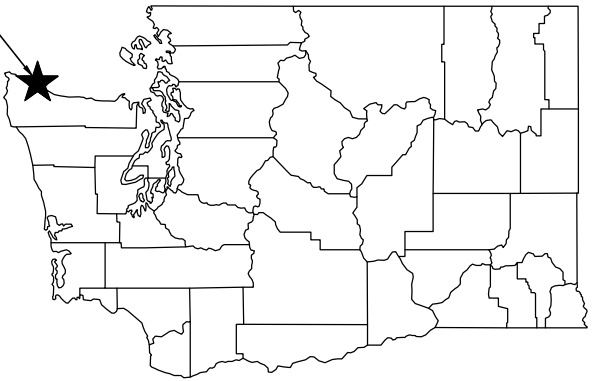
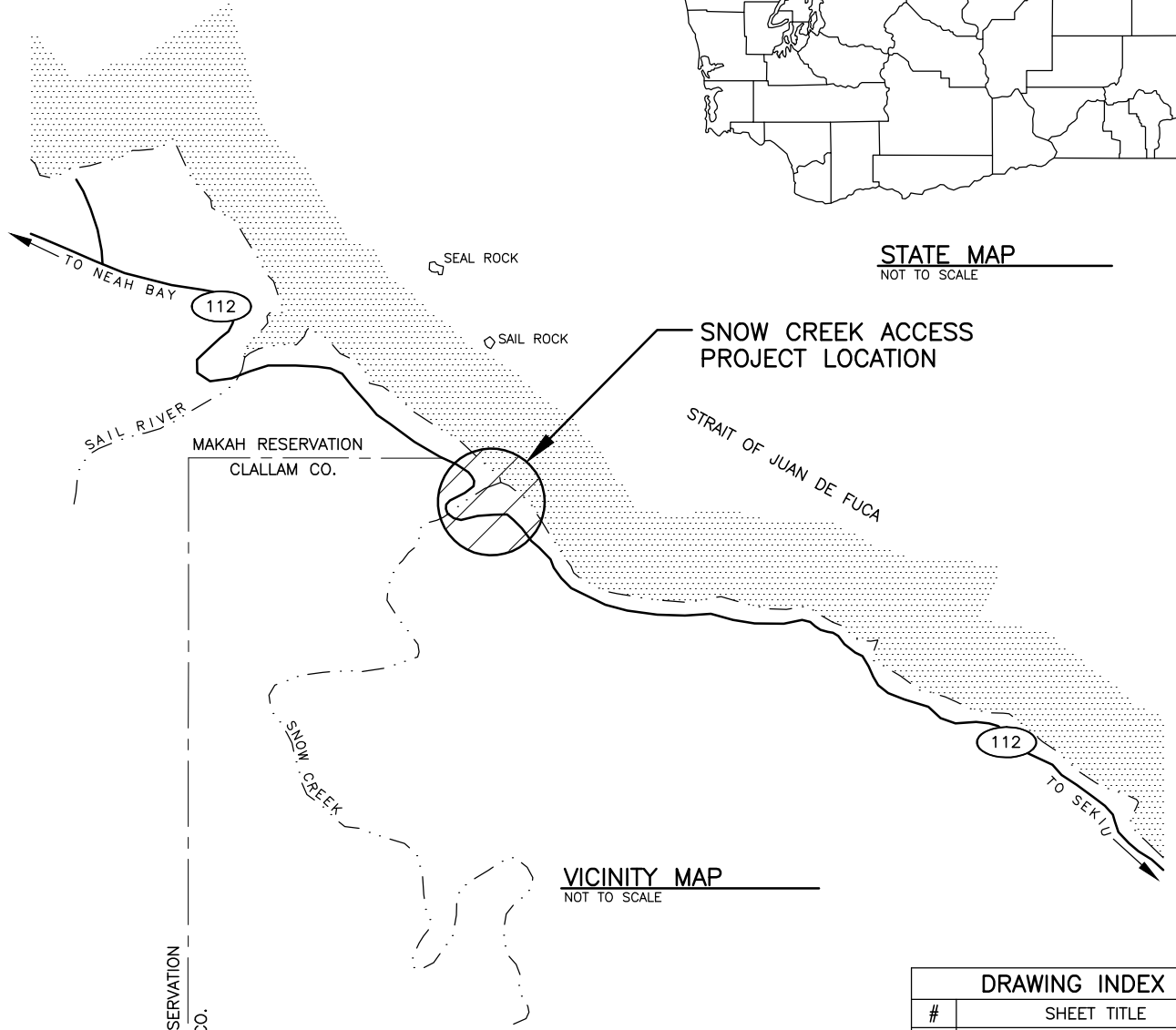




PROJECT LOCATION



**STATE MAP**  
NOT TO SCALE



**SNOW CREEK ACCESS  
PROJECT LOCATION**

**VICINITY MAP**  
NOT TO SCALE

MAKAH RESERVATION  
CLALLAM CO.

**DRAWING INDEX**

#	SHEET TITLE
1	VICINITY MAP
2	EXISTING SITE & DEMOLITION PLAN
3	PARKING AREA DEMOLITION PLAN
4	PROPOSED SITE PLAN
5	EROSION CONTROL DETAILS
6	PARKING SITE PLAN
7	CAMPING SITE PLAN
8	PROPOSED SITE PLAN (BOAT LAUNCH)
9	BOAT LAUNCH PLAN & PROFILE
10	BOAT LAUNCH CONCRETE PANELS
11	PILE ROCK SOCKET SECTION

**DIRECTIONS**

FROM PORT ANGELES HEAD WEST ON  
US-101 FOR - 4.2 MI  
TURN RIGHT ONTO WA-112 W  
FOLLOW FOR - 38.1 MI  
TURN RIGHT AT JUNCTION AND STAY  
ON WA-112 W FOLLOW FOR - 22.3 MI  
DESTINATION WILL BE ON THE RIGHT

