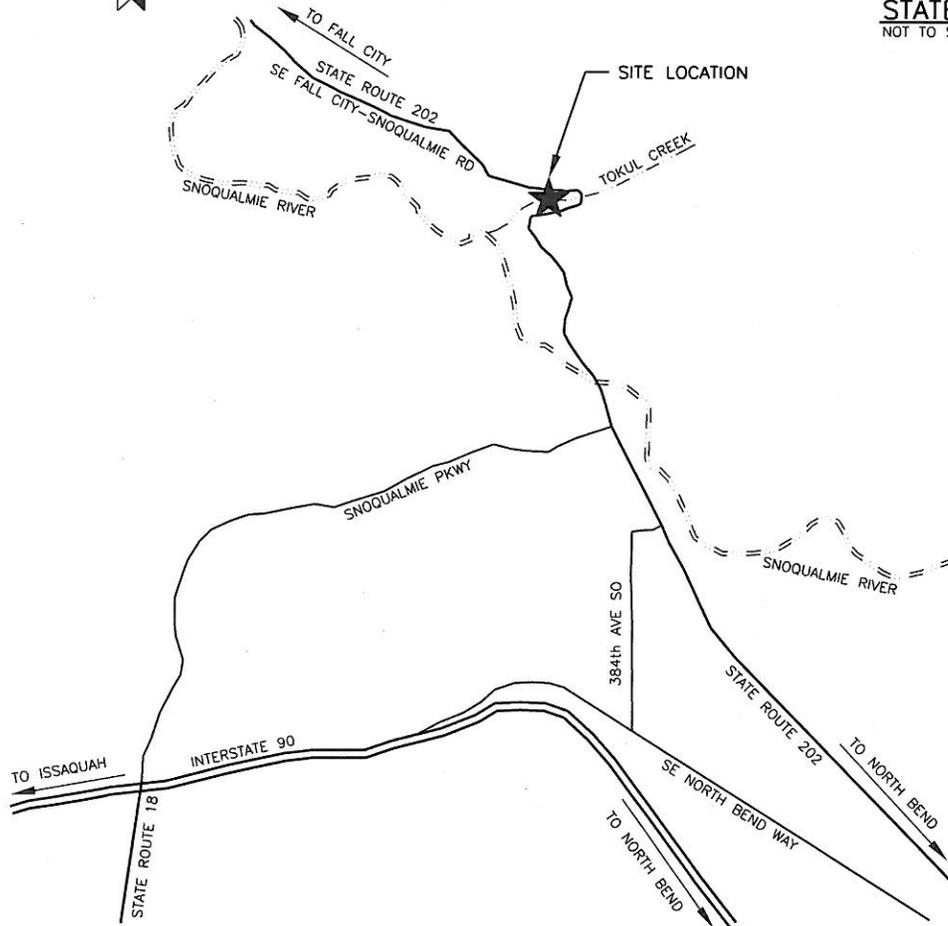


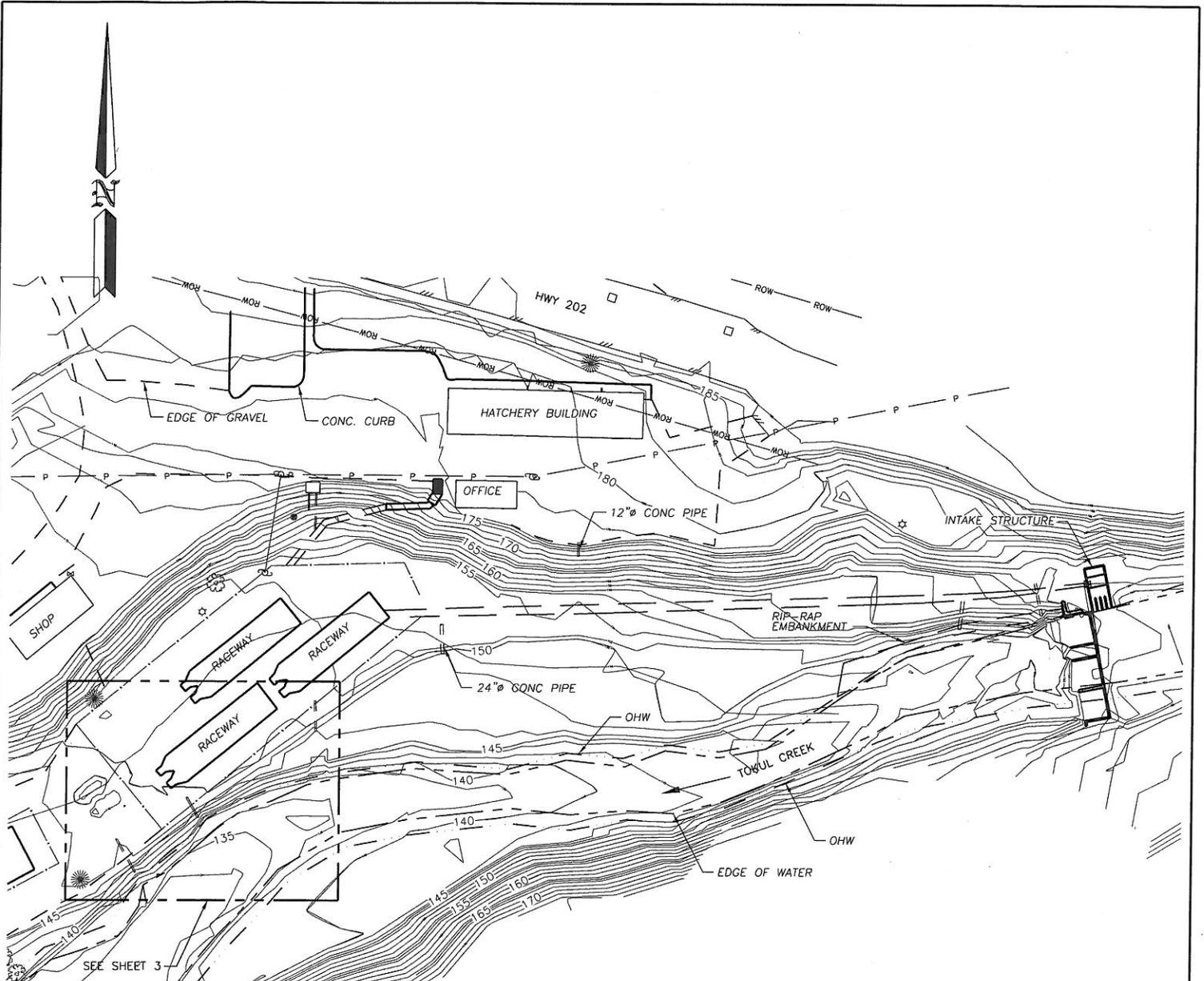


STATE MAP
NOT TO SCALE



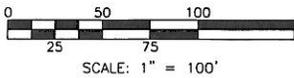
VICINITY MAP
NOT TO SCALE

| | | |
|--|---|--|
| PURPOSE: PROVIDE HABITAT FOR TOKUL CREEK | WASHINGTON DEPT. of FISH & WILDLIFE 600 CAPITOL WAY N. OLYMPIA, WA 98501-1091 | PROPOSED: PLACE LARGE WOODY DEBRIS FOR HABITAT |
| DATUM: ASSUMED | REFERENCE NO. _____ | IN: TOKUL CREEK |
| ADJACENT PROPERTY OWNER: | SITE: TOKUL CREEK HATCHERY | NEAR: FALL CITY |
| ENG. PROJECT NO. KG:H104:11-1 | ADDRESS: 37501 SE FALL CITY SNOOQUALMIE RD FALL CITY, WA 98024 | COUNTY OF: KING STATE: WA PORTION OF: T24N, R8E, SEC19 DATE: 12-15-2011 SHEET 1 OF 4 |



