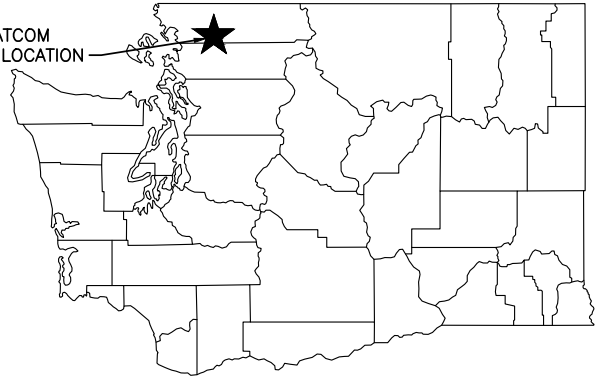
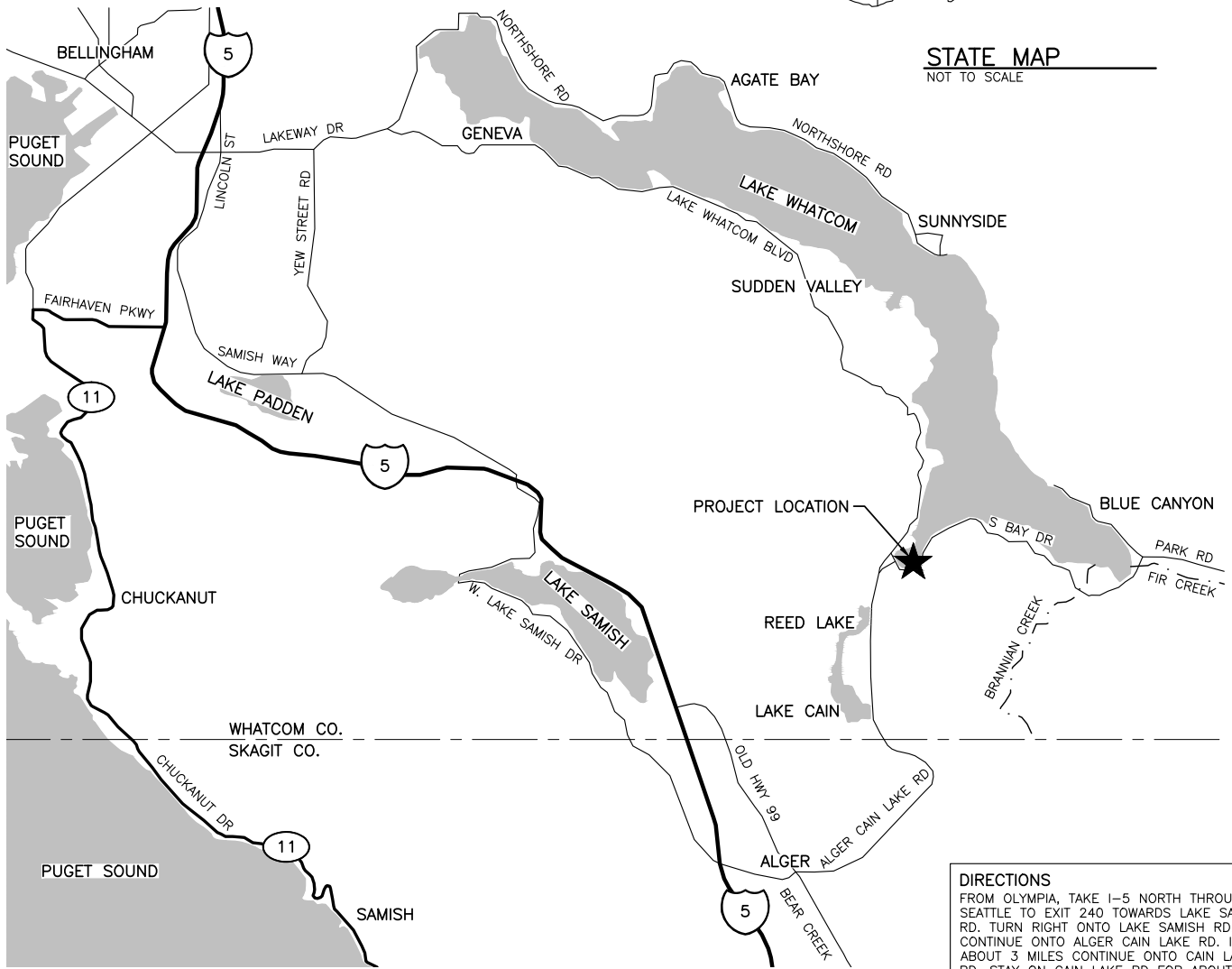




LAKE WHATCOM
PROJECT LOCATION



STATE MAP
NOT TO SCALE



PARCEL#: 370429536479

DIRECTIONS

FROM OLYMPIA, TAKE I-5 NORTH THROUGH SEATTLE TO EXIT 240 TOWARDS LAKE SAMISH RD. TURN RIGHT ONTO LAKE SAMISH RD. CONTINUE ONTO ALGER CAIN LAKE RD. IN ABOUT 3 MILES CONTINUE ONTO CAIN LAKE RD. STAY ON CAIN LAKE RD FOR ABOUT 2 MILES. TURN RIGHT ONTO S BAY DRIVE. ON YOUR LEFT YOU WILL SEE A FIRE STATION, THE PROJECT ENTRANCE IS THE NEXT LEFT.

ENG. PROJECT NO. WM:A585:2020-1

PORTION OF: SEC 29, T 37 N, R 4 E

DRAWN BY: N. BRUTZMAN

REFERENCE NUMBER:

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

ADJACENT PROPERTY OWNER:
1. WHATCOM COUNTY - PUBLIC WORKS
2. GLENN R. HARDIN

PROJECT LOCATION (ADDRESS):

LAKE WHATCOM
3234 S BAY DR
SEDRO-WOOLLEY

LAT/LONG: N48.673248/W122.315311

DATUM: NAVD 88

SHEET 1 OF 12 DATE: 06/16/2020

PROPOSED PROJECT:

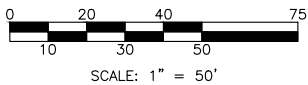
LAKE WHATCOM
ACCESS REDEVELOPMENT

IN: LAKE WHATCOM

NEAR/AT: SEDRO-WOOLLEY

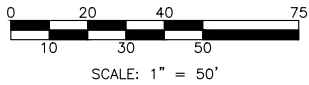
COUNTY: WHATCOM

STATE: WA



EXISTING SITE
SCALE: 1" = 50'

REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: LAKE WHATCOM
 SHEET 2 OF 12 DATE: 06/16/2020



