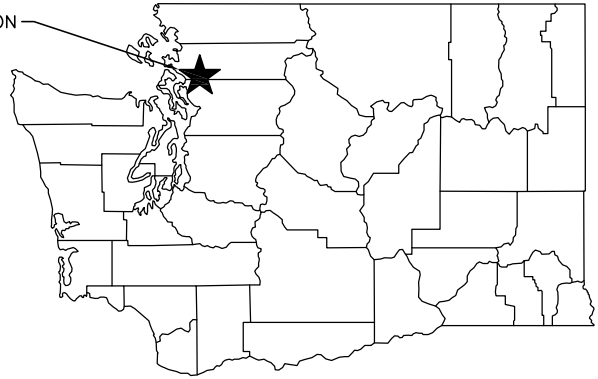
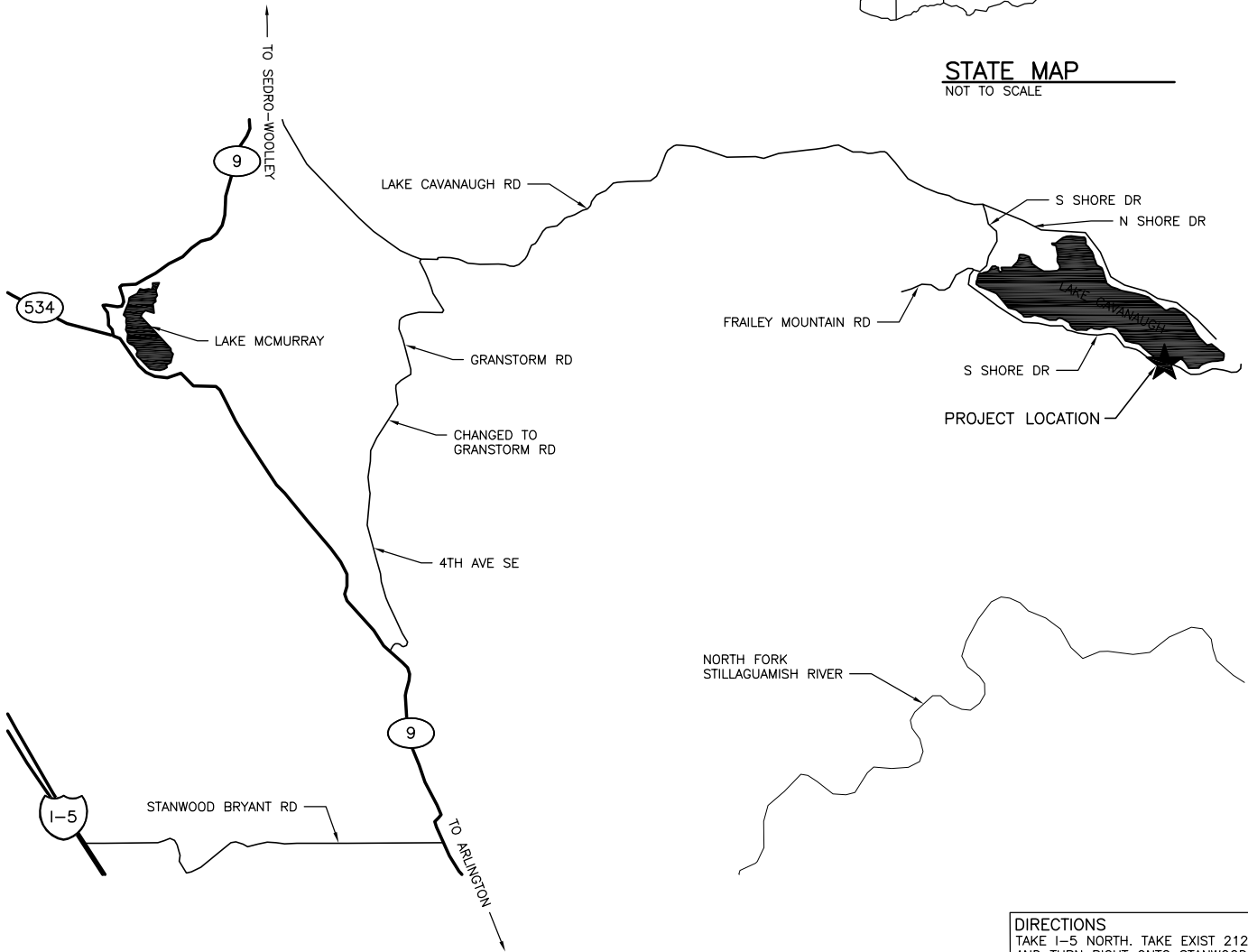




PROJECT LOCATION



STATE MAP
NOT TO SCALE



DIRECTIONS
TAKE I-5 NORTH. TAKE EXIST 212 AND TURN RIGHT ONTO STANWOOD BRYANDT RD. TURN LEFT ONTO HWY 9. THEN TURN RIGHT ONTO 4TH AVE NE. 4TH TURNS INTO GRANSTORM RD. KEEP LEFT ON GRANSTORM RD UNTIL YOU COME TO LAKE CAVANAUGH RD. TURN RIGHT AND FOLLOW THIS RD TO S SHORE DR. FOLLOW S SHORE DRVE TO PROJECT SITE ON THE LEFT.

ENG. PROJECT NO. ST:A510:2019-1

PORTION OF: S35, T33N, R6E, WM

DRAWN BY: S. ASHLER

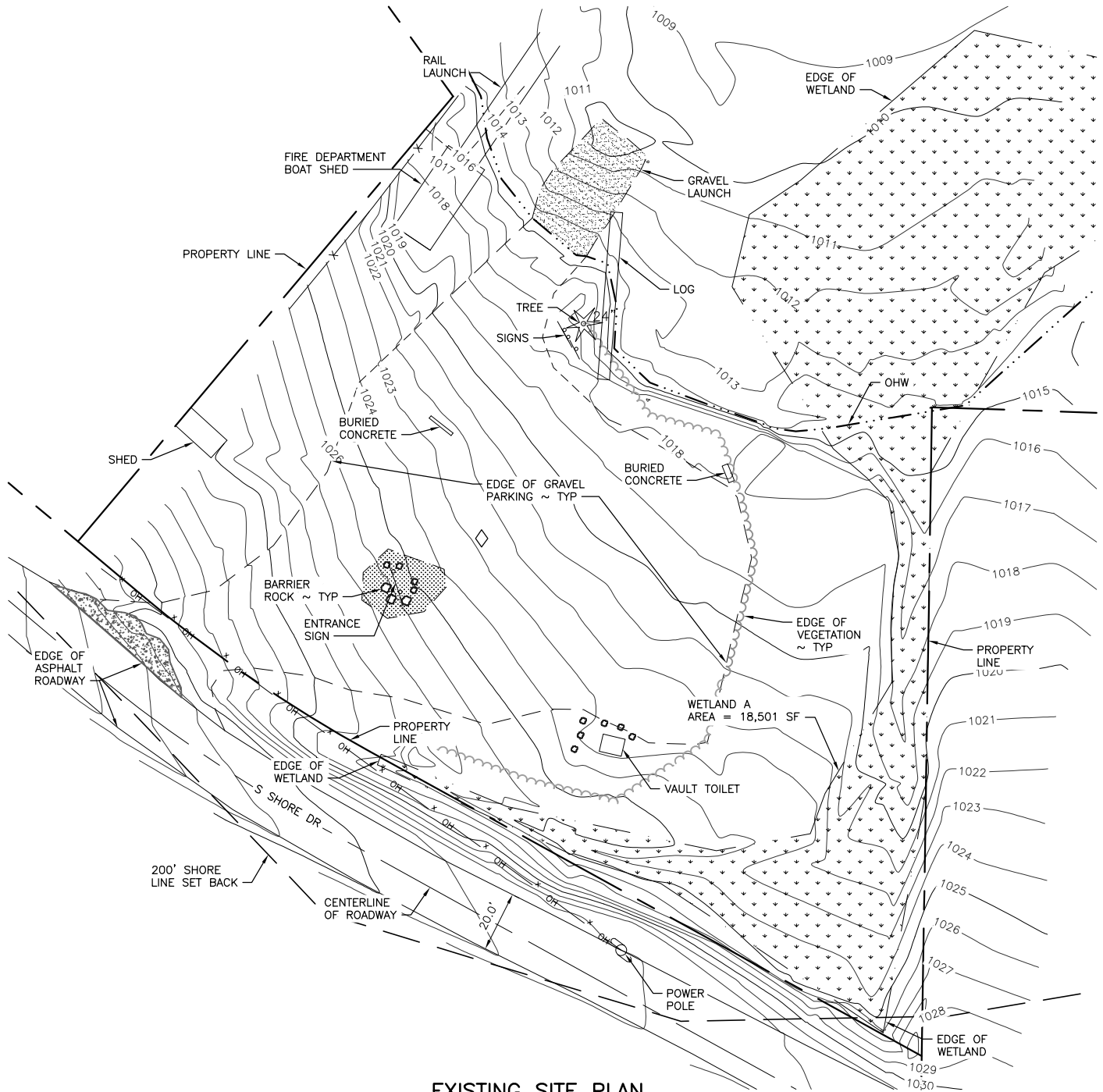
REFERENCE NUMBER:
APPLICANT:
WASHINGTON DEPT. of FISH & WILDLIFE
600 CAPITOL WAY N.
OLYMPIA, WA 98501-1091
ADJACENT PROPERTY OWNER:

