
LIST OF DRAWINGS

- 1 GRANDE RONDE RIVER BASIN - ADULT TRAP AND ACCLIMATION SITES
- 2 CATHERINE CREEK ADULT TRAP SITE - HYDRAULIC PROFILE
- 3 CATHERINE CREEK ADULT TRAP SITE - SITE PLAN
- 4 CATHERINE CREEK ADULT TRAP SITE - TRAP STRUCTURE PLAN AND DETAILS
- 4B CATHERINE CREEK ADULT TRAP SITE - TRAP STRUCTURE PLAN AND DETAILS
- 5 CATHERINE CREEK ACCLIMATION SITE - HYDRAULIC PROFILE
- 6 CATHERINE CREEK ACCLIMATION SITE - SITE PLAN
- 7 UPPER GRANDE RONDE RIVER ADULT TRAP SITE - HYDRAULIC PROFILE
- 7A UPPER GRANDE RONDE RIVER ADULT TRAP SITE - SITE PLAN
- 8 UPPER GRANDE RONDE RIVER ADULT TRAP SITE - TRAP STRUCTURE SECTIONS
- 9 UPPER GRANDE RONDE RIVER ACCLIMATION SITE - HYDRAULIC PROFILE
- 10 UPPER GRANDE RONDE RIVER ADULT TRAP SITE - SITE PLAN
- 11 LOSTINE RIVER ADULT TRAP SITE - HYDRAULIC PROFILE
- 12 LOSTINE RIVER ADULT TRAP SITE - SITE PLAN
- 13 LOSTINE RIVER ADULT TRAP SITE - SITE PLAN
- 13A LOSTINE RIVER ADULT TRAP SITE - TRAP STRUCTURE SECTIONS
- 14 LOSTINE RIVER ACCLIMATION SITE - HYDRAULIC PROFILE
- 15 LOSTINE RIVER ACCLIMATION SITE - SITE PLAN
- 16 GRAVITY INTAKE STRUCTURE - PLAN AND SECTION
- 17 PUMPED INTAKE STRUCTURE - PLAN AND SECTION
- 18 RACEWAY PLANS AND SECTIONS
- 19 TRAP PLAN AND DETAILS