**EROSION CONTROL
& DEMOLITION PLAN**
SCALE: 1" = 50'

REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: LAKE WHATCOM
 SHEET 3 OF 12 DATE: 06/16/2020

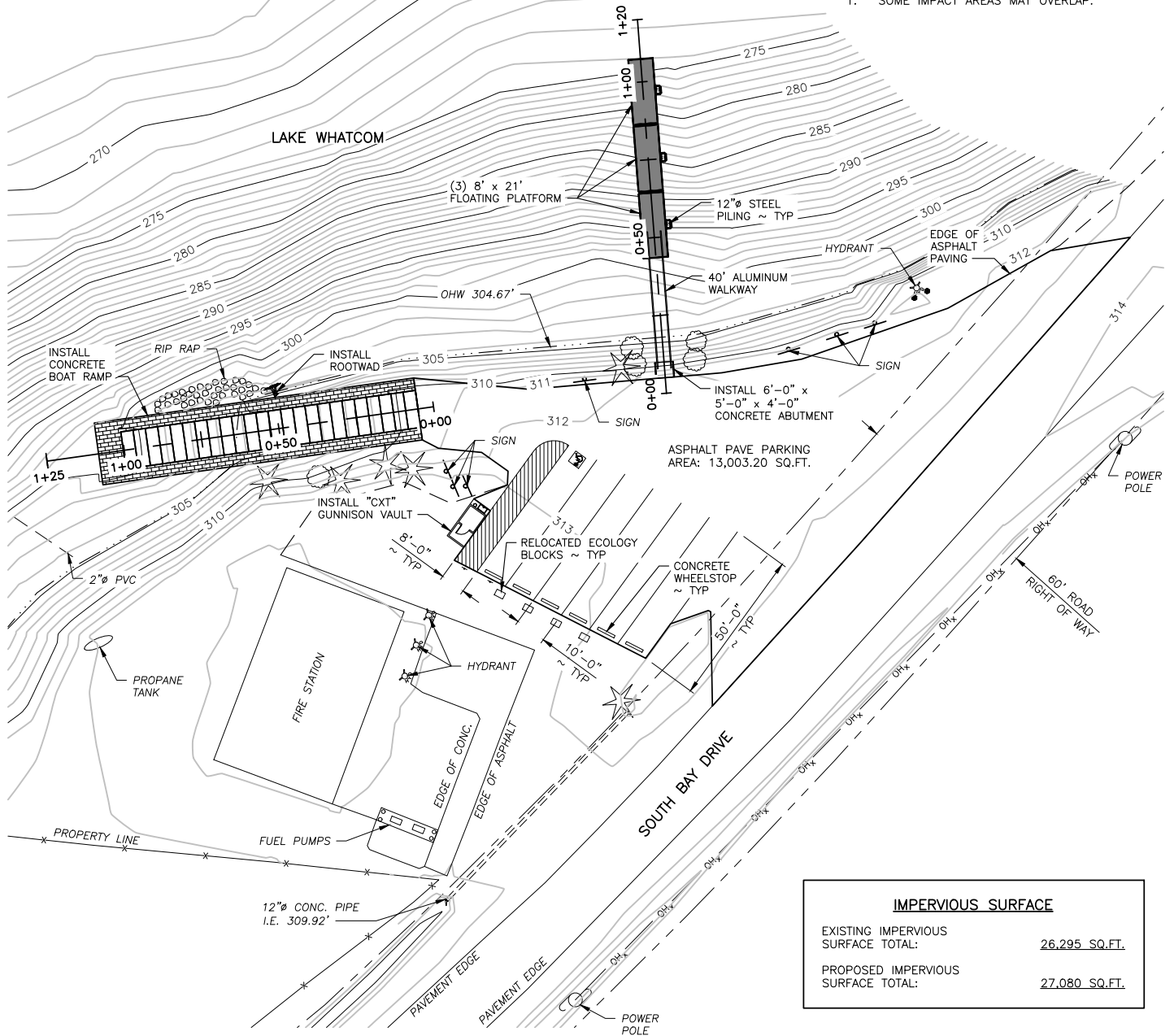


OVERALL CUT & FILL DATA CY.

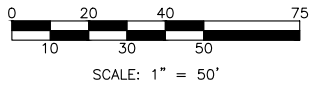
MATERIAL	ABOVE OHW		BELOW OHW		SQ.FT. OF IMPACT	
	CUT	FILL	CUT	FILL	ABOVE OHW	BELOW OHW
ARTICULATED MAT	0.00	8.71	0.00	8.38	470.07	452.45
HOT MIX ASPHALT	0.00	120.40	0.00	0.00	13,003.20	0.00
CONCRETE	0.00	4.44	0.00	0.00	30.00	0.00
CONCRETE PLANKS	0.00	13.05	0.00	8.13	704.90	438.89
CRUSHED ROCK	5.06	16.97	2.91	11.00	1,573.83	891.34
CRUSHED BASE COURSE	10.13	49.55	5.82	8.13	1,603.83	438.89
NATIVE SOIL	76.95	0.00	50.94	0.00	1,656.24	1,113.08
RIP RAP	0.07	0.00	0.30	0.00	29.03	116.10
TOTAL	92.21	213.12	59.97	35.64		

NOTE:

1. SOME IMPACT AREAS MAY OVERLAP.



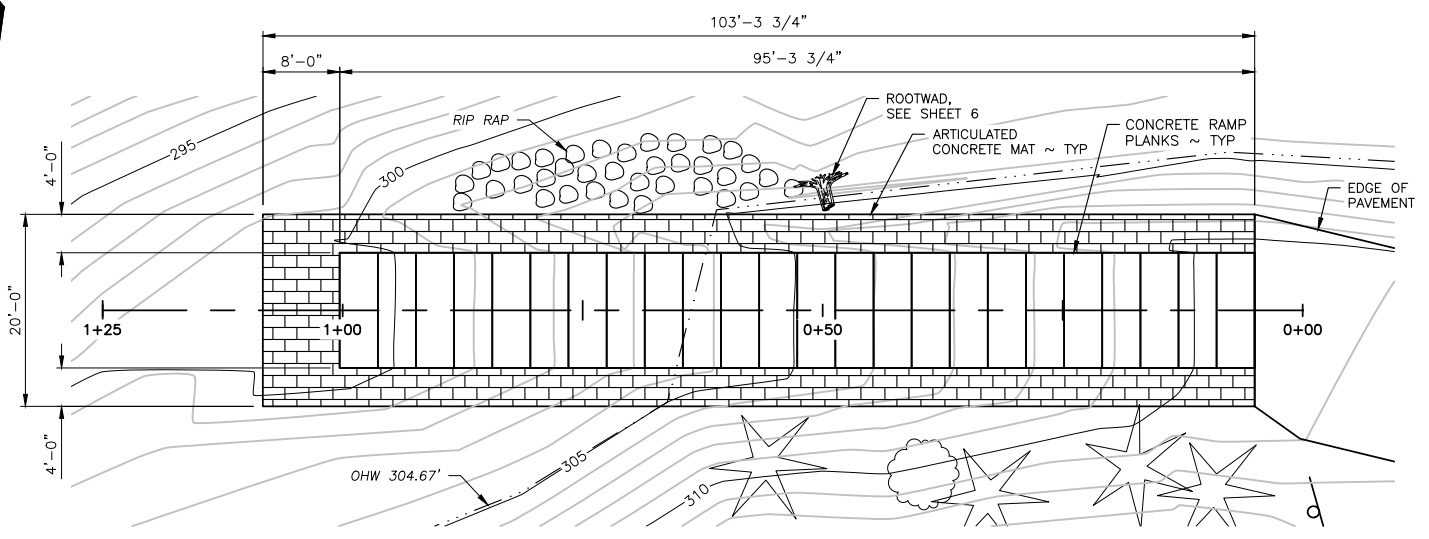
IMPERVIOUS SURFACE	
EXISTING IMPERVIOUS SURFACE TOTAL:	26,295 SQ.FT.
PROPOSED IMPERVIOUS SURFACE TOTAL:	27,080 SQ.FT.



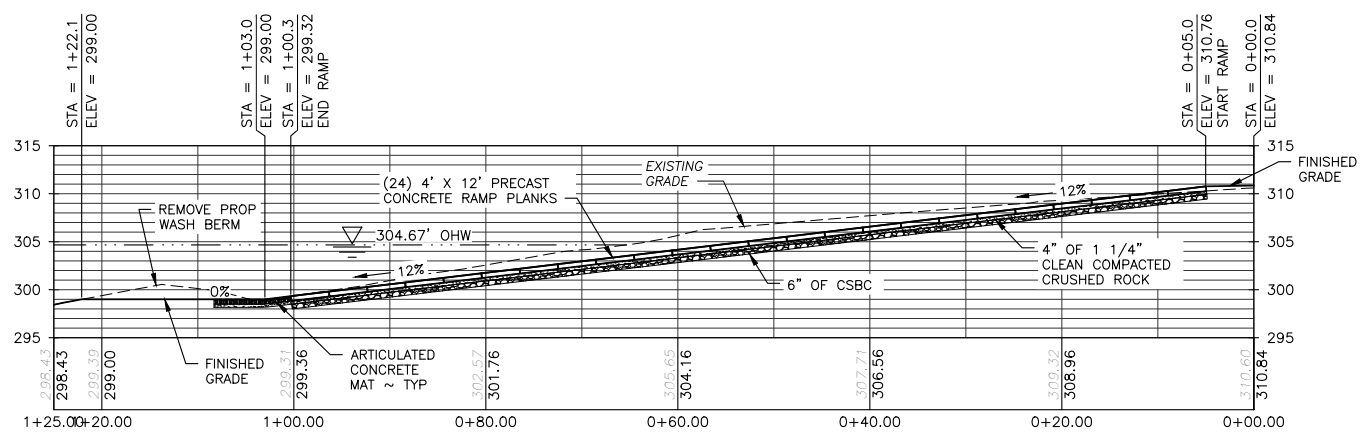
PROPOSED SITE PLAN

SCALE: 1" = 50'

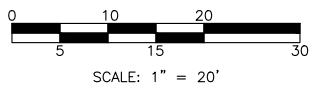
REFERENCE NUMBER:
 APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
ACCESS REDEVELOPMENT
 LOCATION: LAKE WHATCOM
 SHEET 4 OF 12 DATE: 06/16/2020



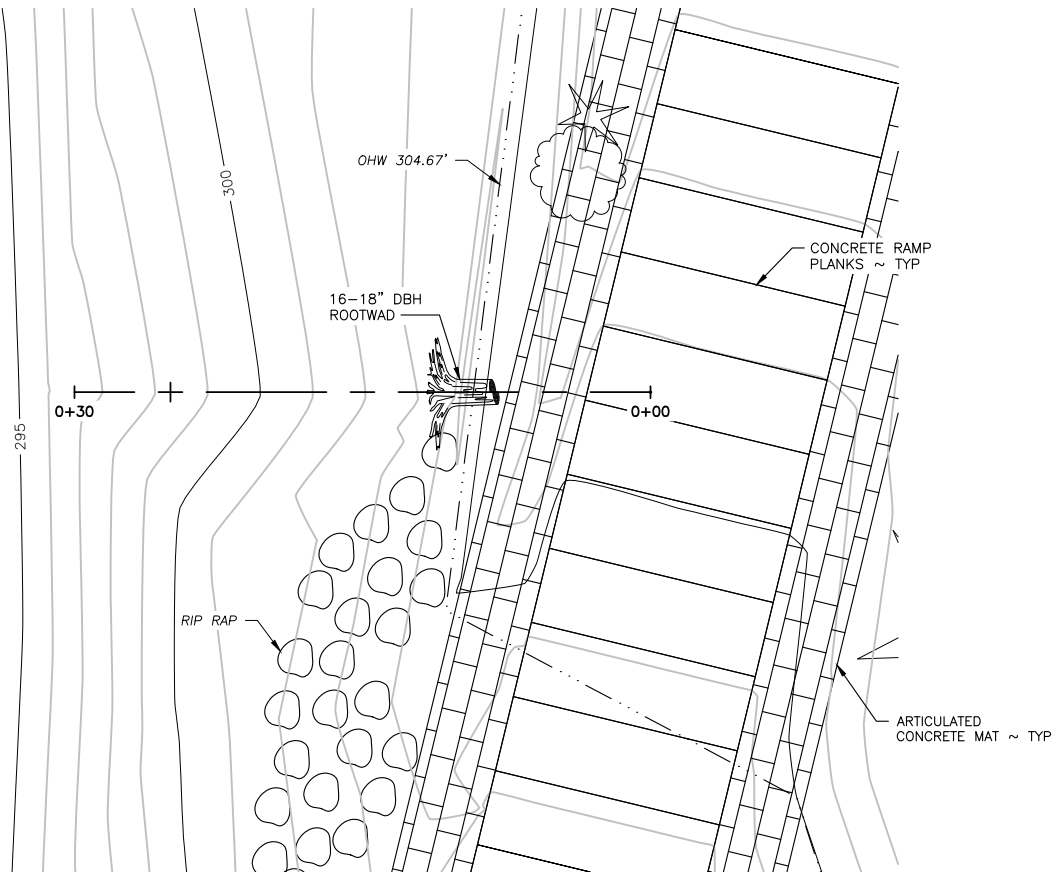
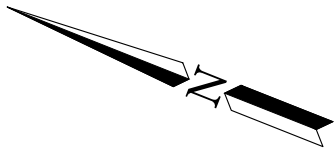
BOAT RAMP PLAN
SCALE: 1" = 20'