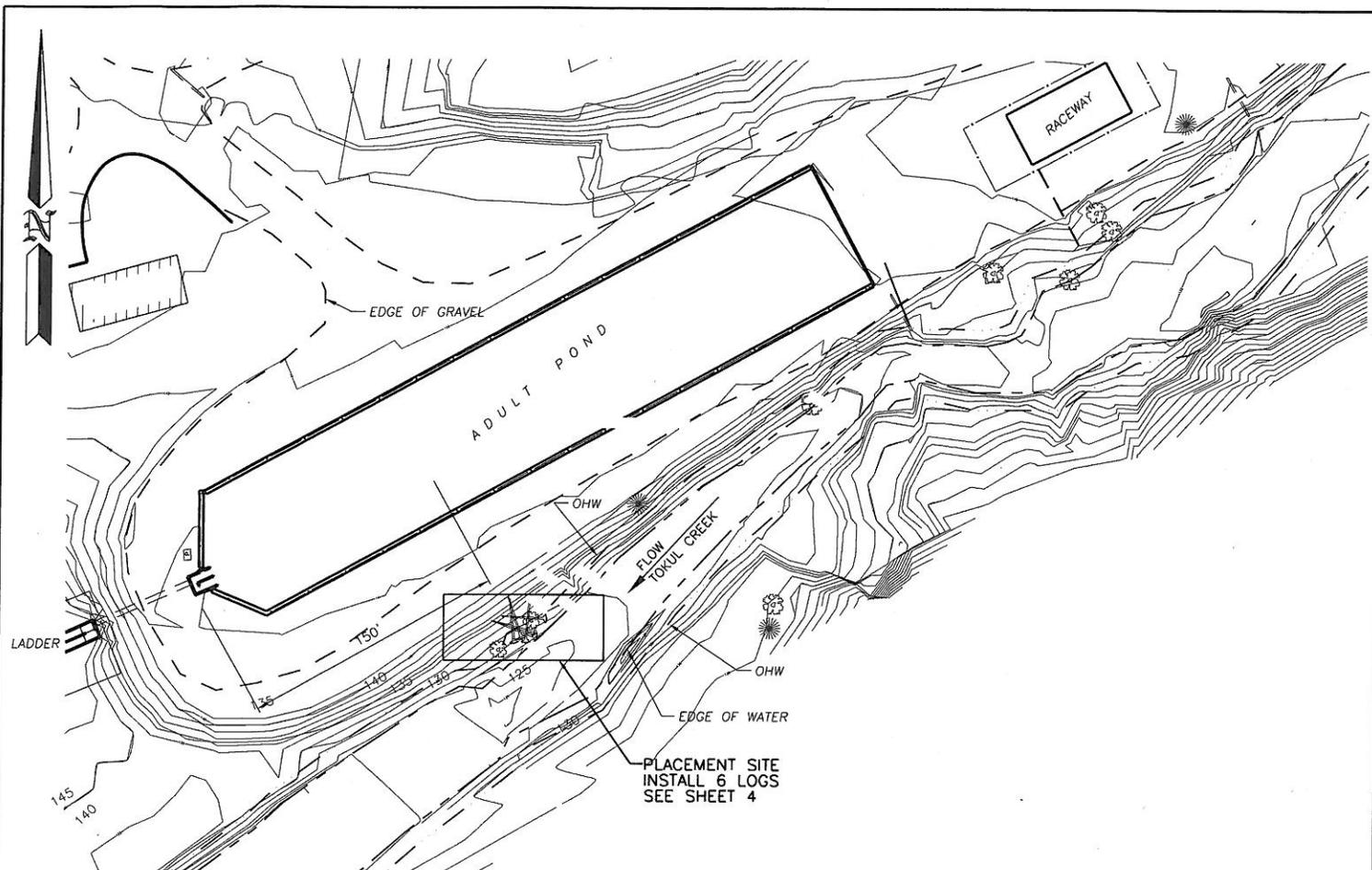
EXISTING SITE PLAN

SCALE: 1" = 100'