Bonneville Power Administration

Division of Fish & Wildlife

NEOH Captive Broodstock Satellites Project Project No. 88-53-2

September, 1997

90% DESIGN SUBMITTAL



MONTGOMERY WATSON

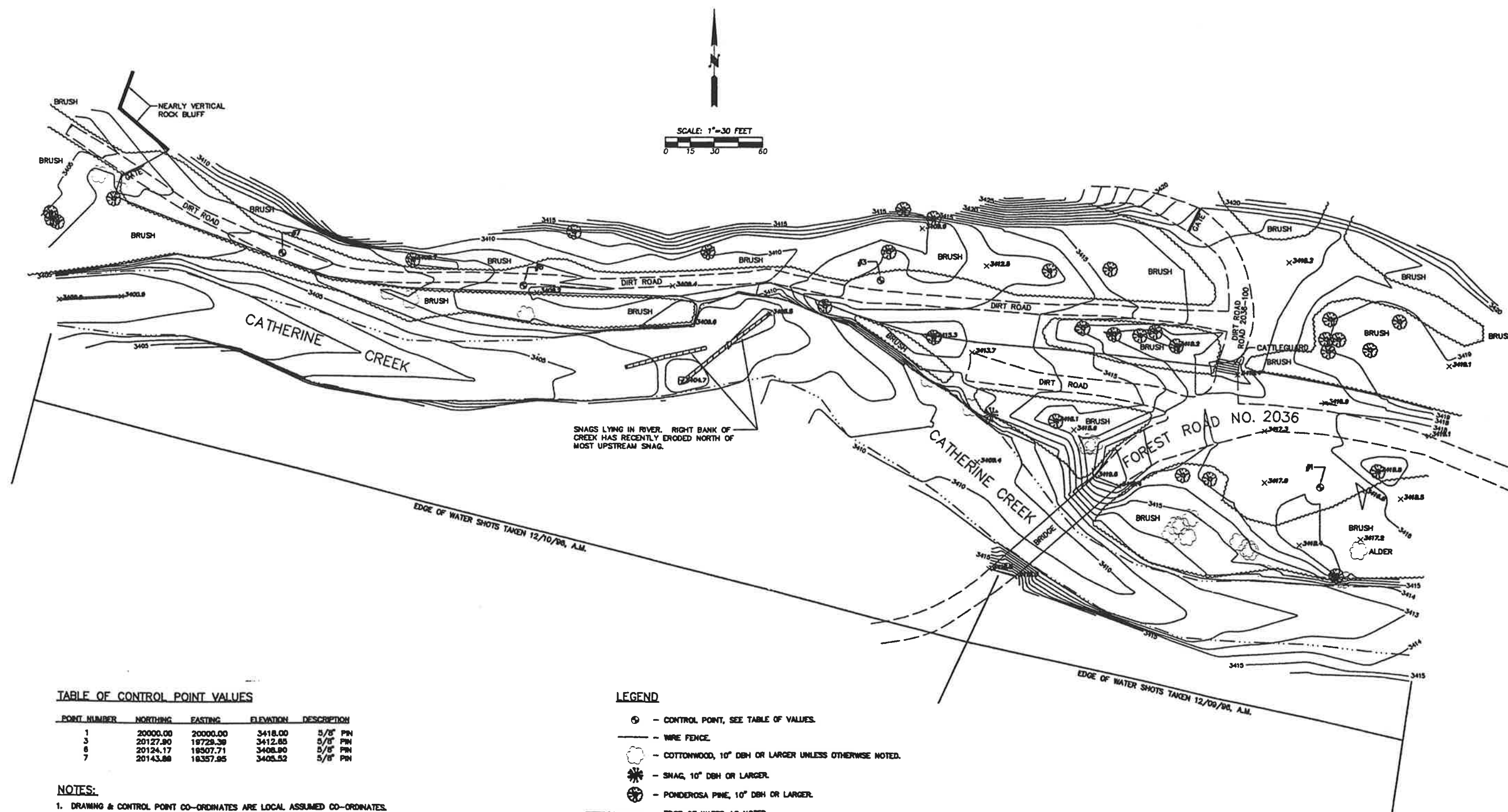


TABLE OF CONTROL POINT VALUES

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	20000.00	20000.00	3418.00	5/8" PIN
3	20127.90	19729.39	3412.85	5/8" PIN
6	20124.17	19507.71	3408.90	5/8" PIN
7	20143.88	19357.95	3405.52	5/8" PIN

NOTES:

1. DRAWING & CONTROL POINT CO-ORDINATES ARE LOCAL ASSUMED CO-ORDINATES.
2. THE ELEVATION OF 3418 FEET WAS ASSUMED FOR CONTROL POINT # 1. OTHER CONTROL POINT ELEVATIONS AND TOPOGRAPHY ARE RELATIVE TO THIS ASSUMED ELEVATION.
3. SURVEY SITE IS LOCATED IN THE NORTH HALF OF SECTION 21, T36S, R41E, W11M, UNION COUNTY, OREGON.
4. BANKS OF CATHERINE CREEK ARE LINED WITH ALDER, WILLOW AND HAWTHORN BETWEEN 3 AND 10 FEET HIGH.

LEGEND

- ⊕ - CONTROL POINT, SEE TABLE OF VALUES.
- - WIRE FENCE.
- ☼ - COTTONWOOD, 10" DBH OR LARGER UNLESS OTHERWISE NOTED.
- ✱ - SNAG, 10" DBH OR LARGER.
- ⊙ - PONDEROSA PINE, 10" DBH OR LARGER.
- - EDGE OF WATER AS NOTED.
- x4303.8 - SPOT ELEVATION.

