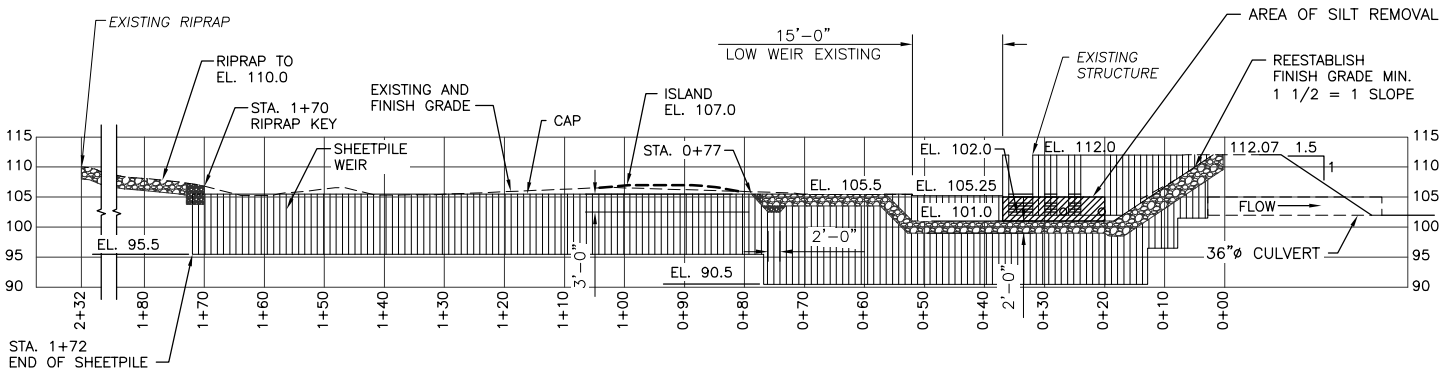


PROPOSED PLAN

NOT TO SCALE

NOTE:

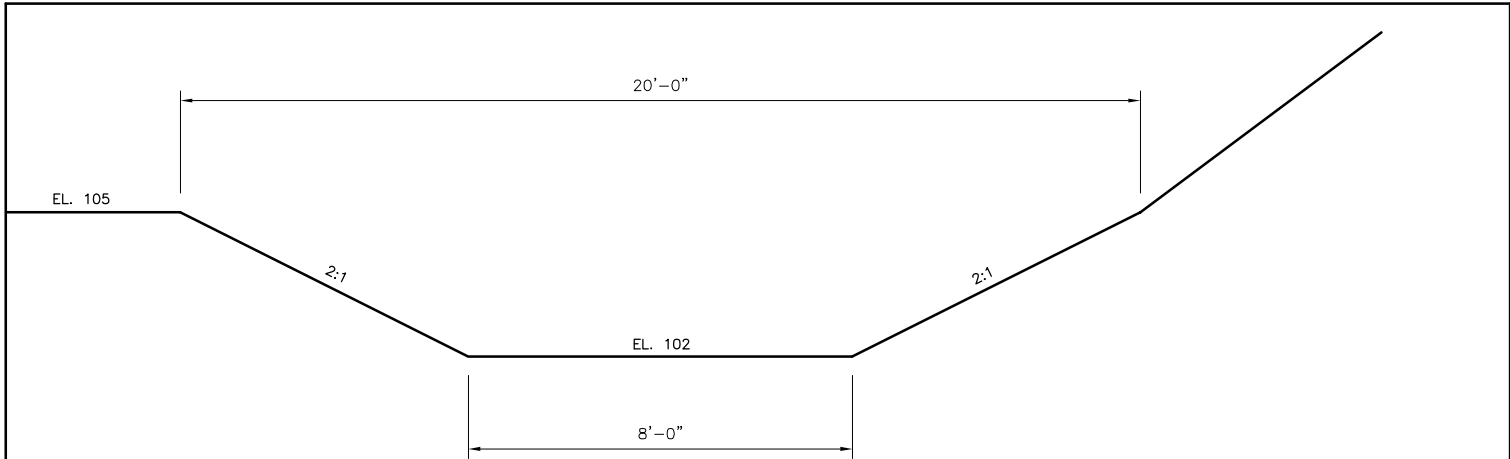
1. 150cy SILT MATERIAL EXCAVATED TO RESTORE INTAKE.
2. 10cy SMALL WOODY DEBRIS RELOCATED DOWNSTREAM.



