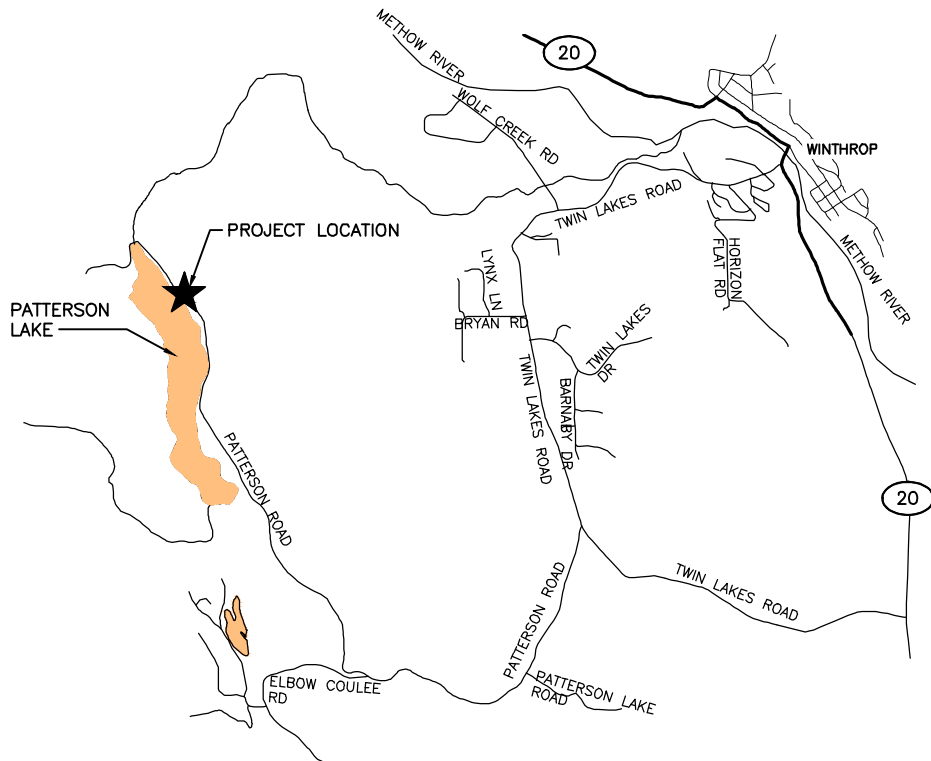


STATE MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

DIRECTIONS
FROM WINTHROP HEAD SOUTH ON STATE ROUTE 20 WEST APPROX. .5 MILES. TURN RIGHT ONTO TWIN LAKES ROAD/WHITE AVE. CONTINUE 3.1 MILES ON TWIN LAKES ROAD. TURN SLIGHT RIGHT ONTO PATTERSON LAKE ROAD. CONTINUE 4.0 MILES TO DESTINATION ON YOUR LEFT.

ENG. PROJECT NO. ON:A368:2022-1 PORTION OF: S. 08, T. 34N, R. 21E, DRAWN BY: D.HENNING

REFERENCE NUMBER: NWS-2022-455
APPLICANT:
WASHINGTON DEPT. of FISH & WILDLIFE
600 CAPITOL WAY N.
OLYMPIA, WA 98501-1091
ADJACENT PROPERTY OWNER:

PROJECT LOCATION (ADDRESS):
PATTERSON LAKE ACCESS
WINTHROP, WA
LAT/LONG: **48.274123, -120.143883**
DATUM: **NAVD 88**
SHEET **1** OF **14** DATE: **06/29/2022**

PROPOSED PROJECT:
PATTERSON LAKE ACCESS REDEVELOPMENT
IN: **PATERSON LAKE**
NEAR/AT: **WINTHROP**
COUNTY: **OKANOGAN**
STATE: **WA**

- 1. **ARLETTA LAND LLC**
- 2. **PLYC LLC**



PARCEL 3421080003

BARRIER ROCK ~ TYP

EDGE OF GRAVEL

PATERSON ROAD

ROW

ROW

ROW

ROW

ROW

ROW

GRAVEL BOAT RAMP
APPROX. 3,215 SQ FT

GRAVEL PARKING AREA
APPROX. 27,417 SQ. FT.

VAULT TOILET

EDGE OF GRAVEL ~ TYP

OHW= 2403.00

TREE ~ TYP

EDGE OF WATER
11-17-2021
ELEV= 2392.37

PATERSON LAKE

PARCEL 3421080005

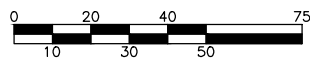
PROPERTY LINE ~ TYP

LEGEND

- Loc — LIMITS OF CONSTRUCTION
- - - - - EDGE OF GRAVEL
- HTL — ORDINARY HIGH WATER
- - - - - EDGE OF WATER
- PL — PROPERTY LINE
- ROW — RIGHT OF WAY
- OHW — ORDINARY HIGH WATER

EXISTING SITE PLAN

SCALE: 1" = 50'



SCALE: 1" = 50'

REFERENCE NUMBER: **NWS-2022-455**

APPLICANT NAME:

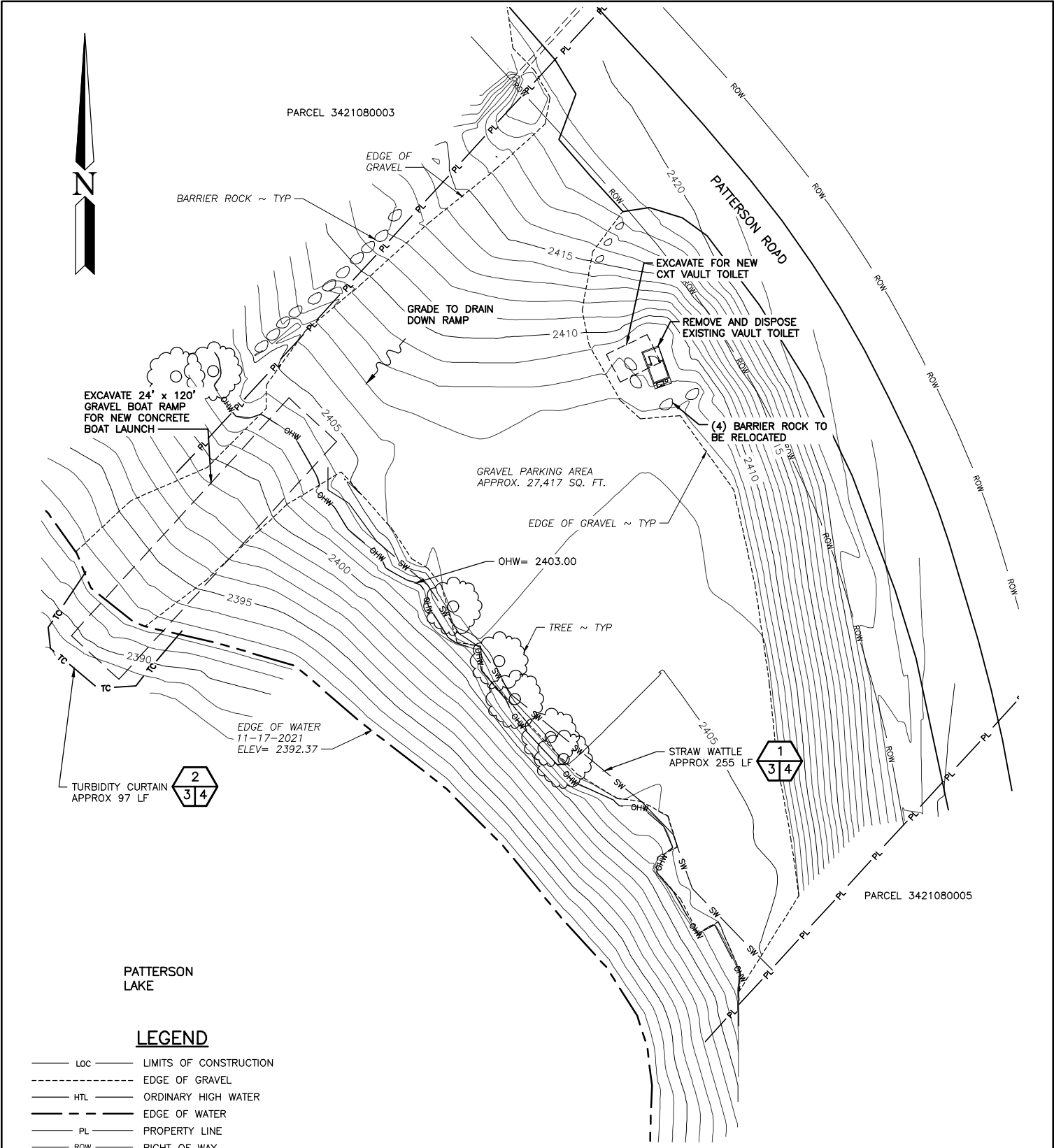
WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