BOAT RAMP PROFILE
SCALE: 1" = 20'

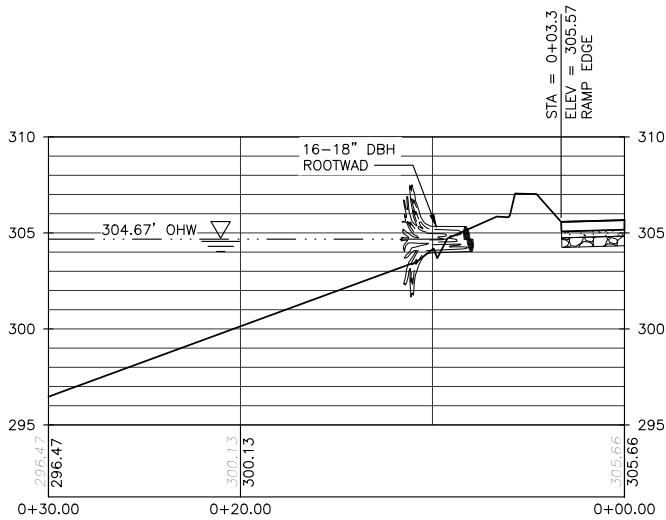


REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: LAKE WHATCOM
 SHEET 5 OF 12 DATE: 06/16/2020



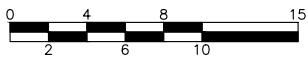
ROOT WAD

SCALE: 1" = 10'



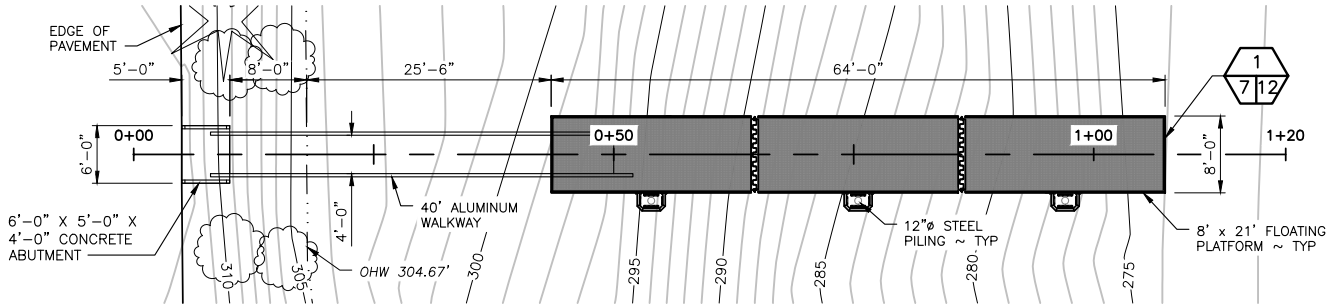
ROOT WAD PROFILE

SCALE: 1" = 10'



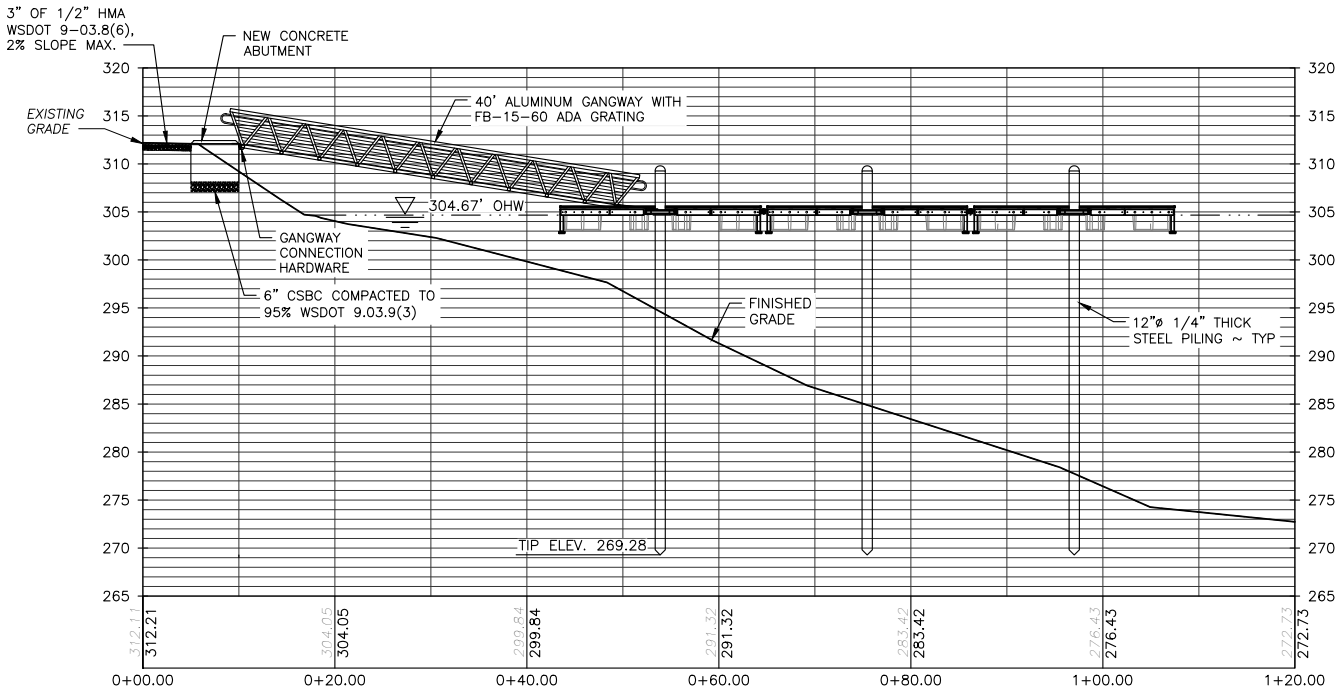
SCALE: 1" = 10'

REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: LAKE WHATCOM
 SHEET 6 OF 12 DATE: 06/16/2020



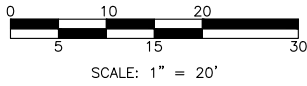
FLOATING PLATFORM

SCALE: 1" = 20'