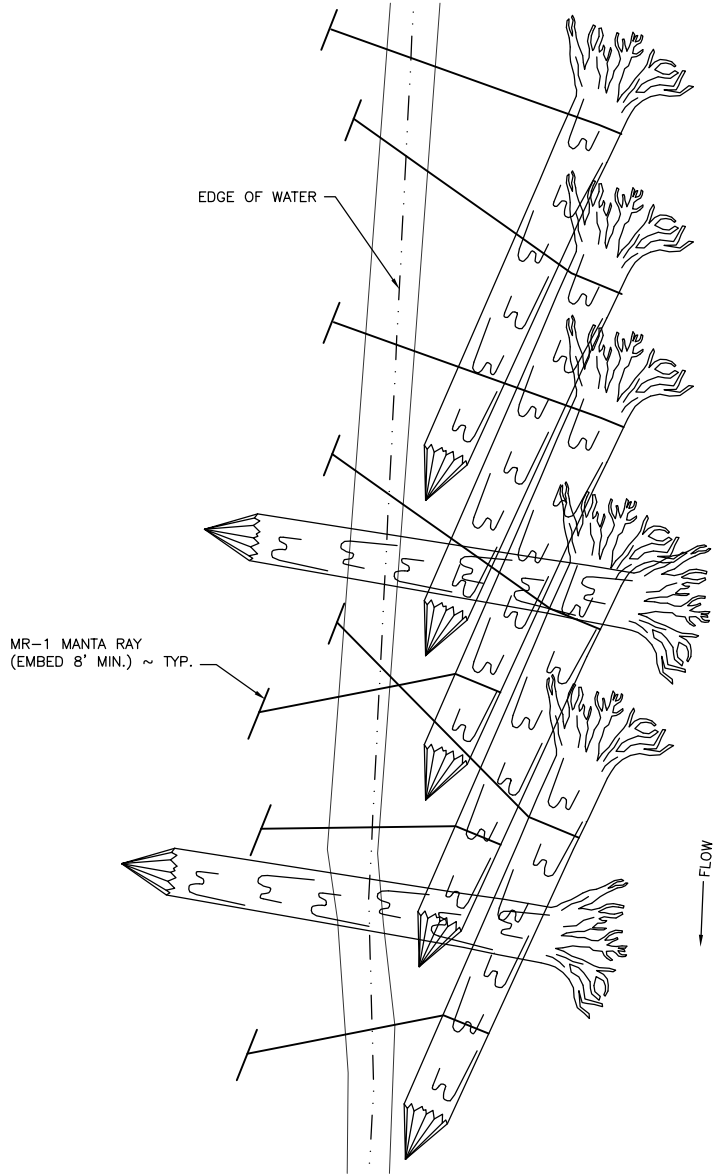
PROPOSED PROFILE

NOT TO SCALE

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
BEAVER CREEK HATCHERY INTAKE STRUCTURE PROPOSED PLAN & PROFILE
AT: CATHLAMET _____, WASHINGTON
DATE: 2/21/2012 _____ SHEET 4 OF 7