ACCESS REDEVELOPMENT

LOCATION: PATERSON LAKE

SHEET 2 OF 14 DATE: 06/29/2022



EXCAVATE 24' x 120'
GRAVEL BOAT RAMP
FOR NEW CONCRETE
BOAT LAUNCH

TURBIDITY CURTAIN
APPROX 97 LF



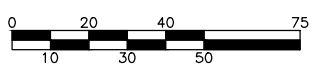
PATTERSON
LAKE

LEGEND

- Loc — LIMITS OF CONSTRUCTION
- - - EDGE OF GRAVEL
- HTL — ORDINARY HIGH WATER
- - - EDGE OF WATER
- PL — PROPERTY LINE
- ROW — RIGHT OF WAY
- TC — TURBIDITY CURTAIN
- SW — STRAW WATTLE
- OHW — ORDINARY HIGH WATER

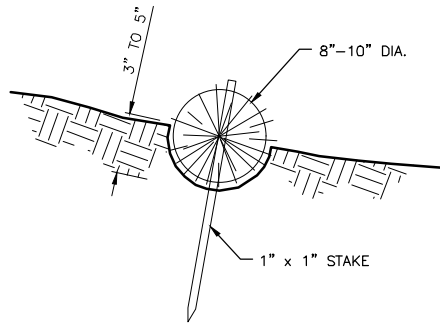
EROSION AND DEMO PLAN

SCALE: 1" = 50'



SCALE: 1" = 50'

REFERENCE NUMBER: **NWS-2022-455**
 APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
ACCESS REDEVELOPMENT
 LOCATION: **PATTERSON LAKE**
 SHEET **3** OF **14** DATE: **06/29/2022**



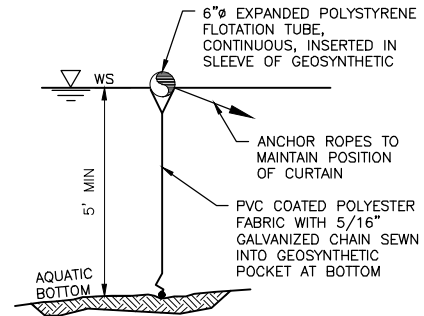
STRAW WATTLE DETAIL

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS:

1. PREPARE THE SLOPE BEFORE THE WATTLING 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 GULLIES PROMPTLY.
14. RESEED OR REPLANT VEGETATION IF NECESSARY UNTIL SLOPES ARE STABILIZED.



TURBIDITY CURTAIN

NOT TO SCALE

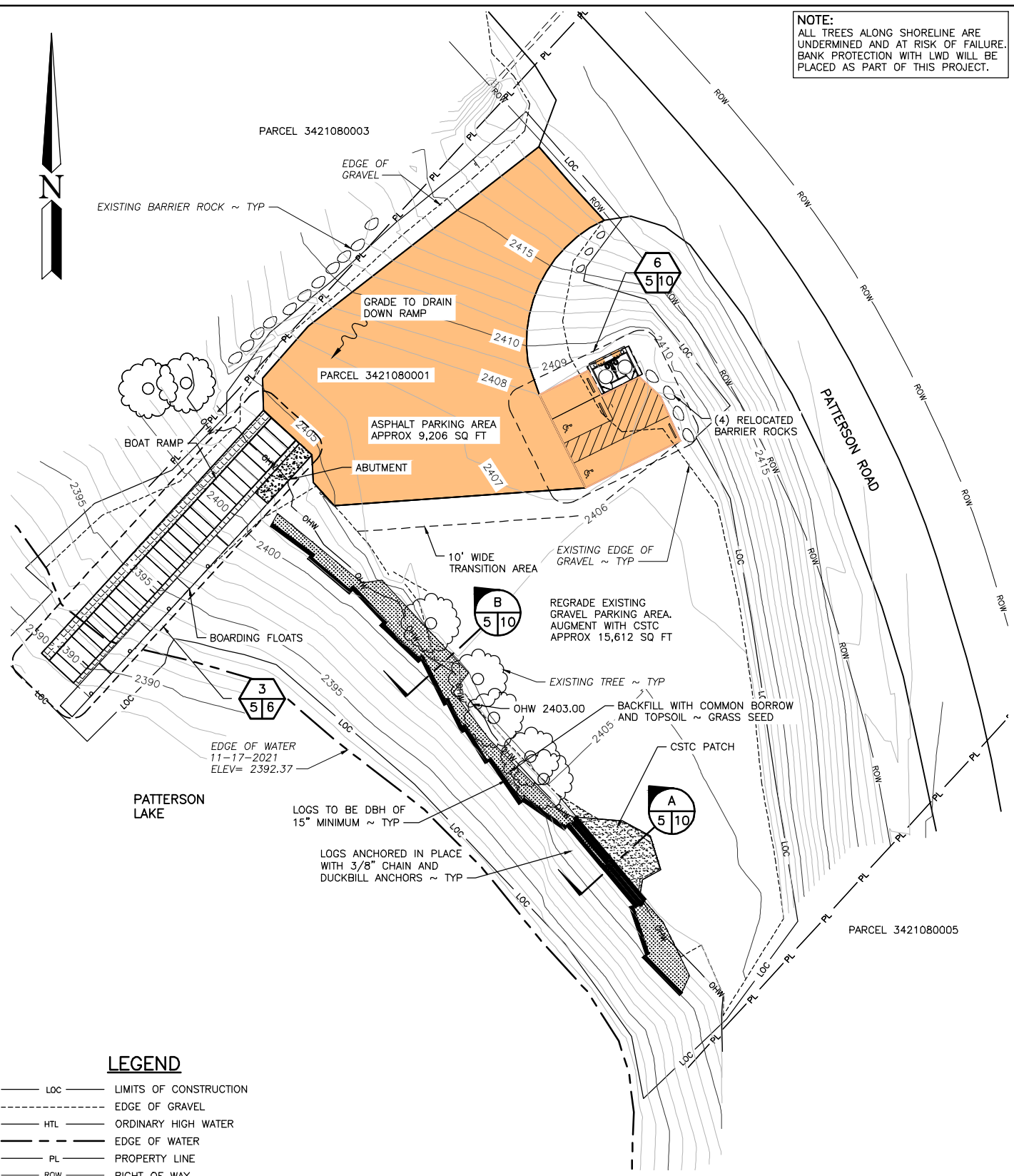


NOTES:

1. FABRIC IS 22 OUNCES PER SQUARE YARD

REFERENCE NUMBER: **NWS-2022-455**
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: PATTERSON LAKE
 SHEET 4 OF 14 DATE: 06/29/2022

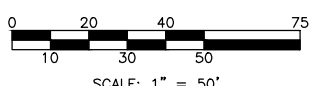
NOTE:
 ALL TREES ALONG SHORELINE ARE
 UNDERMINED AND AT RISK OF FAILURE.
 BANK PROTECTION WITH LWD WILL BE
 PLACED AS PART OF THIS PROJECT.