PROJECT LOCATION (ADDRESS):
LAKE CAVANAUGH ACCESS
34951 S SHORE DR,
MT. VERNON, WA

PROPOSED PROJECT:
LAKE CAVANAUGH ACCESS
ACCESS REDEVELOPMENT

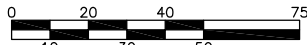
1. LAT/LONG: 48.31089848, -121.98860748
2. DATUM: NAVD 88
SHEET 1 OF 12 DATE: 11/25/2020

IN: LAKE CAVANAUGH
NEAR/AT: MT VERNON
COUNTY: SKAGET
STATE: WA



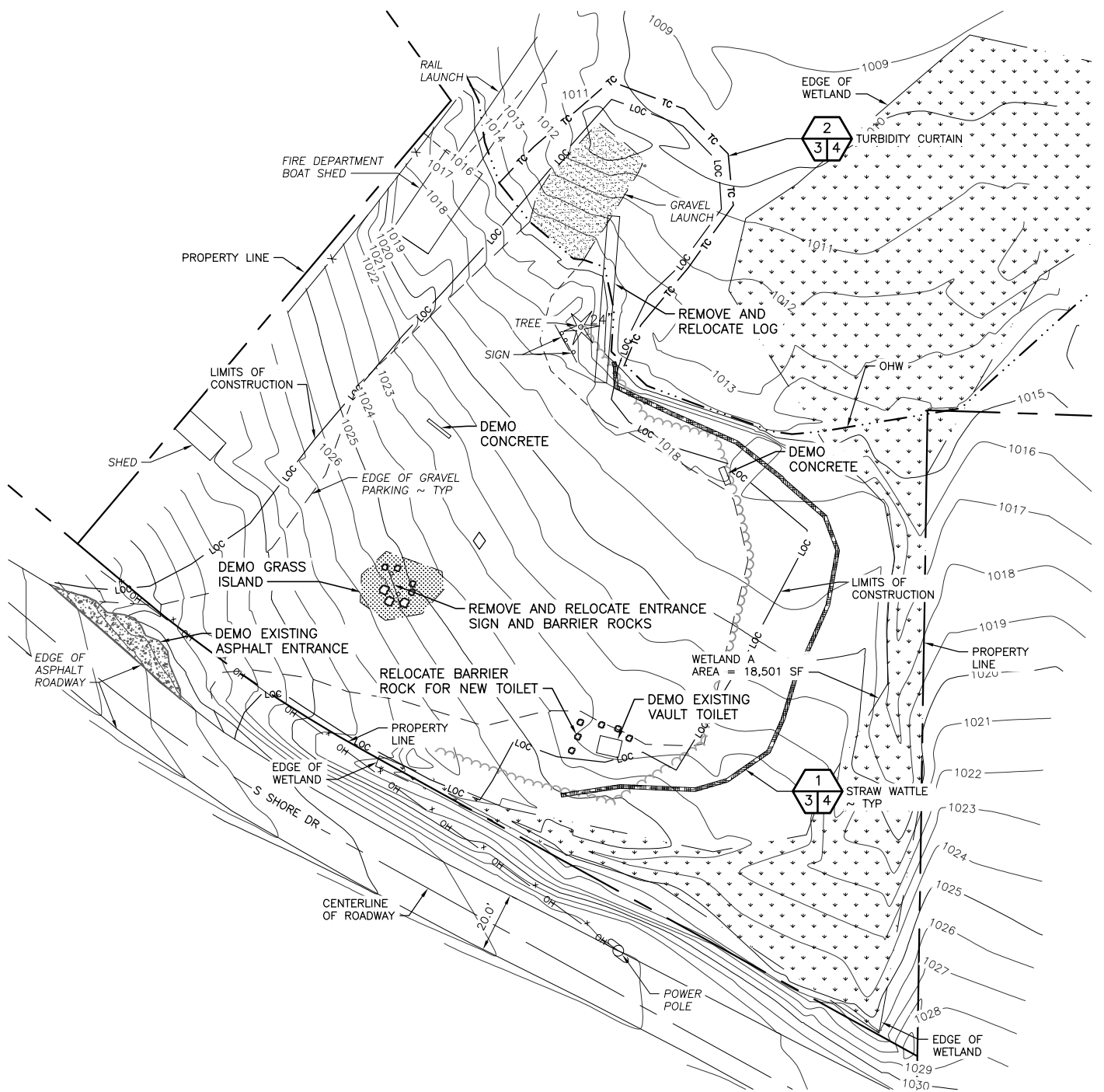
EXISTING SITE PLAN

SCALE: 1" = 50'



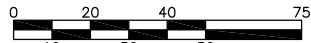
SCALE: 1" = 50'

REFERENCE NUMBER:
APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
PROPOSED PROJECT:
ACCESS REDEVELOPMENT
LOCATION: LAKE CAVANAUGH
SHEET 2 OF 12 DATE: 11/25/2020



EROSION AND DEMOLITION SITE PLAN

SCALE: 1" = 50'

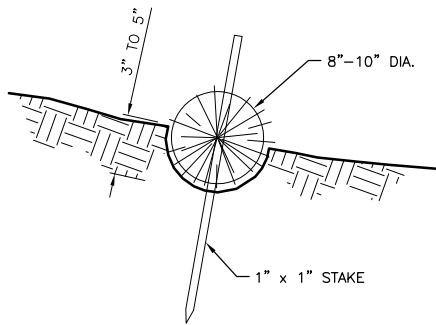


SCALE: 1" = 50'

LEGEND

- TURBIDITY CURTAIN — TC — TC — TC —
- LIMITS OF CONSTRUCTION — Loc —
- OVER HEAD POWER — OHx — OHx — OHx —
- VEGETATION ~~~~~

REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: LAKE CAVANAUGH
 SHEET 3 OF 12 DATE: 11/25/2020



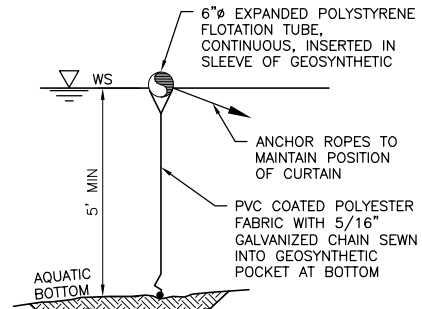
STRAW WATTLE DETAIL

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS:

1. PREPARE THE SLOPE BEFORE THE WATTLEING PROCEDURE IS STARTED.
2. SMOOTH SHALLOW GULLIES 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. ROLLS SHALL BE INSTALLED PERPENDICULAR TO WATER MOVEMENT, PARALLEL TO THE SLOPE CONTOUR.
5. BUILD TRENCHES AND INSTALL ROLLS FROM THE BOTTOM OF THE SLOPE AND WORK UP.
6. CONSTRUCT TRENCHES AT CONTOUR INTERVALS 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 SLOPES ARE STABILIZED.