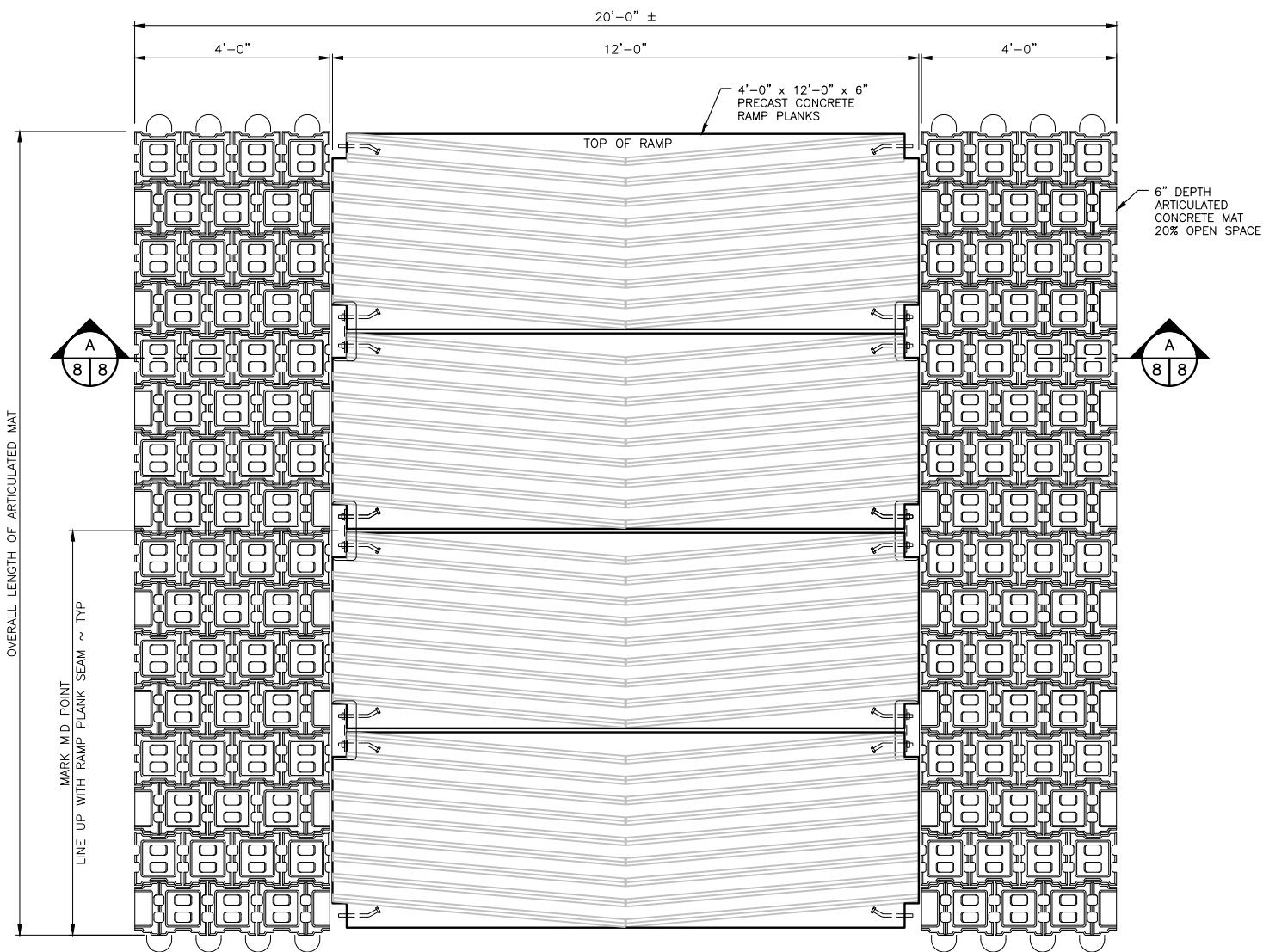


FLOATING PLATFORM PROFILE

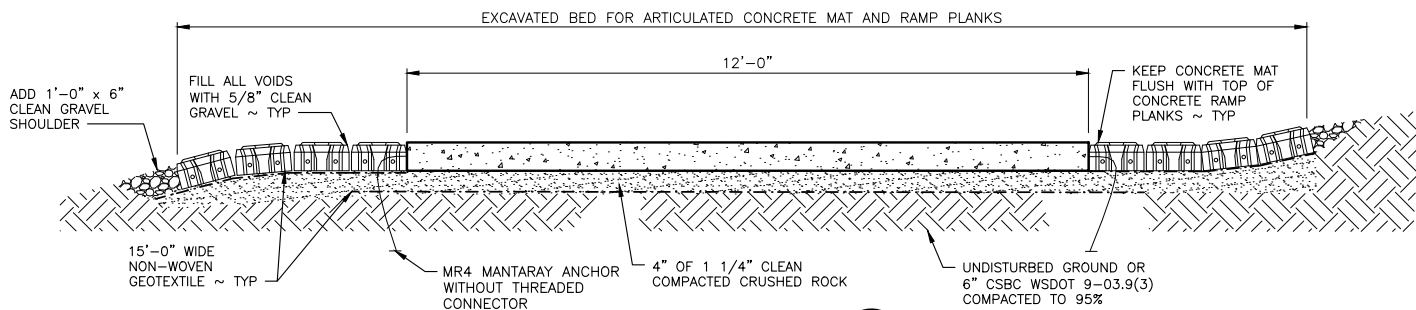
SCALE: 1" = 20'



REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: LAKE WHATCOM
 SHEET 7 OF 12 DATE: 06/16/2020



TYPICAL RAMP PLANK PLAN
SCALE: 1" = 1'-0"



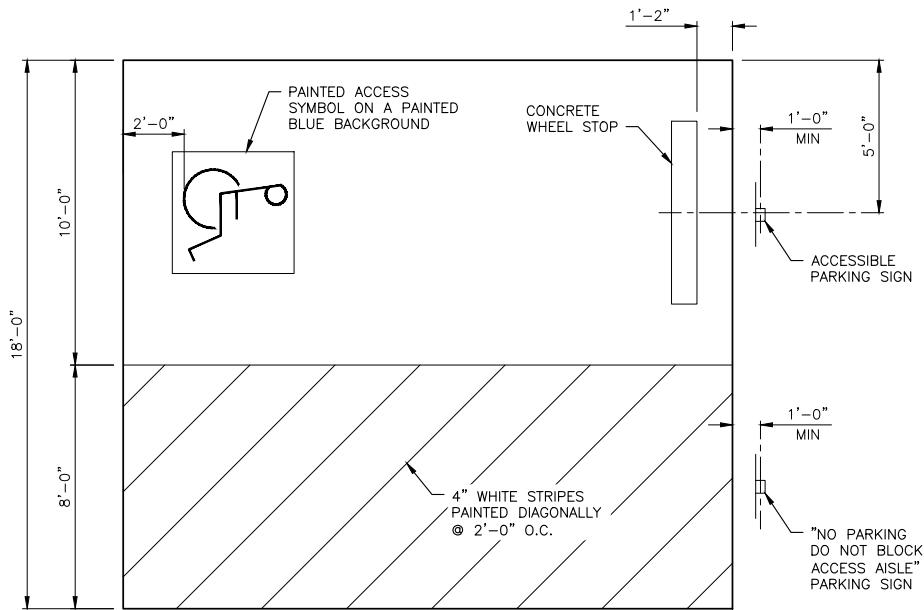
RAMP PLANK
NOT TO SCALE



NOTE:

SEE SITE PLAN FOR SIZE AND LAYOUT OF ARTICULATED CONCRETE MATS

REFERENCE NUMBER:
APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
PROPOSED PROJECT:
ACCESS REDEVELOPMENT
LOCATION: LAKE WHATCOM
SHEET 8 OF 12 DATE: 06/16/2020

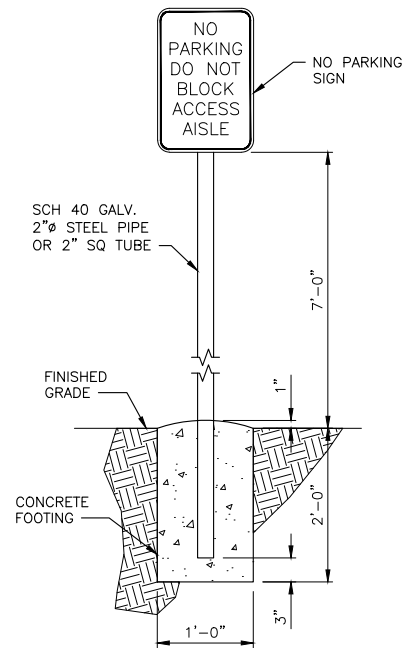


VAN ACCESSIBLE PARKING AREA

NOT TO SCALE

NOTE:

2% MAXIMUM SLOPE IN ALL DIRECTIONS

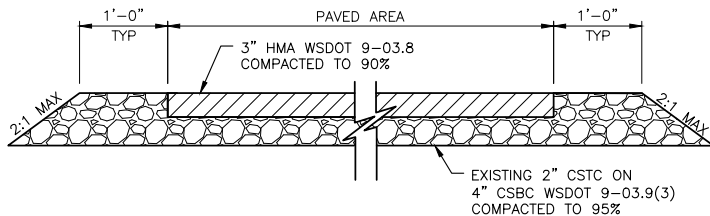


NO PARKING SIGN

NOT TO SCALE

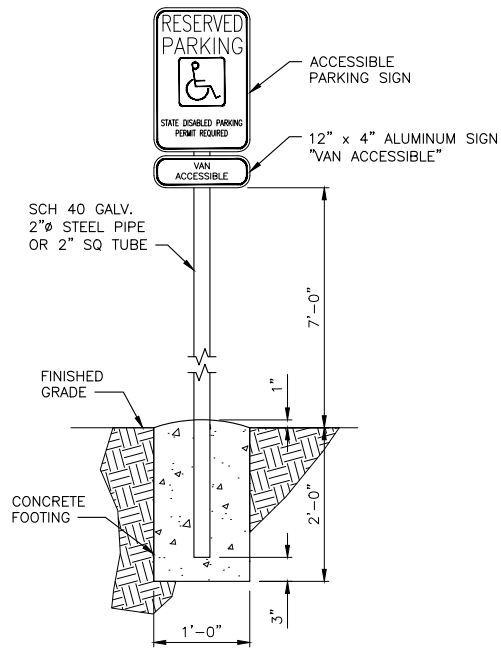
NOTE:

USE TAMPER RESISTANT NUTS TO ATTACH SIGNS TO POST



HMA DETAIL

NOT TO SCALE

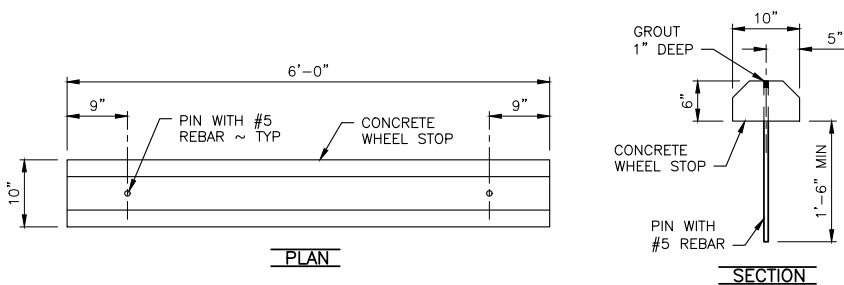


ACCESSIBLE PARKING SIGN

NOT TO SCALE

NOTE:

USE TAMPER RESISTANT NUTS TO ATTACH SIGNS TO POST



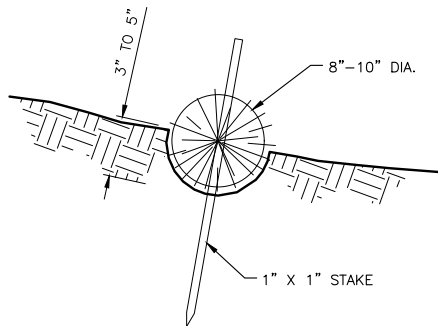
PLAN

CONCRETE WHEEL STOP

NOT TO SCALE

SECTION

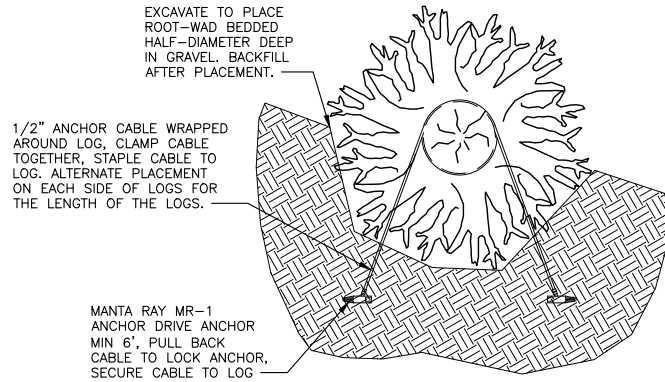
REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: LAKE WHATCOM
 SHEET 9 OF 12 DATE: 06/16/2020



STRAW WATTLE DETAIL
NOT TO SCALE

CONSTRUCTION SPECIFICATIONS:

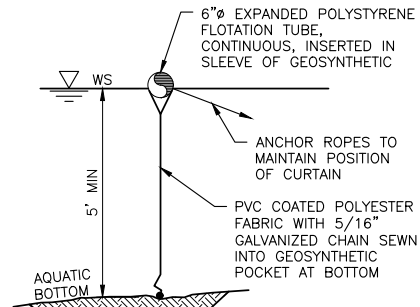
1. PREPARE THE SLOPE BEFORE THE WATTLING PROCEDURE IS STARTED.
2. SHALLOW GULLIES SHOULD BE SMOOTHED AS WORK PROGRESSES.
3. DIG SMALL TRENCHES ACROSS THE SLOPE ON CONTOUR, TO PLACE ROLLS IN. THE TRENCH SHOULD BE DEEP ENOUGH TO ACCOMMODATE HALF THE THICKNESS OF THE ROLL. WHEN THE SOIL IS LOOSE AND UNCOMPACTED, 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.