ENG. PROJECT NO. CM:A664:2023-1

PORTION OF: SEC 17, T33N, R14W

DRAWN BY: J. LONG

REFERENCE NUMBER: NWS-2023-334

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

ADJACENT PROPERTY OWNER:  
1. **OLYMPIC TIMBER LLC**  
2. **WDFW**

PROJECT LOCATION (ADDRESS):  
**SNOW CREEK RESORT**  
**691 HWY 112**  
**NEAH BAY, WA 98357**

LAT/LONG: **N 48° 21' 12.56"**  
**W 124° 32' 47.18"**

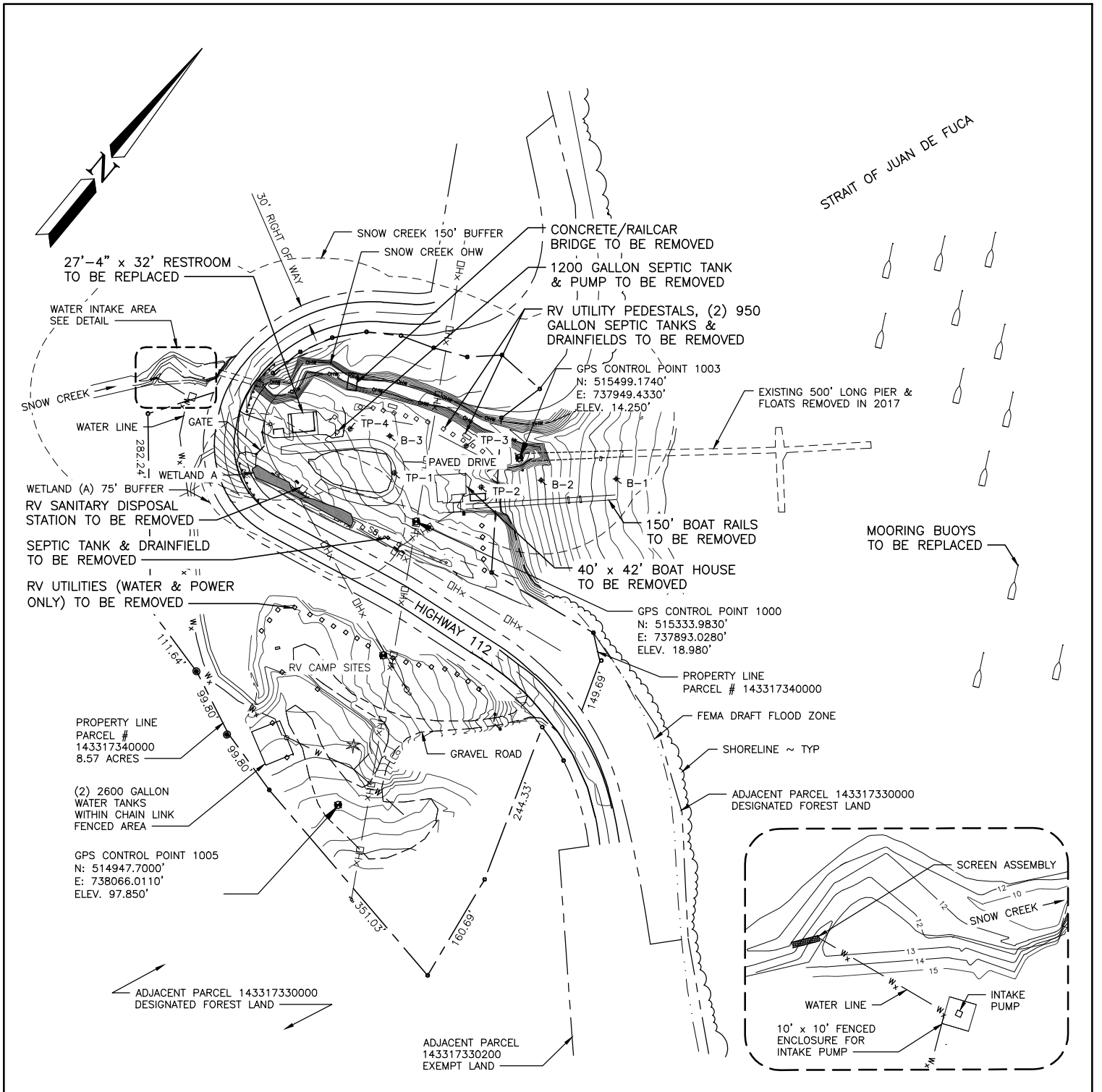
DATUM: **NAVD 88**

SHEET **1** OF **11** DATE: **05/24/2023**

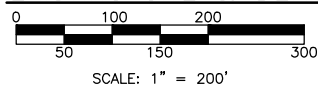
PROPOSED PROJECT:  
**SNOW CREEK RESORT**  
**DEMOLITION & RECONSTRUCTION**

IN: **STRAIT OF JUAN DE FUCA**  
NEAR/AT: **NEAH BAY, WA**  
COUNTY: **CLALLAM**

STATE: **WA**



**EXISTING SITE & DEMOLITION PLAN**



**GEOTECHNICAL EXPLORATION**

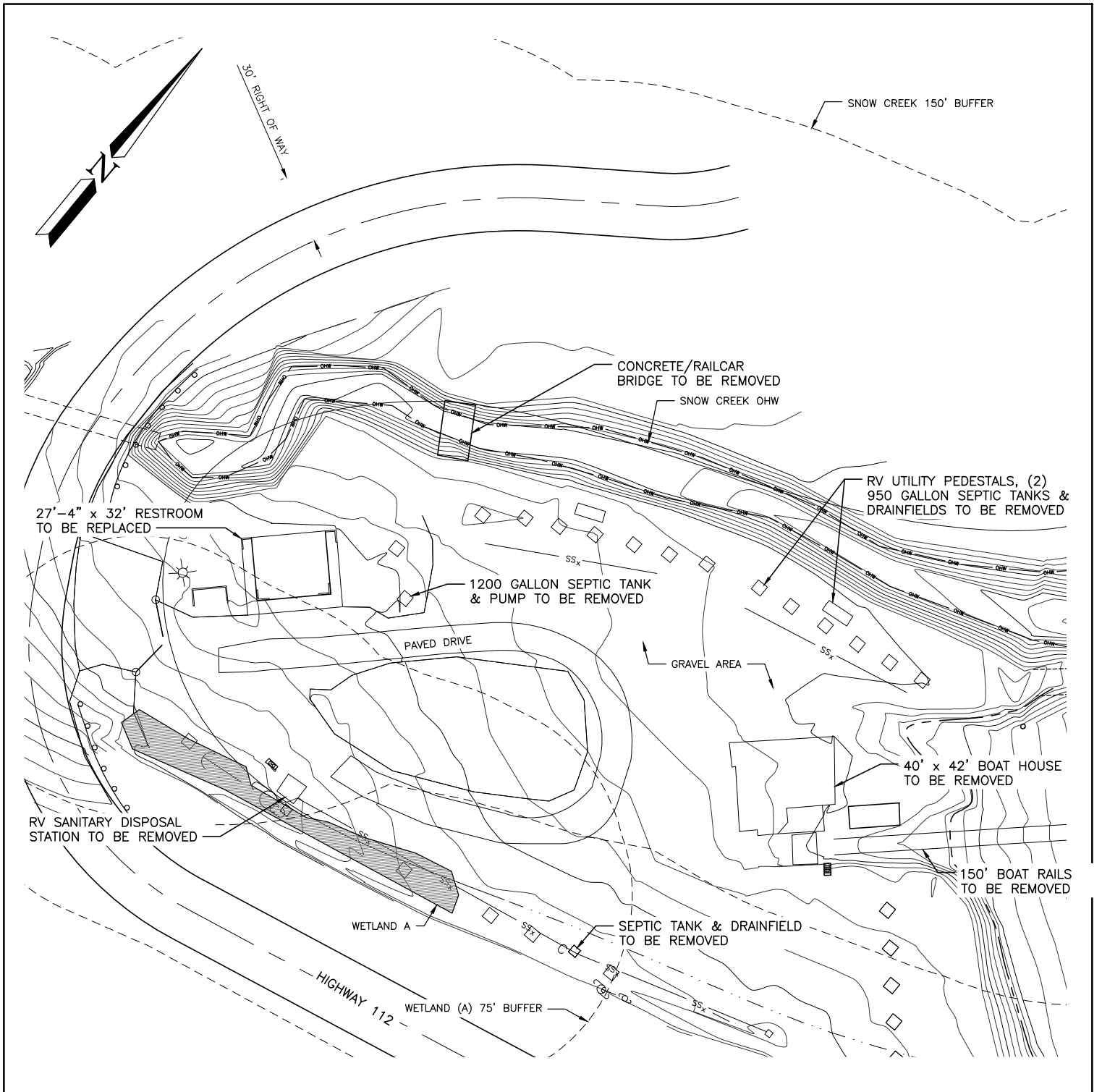
- ⊕ GEOTECH BORING (B-#)
  - ⊕ GEOTECH TEST PIT (TP-#)
- PER GEOTECH REPORT  
DATED 03/09/2023  
BY GEOENGINEERS