TURBIDITY CURTAIN

NOT TO SCALE



NOTES:

1. FABRIC IS 22 OUNCES PER S.Y.

REFERENCE NUMBER:

APPLICANT NAME:

WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

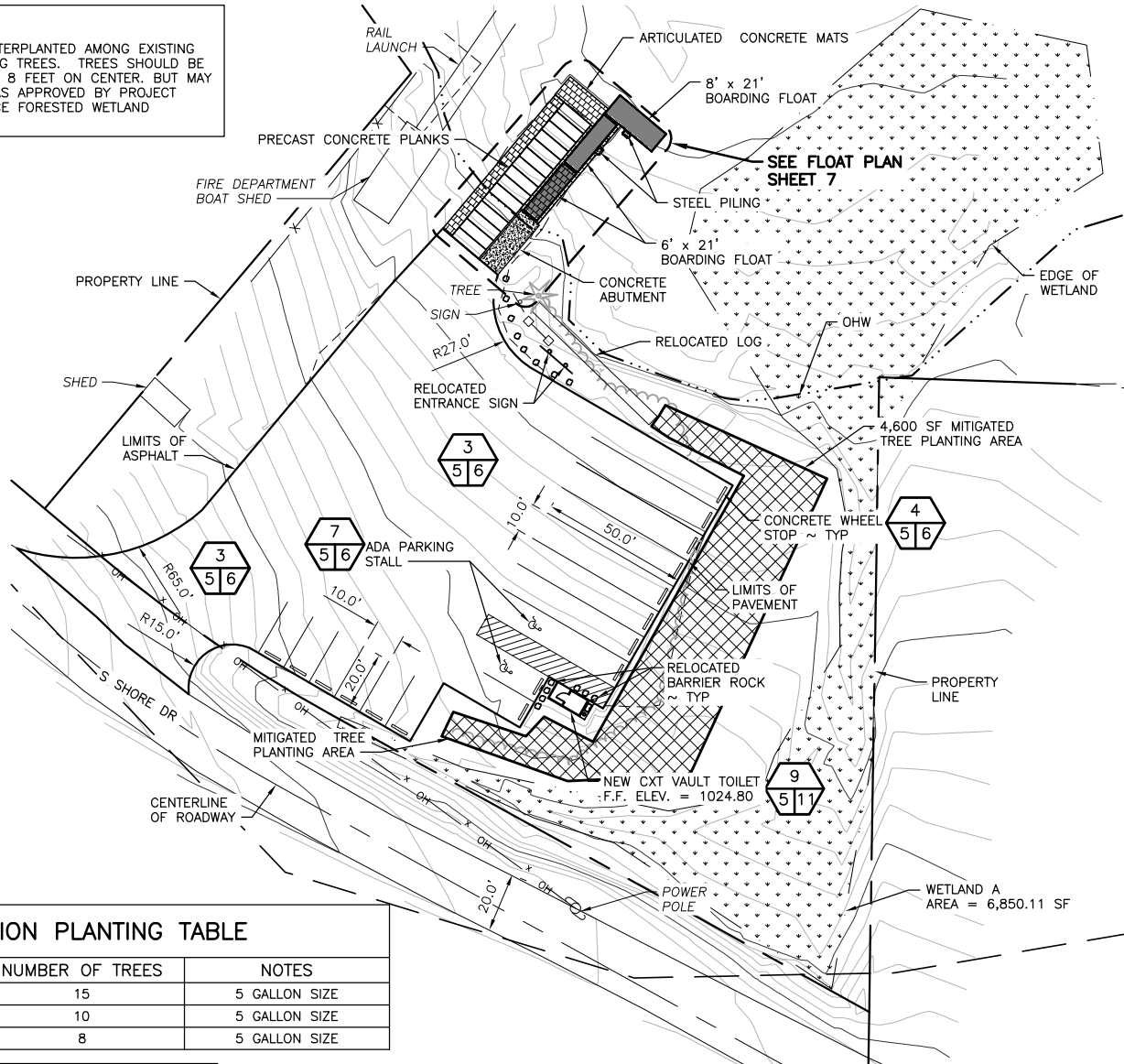
ACCESS REDEVELOPMENT

LOCATION: LAKE CAVANAUGH

SHEET 4 OF 12 DATE: 11/25/2020

NOTE:

TREES ARE TO BE INTERPLANTED AMONG EXISTING VEGETATION, INCLUDING TREES. TREES SHOULD BE PLANTED AT ROUGHLY 8 FEET ON CENTER, BUT MAY BE PLACED CLOSER AS APPROVED BY PROJECT BIOLOGIST TO ENHANCE FORESTED WETLAND BUFFERS.



MITIGATION PLANTING TABLE

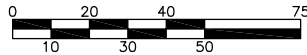
SPECIES	NUMBER OF TREES	NOTES
WESTERN RED CEDAR	15	5 GALLON SIZE
WESTERN HEMLOCK	10	5 GALLON SIZE
RED ALDER	8	5 GALLON SIZE

PARKING LOT CUT & FILL CY DATA

MATERIAL	ABOVE OHW	
	CUT	FILL
EXISTING GRAVEL/SOILS	11.00 CY	-
NEW FILL	-	433.11 CY
NEW ASPHALT	-	183.14 CY
TOTAL/NET CHANGE	11.00 CY	616.25 CY

NEW SITE PLAN

SCALE: 1" = 50'



SCALE: 1" = 50'

RAMP CUT & FILL CY DATA

MATERIAL	ABOVE OHW		BELOW OHW		SQ.FT. OF IMPACT	
	CUT	FILL	CUT	FILL	ABOVE OHW	BELOW OHW
EXISTING GRAVEL/SOILS	15.49 CY	0.00	34.88 CY	0.00	334.56	946.34
ARTICULATED CONCRETE MAT	-	2.94 CY	-	24.02 CY	79.50	648.67
CLEAN GRAVEL	-	11.61 CY	-	13.81 CY	313.40	1130.18
CEMENT PLANK	-	8.66 CY	-	17.83 CY	233.97	481.41
TOTAL	15.49 CY	23.21 CY	34.88 CY	55.66 CY	313.40	1130.18

TOTAL CUT & FILL TABLE

	ABOVE OHW	BELOW OHW
CUT	26.00	34.88
FILL	616.25	55.66
NET	0.00	0.00

PARKING SURFACE AREAS TABLE

EXISTING	PROPOSED	NET CHANGE
18,324.54 SF	19,779.00 SF	+ 1,454.46 SF

REFERENCE NUMBER:

APPLICANT NAME:

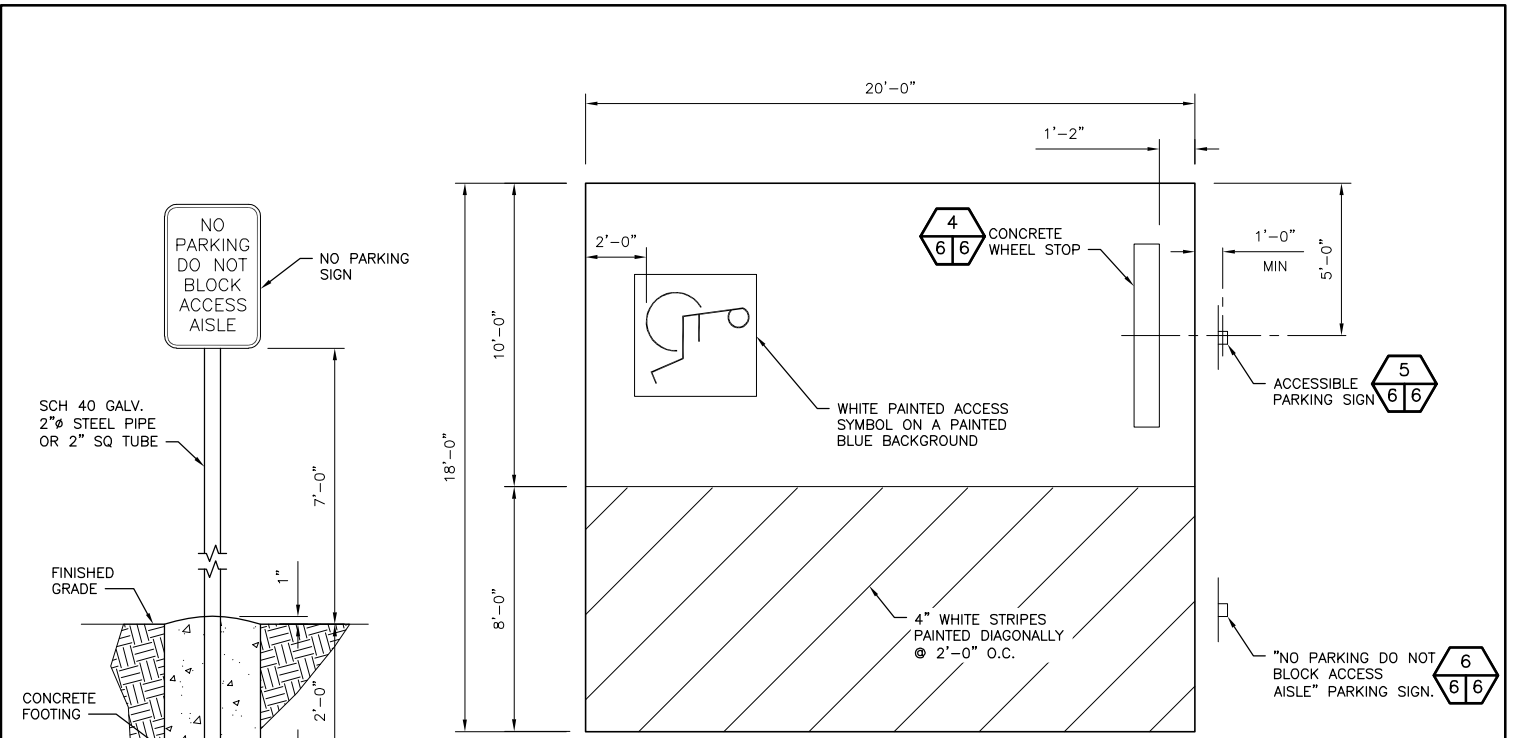
WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

ACCESS REDEVELOPMENT

LOCATION: LAKE CAVANAUGH

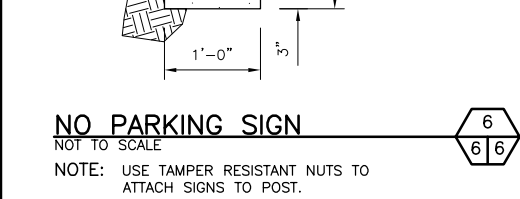
SHEET 5 OF 12 DATE: 11/25/2020



ACCESSIBLE PARKING AREA

NOT TO SCALE

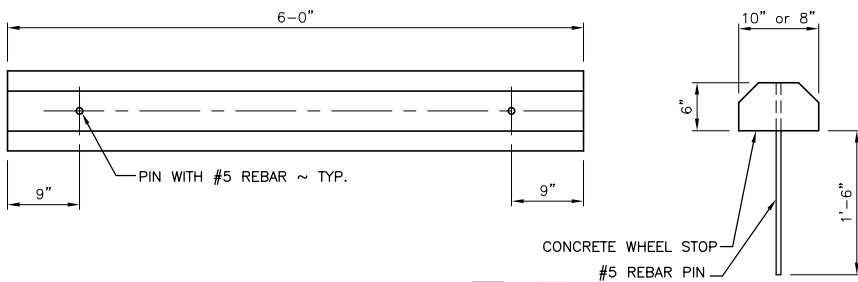
NOTE: 2% MAXIMUM SLOPE IN ALL DIRECTIONS.



NO PARKING SIGN

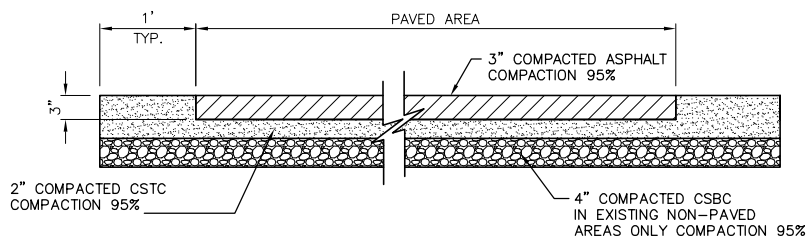
NOT TO SCALE

NOTE: USE TAMPER RESISTANT NUTS TO ATTACH SIGNS TO POST.



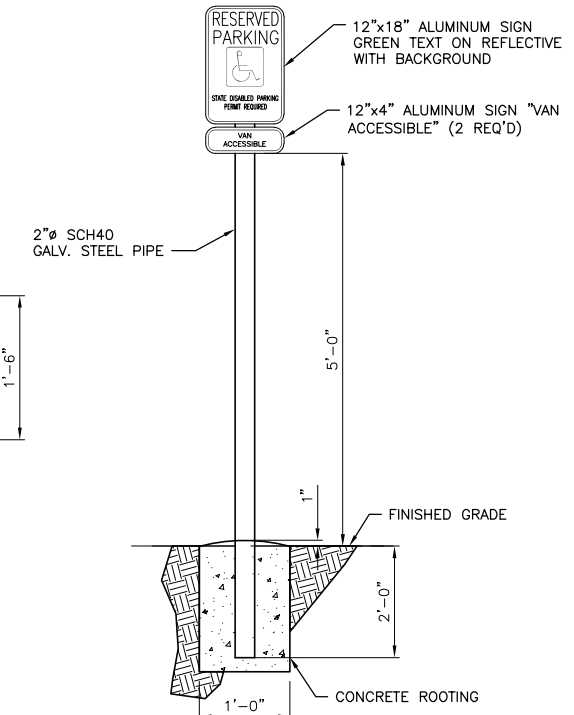
CONCRETE WHEEL STOP

NOT TO SCALE



PAVEMENT SECTION

NOT TO SCALE



ACCESSIBLE PARKING SIGN

NOT TO SCALE

REFERENCE NUMBER:

APPLICANT NAME:

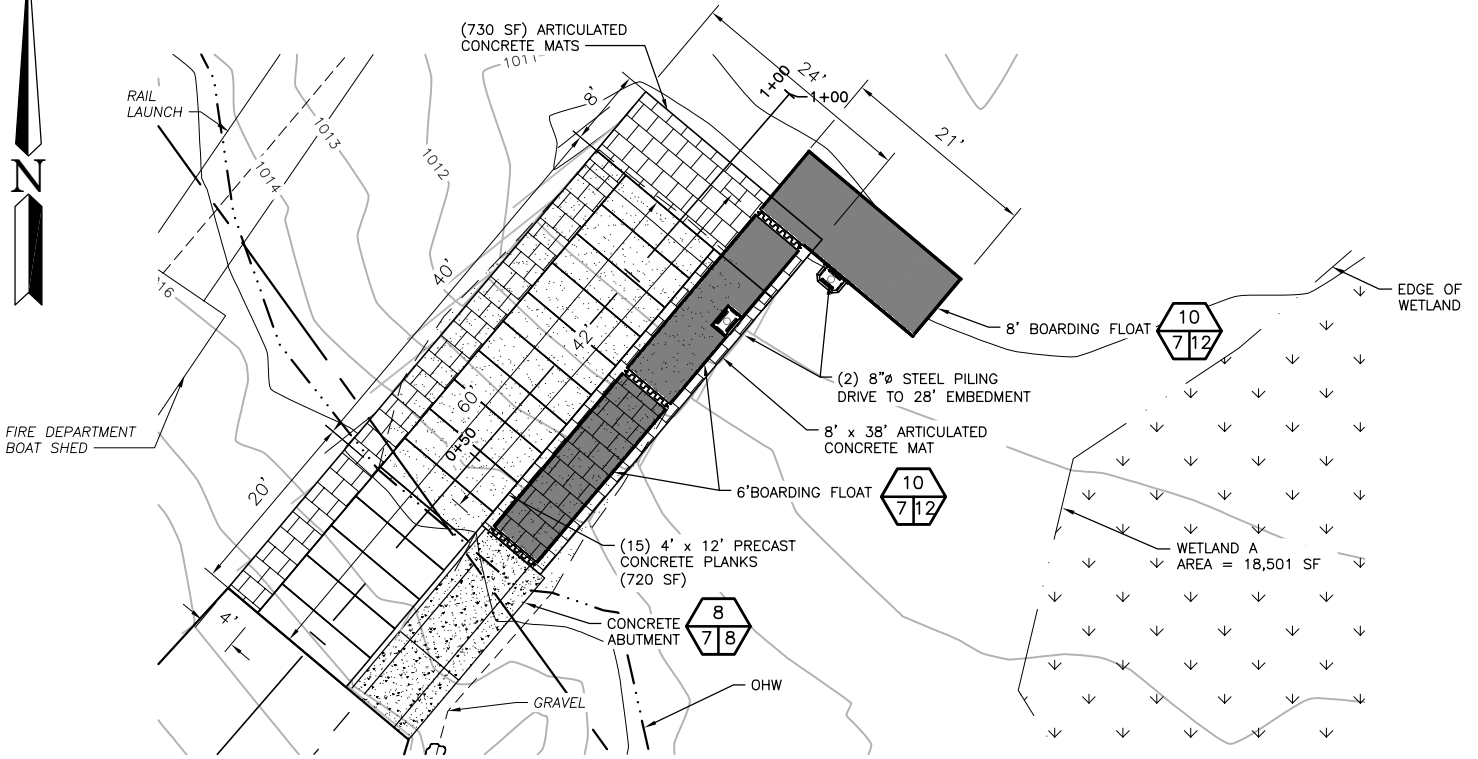
WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

ACCESS REDEVELOPMENT

LOCATION: LAKE CAVANAUGH

SHEET 6 OF 12 DATE: 11/25/2020

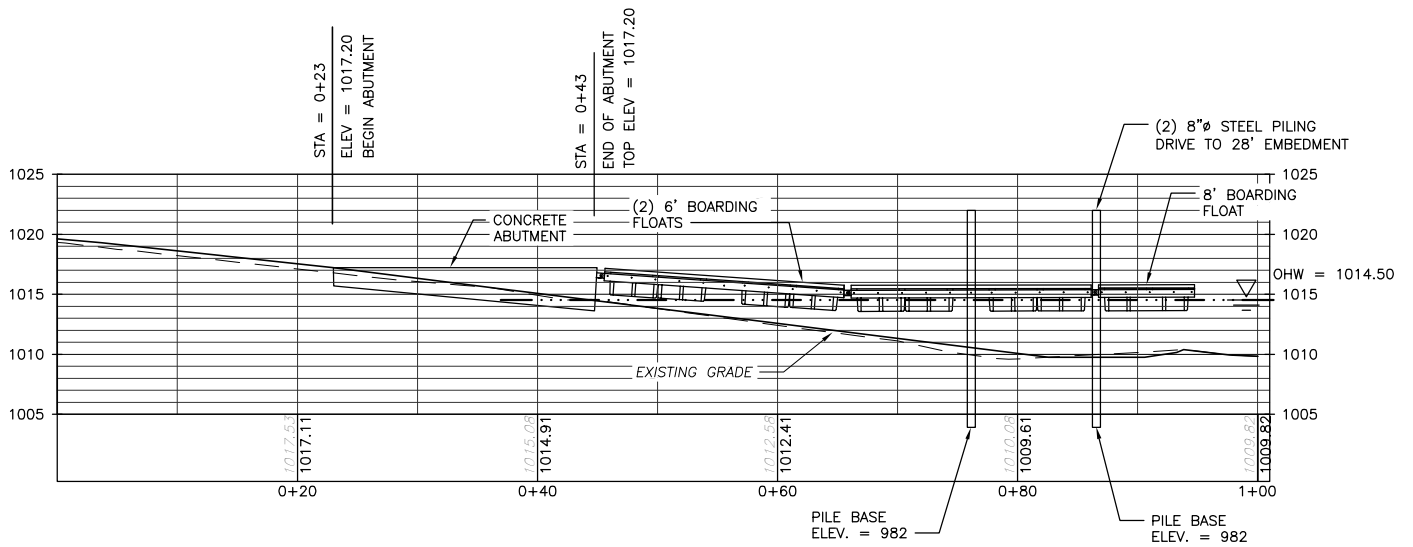


FLOAT PLAN

SCALE: 1" = 20'



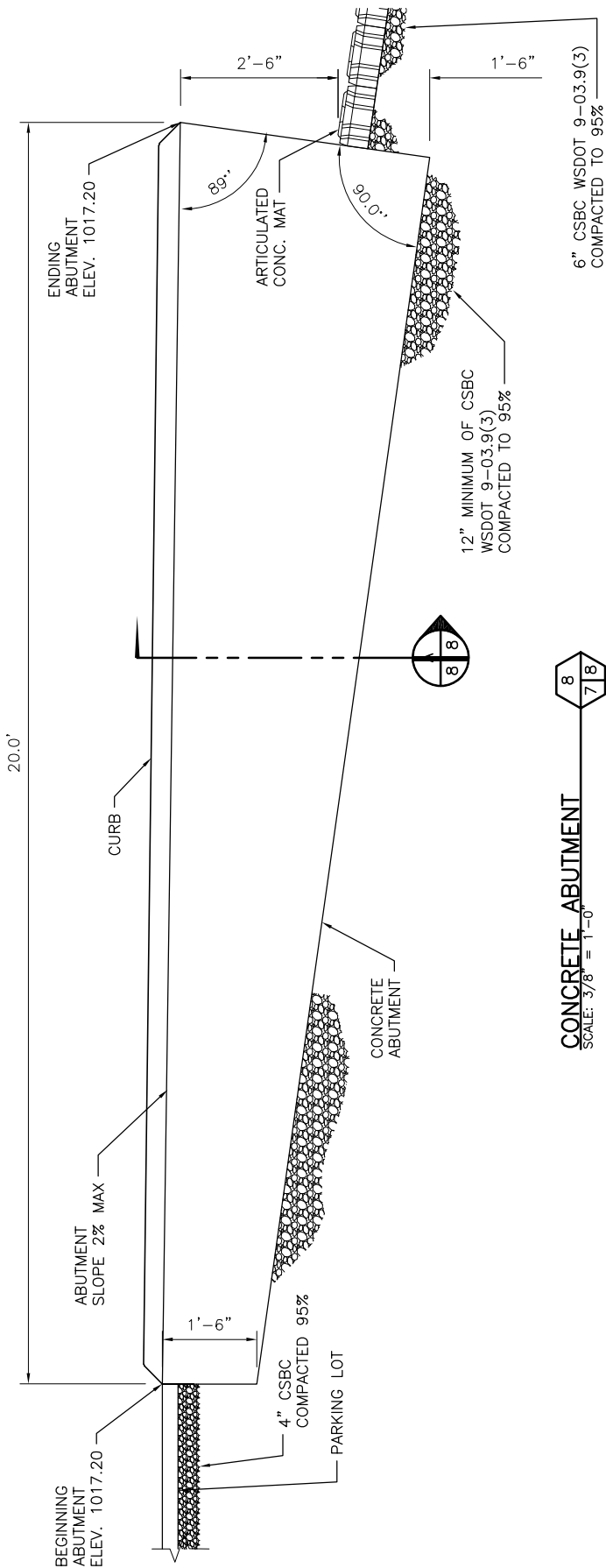
SCALE: 1" = 20'



