

## **Appendix A – Figures and Photos**

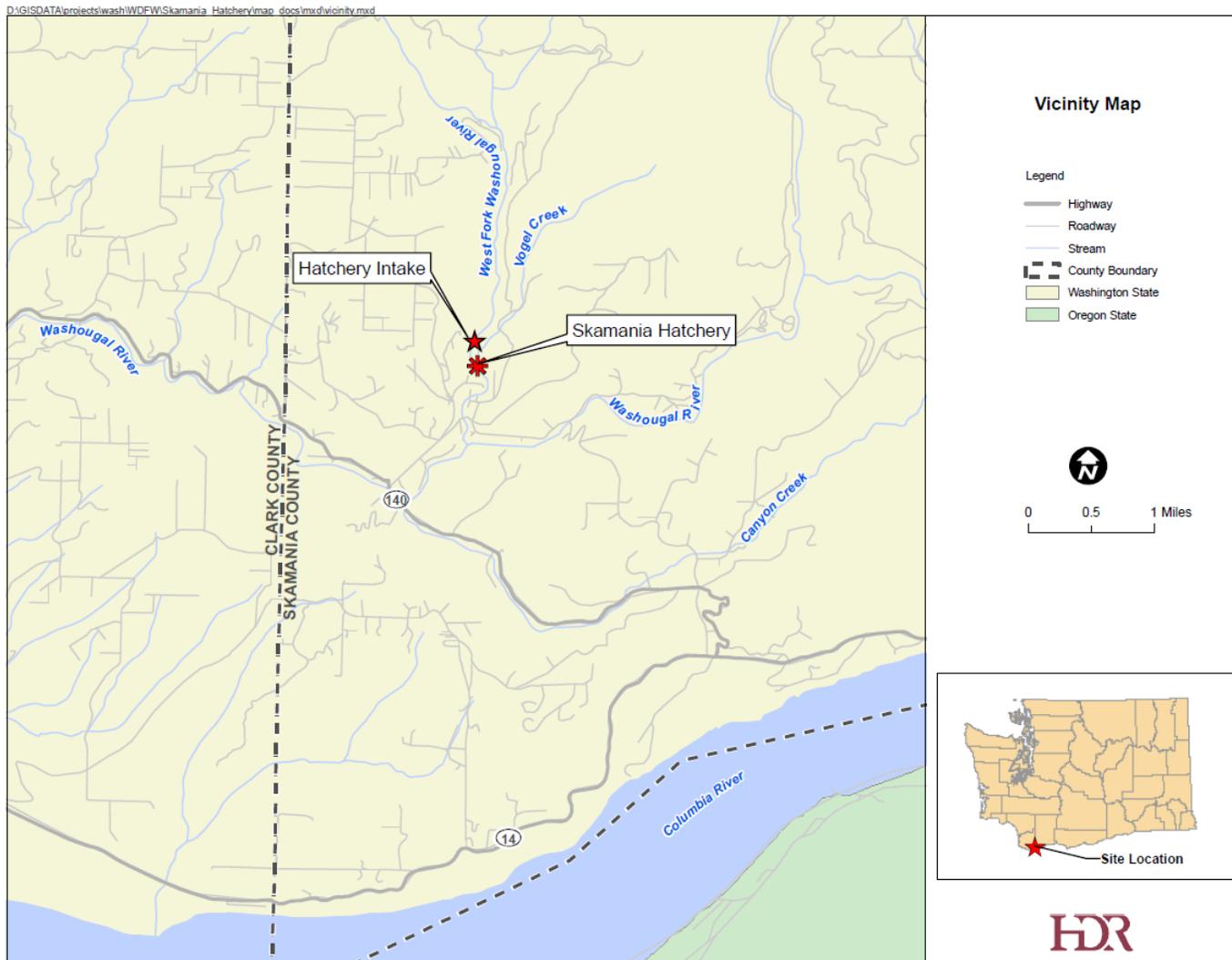


Figure 1. Vicinity map, showing Skamania Hatchery location.



Figure 2. Aerial photo of the project site, showing intake location and hatchery.

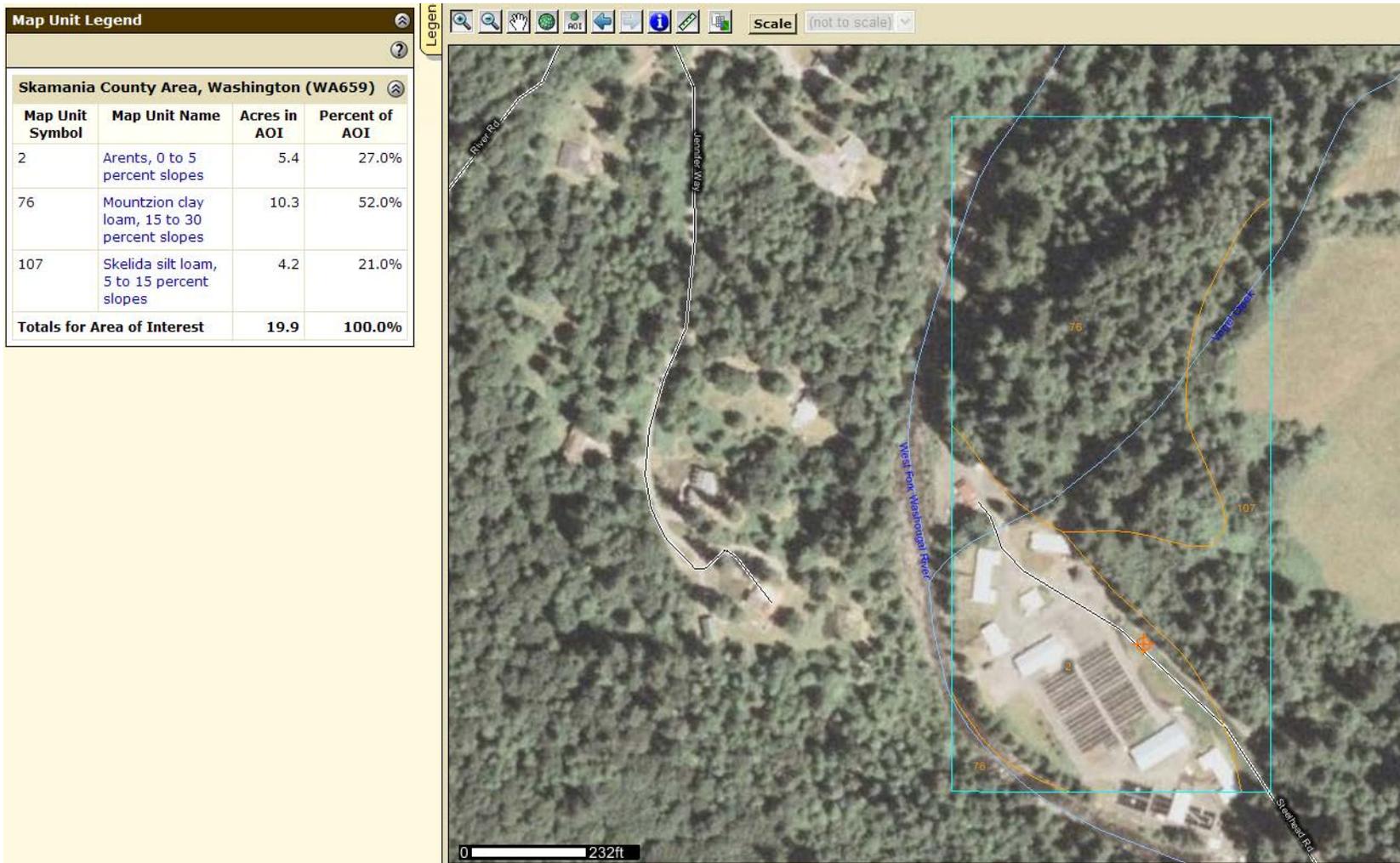


Figure 3. Soil map of project location.