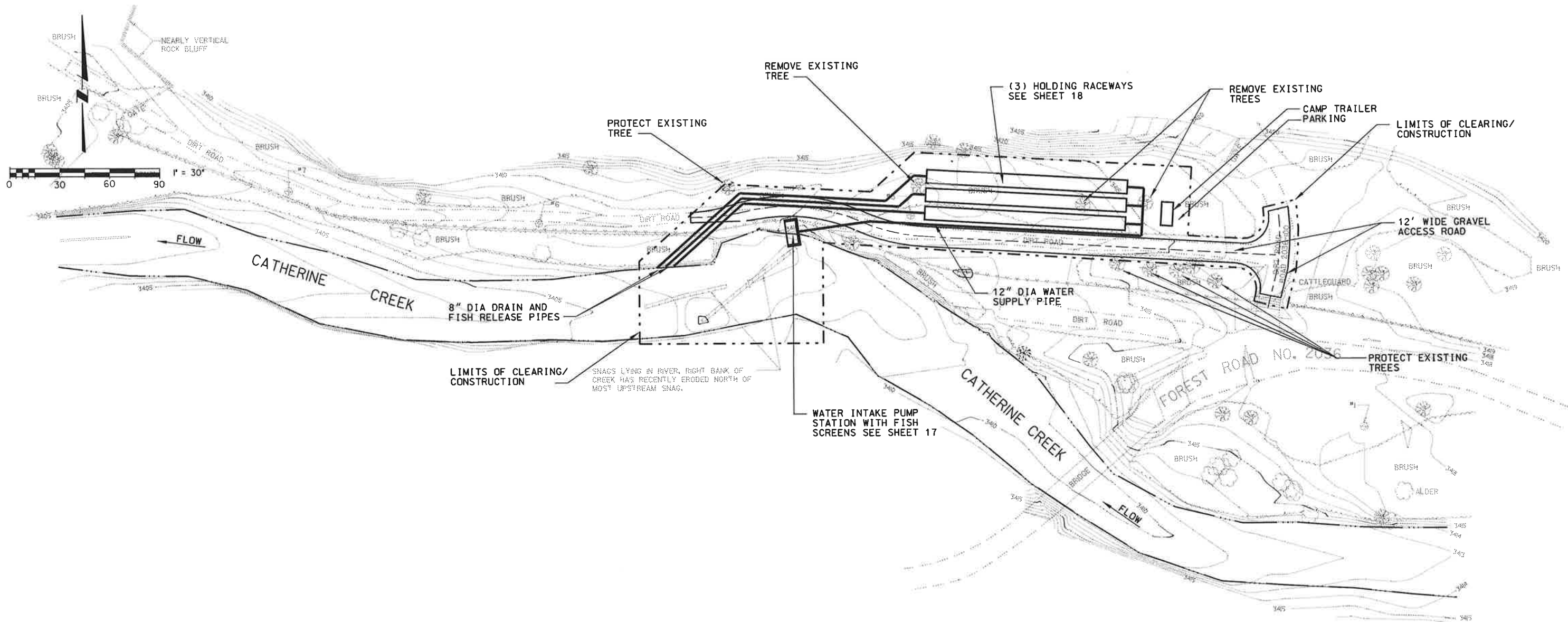
REGISTERED
PROFESSIONAL
LAND SURVEYOR

OREGON
JULY 22, 1977
WILLIAM R. WELLS
1106
REVISED 6/30/98

WILLIAM R. WELLS, PLS
357 N.E. HWY. 11
P.O. BOX 1696
PENDLETON, OR 97801
PHONE: (541) 276-6362

DATE: 12/18/98 DR. BY: KRS/MRW
CK. BY: WRW NO. 417

PROJECT:
TOPOGRAPHIC SURVEY
FOR:
MONTGOMERY - WATSON
2375 130TH AVE., N.E., SUITE 200
BELLEVUE, WA 98005-1758
OSU SITE
CATHERINE CREEK



PLOT DATE: 09-SEP-1997 PLOT TIME: 13:11

REV	DATE	BY	DESCRIPTION

SCALE:
1"=30'

WARNING
0 1/2
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED
DRAWN
CHECKED