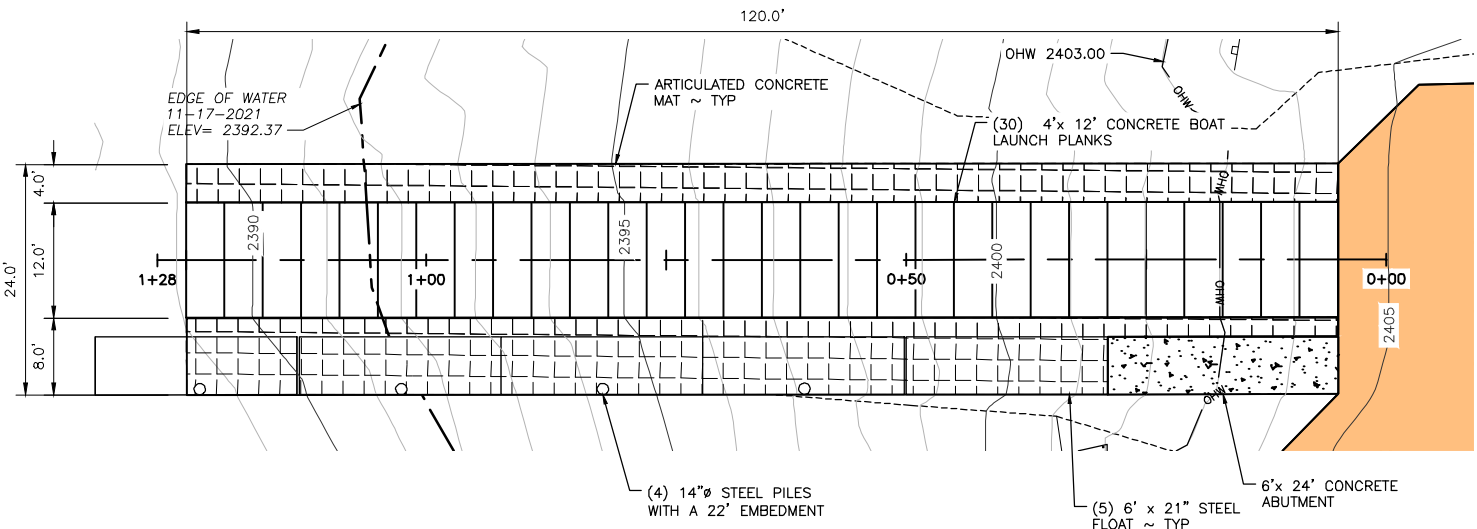
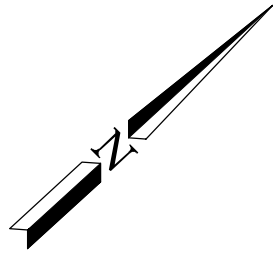
LEGEND

- LOC —— LIMITS OF CONSTRUCTION
- - - - - EDGE OF GRAVEL
- - - - - HTL ——— ORDINARY HIGH WATER
- - - - - EDGE OF WATER
- PL —— PROPERTY LINE
- ROW —— RIGHT OF WAY
- OHW —— ORDINARY HIGH WATER

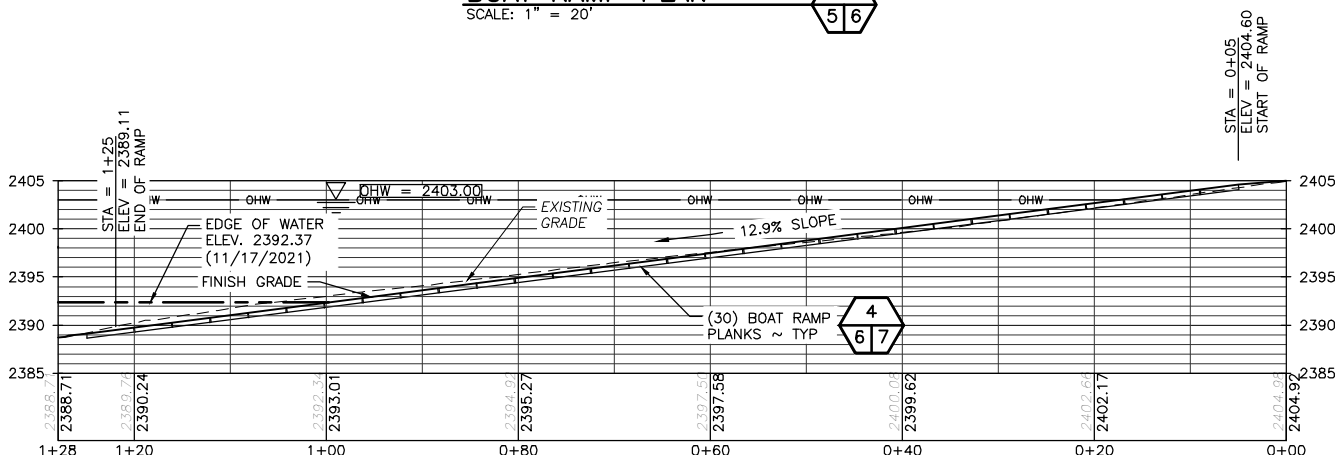
PROPOSED SITE PLAN
 SCALE: 1" = 50'



REFERENCE NUMBER: **NWS-2022-455**
 APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
ACCESS REDEVELOPMENT
 LOCATION: **PATTERSON LAKE**
 SHEET **5** OF **14** DATE: **06/29/2022**



BOAT RAMP PLAN
SCALE: 1" = 20'