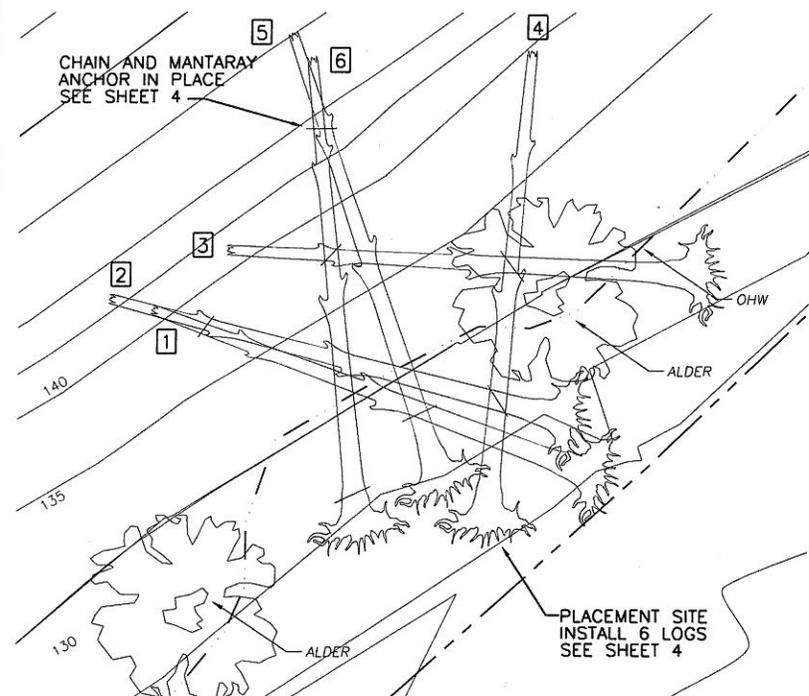


FLOOD ZONE INFORMATION:
 FLOOD ZONE X OUTSIDE 500yr FLOOD
 FEMA MAP 53033C0737F
 PANEL 737 OF 1725
 MAY 16, 1995

| | |
|-----------------------------|-------------------------------------|
| REFERENCE NO. | |
| APPLICANT: | WASHINGTON DEPT. of FISH & WILDLIFE |
| TOKUL CREEK HATCHERY | |
| LWD PLACEMENT | |
| EXISTING SITE PLAN | |
| AT: | FALL CITY _____, WASHINGTON |
| DATE: | 12-15-2011 SHEET 2 OF 4 |



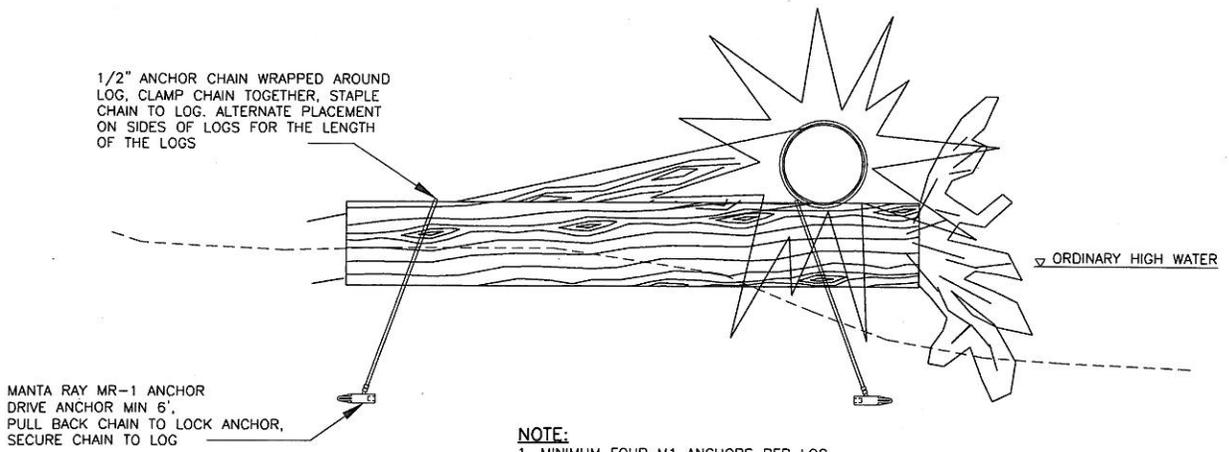
PLACEMENT PLAN
NOT TO SCALE



PLACEMENT PLAN
SCALE: 1" = 10'