**WATER INTAKE DETAIL**

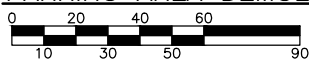
SCALE: 1" = 50'

NOTE:  
IMPROVE EXISTING SCREEN & INTAKE  
PER DOH, NOAA & WDFW STANDARDS

REFERENCE NUMBER: NWS-2023-334  
 APPLICANT NAME:  
 WASHINGTON DEPT. of FISH & WILDLIFE  
 PROPOSED PROJECT:  
 DEMOLITION & RECONSTRUCTION  
 LOCATION: SNOW CREEK RESORT  
 SHEET 2 OF 11 DATE: 05/24/2023



**PARKING AREA DEMOLITION PLAN**

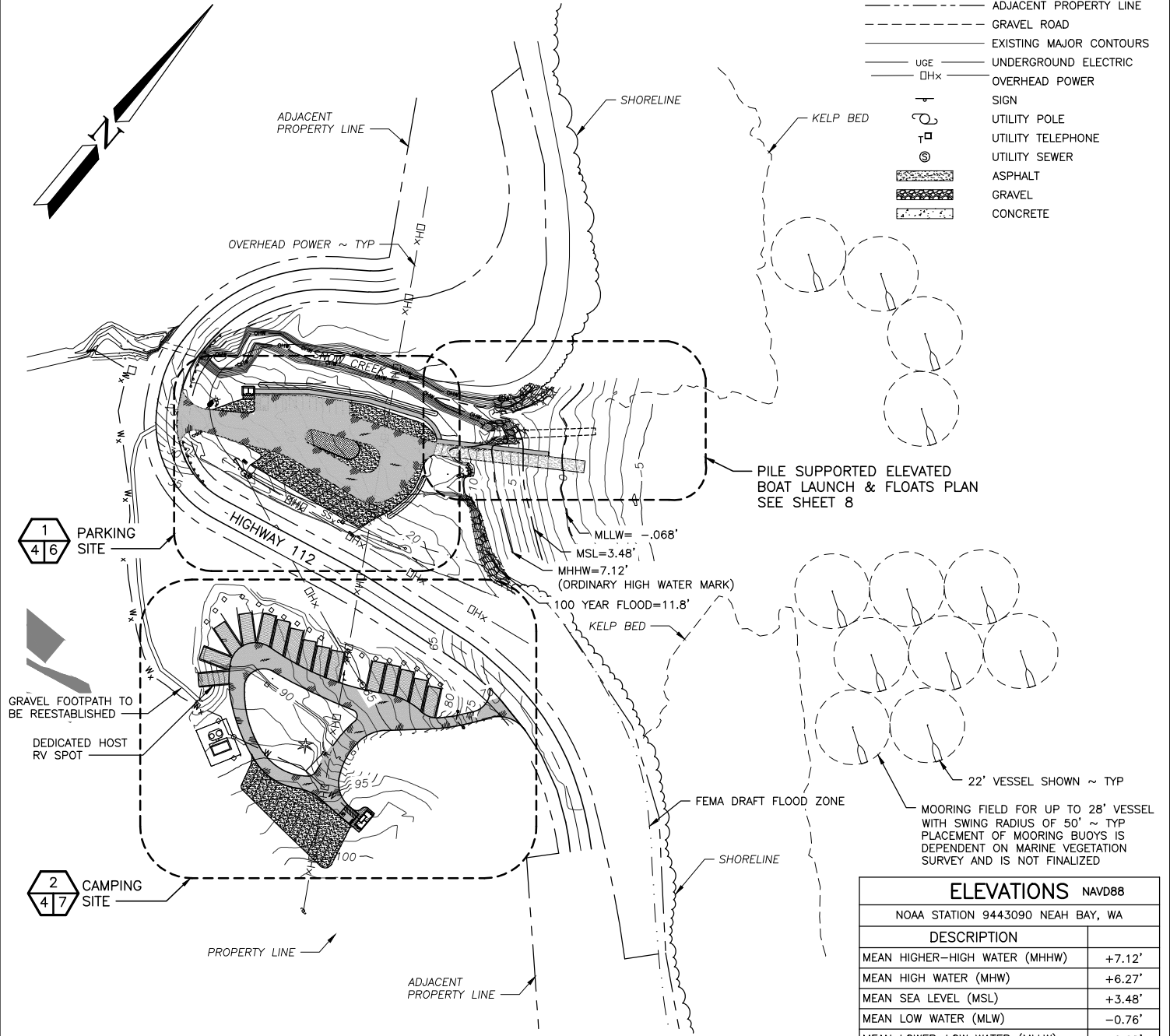


SCALE: 1" = 60'

REFERENCE NUMBER: NWS-2023-334  
 APPLICANT NAME:  
 WASHINGTON DEPT. of FISH & WILDLIFE  
 PROPOSED PROJECT:  
 DEMOLITION & RECONSTRUCTION  
 LOCATION: SNOW CREEK RESORT  
 SHEET 3 OF 11 DATE: 05/24/2023

**LEGEND**

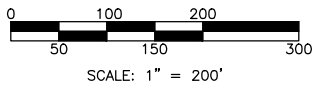
- ADJACENT PROPERTY LINE
- GRAVEL ROAD
- EXISTING MAJOR CONTOURS
- UGE --- UNDERGROUND ELECTRIC
- DHx --- OVERHEAD POWER
- ⊕ SIGN
- ⊕ UTILITY POLE
- ⊕ UTILITY TELEPHONE
- ⊕ UTILITY SEWER
- ▨ ASPHALT
- ▨ GRAVEL
- ▨ CONCRETE



ELEVATIONS NAVD88	
NOAA STATION 9443090 NEAH BAY, WA	
DESCRIPTION	ELEVATION
MEAN HIGHER-HIGH WATER (MHHW)	+7.12'
MEAN HIGH WATER (MHW)	+6.27'
MEAN SEA LEVEL (MSL)	+3.48'
MEAN LOW WATER (MLW)	-0.76'
MEAN LOWER-LOW WATER (MLLW)	-0.68'