ROOT-WAD DETAIL
NOT TO SCALE

NOTES:

1. ENGINEERED LOG JAM SHALL INCLUDE 6 LOGS WITH INTACT ROOTWADS.
2. ROOTWAD =/+ 30" WIDTH; STEMS =/+ 8' LENGTH
3. ALL WOOD MATERIALS WILL BE NATIVE CONIFER (E.G. DOGLAS-FIR, WESTERN RED CEDAR, OR SPRUCE) WITH BARK INTACT (NO PEELLED LOGS).
4. KEY LOG TIPS INTO BANK AND BURY WITH NATIVE FILL AND ROCK.
5. LOCATIONS AS LOCATED IN THE FIELD.

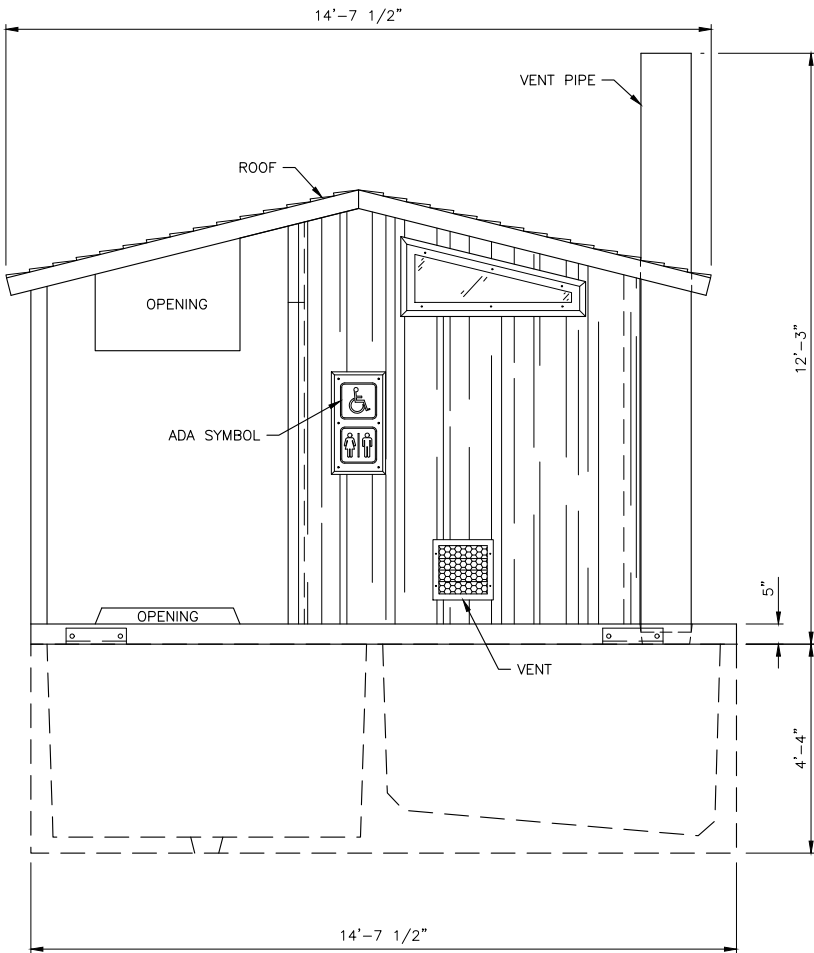


TURBIDITY CURTAIN
NOT TO SCALE

NOTES:

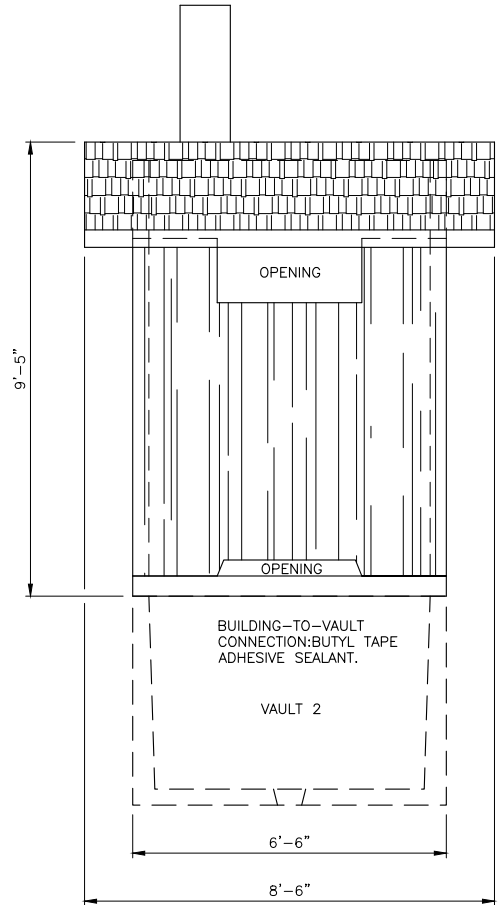
1. FABRIC IS 22 OUNCES PER SQUARE YARD

REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: LAKE WHATCOM
 SHEET 10 OF 12 DATE: 06/16/2020