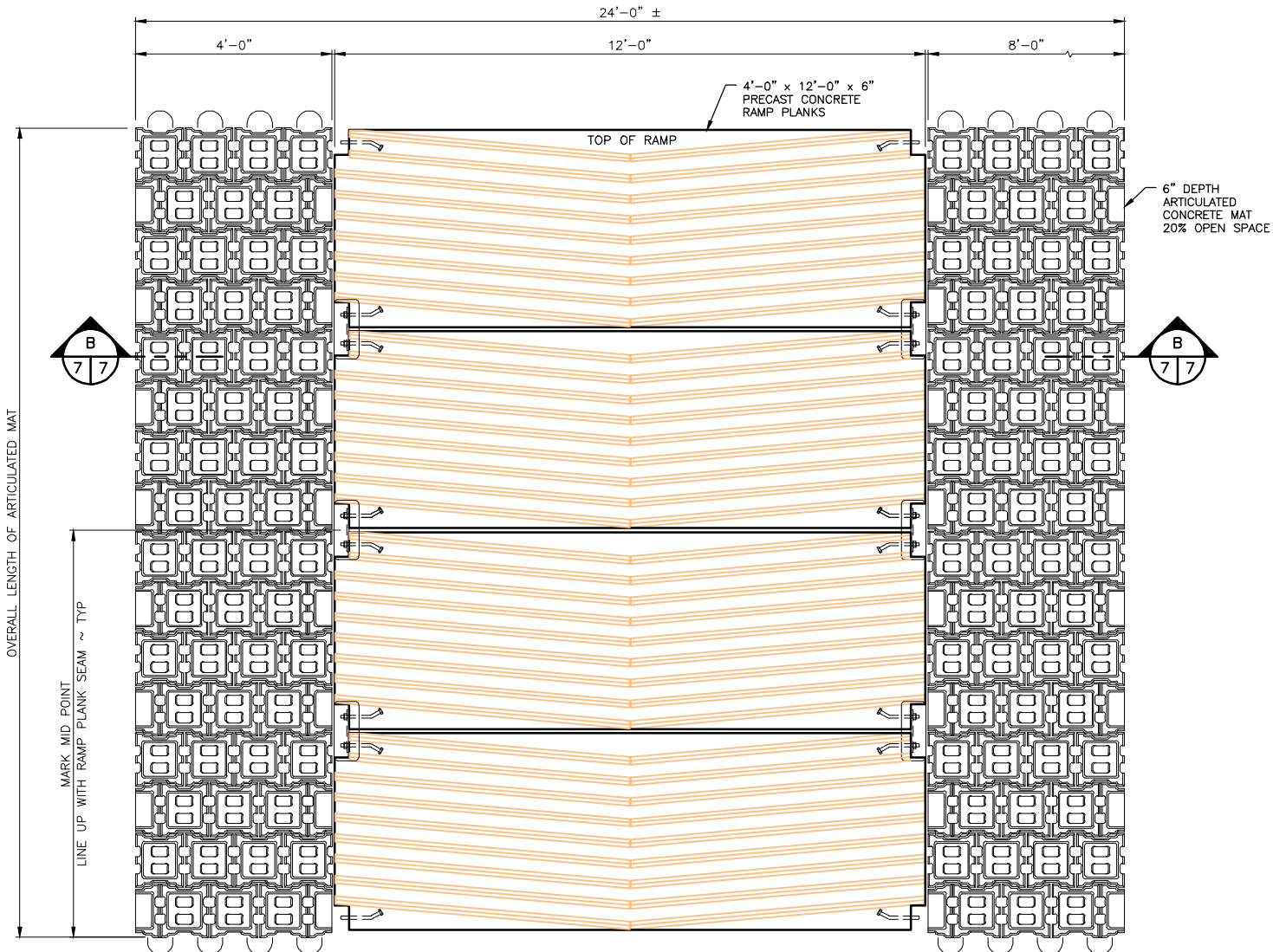
BOAT LAUNCH RAMP PROFILE
SCALE: 1" = 20'



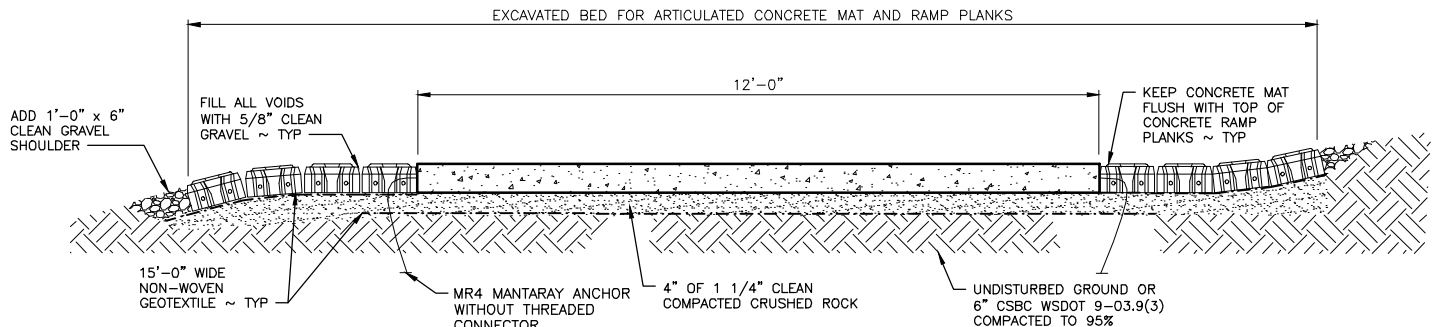
MATERIAL	QUANTITIES (CY)				AREA (SF)	
	CUT ABOVE OHW	CUT BELOW OHW	FILL ABOVE OHW	FILL BELOW OHW	BELOW OHW	ABOVE OHW
RAMP PLANKS	--	--	--	26.7	1440	--
ARTICULATED MAT	--	--	--	25.2	1296	--
CONCRETE ABUTMENT	--	--	2.0	10.0	--	144
RAMP SUBGRADE ROCK	22.2	62.2	--	44.4	--	--
HMA (NEW PAVING)	--	--	97.0	--	--	10,476
CSTC (GRADE EXISTING LOT)	--	--	64.0	--	--	15,612
COMMON BORROW	8.0	--	20.0	30.0	--	--
TOPSOIL	--	--	40.0	--	--	2,100
NET TOTAL	30.2	62.2	261.0	136.3		

EXISTING IMPERVIOUS SURFACE	27,417 SF
PROPOSED IMPERVIOUS SURFACE	26,832 SF
FLOAT AREA ((5) @ 6' x 21' FLOATS)	630 SF

REFERENCE NUMBER: **NWS-2022-455**
 APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
ACCESS REDEVELOPMENT
 LOCATION: **PATTERSON LAKE**
 SHEET **6** OF **14** DATE: **06/29/2022**



TYPICAL RAMP PLANK PLAN
NOT TO SCALE



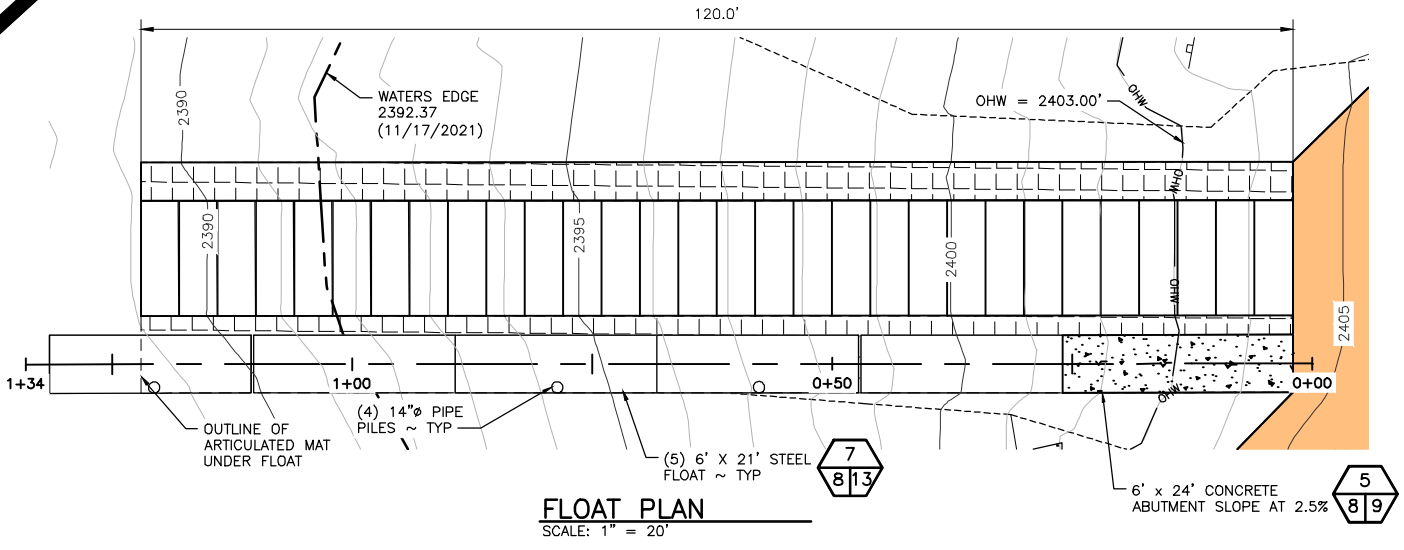
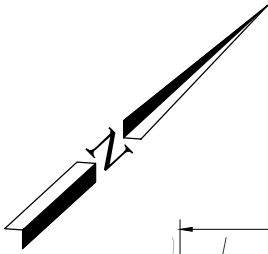
RAMP PLANK
NOT TO SCALE