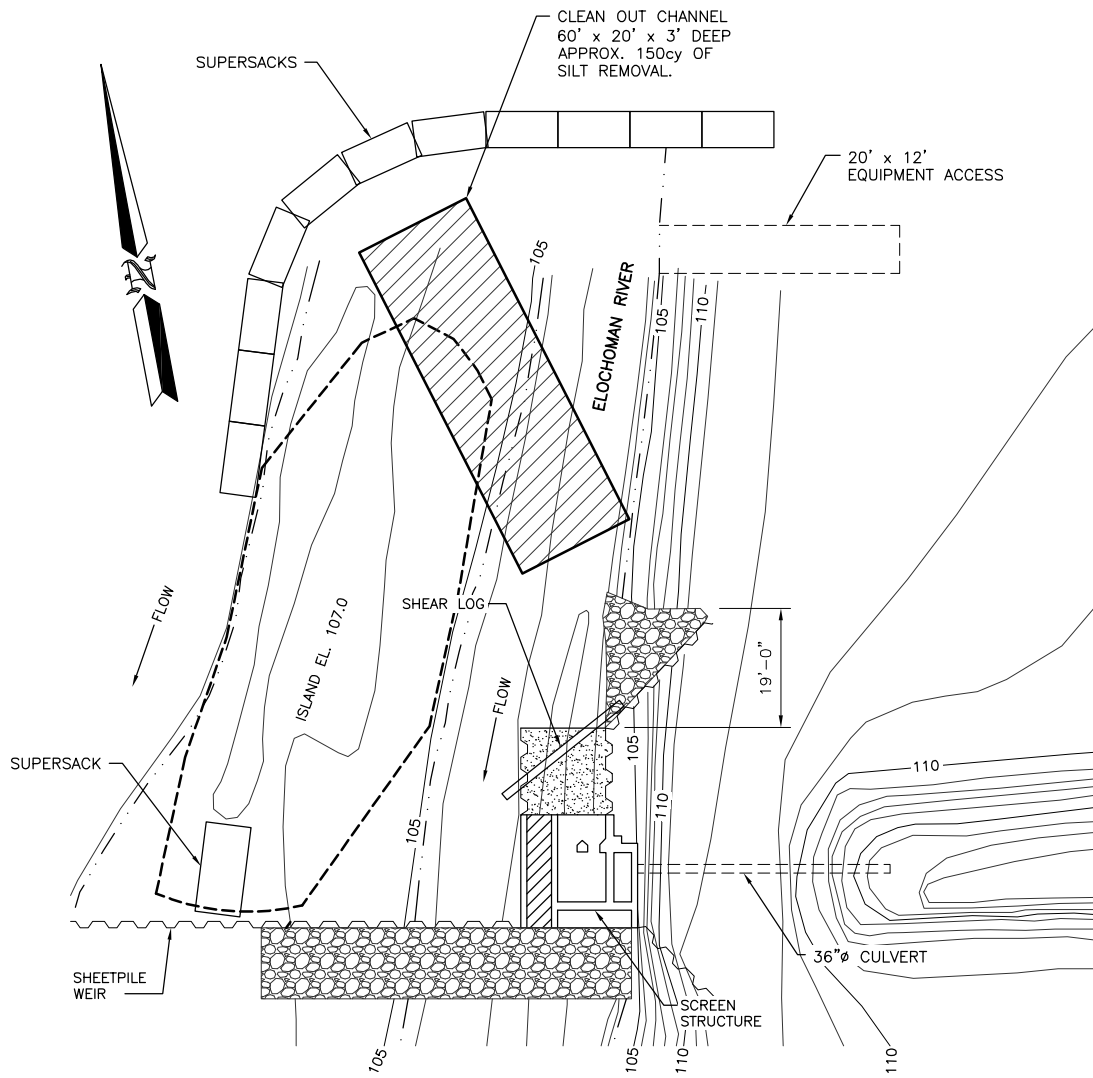
SECTION
SCALE: 1/4" = 1'-0"
A
4 5



TREE RELOCATION DETAIL
NOT TO SCALE
1
4 5

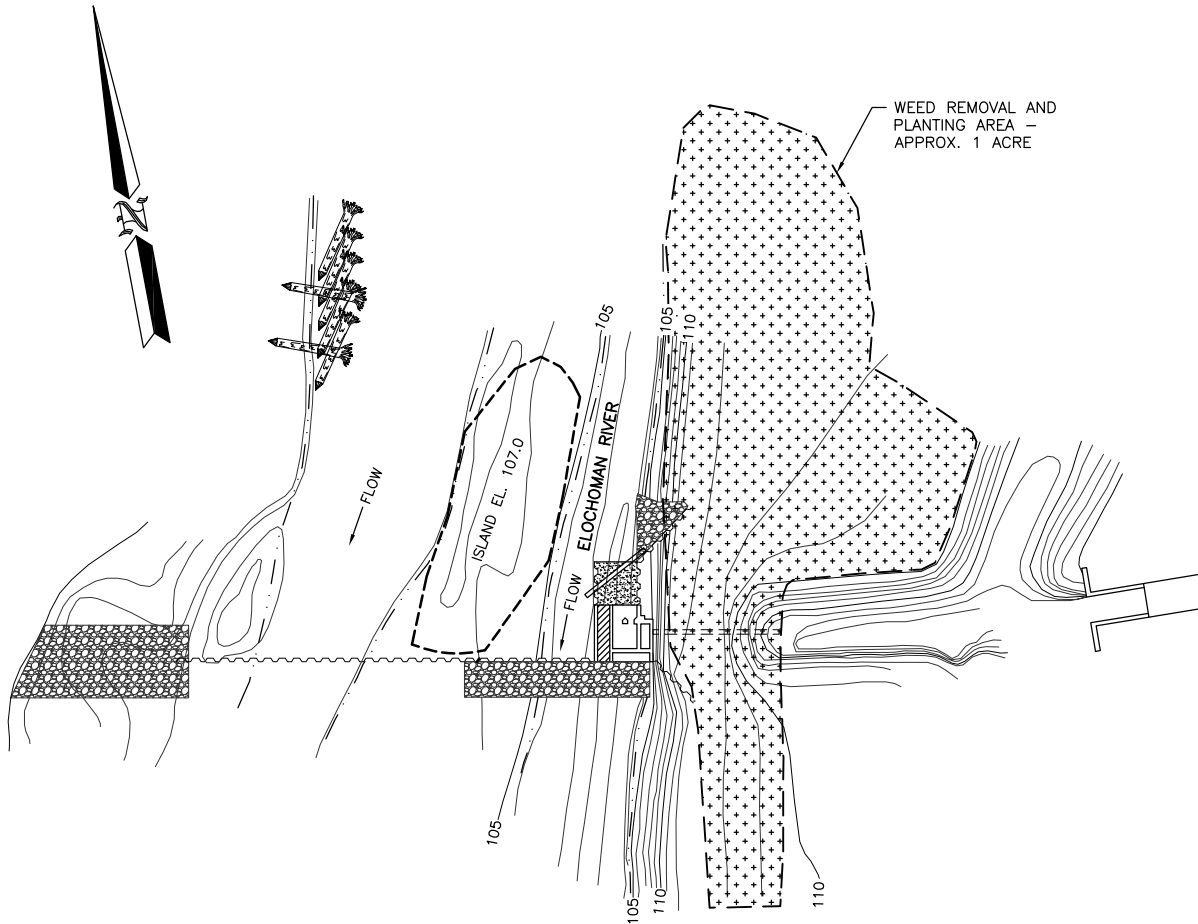
- NOTE:**
- 5-7 TREES SHALL BE MOVED AND INSTALLED ON THE WEST BANK.
 - MR-1 EARTH ANCHORS WITH 1/2" LONG LINK GALVANIZED DECK LASHING CHAIN STAPLED 2 PLACES EACH (MIN.) & SCREW PIN SHACKLES - EMBED ANCHOR MIN. DEPTH 8 FT OR DEEPER AS NEEDED TO PROVIDE MINIMUM 10,000 LB PULLOUT STRENGTH. (TYP.)

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
BEAVER CREEK HATCHERY INTAKE STRUCTURE DETAIL & SECTION
AT: CATHLAMET _____, WASHINGTON
DATE: 2/21/2012 _____ SHEET 5 OF 7



DEWATERING PLAN
NOT TO SCALE

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
BEAVER CREEK HATCHERY INTAKE STRUCTURE DEWATERING PLAN