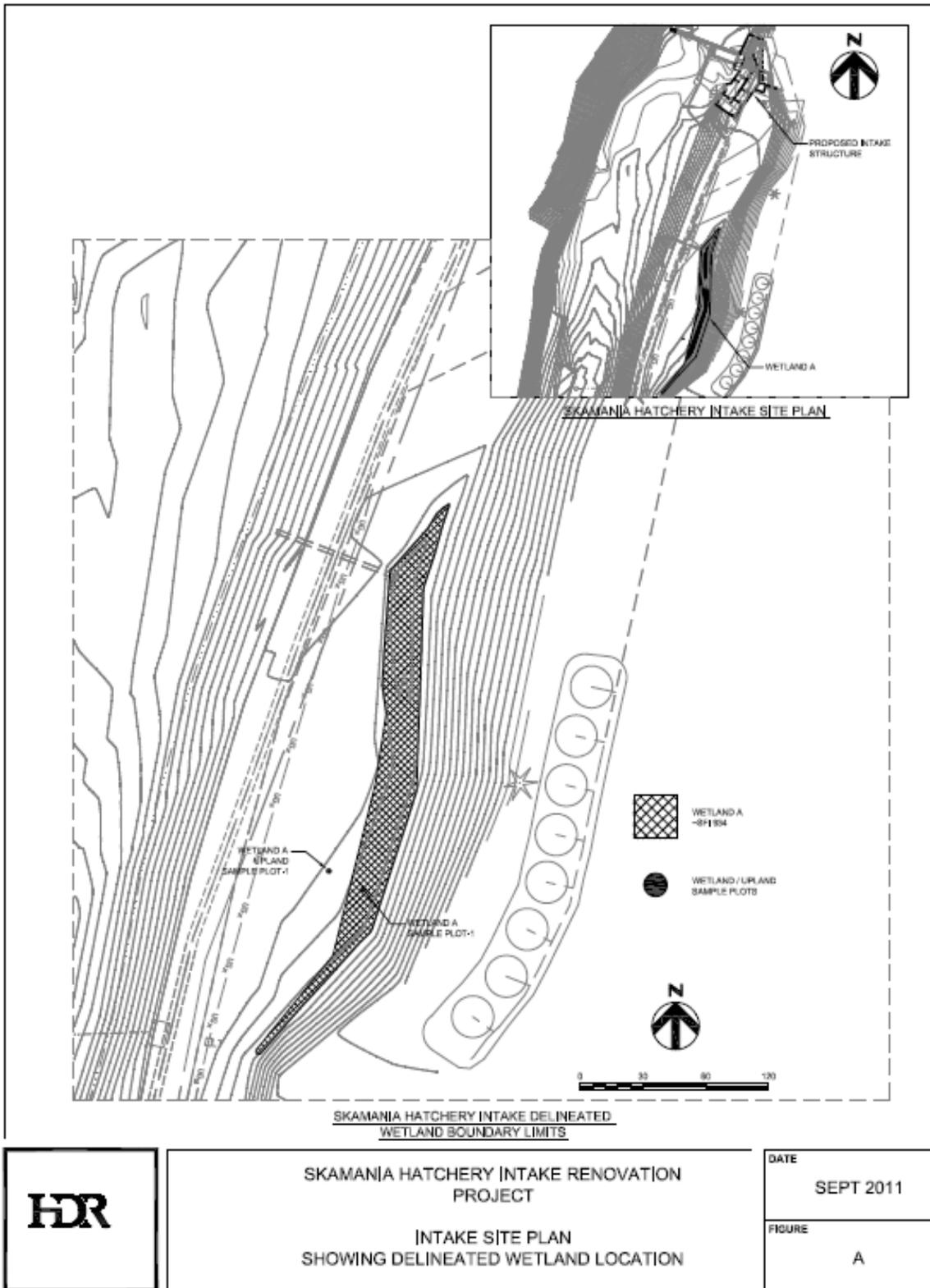


Figure 4. Site Plan with Wetland Delineation



Photo 1. Existing Skamania Hatchery intake, showing upstream bedrock outcropping and surface water gage (photo taken March 2010).



Photo 2. Proposed intake fishway location, looking downstream from existing intake (photo taken April 2010).



Photo 3. Left bank shoreline looking upstream to existing intake (April 2010).



Photo 4. Cross-creek intake weir (March 2010).



Photo 5. Intake access road, looking downstream



Photo 6. Approximate pumpback pipeline routing showing existing trees to be removed associated with Vogel Creek crossing.

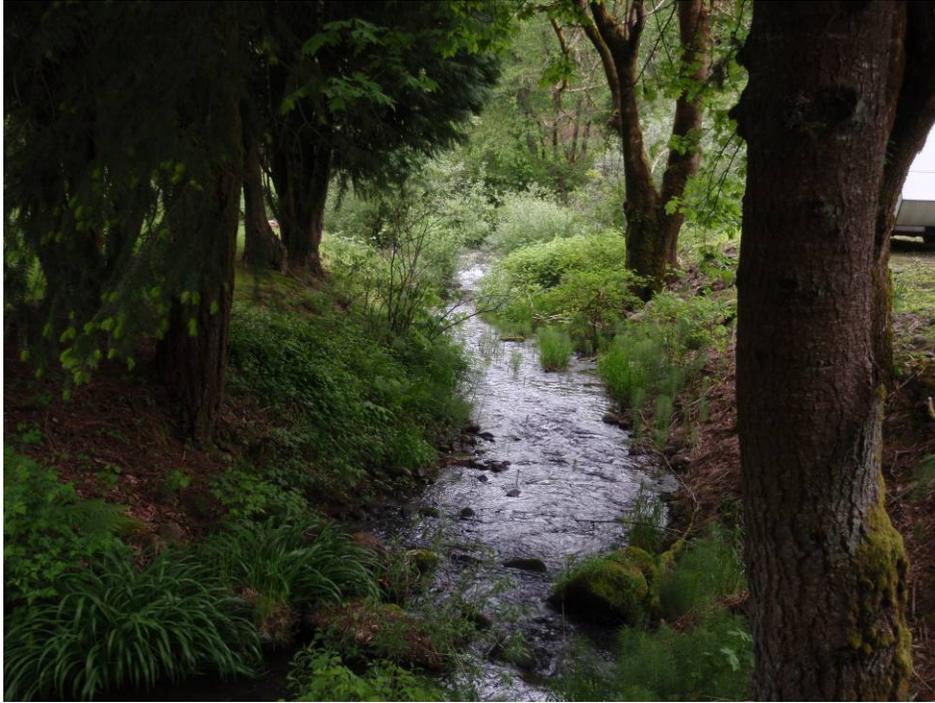


Photo 7. Vogel Creek just upstream of pumpback pipeline crossing location.



Photo 8. Pumpback pipeline crossing through this developed area.

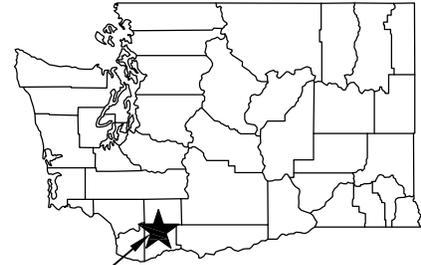


Photo 9. Linear depressional wetland landward of existing intake access road. Surveyor is digging a plot in uplands, just left of the wetland edge that runs along the toe of the steep slope to the right.