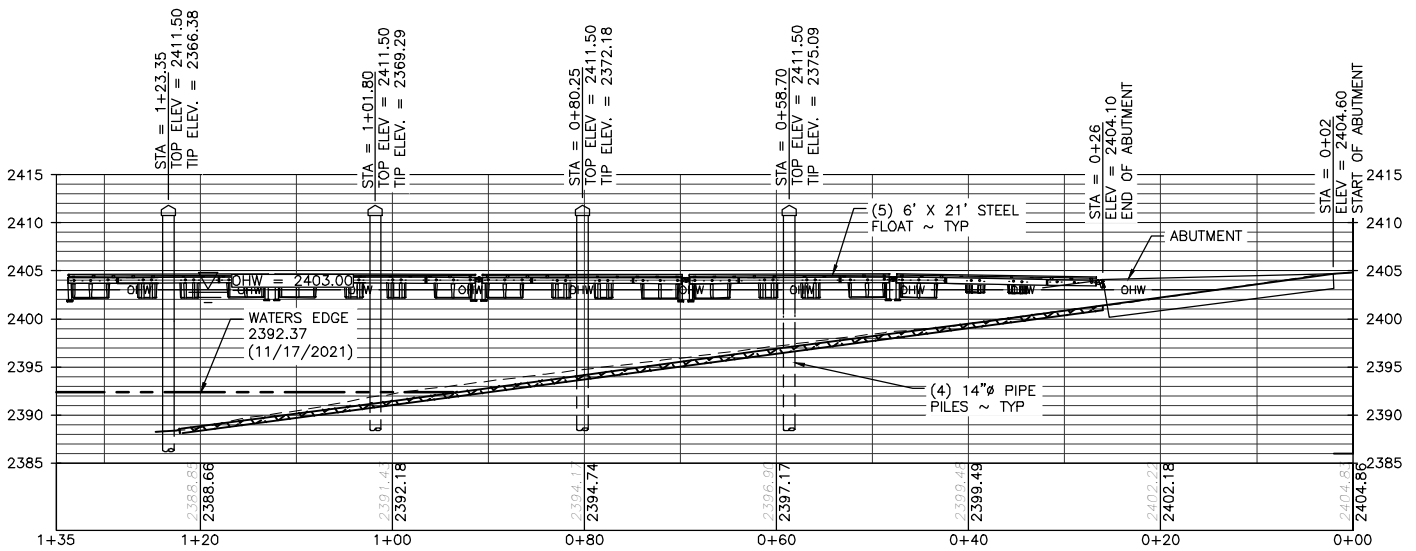
NOTE:

SEE SITE PLAN AND BOAT RAMP PLAN FOR SIZE AND LAYOUT OF ARTICULATED CONCRETE MATS.

REFERENCE NUMBER: **NWS-2022-455**
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: PATTERSON LAKE
 SHEET 7 OF 14 DATE: 06/29/2022

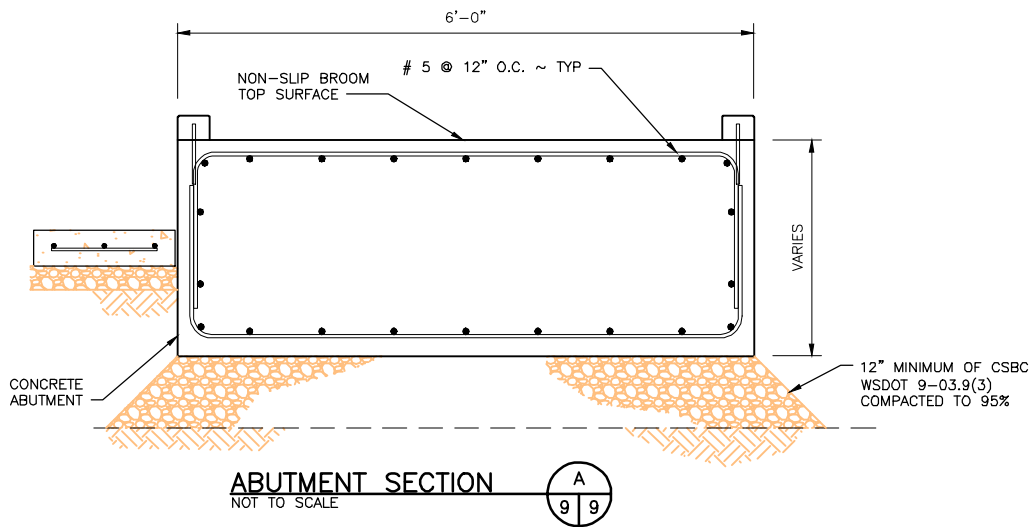
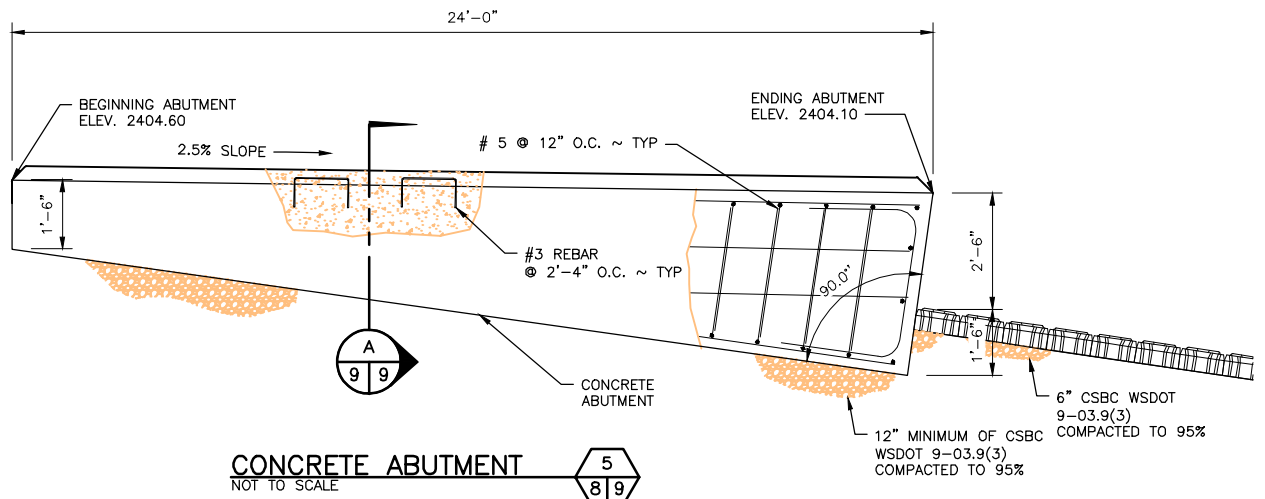


FLOAT PLAN
SCALE: 1" = 20'