AT: <u>CATHLAMET</u> , WASHINGTON
DATE: <u>2/21/2012</u> SHEET <u>6</u> OF <u>7</u>



MITIGATION PLAN

NOT TO SCALE

NOTE:

KNOTWEED INFESTATION IN MITIGATION AREA WILL BE MANUALLY CONTROLLED BEFORE PLANTING OCCURS IN FALL.

PLANTING SCHEDULE:

DOUGLAS FIR	100 TREES - 6 FT CENTERS MINIMUM
WESTERN RED CEDAR	100 TREES - 6 FT CENTERS MINIMUM
SITKA SPRUCE	100 TREES - 6 FT CENTERS MINIMUM
RED OSIER DOGWOOD	100 TREES - 4 FT CENTERS MINIMUM
PACIFIC NINEBARK	100 TREES - 4 FT CENTERS MINIMUM
WILLOW SPECIES	200 CUTTINGS - 2 FT CENTERS MINIMUM

TOTAL AREA = 43,560 SQUARE FEET

REFERENCE NO. _____

APPLICANT:

WASHINGTON DEPT. of FISH & WILDLIFE

BEAVER CREEK HATCHERY

INTAKE STRUCTURE

PLANTING PLAN

AT: CATHLAMET _____, WASHINGTON

DATE: 2/21/2012 SHEET 7 OF 7