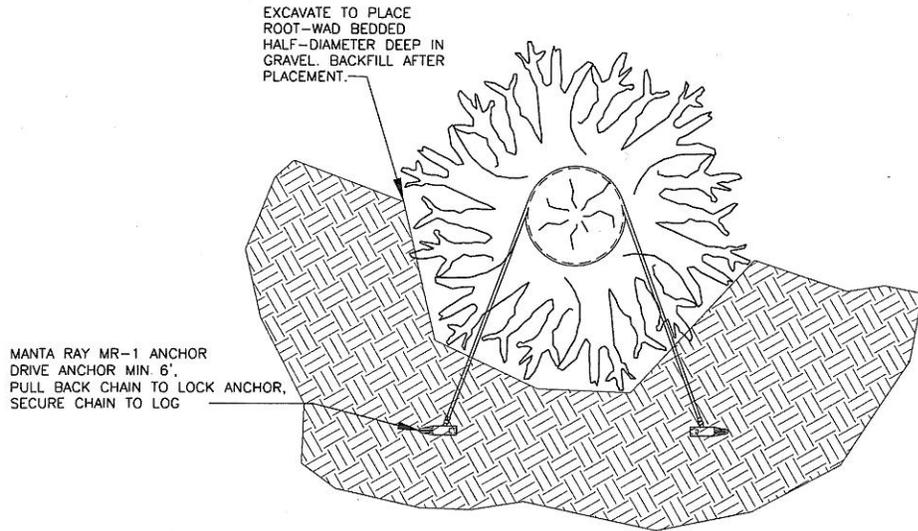
6 = ORDER OF LOG PLACEMENT

| |
|--|
| REFERENCE NO. |
| APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE |
| TOKUL CREEK HATCHERY LWD PLACEMENT PLACEMENT PLAN |
| AT: FALL CITY, WASHINGTON |
| DATE: 12-15-2011 SHEET 3 OF 4 |



- NOTE:**
1. MINIMUM FOUR M1 ANCHORS PER LOG
 2. OVERLAPPING LOGS MAY BE WRAPPED AND ANCHORED TOGETHER.
 3. INSTALL LOG ROOTWADS BETWEEN 8' AND 10' FROM ORDINARY HIGH WATER.
 4. SEQUENCE OF LOG INSTALLATION SHOWN ON SHEET 7.

LOG ANCHOR DETAIL
NOT TO SCALE



ROOT-WAD DETAIL
NOT TO SCALE

NOTES:

1. MITIGATION SHALL INCLUDE ADDING 6 STEMS WITH INTACT ROOTWADS.
2. ROOTWAD =/+ 30" WIDTH; STEMS =/+18" DBH AND =/+ 25' LENGTH.
3. ALL WOOD MATERIALS WILL BE NATIVE CONIFER (E.G.: DOUGLAS-FIR, WESTERN RED CEDAR, OR SPRUCE) WITH BARK INTACT (NO PEELED LOGS).
4. INSTALL BETWEEN EXISTING ALDERS APPROXIMATELY 150' UPSTREAM FROM ADULT POND OUTLET AT LOCATION FLAGGED IN THE FIELD.
5. KEY LOG TIPS INTO BANK AND BURY WITH NATIVE FILL AND ROCK.

| |
|---|
| REFERENCE NO. _____ |
| APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE |
| TOKUL CREEK HATCHERY LWD PLACEMENT DETAILS |
| AT: <u>FALL CITY</u> , WASHINGTON |
| DATE: <u>12-15-2011</u> SHEET <u>4</u> OF <u>4</u> |