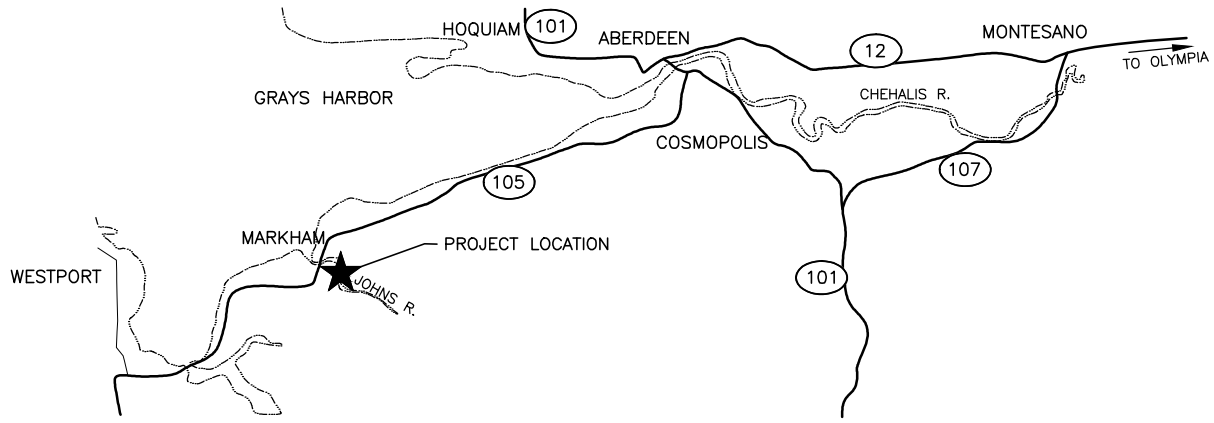


STATE MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

DIRECTIONS
FROM ABERDEEN HEAD SOUTH ON HWY 105 TO JOHN'S RIVER. CROSS OVER THE BRIDGE AND TURN LEFT ONTO JOHN'S RIVER ROAD. TURN LEFT AGAIN ONTO GAME FARM ROAD. IN .1 MILES, THE ACCESS WILL BE ON THE RIGHT.

ENG. PROJECT NO. GH:A102:2021-1 PORTION OF: SEC.1, T16N, R11W, W.M. DRAWN BY: C. TORSTVET

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

PROJECT LOCATION (ADDRESS):
JOHN'S RIVER BOAT LAUNCH
GAME FARM RD
ABERDEEN, WA
LAT/LONG: **46°53'58" / 123°59'46"**
DATUM: NAVD'88
SHEET **1** OF **8** DATE: **12/03/2021**

PROPOSED PROJECT:
JOHN'S RIVER ACCESS
BOAT RAMP REPAIRS
IN: JOHN'S RIVER
NEAR/AT: WESTPORT
COUNTY: GRAYS HARBOR
STATE: WA



JOHN'S RIVER

105

PARCEL: 161101240000
PARCEL SIZE: 307.65 ACRES
OWNER NAME: DEPARTMENT OF FISH & WILDLIFE

JOHN'S RIVER



PROJECT SITE

RESIDENCE

EDGE OF TREE CANOPY

EDGE OF TREE CANOPY

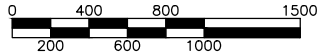
GAME FARM RD.

105

JOHN'S RIVER RD.

JOHN'S RIVER RD.