FLOATS PROFILE

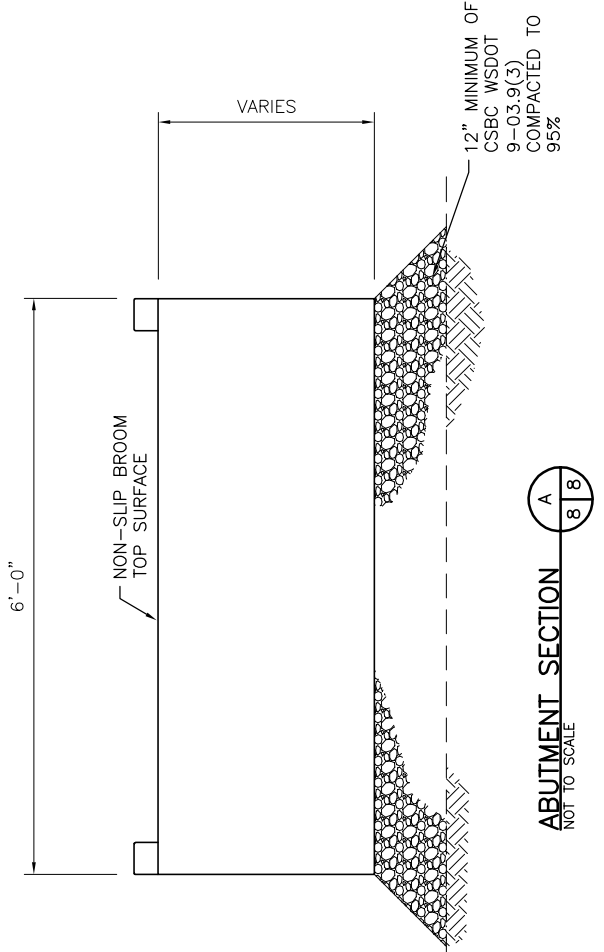
SCALE: 1" = 16'

REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: LAKE CAVANAUGH
 SHEET 7 OF 12 DATE: 11/25/2020



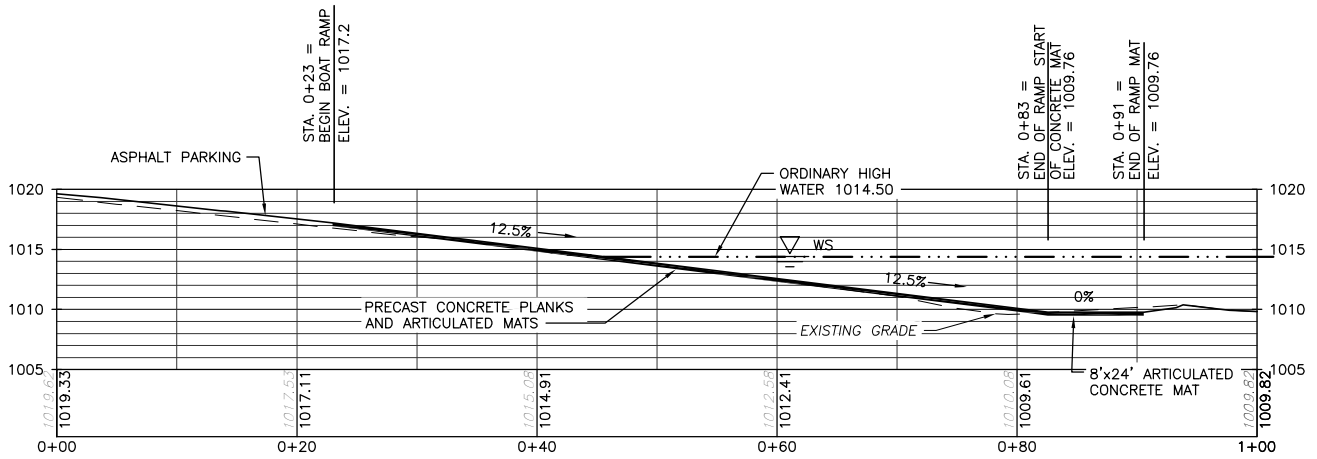
CONCRETE ABUTMENT
SCALE: 3/8" = 1'-0"

NOTE:
TEMPORARY ECOLOGY BLOCK, SAND BAG OR SUPER SACK DAMS SHALL BE INSTALLED AROUND CONCRET ABUTMENT WORK AREAS THAT MAY BECOME INUNDATED WITH LAKE WATER TO FACILITATE THE CONSTRUCTION OF THE STRUCTURES. CONTRACTOR SHALL ENSURE THAT THE TEMPORARY MEASURES REMAIN INTACT DURING EXCAVATION, FILL, AND CONCRETE WORK AND ARE REMOVED FROM THE SITE AFTER CONSTRUCTION.



ABUTMENT SECTION
NOT TO SCALE

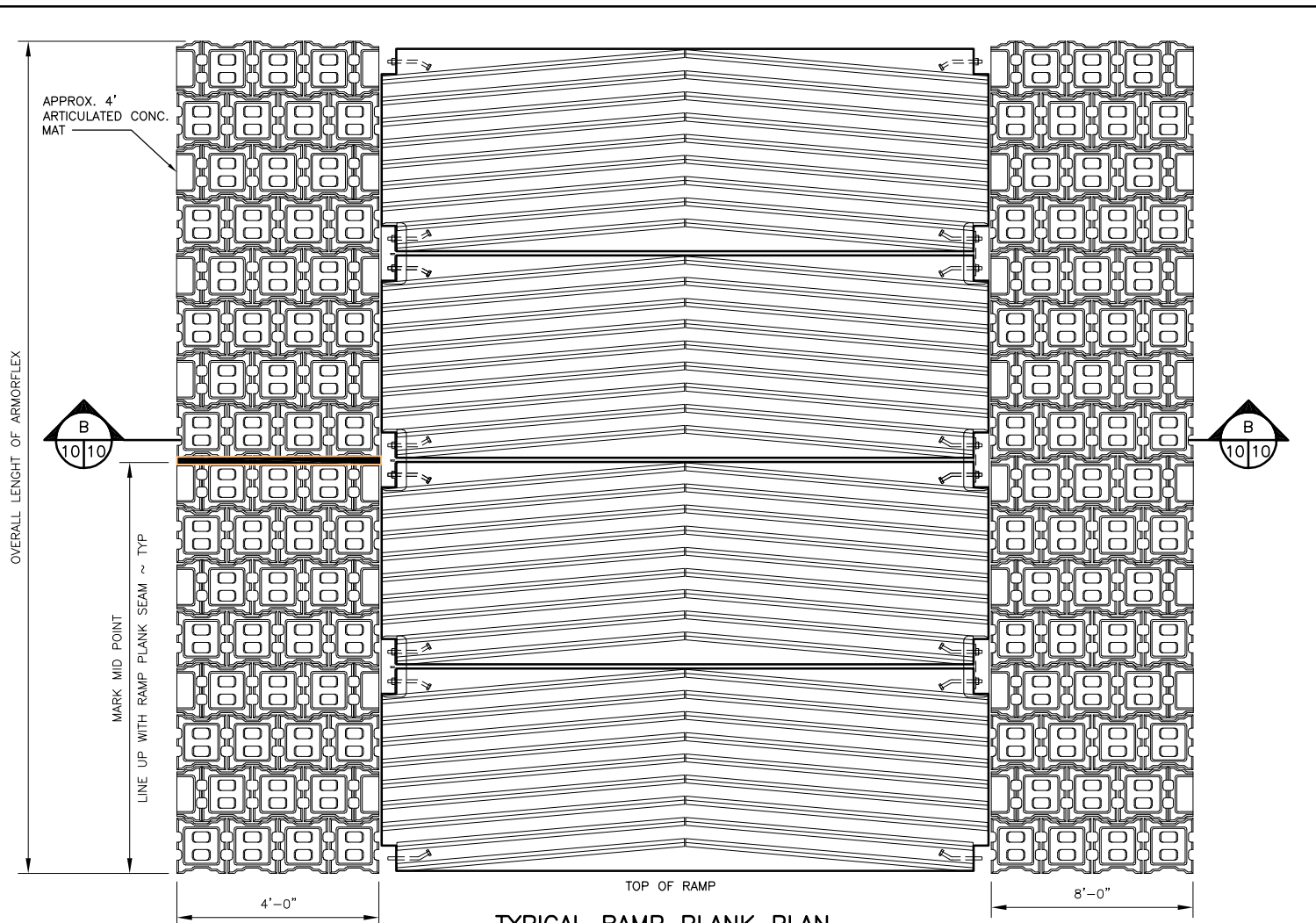
REFERENCE NUMBER:
APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
PROPOSED PROJECT:
ACCESS REDEVELOPMENT
LOCATION: LAKE CAVANAUGH
SHEET 8 OF 12 DATE: 11/25/2020