SUBMITTED
PROJECT ENGINEER P. E. NO. DATE
RECOMMENDED
MONTGOMERY WATSON P. E. NO. DATE



MONTGOMERY WATSON

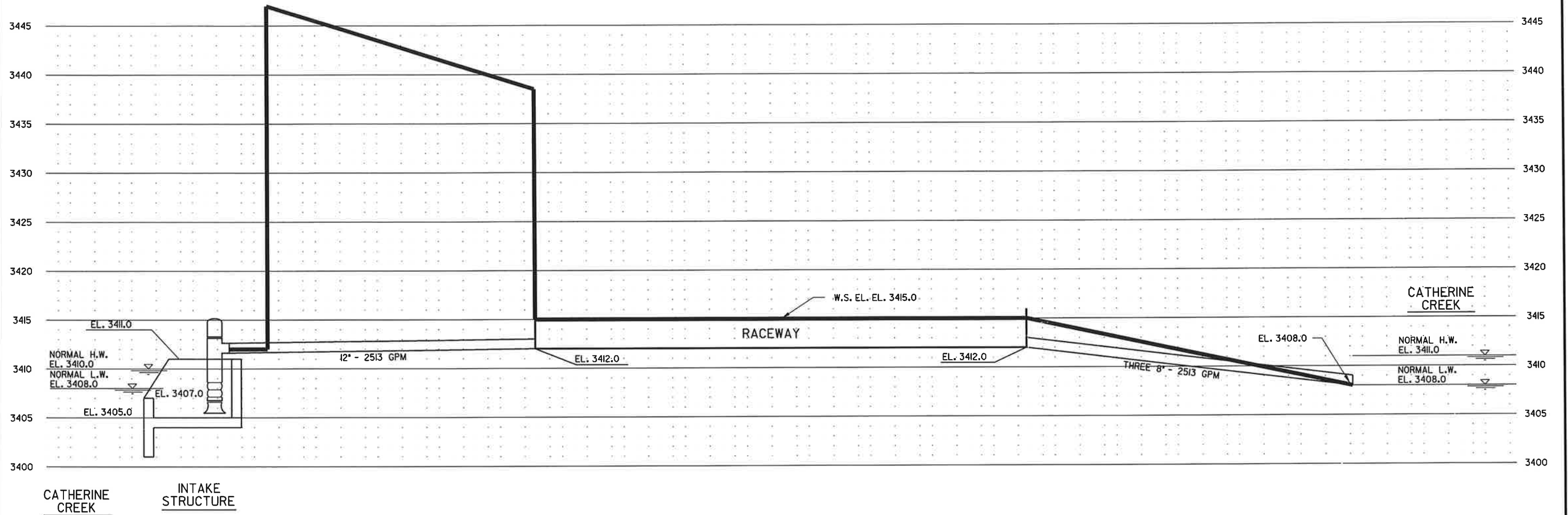
Bellevue, Washington

APPROVED
DATE
APPROVED
DATE

BONNEVILLE POWER ADMINISTRATION
NEOH CAPTIVE BROODSTOCK SATELLITES PROJECT
CATHERINE CREEK ACCLIMATION SITE
SITE PLAN

SHEET
6

PLOT DATE: 09-SEP-1997 PLOT TIME: 12:11



REV	DATE	BY	DESCRIPTION

SCALE:
NONE

WARNING
0 1/2 1
IF THIS BAR DOES
NOT MEASURE 1"
THEN DRAWING IS
NOT TO SCALE.