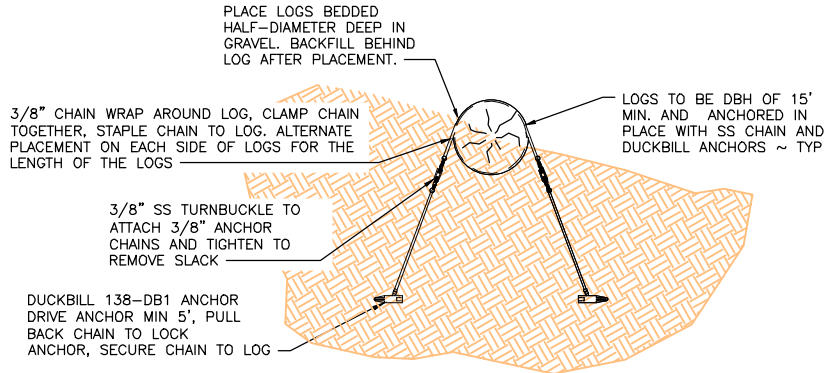


FLOAT PROFILE
SCALE: 1" = 20'

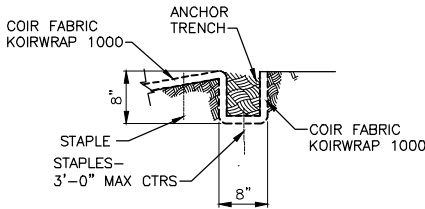
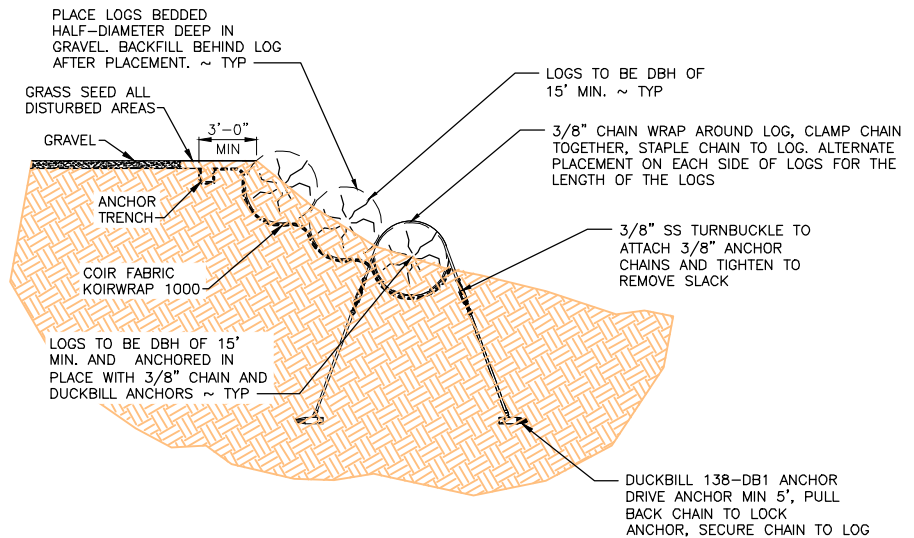
REFERENCE NUMBER: **NWS-2022-455**
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: PATTERSON LAKE
 SHEET 8 OF 14 DATE: 06/29/2022



REFERENCE NUMBER: **NWS-2022-455**
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: PATTERSON LAKE
 SHEET 9 OF 14 DATE: 06/29/2022



LOG BARRIER
NOT TO SCALE



ANCHOR TRENCH DETAIL
NOT TO SCALE

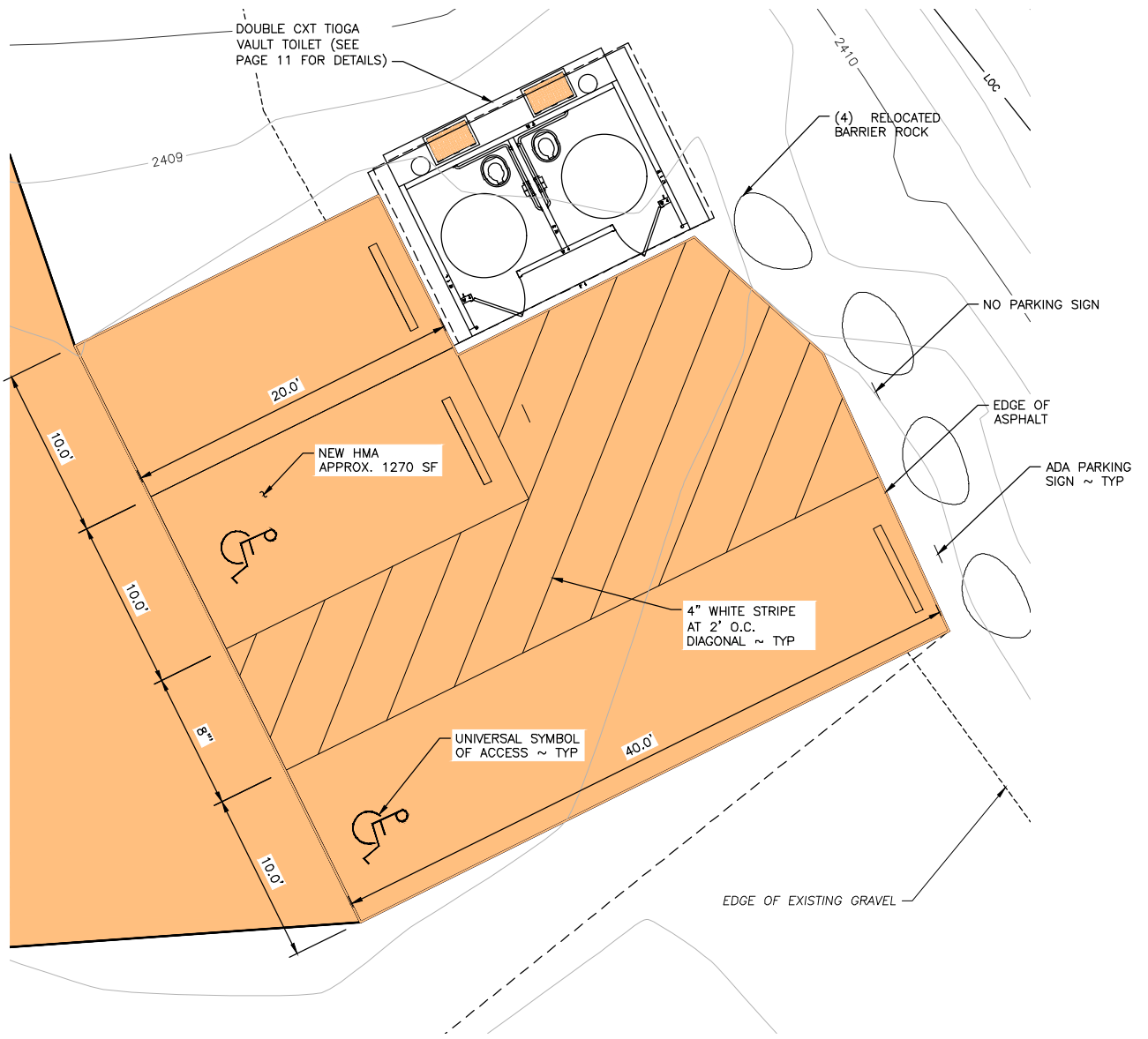
PATCH AREA LOG BARRIER
NOT TO SCALE



NOTES:

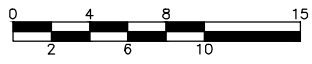
1. ANCHOR TRENCHES ARE TO BE INSTALL AT LEAST 3 FEET BEYOND THE CREST OF THE SLOPE IN A SLOPE CONDITION.
2. OVERLAPS (EDGE TO EDGE) BETWEEN ROLLS SHOULD BE 3 TO 4 INCHES. THE (END TO END) SLICE BETWEEN ROLLS SHOULD BE 2 TO 3 FEET AND SHINGLED IN THE DIRECTION OF THE WATER FLOW. ALWAYS SECURELY FASTEN TO THE GROUND THE EDGES AND OVERLAPS WITH INTERVALS OF 3 FEET.
3. SECURELY FASTEN DOWN THE CENTER OF EACH ROLL STAGGERING CENTERLINE STAPLES BETWEEN THE OUTSIDE STAPLES WITH A SPACING INTERVAL OF 3 FEET.
4. 3 - 4 STAPLES PER SQUARE YARD.
5. ALWAYS INSTALL TO ROWS OF STAPLES SPACED 1.5 x 1.5 FEET APART AT THE ROLL SPLICE LOCATIONS.
6. INSTALL ADDITIONAL STAPLES AS REQUIRED TO ENSURE INTIMATE CONTACT WITH THE SOIL.
7. 8 INCH MINIMUM U-SHAPES STAPLES SHOULD BE INSTALLED FLUSH WITH THE SOIL SURFACE.
8. LEADING EDGES OF FABRIC SHALL BE BURIED A MINIMUM OF 12 INCHES AT A MINIMUM 45 DEGREE DOWN ANGLE.