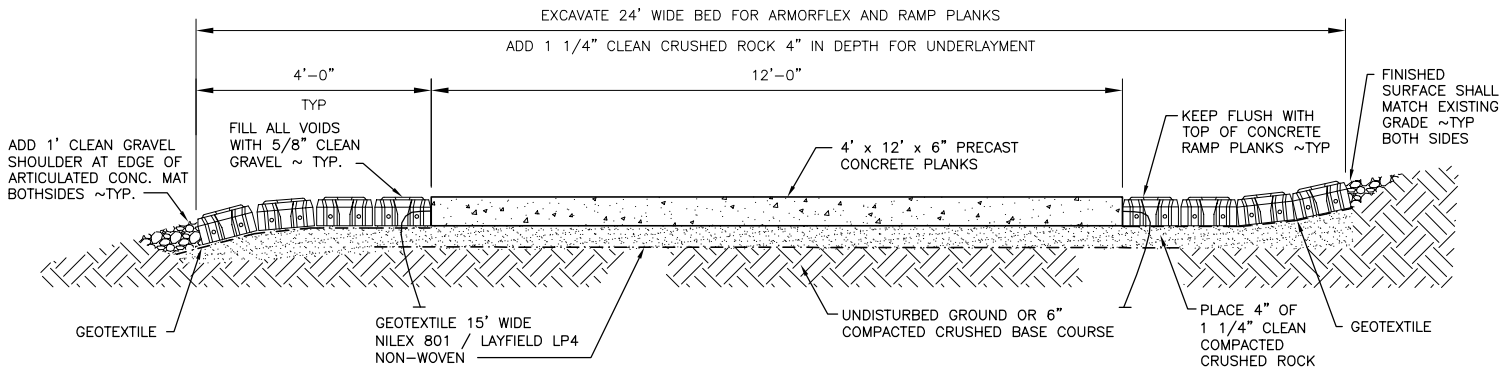
RAMP PROFILE

SCALE: 1" = 16'

REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: LAKE CAVANAUGH
 SHEET 9 OF 12 DATE: 11/25/2020

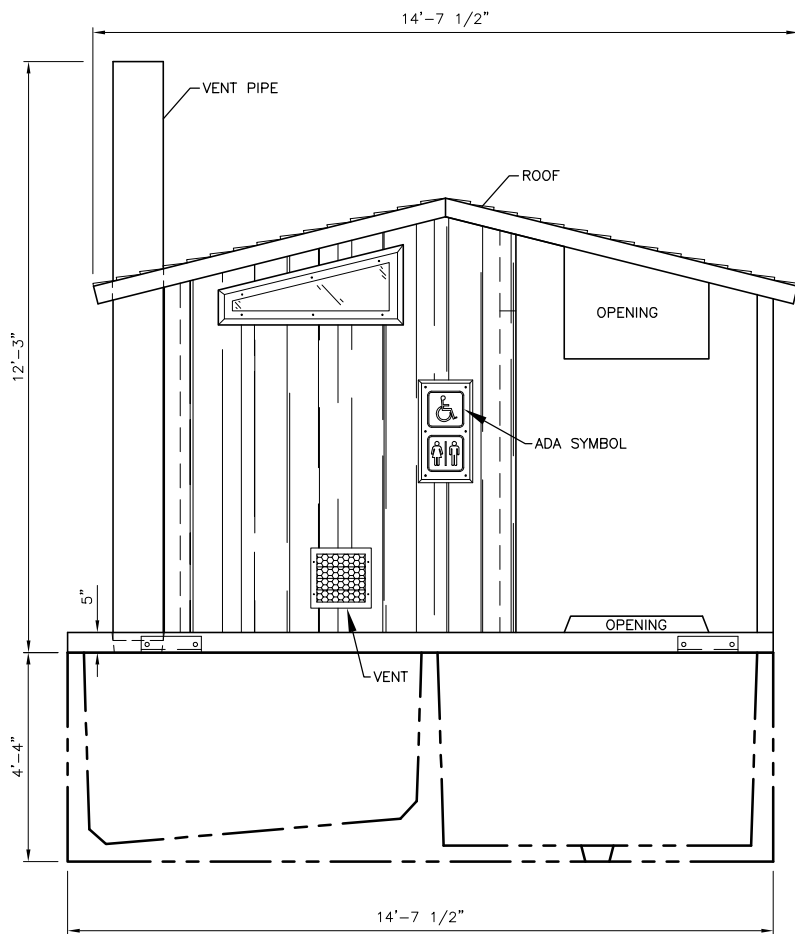


TYPICAL RAMP PLANK PLAN
NOT TO SCALE

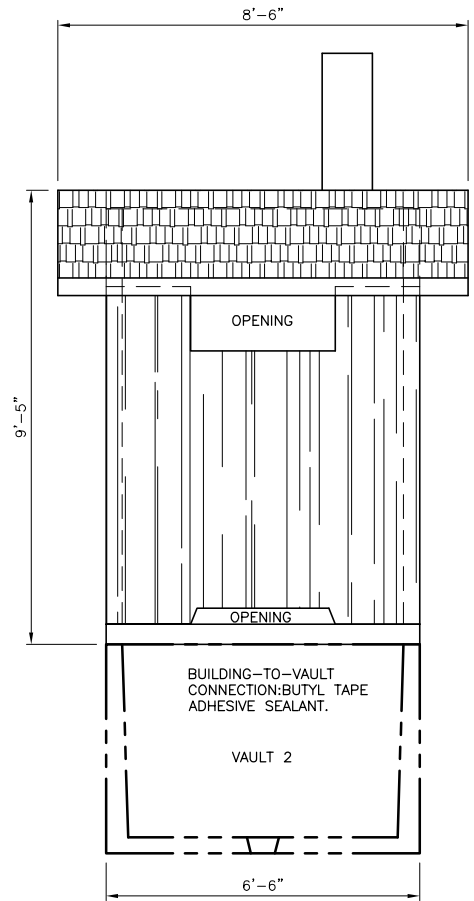


RAMP PLANK
NOT TO SCALE

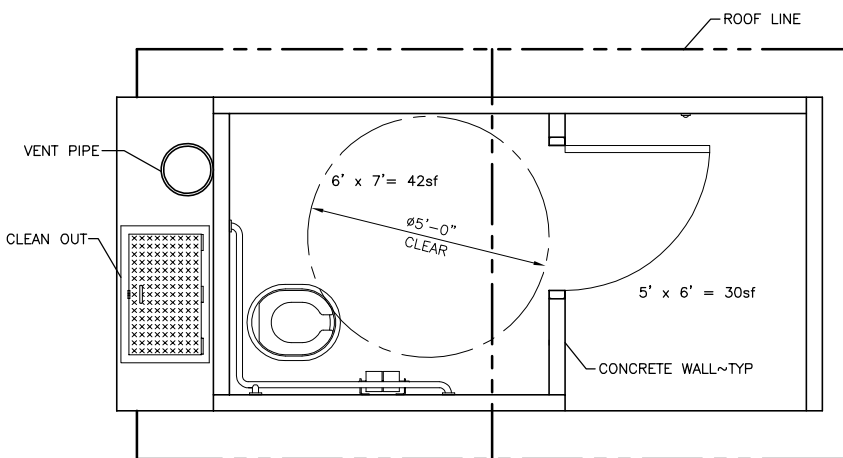
REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: LAKE CAVANAUGH
 SHEET 10 OF 12 DATE: 11/25/2020