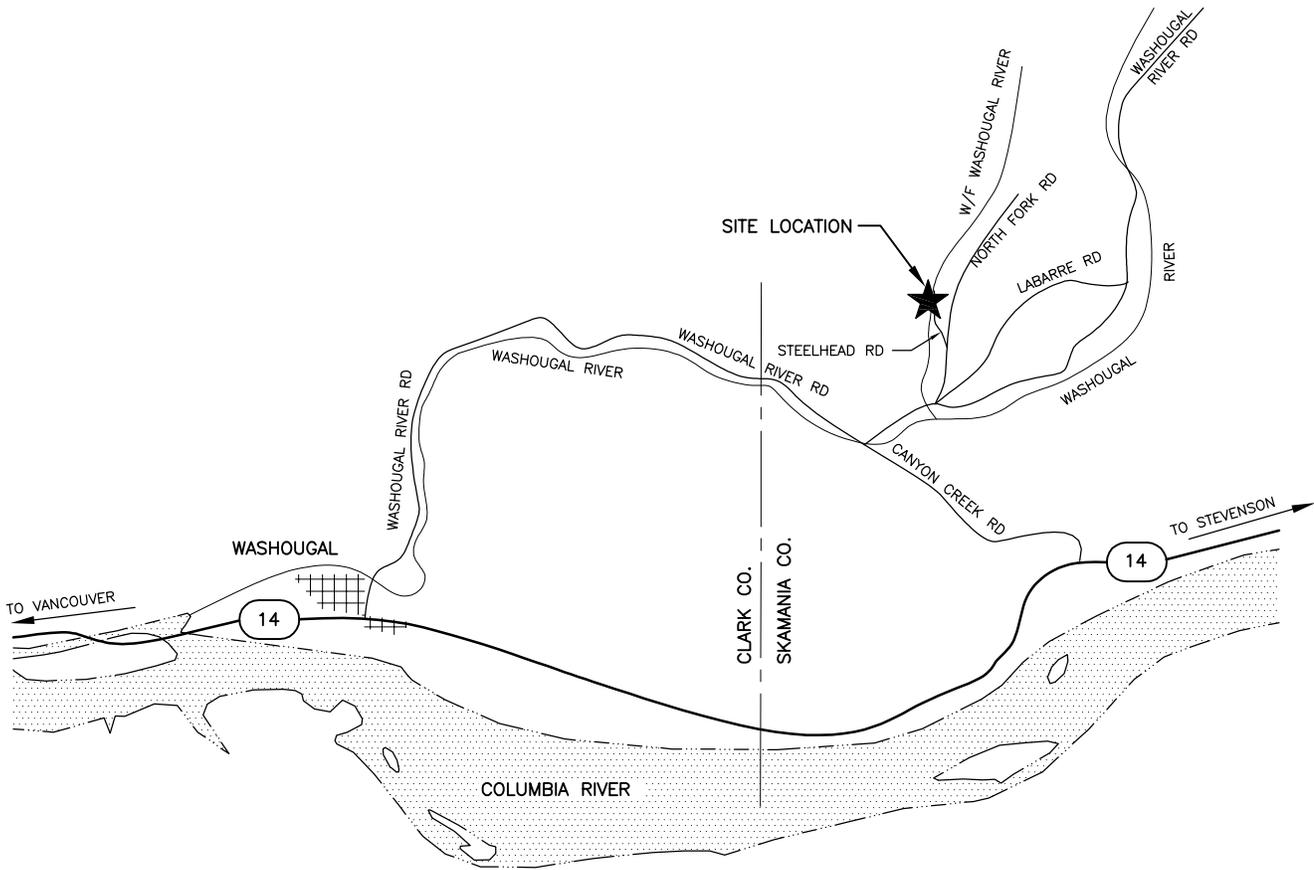
Photo 10. Depressional wetland (shrub area on right side of photo) to the right of the existing gravel access road. Intake facility in the distance near top of photo.

## **Appendix B – Project Site Plans and Drawings**



SITE LOCATION

**STATE MAP**  
NOT TO SCALE



**VICINITY MAP**  
NOT TO SCALE

PURPOSE: PROTECT JUVENILE FISH AND RESTORE FISH PASSAGE

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

PROPOSED: NEW HATCHERY INTAKE AND FISHLADDER

DATUM: NAVD 88

ADJACENT PROPERTY OWNER:

1. \_\_\_\_\_
2. \_\_\_\_\_

ENG. PROJECT NO. SA:H125:11-1

REFERENCE NO. \_\_\_\_\_

SITE: **SKAMANIA HATCHERY**  
ADDRESS: 391 STEELHEAD RD  
WASHOUGAL, WA 98671

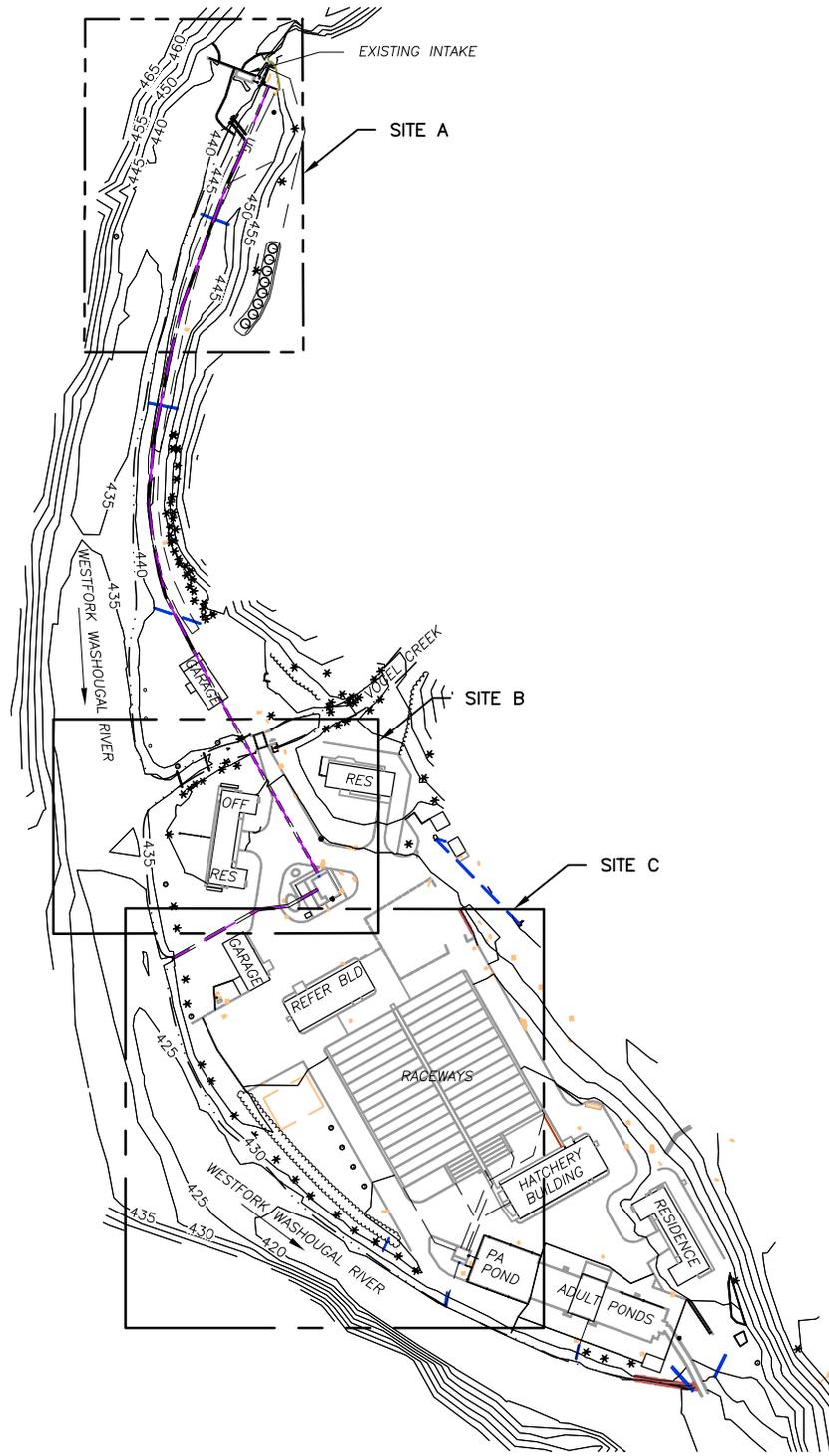
IN: WEST FORK WASHOUGAL RIVER

NEAR: WASHOUGAL

COUNTY OF: SKAMANIA STATE: WA

PORTION OF: T02N R5E SEC 29, 32

DATE: \_\_\_\_\_ SHEET 1 OF 13



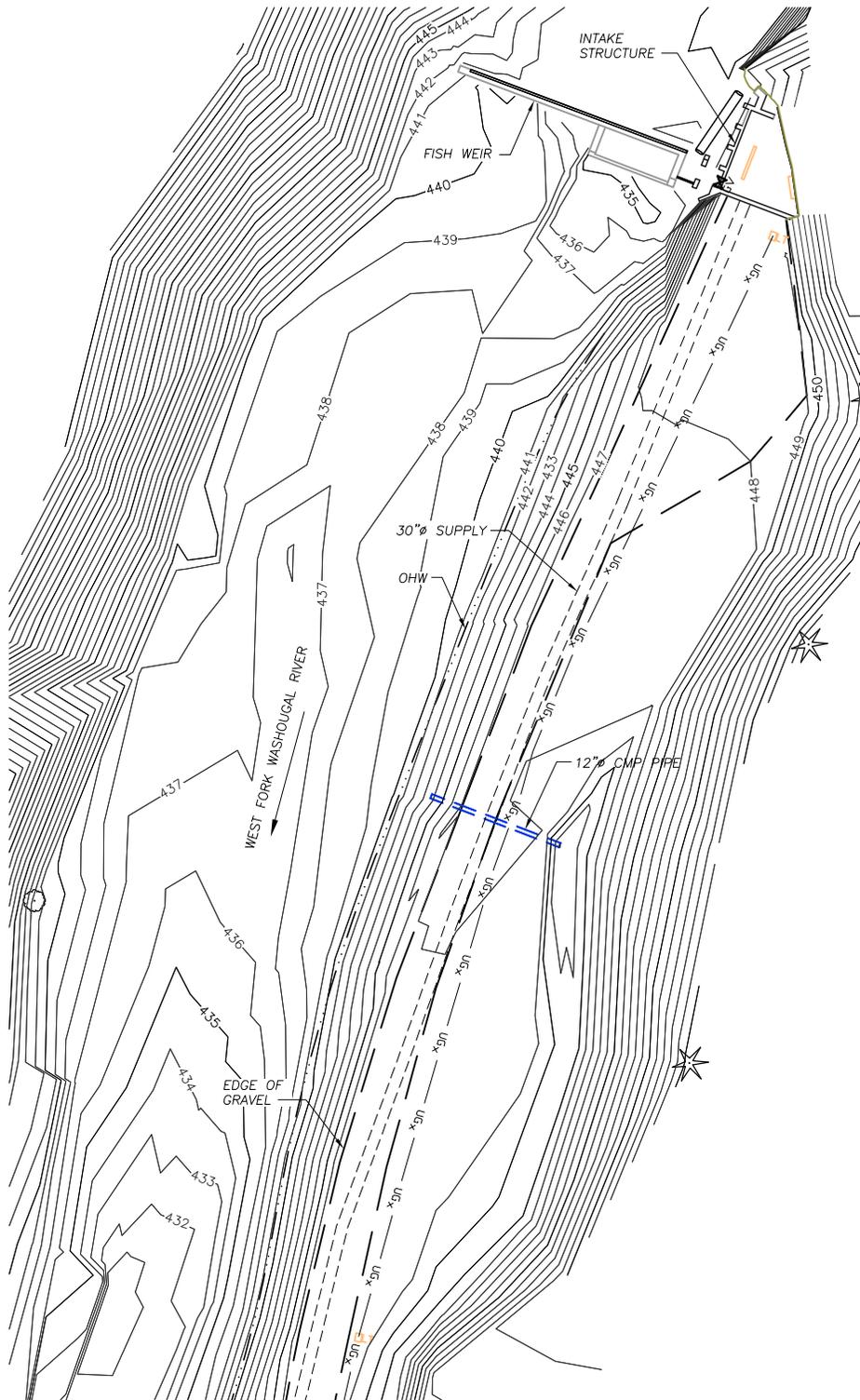
**EXISTING SITE PLAN**

SCALE: 1" = 200'



SCALE: 1" = 250'

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
<b>SKAMANIA HATCHERY EXISTING SITE PLAN</b>
AT: <u>WASHOUGAL</u> , WASHINGTON
DATE: _____ SHEET 2 OF 13



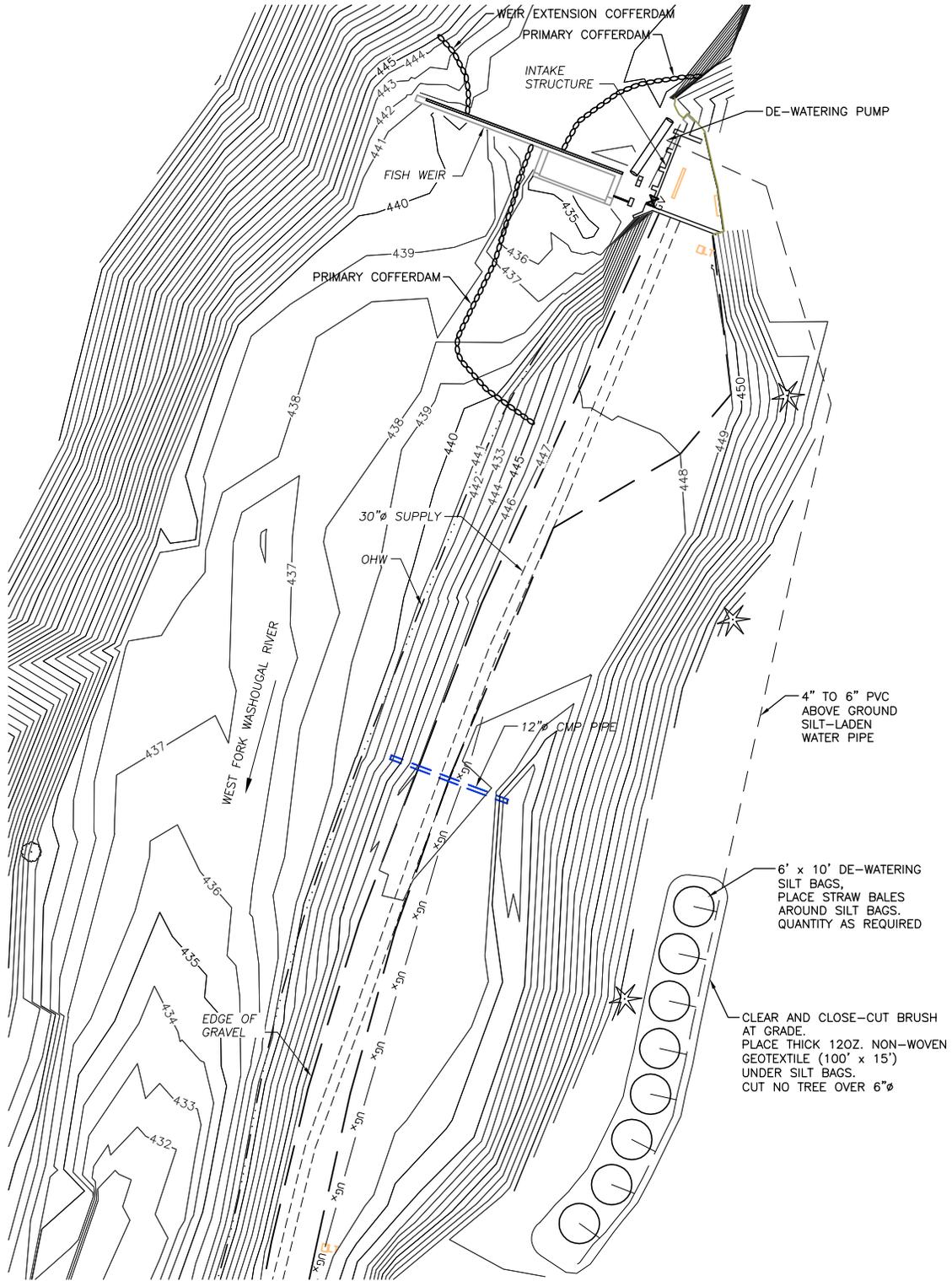
**EXISTING SITE PLAN A**

SCALE: 1" = 40'