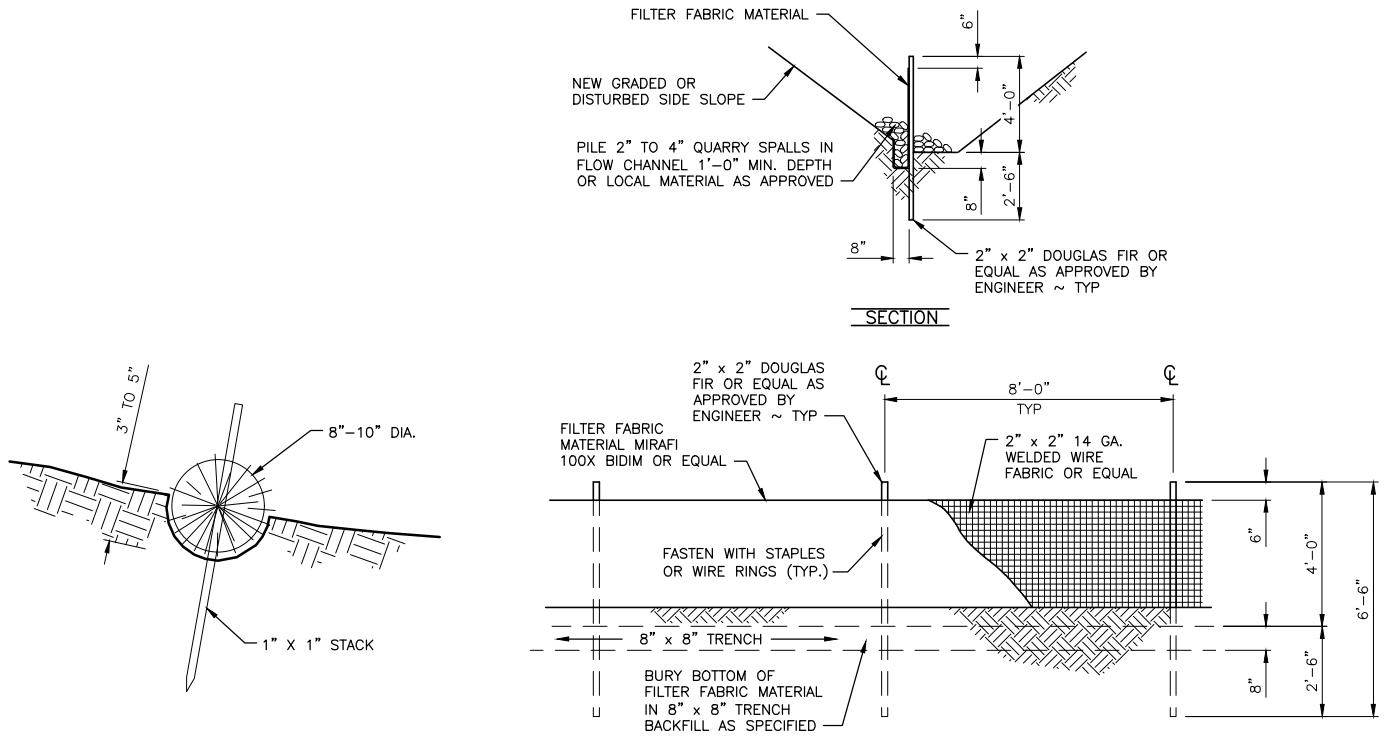
IMPERVIOUS SURFACES		
SURFACE	SQ. FT.	IMPERVIOUS %
PARCEL AREA	8.42 ACRES	367,039
EXISTING ASPHALT	4,355	-
EXISTING GRAVEL	54,010	-
TOTAL EXISTING IMPERVIOUS	58,365	14.7 %
PROPOSED ASPHALT	48,820	-
PROPOSED GRAVEL	21,737	-
TOTAL PROPOSED IMPERVIOUS	70,557	19.2 %

**PROPOSED SITE PLAN**  
SCALE: 1" = 200'



QUANTITIES (IN CUBIC YARDS)				
MATERIALS	CUT BELOW OHW	FILL BELOW OHW	CUT ABOVE OHW	FILL ABOVE OHW
PARKING SITE CSBC	-	-	429	423
PARKING SITE CSTC	-	-	320	299
PARKING SITE ASPHALT	-	-	220	228
CAMPING SITE CSBC	-	-	480	470
CAMPING SITE CSTC	-	-	295	264
CAMPING SITE ASPHALT	-	-	262	253
BOAT LAUNCH ABUTMENT	-	-	120	120
PIER ABUTMENT	-	-	30	30
NET TOTAL	-	-	2156	2087

REFERENCE NUMBER: NWS-2023-334  
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 WASHINGTON DEPT. of FISH & WILDLIFE  
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 DEMOLITION & RECONSTRUCTION  
 LOCATION: SNOW CREEK RESORT  
 SHEET 4 OF 11 DATE: 05/24/2023



**STRAW WATTLE DETAIL**

NOT TO SCALE

**FILTER FABRIC FENCE**

NOT TO SCALE

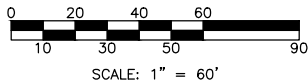
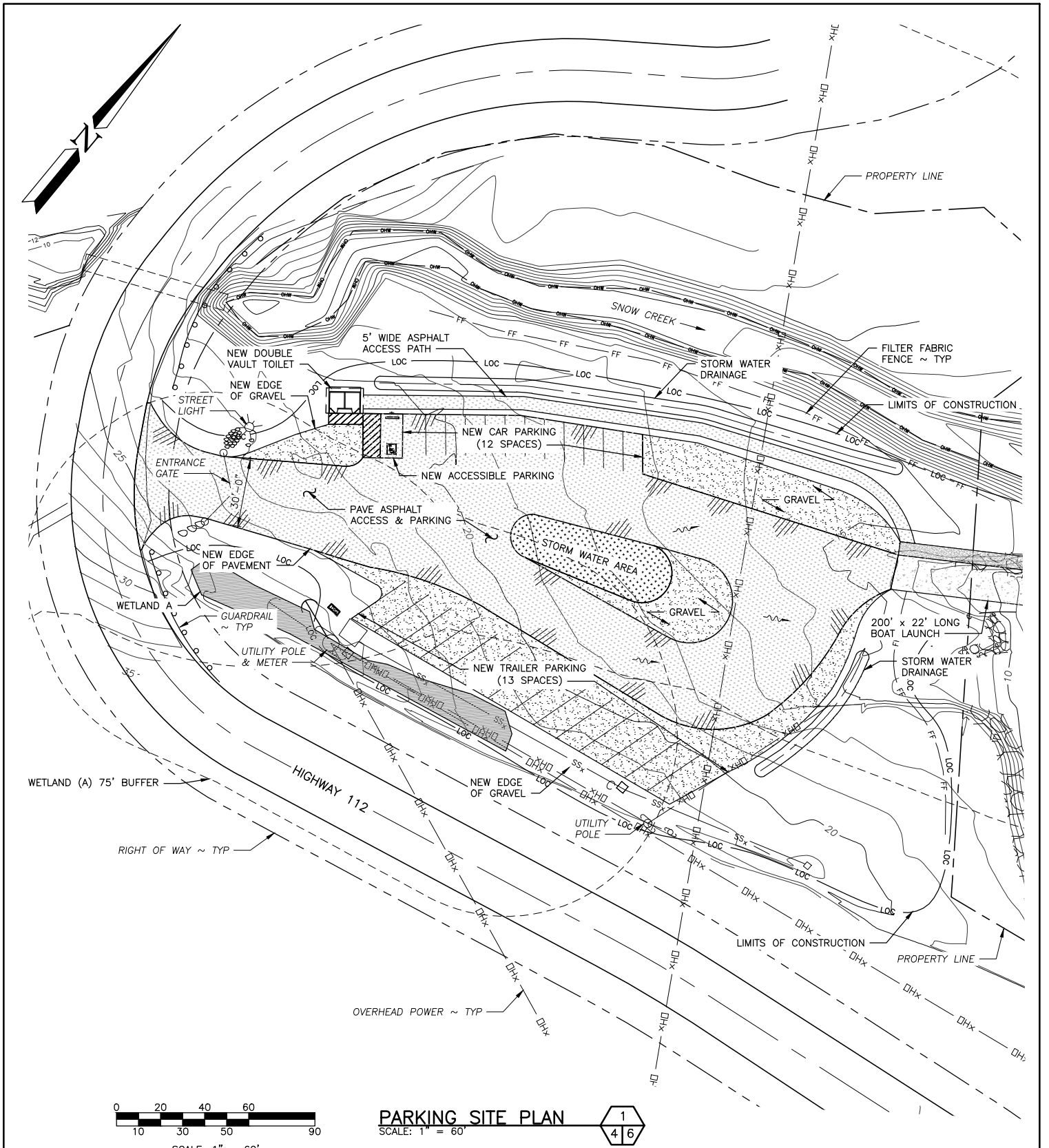
**CONSTRUCTION SPECIFICATIONS:**