PROJECT AREA SITE PLAN

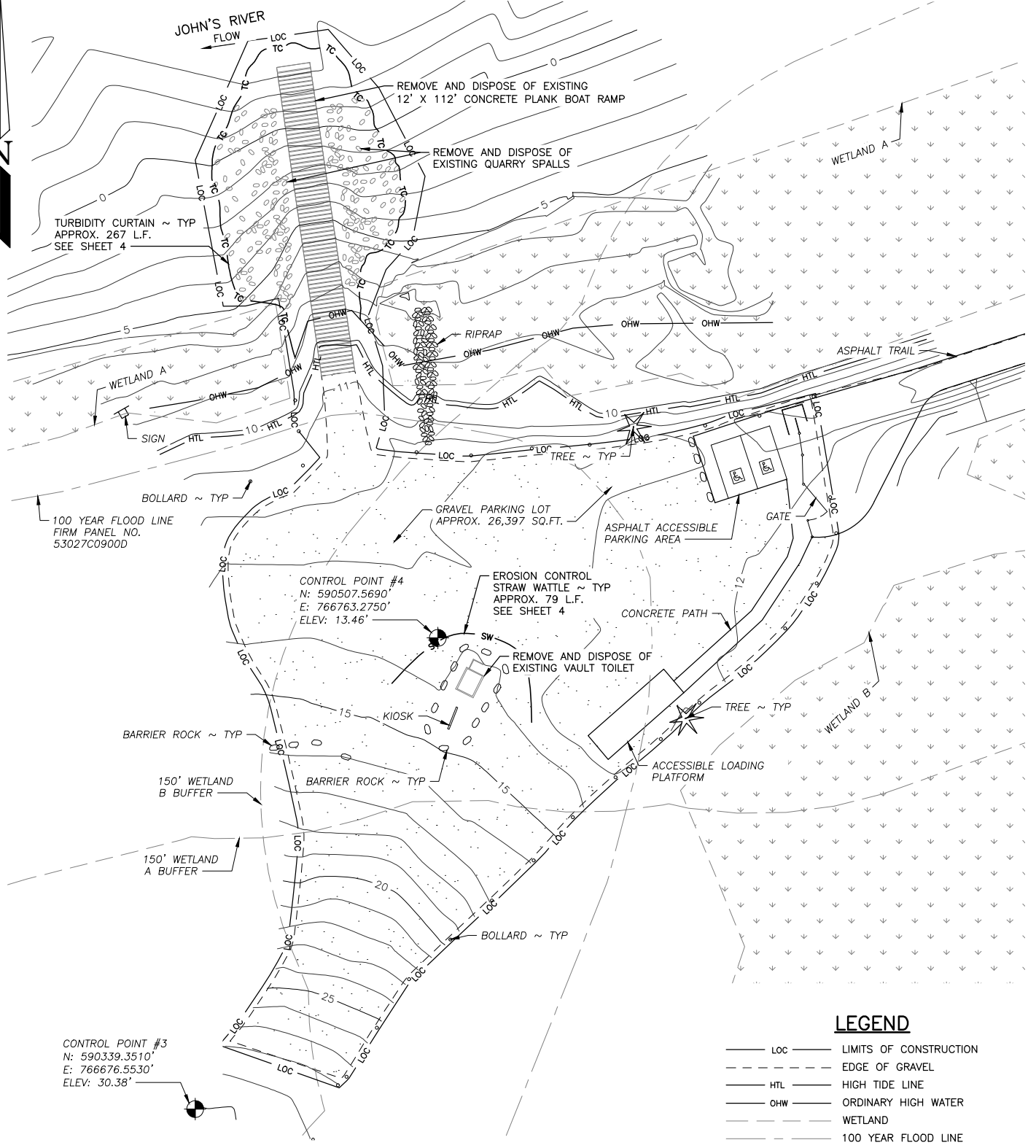


SCALE: 1" = 1000'

LEGEND

- PL — PROPERTY LINE
- - - GRAVEL ROAD
- - - - - PROJECT SITE
- - - - - ADJACENT PROPERTY

REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 BOAT RAMP REPAIRS
 LOCATION: JOHN'S RIVER ACCESS
 SHEET 2 OF 8 DATE: 12/03/2021