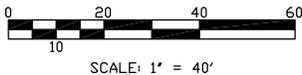
SCALE: 1" = 40'

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
<b>SKAMANIA HATCHERY</b> EXISTING SITE PLAN A
AT: <u>WASHOUGAL</u> , WASHINGTON
DATE: _____ SHEET <b>3</b> OF <b>13</b>

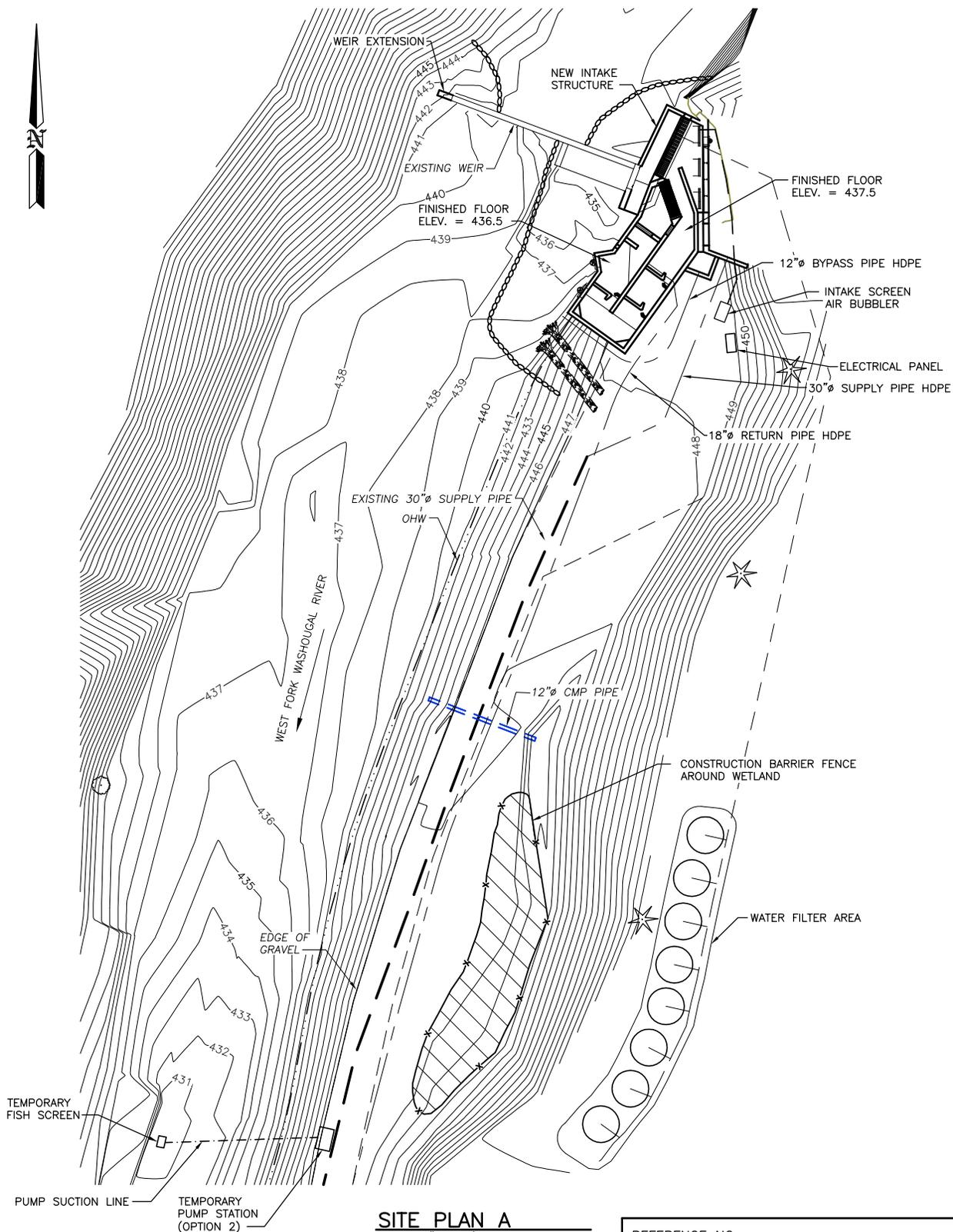


**DE-WATERING PLAN A**

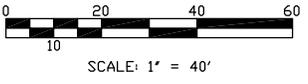
SCALE: 1" = 40'



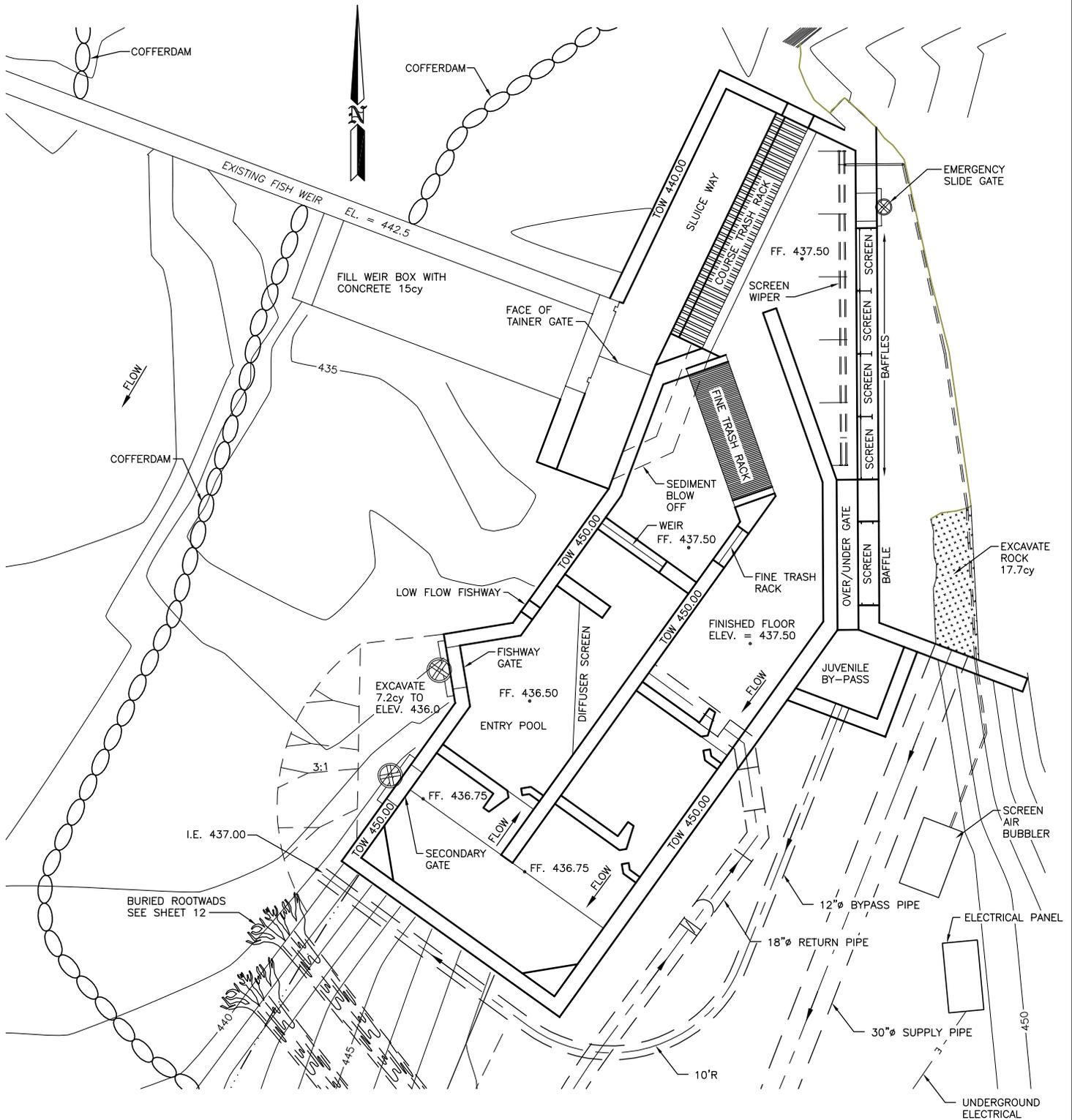
REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
<b>SKAMANIA HATCHERY EXISTING DE-WATERING PLAN A</b>
AT: <u>WASHOUGAL</u> , WASHINGTON
DATE: _____ SHEET 4 OF 13