1. PREPARE THE SLOPE BEFORE THE WATTLING PROCEDURE IS STARTED.
2. SHALLOW GULLIES SHOULD BE SMOOTHED AS WORK PROGRESSES.
3. DIG SMALL TRENCHES ACROSS THE SLOPE ON CONTOUR, TO PLACE ROLLS IN. THE TRENCH SHOULD BE DEEP ENOUGH TO ACCOMMODATE HALF THE THICKNESS OF THE ROLL. WHEN THE SOIL IS LOOSE AND UNCOMPACTED, THE TRENCH SHOULD BE DEEP ENOUGH TO BURY THE ROLL 2/3 OF ITS THICKNESS BECAUSE THE GROUND WILL SETTLE.
4. IT IS CRITICAL THAT ROLLS ARE INSTALLED PERPENDICULAR TO WATER MOVEMENT, PARALLEL TO THE SLOPE CONTOUR.
5. START BUILDING TRENCHES AND INSTALL ROLLS FROM THE BOTTOM OF THE SLOPE AND WORK UP.
6. CONSTRUCT TRENCHES AT CONTOUR INTERVALS OF 3-12 FEET APART DEPENDING ON STEEPNESS OF SLOPE. THE STEEPER THE SLOPE, THE CLOSER TOGETHER THE TRENCHES. 1:1=10' 2:1=20' 3:1=30' 4:1=40'
7. LAY THE ROLL ALONG THE TRENCHES FITTING IT SNUGLY AGAINST THE SOIL. MAKE SURE NO GAPS EXIST BETWEEN THE SOIL AND THE STRAW WATTLE.
8. USE A STRAIGHT BAR TO DRIVE HOLES THROUGH THE WATTLE AND INTO THE SOIL FOR THE WILLOW OR WOODEN STAKES.
9. DRIVE THE STAKE THROUGH PREPARED HOLE INTO SOIL. LEAVE ONLY 1 OR 2 INCHES OF STAKE EXPOSED ABOVE ROLL.
10. IF USING WILLOW STAKES REFER TO LIVE STAKING BEST MANAGEMENT PRACTICES.
11. INSTALL STAKES AT LEAST EVERY 4 FEET APART THROUGH THE WATTLE. ADDITIONAL STAKES MAY BE DRIVEN ON THE DOWNSLOPE SIDE OF THE TRENCHES ON HIGHLY EROSION OR VERY STEEP SLOPES.
12. INSPECT THE STRAW ROLLS AND THE SLOPES AFTER SIGNIFICANT STORMS. MAKE SURE THE ROLLS ARE IN CONTACT WITH THE SOIL.
13. REPAIR ANY RILLS OR GULLYS PROMPTLY.
14. RESEED OR REPLANT VEGETATION IF NECESSARY UNTIL THE SLOPE IS STABILIZED.

**FILTER FABRIC NOTES:**

1. FILTER FABRIC SHALL BE PURCHASED CONTINUOUS ROLL CUT TO LENGTH OF BARRIER AS NEEDED. IF JOINTS ARE NECESSARY FABRIC SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POSTS WITH A MINIMUM OF (6) INCH OVERLAP. BOTH ENDS SHALL BE SECURED AS REQUIRED.
2. FILTER FABRIC SHALL BE INSTALLED TO FOLLOW CONTOURS. FENCE POSTS SHALL BE SPACED A MAXIMUM OF EIGHT (8) FEET APART UNLESS OTHERWISE SHOWN HEREIN. ALL POSTS SHALL BE DRIVEN INTO THE GROUND A MINIMUM OF 30 INCHES.
3. A TRENCH SHALL BE EXCAVATED, ROUGHLY EIGHT (8) INCHES WIDE BY EIGHT (8) INCHES DEEP UP SLOPE AND ADJACENT TO THE POST TO ALLOW THE FILTER FABRIC TO BE BURIED.
4. WHEN STANDARD STRENGTH FILTER FABRIC IS UTILIZED, A WIRE SINGLE SPACE MESH SUPPORT FENCE SHALL BE FASTENED TO THE UPSLOPE (OR UPSTREAM) SIDE OF THE POSTS USING ONE (1) INCH MINIMUM LENGTH WIRE STAPLES, TIE WIRE OR APPROVED HOG RINGS. ALL WIRE SUPPORT SHALL EXTEND INTO THE TRENCH A MINIMUM OF FOUR (4) INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE ORIGINAL GRADE.
5. ALL FILTER FABRIC SHALL BE STAPLED OR WIRED TO SUPPORT FENCING AND A MINIMUM OF 20 INCHES OF FABRIC SHALL BE EXTENDED INTO THE TRENCH. FILTER FABRIC SHALL NOT BE STAPLED OR FASTENED TO EXISTING TREES OR STRUCTURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
6. IF HIGH STRENGTH FILTER FABRIC AND CLOSER SPACING ARE USED, THE WIRE SUPPORT FENCING MAY BE ELIMINATED. HIGH STRENGTH FABRIC SHALL BE STAPLED OR WIRED DIRECTLY TO POSTS AS REQUIRED BY THE ENGINEER.
7. CUTOFF TRENCH SHALL BE BACKFILLED WITH 3/4 INCH MINIMUM DIAMETER WASHED GRAVEL OR OTHER SIMILAR SOURCE AS APPROVED BY THE ENGINEER.
8. FILTER FENCING SHALL BE INSTALLED WHERE SHOWN ON THE PLAN, OR AS MARKED IN THE FIELD BY THE ENGINEER, PRIOR TO COMMENCEMENT OF WORK. ALL FENCING SHALL BE INSPECTED DAILY DURING CONSTRUCTION AND AFTER EACH SIGNIFICANT RAINFALL EVENT UNTIL SITE HAS BEEN PERMANENTLY STABILIZED. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
9. REMOVAL OF TRAPPED SEDIMENT SHALL BE PERFORMED WHEN AMOUNTS REACH APPROXIMATELY 1/3 HEIGHT OF THE FENCE.
10. FILTER FENCING SHALL REMAIN IN-PLACE UNTIL SITE HAS BEEN REVEGETATED TO ORIGINAL CONDITION OR DIRECTED BY THE ENGINEER.