FRONT ELEVATION
NOT TO SCALE



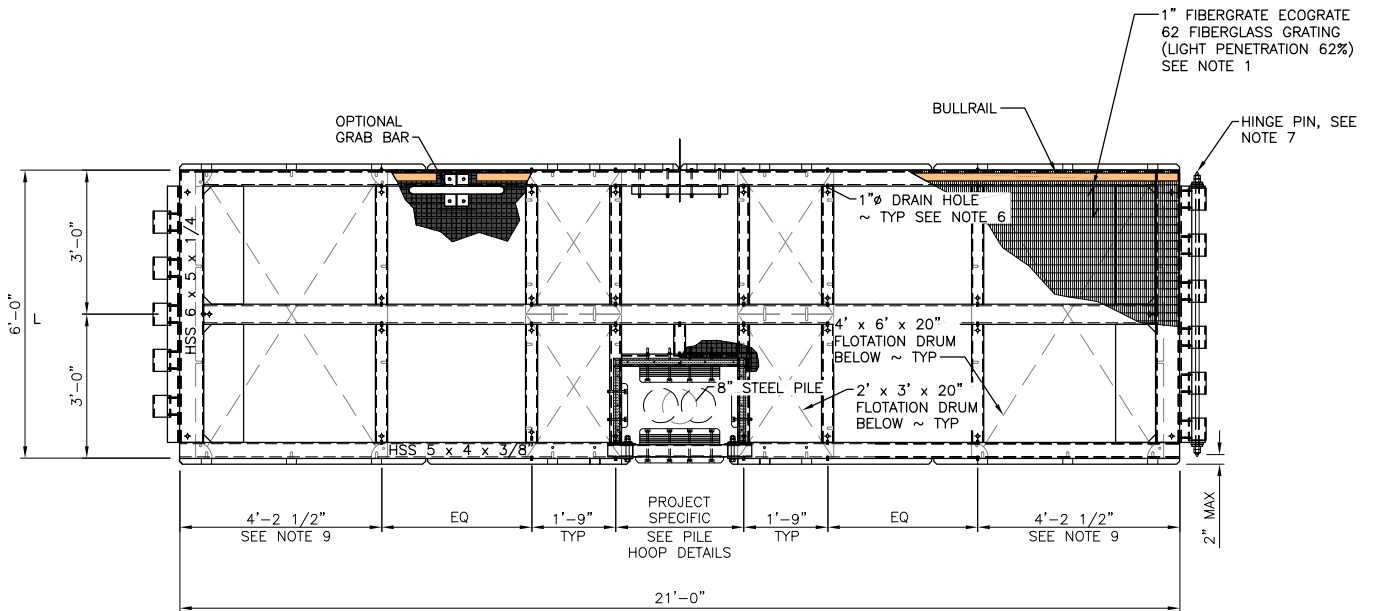
SIDE ELEVATION
NOT TO SCALE



CXT VAULT TOILET PLAN
NOT TO SCALE



REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: LAKE CAVANAUGH
 SHEET 11 OF 12 DATE: 11/25/2020



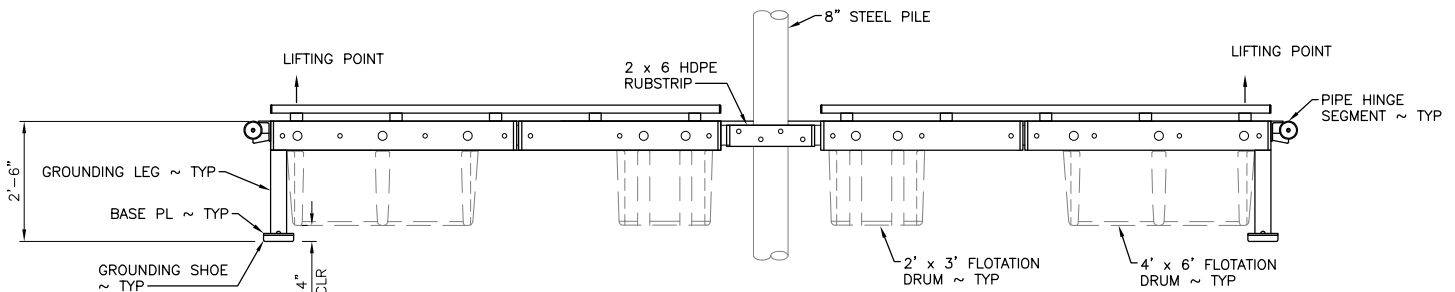
6' WIDE INTERIOR PILE FLOAT PLAN

SCALE: 1" = 1'-0"



NOTE: BULLRAIL, SCUPPER BLOCKS, WEEP HOLES, GROUNDING LEGS NOT SHOWN FOR CLARITY.

* DIMENSION BASED ON FLOAT DRUM MANUFACTURER-PROVIDED INFORMATION CONTRACTOR TO VERIFY AS-BUILT FLOAT DRUM DIMENSIONS



ELEVATION

SCALE: 1" = 1'-0"



NOTES:

1. SECURE GRATING IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS. EACH GRATING PANEL IS TO BE FULLY SUPPORTED ON ALL FOUR EDGES.
2. FLOAT FRAME TO BE HOT DIP GALVANIZED AFTER FABRICATION. CONTRACTOR TO PROVIDE REQUIRED DRAIN HOLES. PROPOSED DRAIN HOLE LOCATIONS ARE SHOWN. SHOW ALL DRAIN HOLE LOCATIONS IN FLOAT SHOP DRAWINGS.
3. FIELD-LEVEL FLOAT WITH COUNTERWEIGHTS. CONTRACTOR TO PROVIDE (6) PL 1/2" x 4" x 2'-0" PER FLOAT MODULE. COUNTERWEIGHT ASSEMBLY SHALL BE SECURED WITH FOUR 3/4" THRU BOLTS. PROVIDE RECESS IN RUB STRIP TO ACCOMMODATE THRU BOLT HEAD.
4. HDPE RUB STRIP, MAX 5'-6" LENGTH, PROVIDE 3/4" CHAMFER AT ENDS, 1/2" GAP BETWEEN SEGMENTS, COLOR LIGHT GRAY.
5. PROVIDE 3/8" WEEP HOLES AT THE UNDERSIDE OF EACH END OF EACH HORIZONTAL CROSS-BEAM TO PREVENT MEMBERS FROM HOLDING WATER.
6. PROVIDE 1" VENT HOLES IN SIDES OF HSS MEMBERS INSIDE OF CONNECTING TUBE TO FACILITATE COMPLETE DRAINING DURING HOT DIP GALVANIZING, CENTERED IN HSS 5x.
7. HINGE PIN TO BE SECURED WITH A DOUBLE-JAM NUT (DO NOT OVER-TIGHTEN, PREVENT GALLING), AND SHALL BE FREE TO ROTATE AFTER INSTALLATION. THE END OF THE HINGE PIN IS TO HAVE A 30 DEGREE BEVEL, WITH A 1/4" DIAMETER ROUNDED END TO FACILITATE INSERTION INTO THE HINGE BUSHINGS. HINGE PIN IS TO HAVE A HOLE AND 1/4" 316SS COTTER PIN EACH END.

REFERENCE NUMBER:

APPLICANT NAME:

WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

ACCESS REDEVELOPMENT

LOCATION: LAKE CAVANAUGH

SHEET 12 OF 12

DATE: 11/25/2020