**SITE PLAN A**  
 SCALE: 1" = 40'



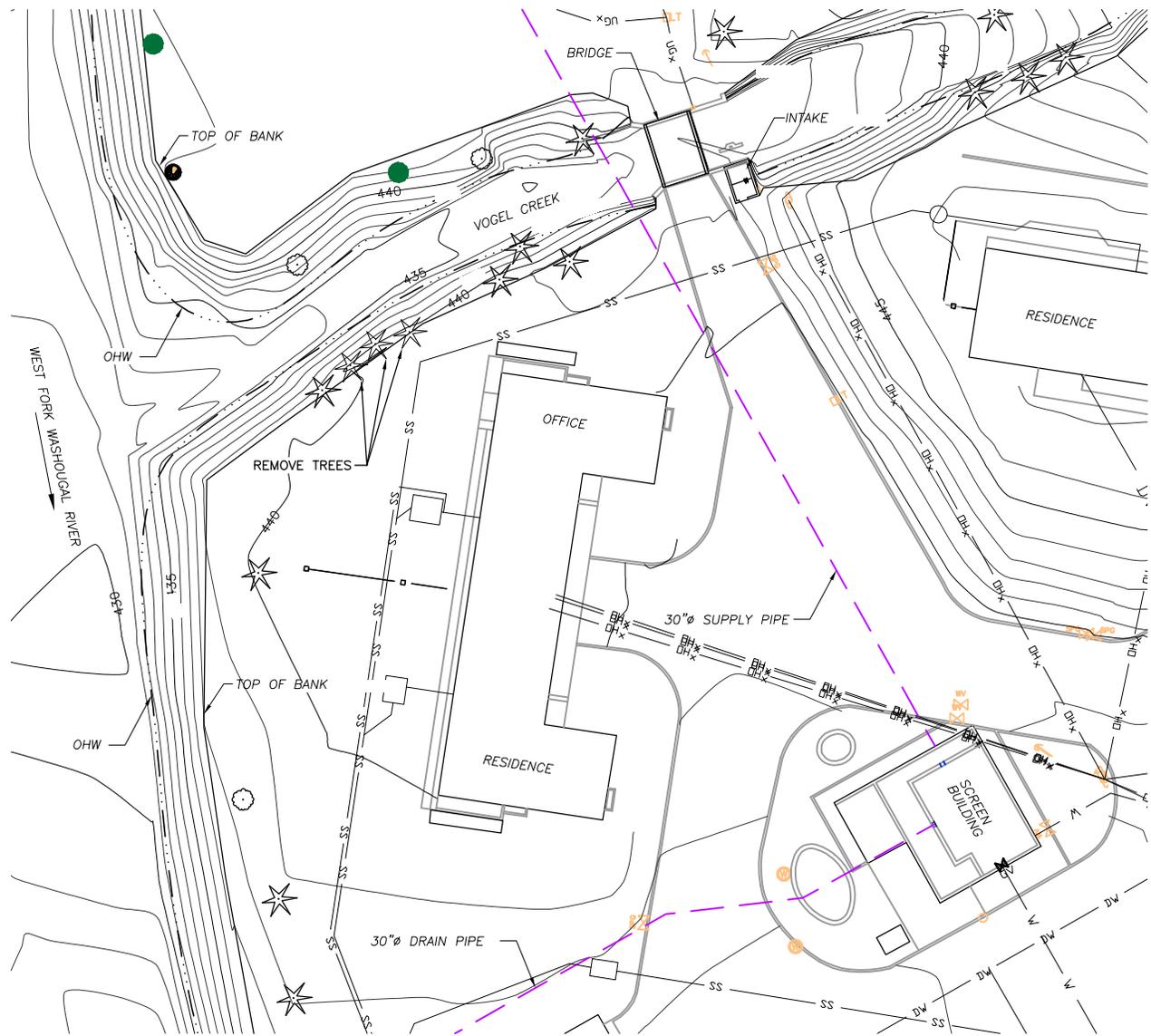
REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
<b>SKAMANIA HATCHERY</b> SITE PLAN A NEW INTAKE
AT: <u>WASHOUGAL</u> , WASHINGTON
DATE: _____ SHEET 5 OF 13



**NEW INTAKE PLAN**

SCALE: 1" = 10'

REFERENCE NO.	_____
APPLICANT:	WASHINGTON DEPT. of FISH & WILDLIFE
	<b>SKAMANIA HATCHERY</b> NEW INTAKE PLAN
AT:	WASHOUGAL, WASHINGTON
DATE:	_____ SHEET 6 OF 13



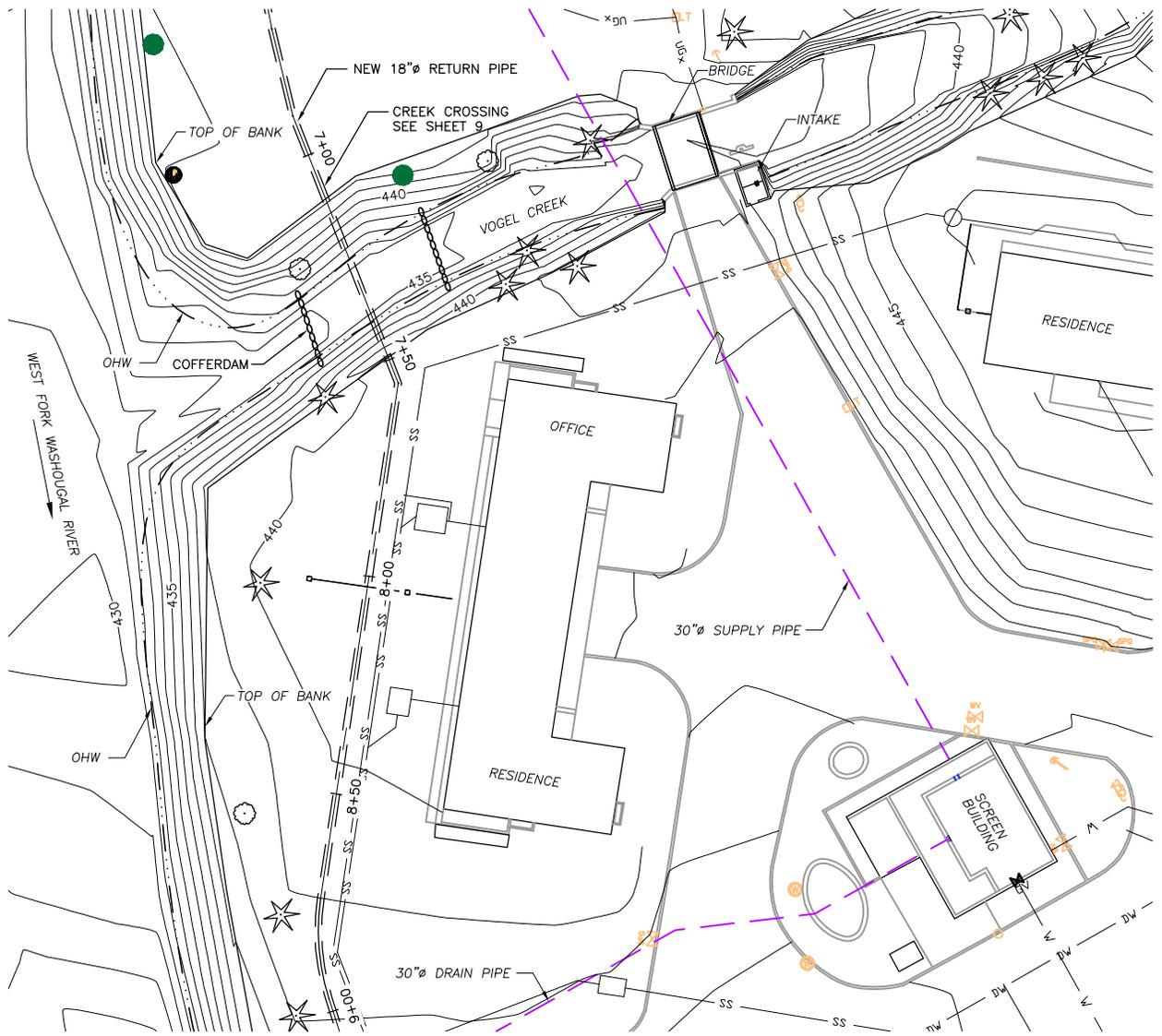
**EXISTING SITE PLAN B**

SCALE: 1" = 60'