REFERENCE NUMBER: NWS-2023-334  
 APPLICANT NAME:  
 WASHINGTON DEPT. of FISH & WILDLIFE  
 PROPOSED PROJECT:  
 DEMOLITION & RECONSTRUCTION  
 LOCATION: SNOW CREEK RESORT  
 SHEET 5 OF 11 DATE: 05/24/2023

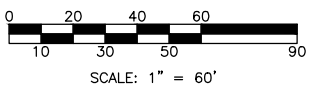
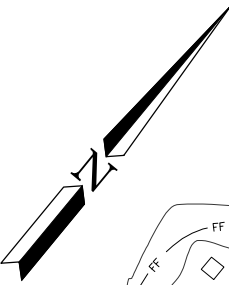
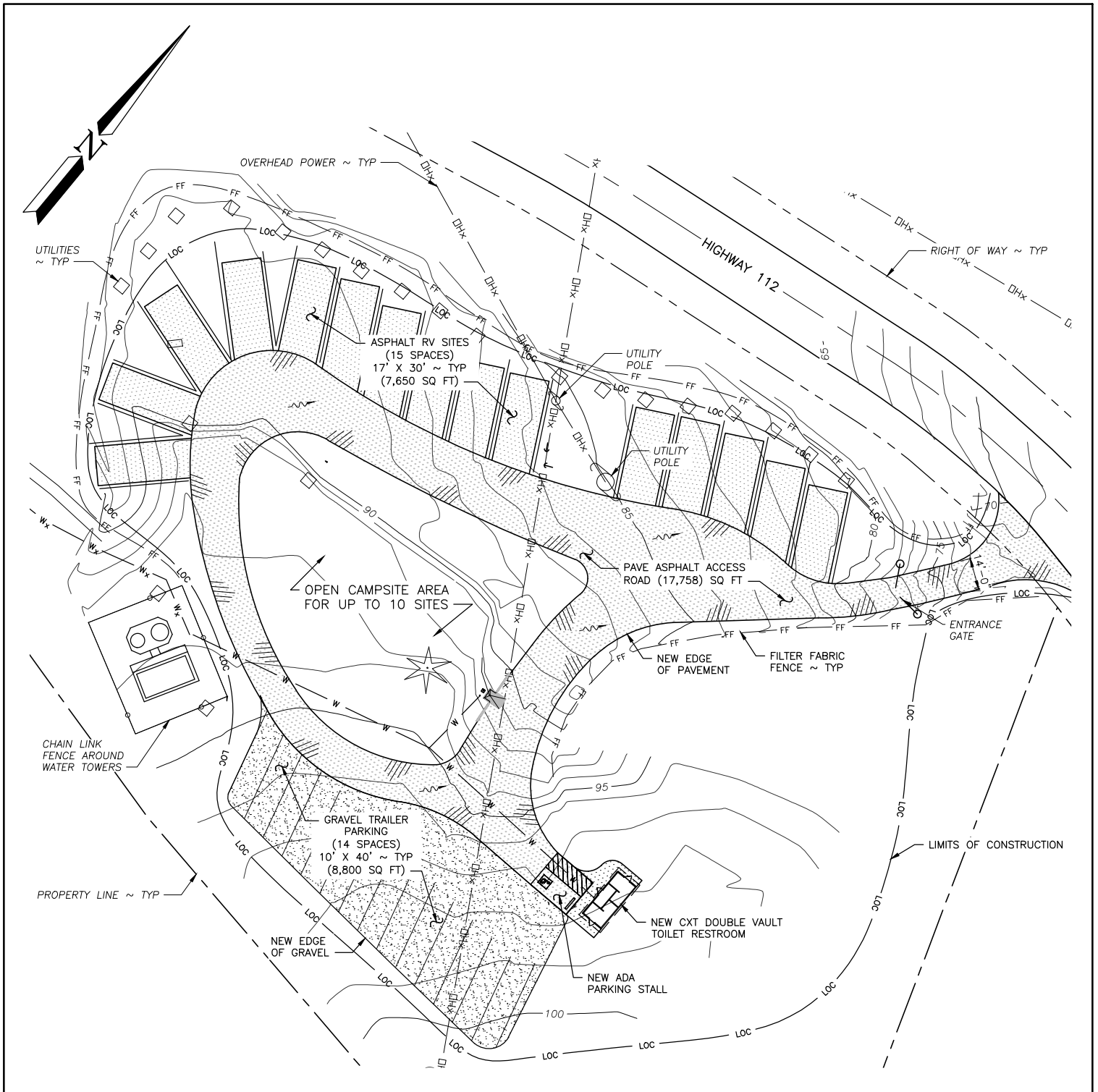


**PARKING SITE PLAN**

SCALE: 1" = 60'



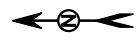
REFERENCE NUMBER: NWS-2023-334  
 APPLICANT NAME:  
 WASHINGTON DEPT. of FISH & WILDLIFE  
 PROPOSED PROJECT:  
 DEMOLITION & RECONSTRUCTION  
 LOCATION: SNOW CREEK RESORT  
 SHEET 6 OF 11 DATE: 05/24/2023



**CAMPING SITE PLAN**



REFERENCE NUMBER: NWS-2023-334  
 APPLICANT NAME:  
 WASHINGTON DEPT. of FISH & WILDLIFE  
 PROPOSED PROJECT:  
 DEMOLITION & RECONSTRUCTION  
 LOCATION: SNOW CREEK RESORT  
 SHEET 7 OF 11 DATE: 05/24/2023



STRAIT OF JUAN DE FUCA

EBB  
FLOOD

VESSEL MOORING FIELD FOR UP TO (12) TWELVE 28' RECREATIONAL VESSELS USING SYNTHETIC PENDANT/CHAIN DESIGN - SWING RADIUS 75 FT MAX. TYP.

MOORING BUOY ANCHOR, TYP.

EXTRAPOLATED CONTOURS (EL. -5.0' TO -25.0') BASED ON UPLAND SURVEY SLOPE FROM EL. 0.0' TO -4.0' NAVD88

EXISTING KELP BED

75' CLR

LEGEND	
	NEW CONCRETE
	NEW ALUMINUM GANGWAY
	NEW HANDLING FLOATS
	EXISTING CONTOUR
	MEAN LOWER LOW WATER
	MEAN HIGHER HIGH WATER

EXISTING KELP BED

75' CLR

**NOTES**

1. BATHYMETRY IS BASED ON DATA PROVIDED BY WA. DEPT. OF FISH AND WILDLIFE, AND THE EXTRAPOLATION OF DATA.
2. ADDITIONAL BATHYMETRIC DATA IS REQUIRED TO DETERMINE THE FINAL SWING RADIUS OF THE MOORING BUOYS

MLLW EL. -0.68' (NAVD88)

65' x 5' TRANSITION GANGWAY

MHW EL. +7.12' (NAVD88)

120' LONG x 8' WIDE HANDLING FLOATS

-14% SLOPE

-1% SLOPE FROM EL. +14.0'

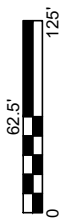
HANDLING FLOAT CONC. ABUTMENT

200' LONG SINGLE LANE, PILE SUPPORTED BOAT LAUNCH WITH CURB

EXISTING FACILITY STRUCTURES TO BE REMOVED AND RELOCATED (BY OTHERS)