DESIGNED
DRAWN
CHECKED

SUBMITTED
PROJECT ENGINEER
RECOMMENDED
MONTGOMERY WATSON
P. E. NO. DATE

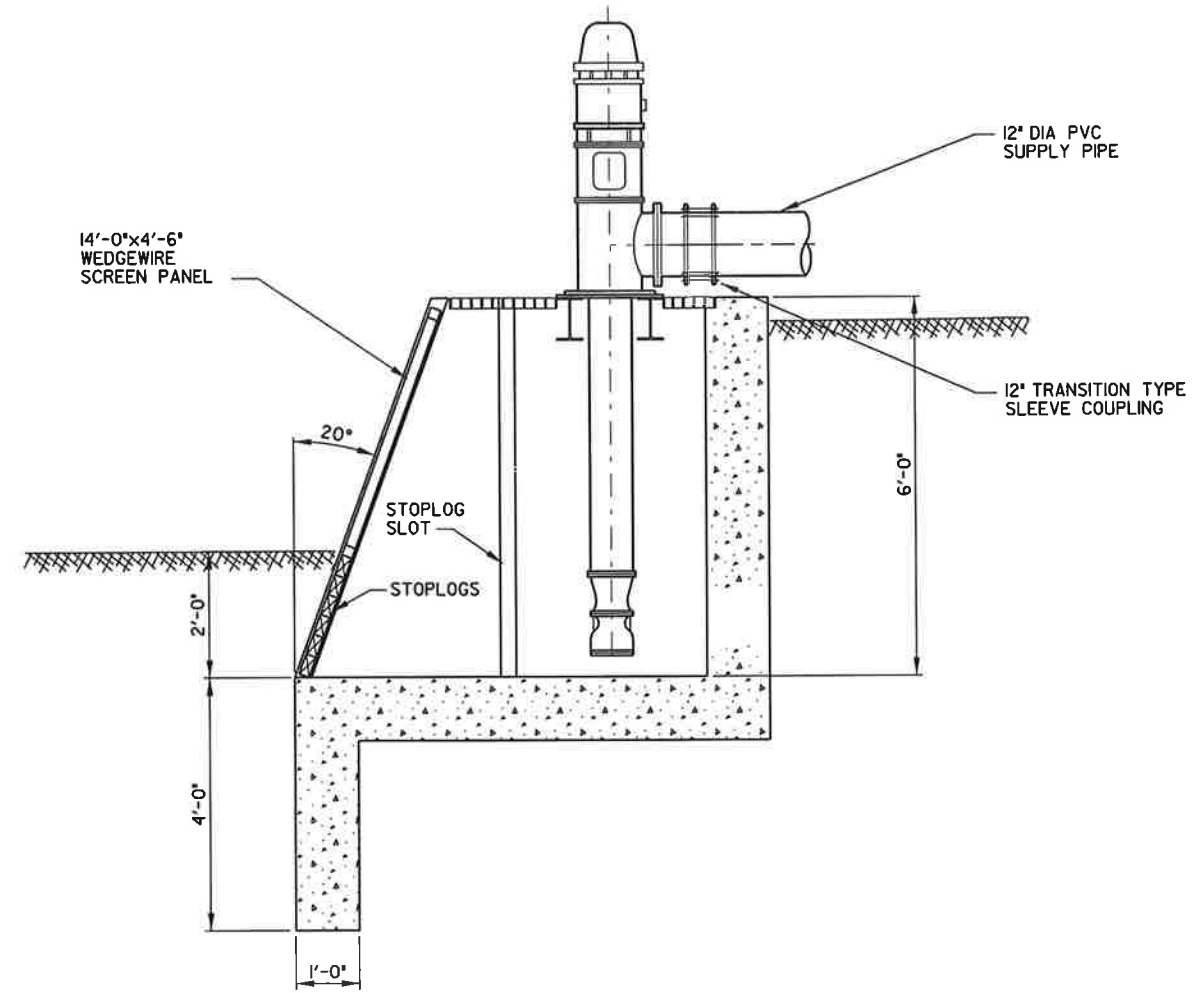
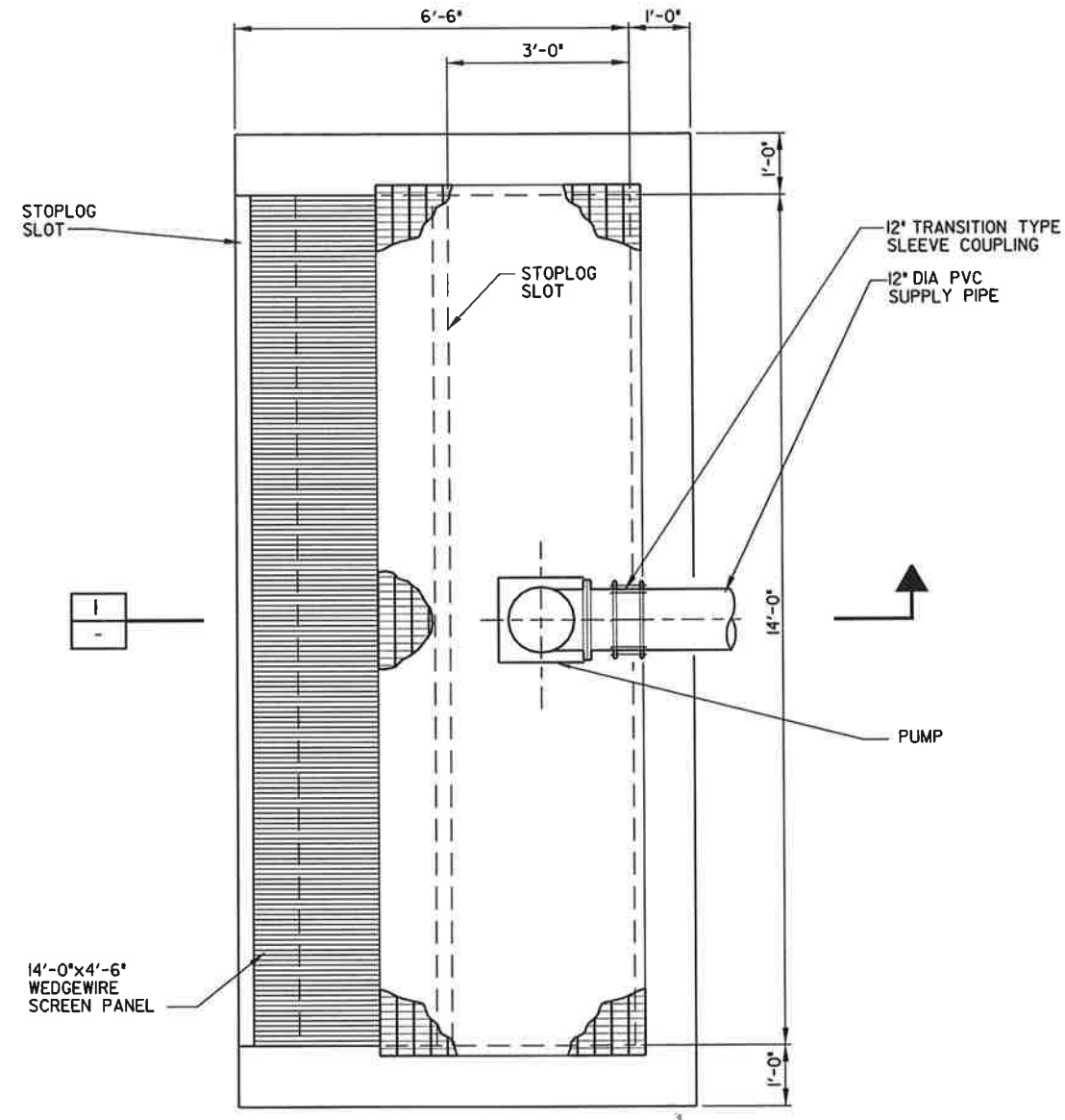


MONTGOMERY WATSON
Bellevue, Washington

APPROVED
APPROVED
DATE

BONNEVILLE POWER ADMINISTRATION
NEOH CAPTIVE BROODSTOCK SATELLITES PROJECT
CATHERINE CREEK ACCLIMATION SITE
HYDRAULIC PROFILE

SHEET
5



SECTION 1

PLOT DATE: 09-SEP-1997 PLOT TIME: 13:04

REV	DATE	BY	DESCRIPTION

SCALE:
3/4"=1'-0"

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED
DRAWN
CHECKED

SUBMITTED
PROJECT ENGINEER P. E. NO. DATE
RECOMMENDED
MONTGOMERY WATSON P. E. NO. DATE



MONTGOMERY WATSON

Bellevue, Washington

APPROVED
DATE
APPROVED
DATE

BONNEVILLE POWER ADMINISTRATION
NEOH CAPTIVE BROODSTOCK SATELLITES PROJECT
PUMPED INTAKE STRUCTURE
PLAN AND SECTION

SHEET
17