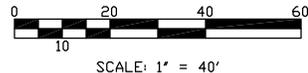


SCALE: 1" = 40'

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
<b>SKAMANIA HATCHERY SITE PLAN B VOGEL CREEK CROSSING</b>
AT: <u>WASHOUGAL</u> , WASHINGTON
DATE: _____ SHEET 7 OF 13

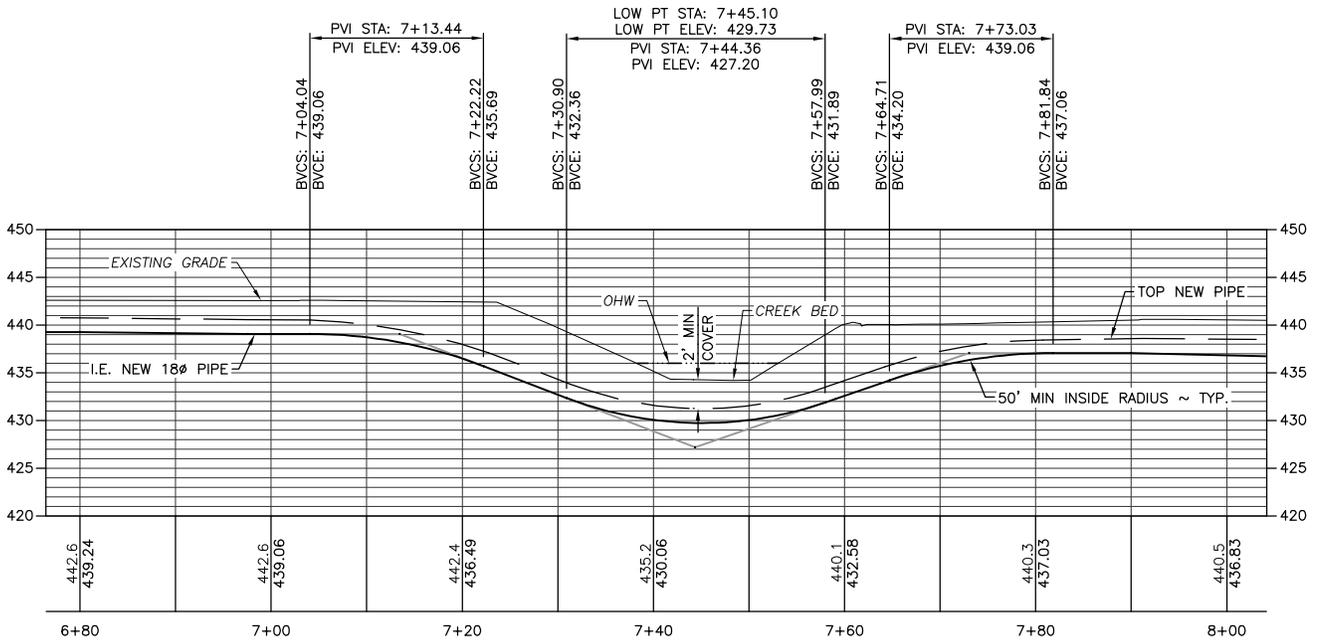


**SITE PLAN B**  
SCALE: 1" = 60'



SCALE: 1" = 40'

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
<b>SKAMANIA HATCHERY</b> SITE PLAN B VOGEL CREEK CROSSING
AT: <u>WASHOUGAL</u> , WASHINGTON
DATE: _____ SHEET <b>8</b> OF <b>13</b>



### VOGEL CREEK CROSSING PROFILE

SCALE: 1" = 20'

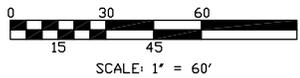


SCALE: 1" = 20'

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
SKAMANIA HATCHERY SITE PLAN B VOGEL CREEK CROSSING PROFILE
AT: WASHOUGAL, WASHINGTON
DATE: _____ SHEET 9 OF 13



**EXISTING SITE PLAN C**  
 SCALE: 1" = 60'

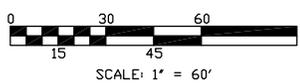


REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
<b>SKAMANIA HATCHERY</b> EXISTING SITE PLAN C
AT: <u>WASHOUGAL</u> , WASHINGTON
DATE: _____ SHEET 10 OF 13