REFERENCE NUMBER: **NWS-2022-455**
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: PATTERSON LAKE
 SHEET 10 OF 14 DATE: 06/29/2022



CTX TOILET PAVING PLAN

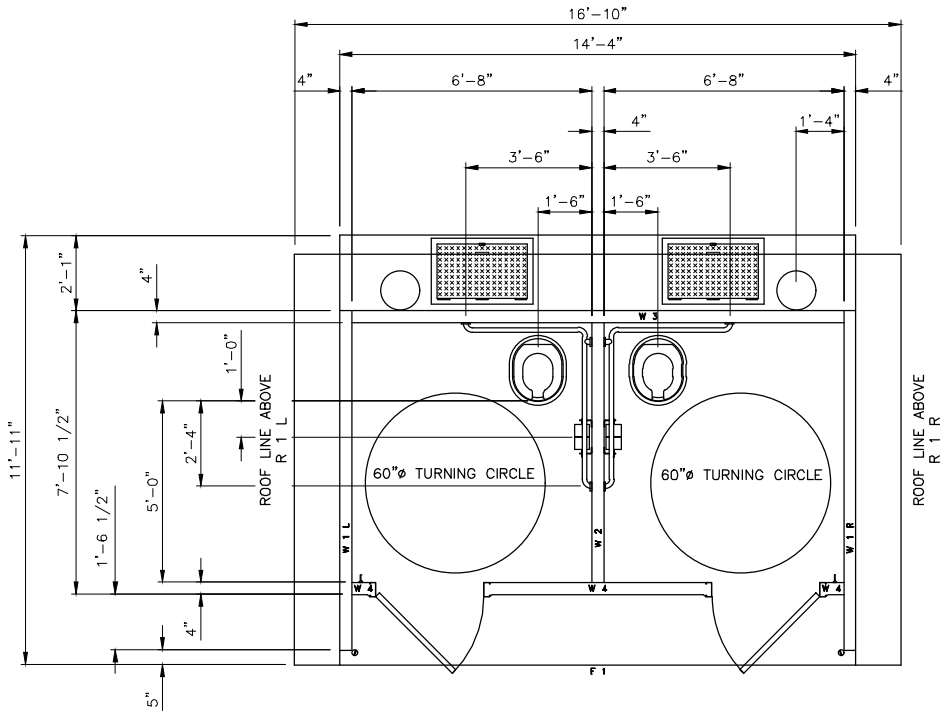
SCALE: 1" = 10'



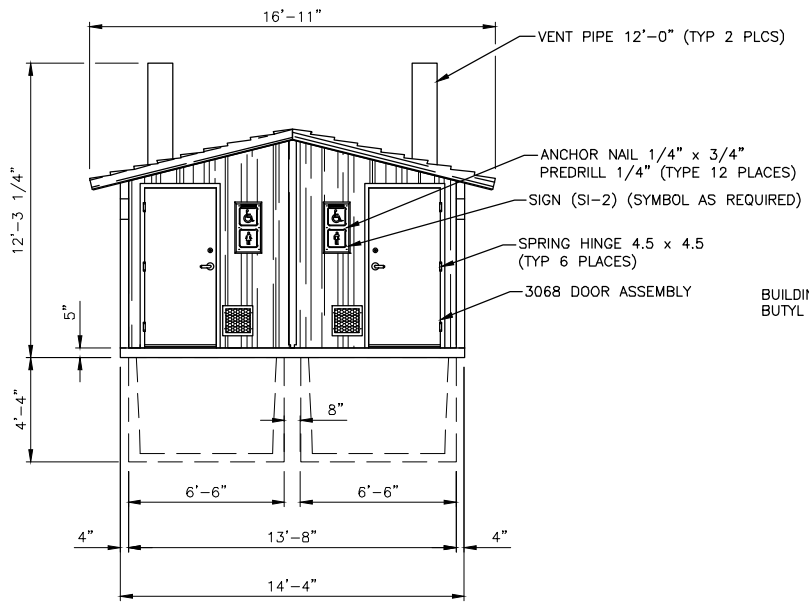
SCALE: 1" = 10'

NOTE:
SEE PAGE 12 FOR ACCESSIBLE
PARKING DETAILS.

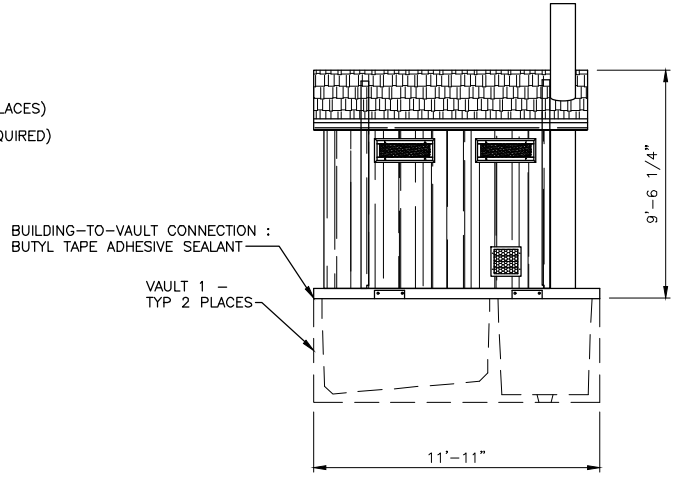
REFERENCE NUMBER: **NWS-2022-455**
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: PATTERSON LAKE
 SHEET 11 OF 14 DATE: 06/29/2022



CXT TIOGA VAULT TOILET DETAIL
 SCALE 3/16" = 1'-0"

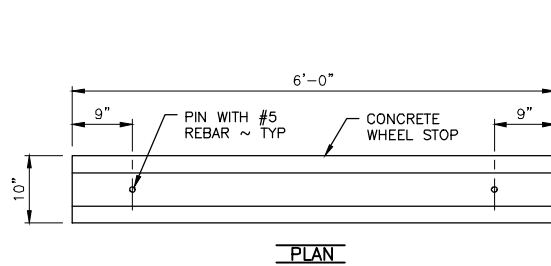


FRONT ELEVATION
 SCALE 1/8" = 1'-0"

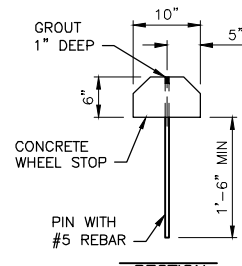


SIDE ELEVATION
 SCALE 1/8" = 1'-0"

REFERENCE NUMBER: **NWS-2022-455**
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: PATTERSON LAKE
 SHEET 12 OF 14 DATE: 06/29/2022