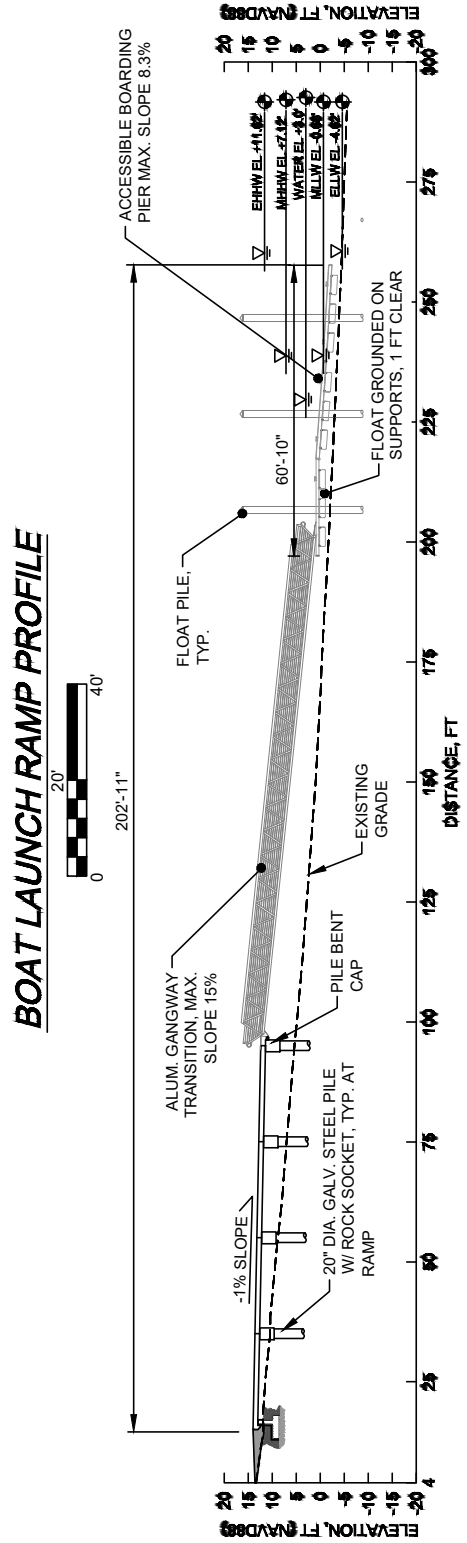
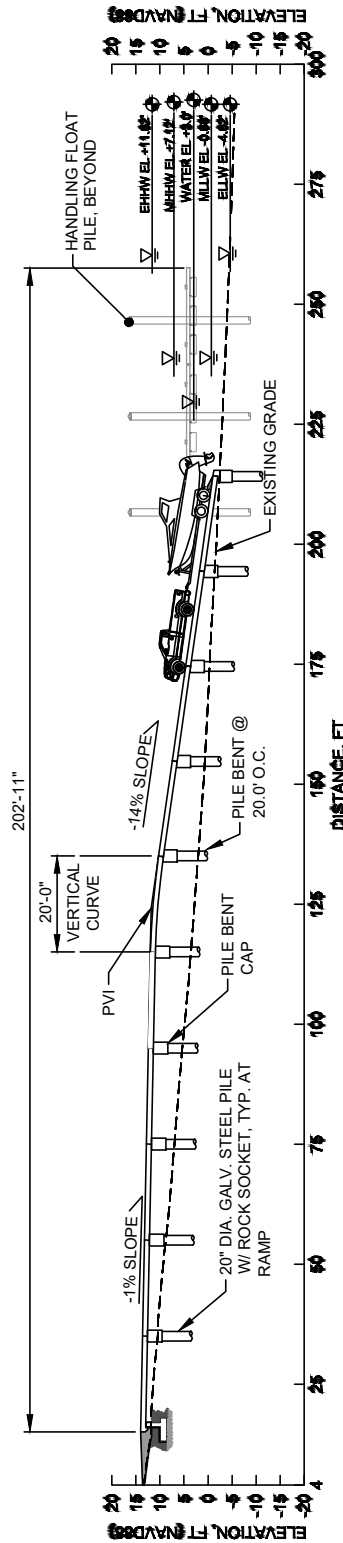
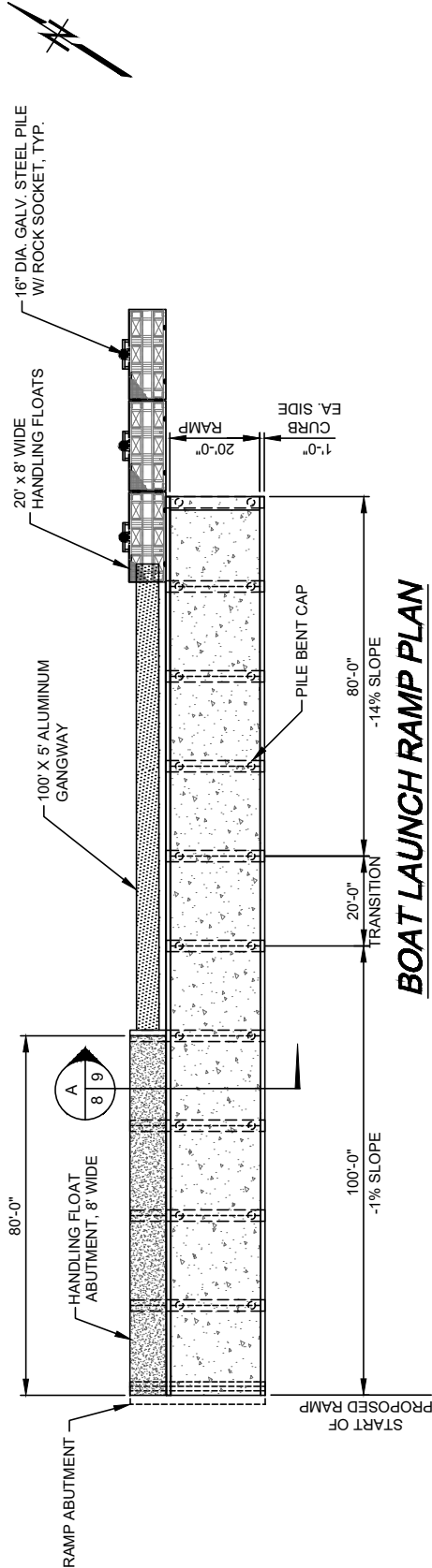
(SEE SHEETS 1-10 FOR UPLAND WORK)