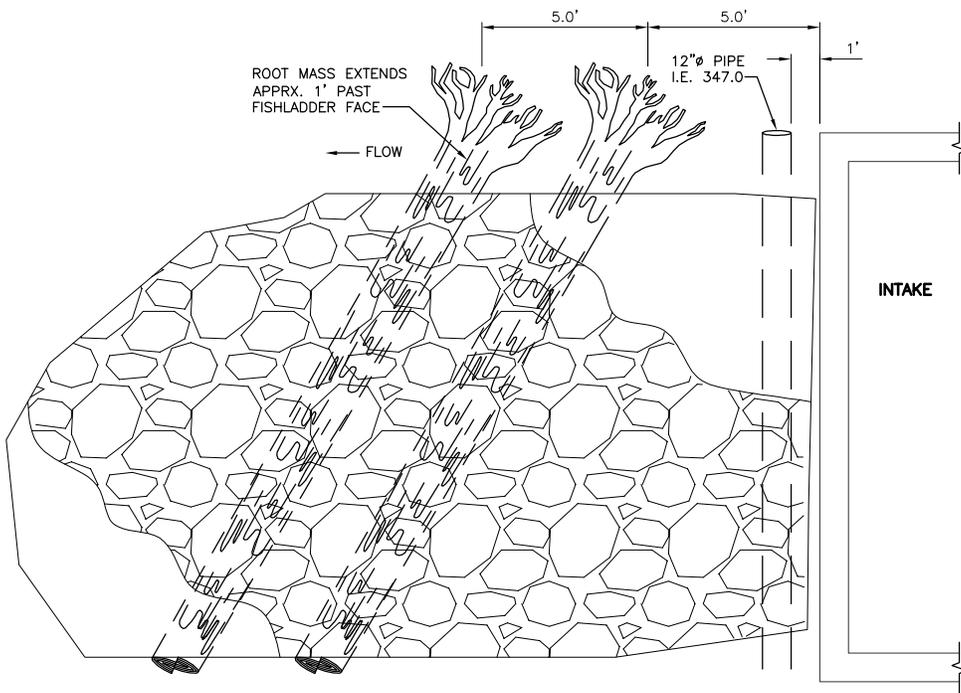


**SITE PLAN C**

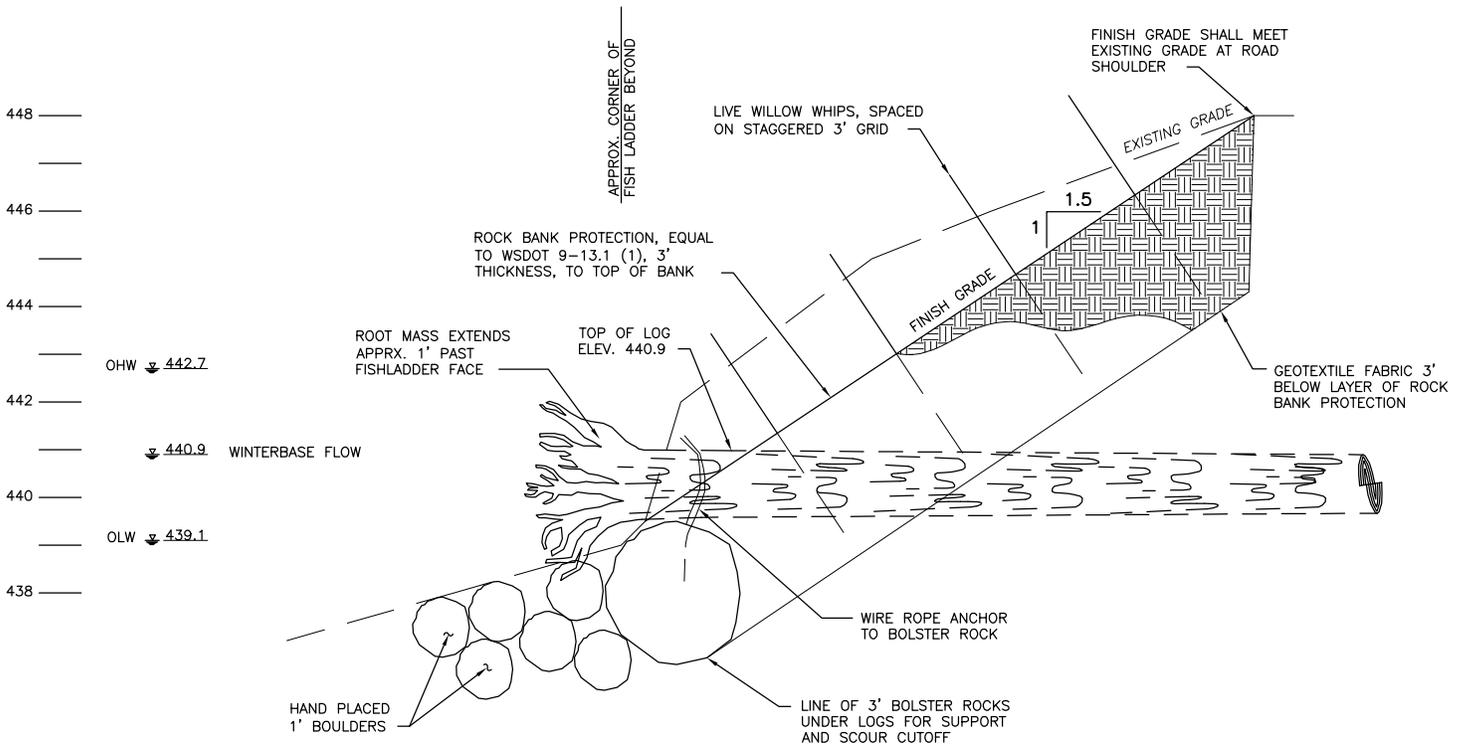
SCALE: 1" = 60'



REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
<b>SKAMANIA HATCHERY</b> SITE PLAN C PUMPBACK VAULT
AT: <u>WASHOUGAL</u> , WASHINGTON
DATE: _____ SHEET 11 OF 13



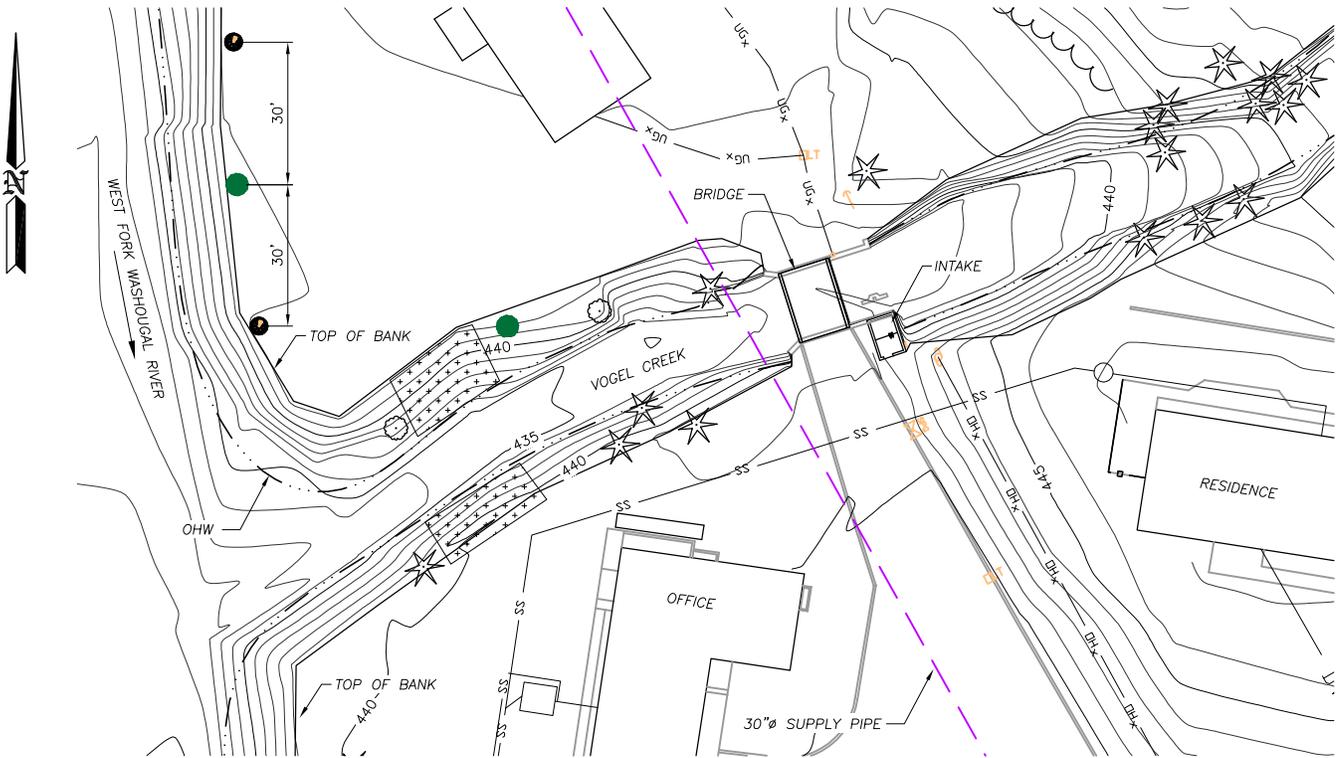
**PLAN**



**ELEVATION**

**BURIED ROOTWAD**  
NOT TO SCALE

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
<b>SKAMANIA HATCHERY</b> BURIED ROOTWAD DETAIL
AT: <u>WASHOUGAL</u> , WASHINGTON
DATE: _____ SHEET 12 OF 13



**PLANTING PLAN**  
SCALE: 1" = 60'

**FOR PLANTINGS AT VOGEL CREEK:**

**PLANTING LIST**

Plant species	Size	Approx. No. of Plants	Staggered Grid Spacing
Common Snowberry (Symphoricarpos albus)	BR, 18"-36"	15	5'
Grand Fir (Abies grandis)	1gal, 18"+	2	N.A.
Western Red Cedar (Thuja plicata)	1gal, 18"+	2	N.A.



1. 'BR' MEANS 'BARE ROOT', '1GAL' MEANS 'ONE-GALLON CONTAINER'
2. KEEP ROOTS MOIST UNTIL PLANTING.
3. AFTER PLANTING ALL PLANTS SHALL BE MULCHED WITH 2' DIAMETER x 3" THICK LAYER OF COARSE BARK.
4. PLANTINGS SHALL BE WATERED AND KEPT MOIST AT LEAST THROUGH MID-OCTOBER.



SCALE: 1" = 40'

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
<b>SKAMANIA HATCHERY PLANTING PLAN VOGEL CREEK CROSSING</b>
AT: <u>WASHOUGAL</u> , WASHINGTON
DATE: _____ SHEET 13 OF 13