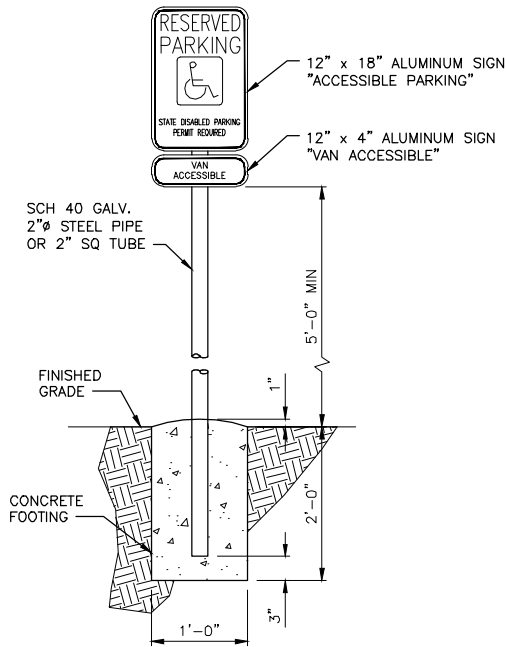


PLAN



SECTION

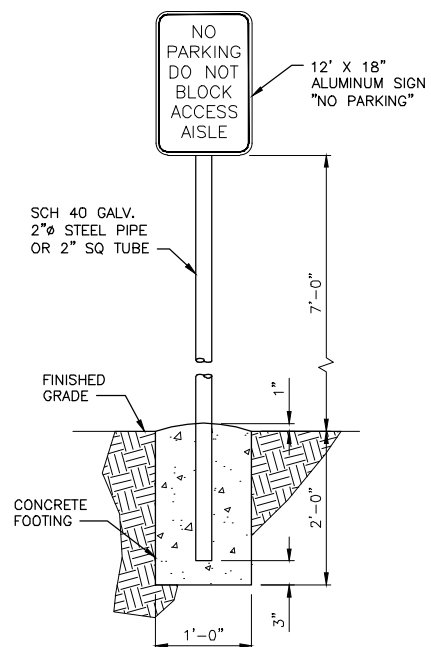
CONCRETE WHEEL STOP
NOT TO SCALE



ACCESSIBLE PARKING SIGN
NOT TO SCALE

NOTE:

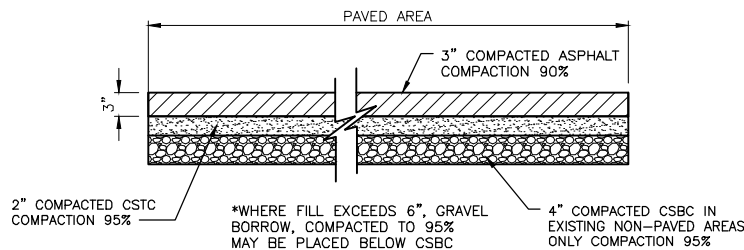
USE TAMPER RESISTANT NUTS TO ATTACH SIGNS TO POST.



NO PARKING SIGN
NOT TO SCALE

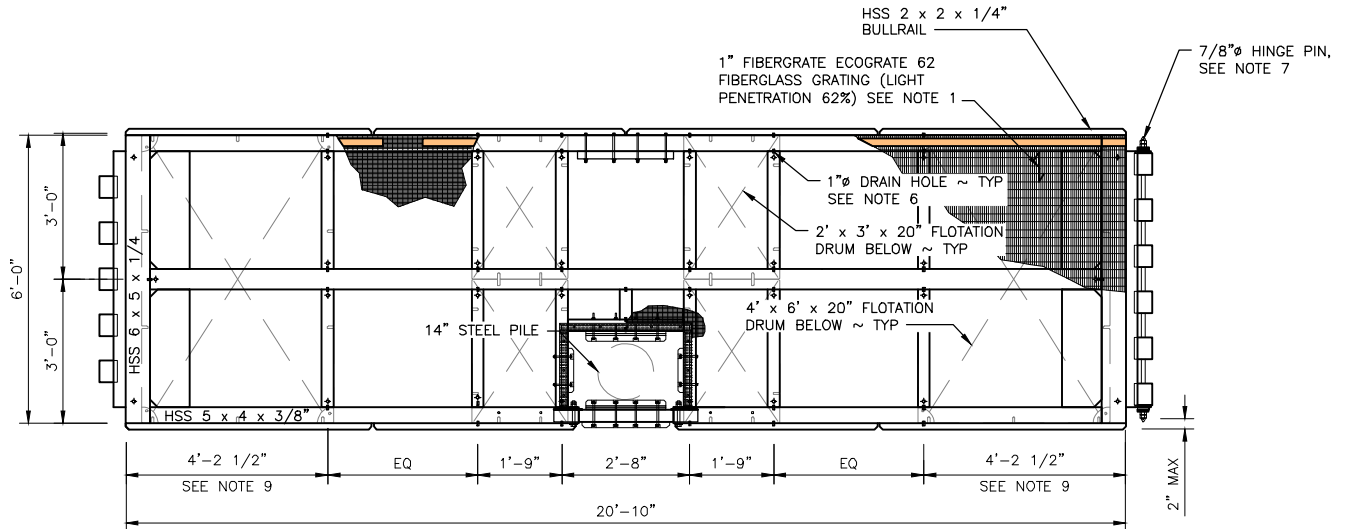
NOTE:

USE TAMPER RESISTANT NUTS TO ATTACH SIGNS TO POST.



PAVEMENT DETAIL
NOT TO SCALE

REFERENCE NUMBER: **NWS-2022-455**
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS REDEVELOPMENT
 LOCATION: PATTERSON LAKE
 SHEET 13 OF 14 DATE: 06/29/2022



1A
1313

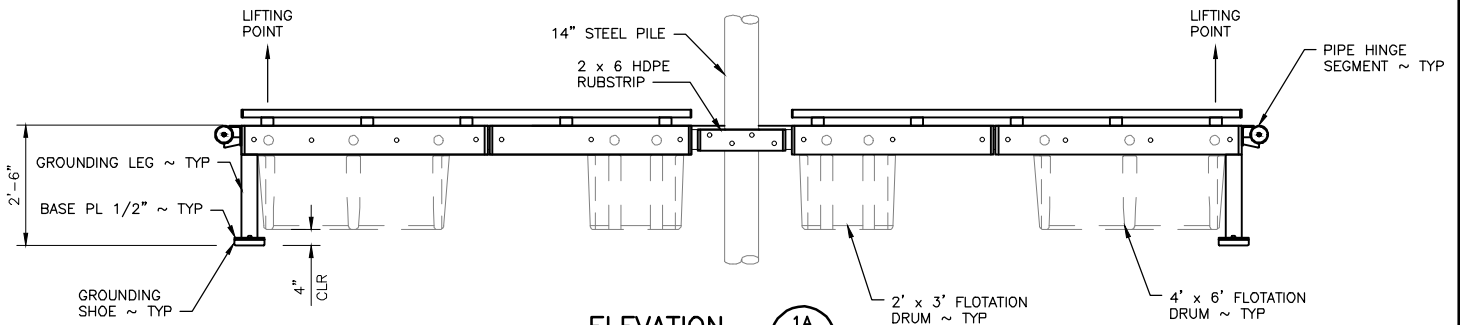
6' WIDE INTERIOR PILE FLOAT PLAN

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

7
813

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
1313

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: **NWS-2022-455**

APPLICANT NAME:

WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

ACCESS REDEVELOPMENT

LOCATION: PATTERSON LAKE

SHEET 14 OF 14 DATE: 06/29/2022