**PROPOSED SITE PLAN**

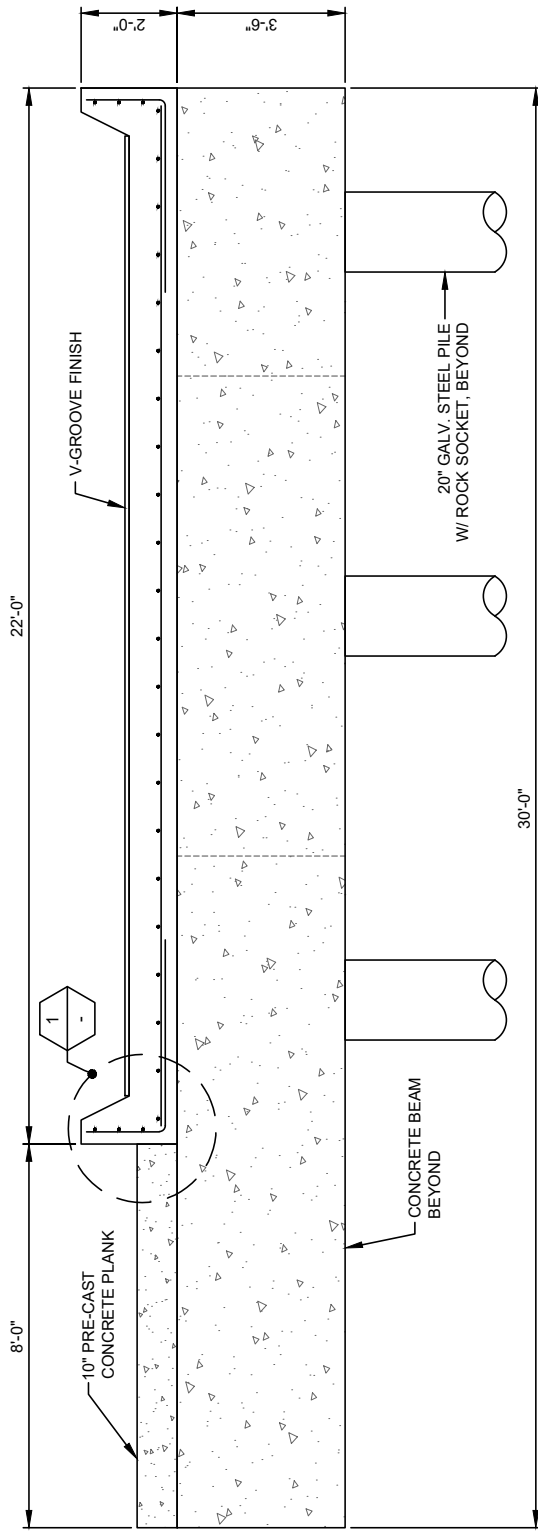


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 APPLICANT NAME:  
 WASHINGTON DEPT. OF FISH & WILDLIFE  
 PROPOSED PROJECT:  
 DEMOLITION & RECONSTRUCTION  
 LOCATION: SNOW CREEK RESORT  
 SHEET 8 OF 11 DATE: 05/24/2023

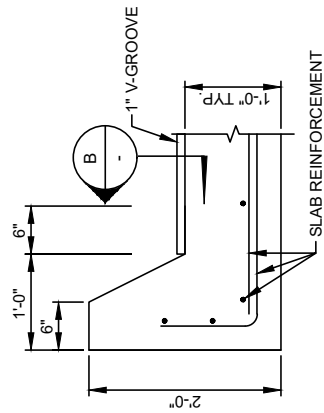




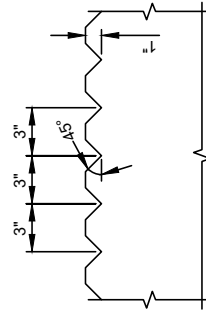
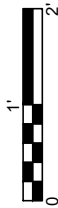
REFERENCE NUMBER: NWS-2023-334  
 APPLICANT NAME:  
 WASHINGTON DEPT. of FISH & WILDLIFE  
 PROPOSED PROJECT:  
 DEMOLITION & RECONSTRUCTION  
 LOCATION: SNOW CREEK RESORT  
 SHEET 9 OF 11 DATE: 05/24/2023



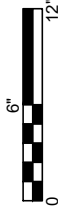
**SECTION - ABUTMENT**



**DETAIL - CURB**

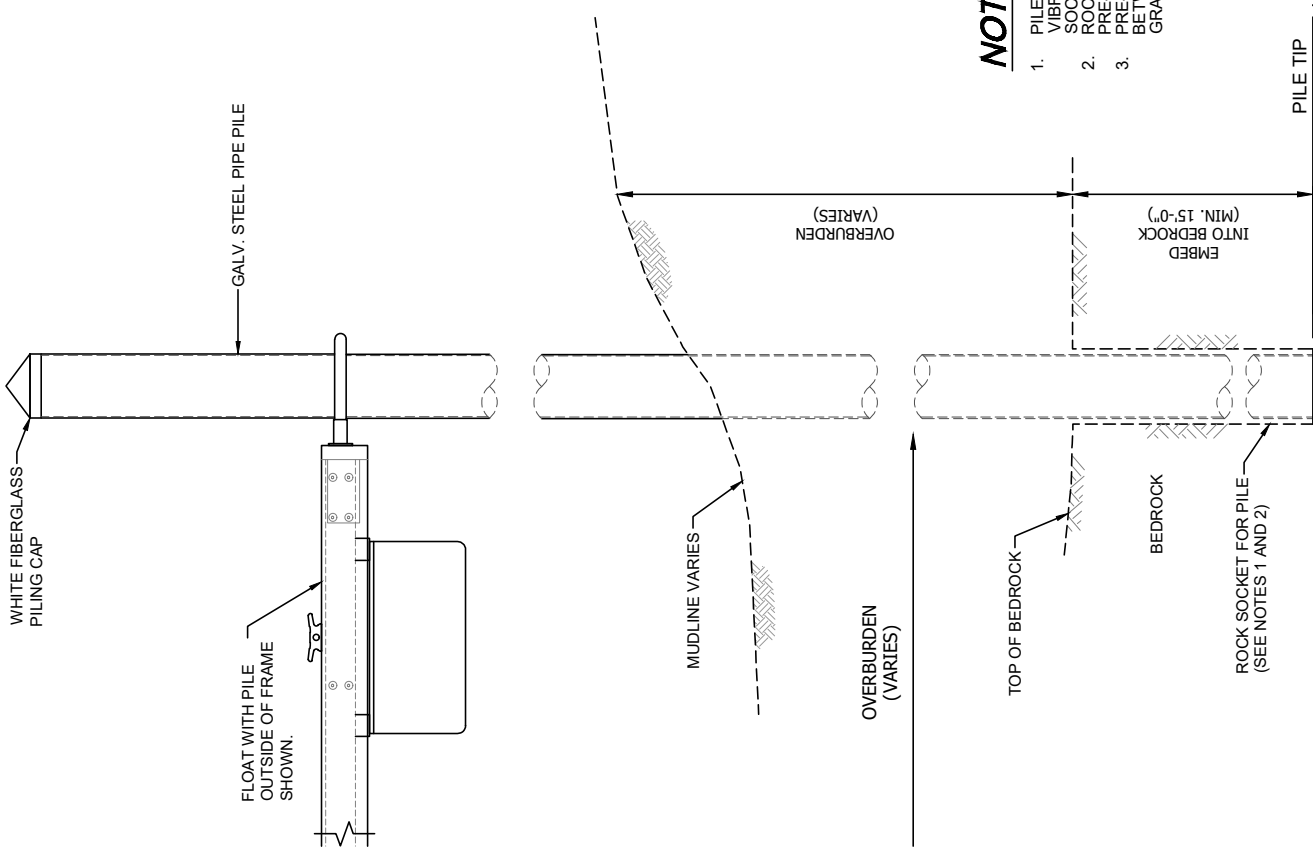


**V-GROOVE FINISH**



BOAT RAMP CONCRETE PANELS

REFERENCE NUMBER: NWS-2023-334  
 APPLICANT NAME:  
 WASHINGTON DEPT. of FISH & WILDLIFE  
 PROPOSED PROJECT:  
 DEMOLITION & RECONSTRUCTION  
 LOCATION: SNOW CREEK RESORT  
 SHEET 10 OF 11 DATE: 05/24/2023



**NOTES**

1. PILES TO BE INSTALLED USING A COMBINATION OF VIBRATORY HAMMER AND ROCK DRILLING FOR ROCK SOCKET.
2. ROCK SOCKET WILL BE CONSTRUCTED EITHER BY PRE-DRILLING TO THE REQUIRED DEPTH OR BY CASING.
3. PRE-DRILLING WILL CONSIST OF FILLING THE SPACE BETWEEN THE PILE AND THE DRILLED HOLE WITH GRANULAR MATERIAL.

**SECTION - PILE ROCK SOCKET**

REFERENCE NUMBER: NWS-2023-334  
 APPLICANT NAME:  
 WASHINGTON DEPT. of FISH & WILDLIFE  
 PROPOSED PROJECT:  
 DEMOLITION & RECONSTRUCTION  
 LOCATION: SNOW CREEK RESORT  
 SHEET 11 OF 11 DATE: 05/24/2023