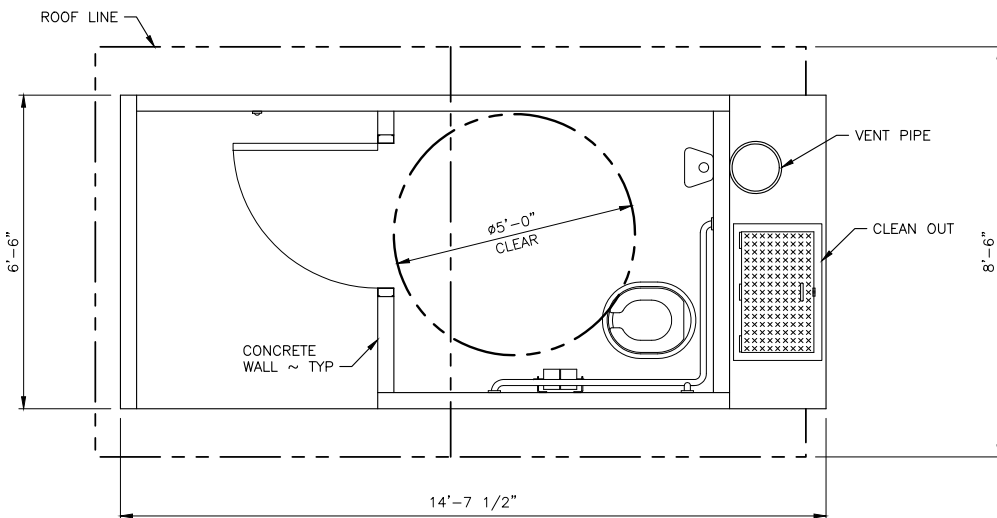
FRONT ELEVATION

NOT TO SCALE



SIDE ELEVATION

NOT TO SCALE



CXT VAULT TOILET PLAN

NOT TO SCALE

NOTE:

REPLACE EXISTING CONCRETE VAULT TOILET WITH NEW 1,000 GAL, CXT GUNNISON CONCRETE VAULT TOILET IN SAME FOOTPRINT. TANK MANUFACTURED BY CXT CONCRETE BUILDINGS. FOR TOILET INSTALLATION, SEE SPECIFICATIONS.

REFERENCE NUMBER:

APPLICANT NAME:

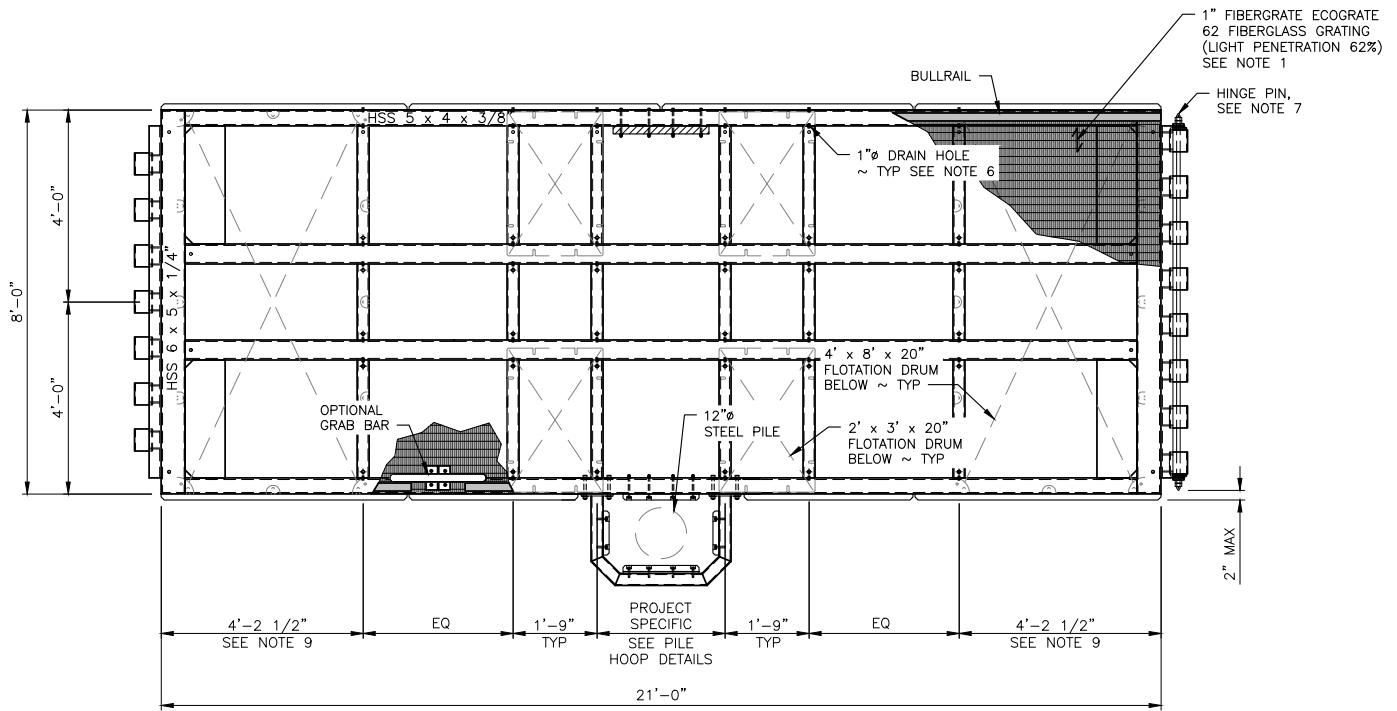
WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

ACCESS REDEVELOPMENT

LOCATION: LAKE WHATCOM

SHEET 11 OF 12 DATE: 06/16/2020



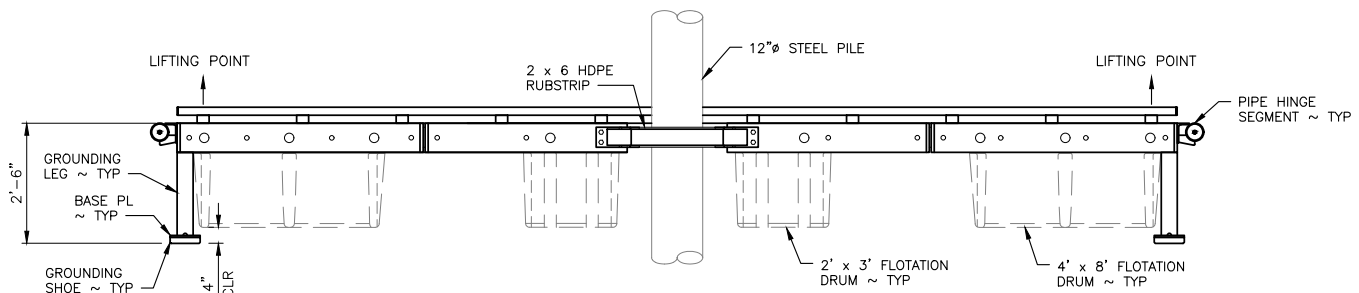
8' WIDE INTERIOR PILE FLOAT PLAN

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

1
7/12

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: 1/4" = 1'-0"

1A
12/12

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:

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WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

ACCESS REDEVELOPMENT

LOCATION: LAKE WHATCOM