TURBIDITY CURTAIN ~ TYP
APPROX. 267 L.F.
SEE SHEET 4

100 YEAR FLOOD LINE
FIRM PANEL NO.
53027C0900D

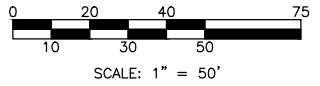
CONTROL POINT #4
N: 590507.5690'
E: 766763.2750'
ELEV: 13.46'

CONTROL POINT #3
N: 590339.3510'
E: 766676.5530'
ELEV: 30.38'

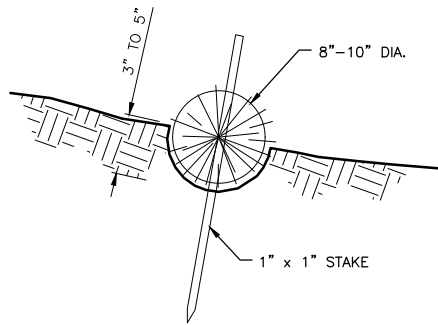
LEGEND

- LOC — LIMITS OF CONSTRUCTION
- - - EDGE OF GRAVEL
- HTL — HIGH TIDE LINE
- OHW — ORDINARY HIGH WATER
- - - WETLAND
- - - 100 YEAR FLOOD LINE

EXISTING SITE & DEMOLITION PLAN



REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 BOAT RAMP REPAIRS
 LOCATION: JOHN'S RIVER ACCESS
 SHEET 3 OF 8 DATE: 12/03/2021

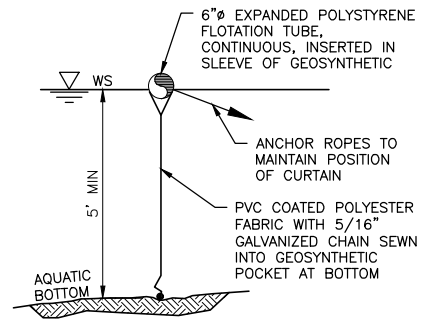


STRAW WATTLE DETAIL

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 GULLIES PROMPTLY.
14. RESEED OR REPLANT VEGETATION IF NECESSARY UNTIL SLOPES ARE STABILIZED.



TURBIDITY CURTAIN DETAIL

NOT TO SCALE

NOTES:

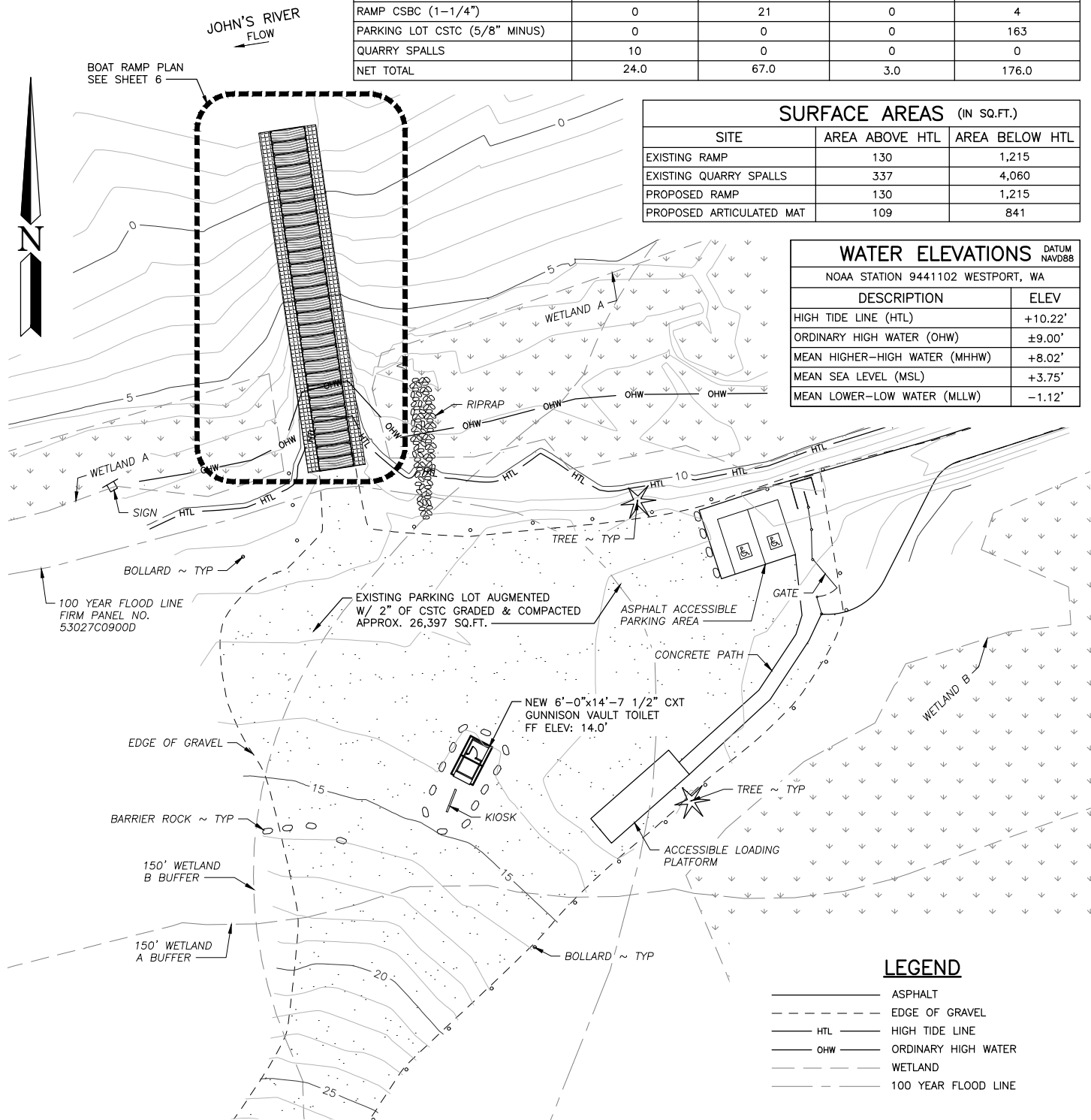
1. FABRIC IS 22 OUNCES PER SQUARE YARD

REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 BOAT RAMP REPAIRS
 LOCATION: JOHN'S RIVER ACCESS
 SHEET 4 OF 8 DATE: 12/03/2021

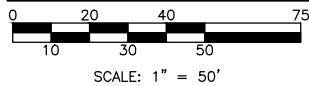
MATERIAL QUANTITIES (IN CUBIC YARDS)				
MATERIALS	CUT BELOW OHW	FILL BELOW OHW	CUT ABOVE OHW	FILL ABOVE OHW
RAMP PLANKS & ARTICULATED MAT	14	32	3	6
RAMP CSTC (5/8" MINUS)	0	14	0	3
RAMP CSBC (1-1/4")	0	21	0	4
PARKING LOT CSTC (5/8" MINUS)	0	0	0	163
QUARRY SPALLS	10	0	0	0
NET TOTAL	24.0	67.0	3.0	176.0

SURFACE AREAS (IN SQ.FT.)		
SITE	AREA ABOVE HTL	AREA BELOW HTL
EXISTING RAMP	130	1,215
EXISTING QUARRY SPALLS	337	4,060
PROPOSED RAMP	130	1,215
PROPOSED ARTICULATED MAT	109	841

WATER ELEVATIONS DATUM NAVD88	
NOAA STATION 9441102 WESTPORT, WA	
DESCRIPTION	ELEV
HIGH TIDE LINE (HTL)	+10.22'
ORDINARY HIGH WATER (OHW)	±9.00'
MEAN HIGHER-HIGH WATER (MHHW)	+8.02'
MEAN SEA LEVEL (MSL)	+3.75'
MEAN LOWER-LOW WATER (MLLW)	-1.12'



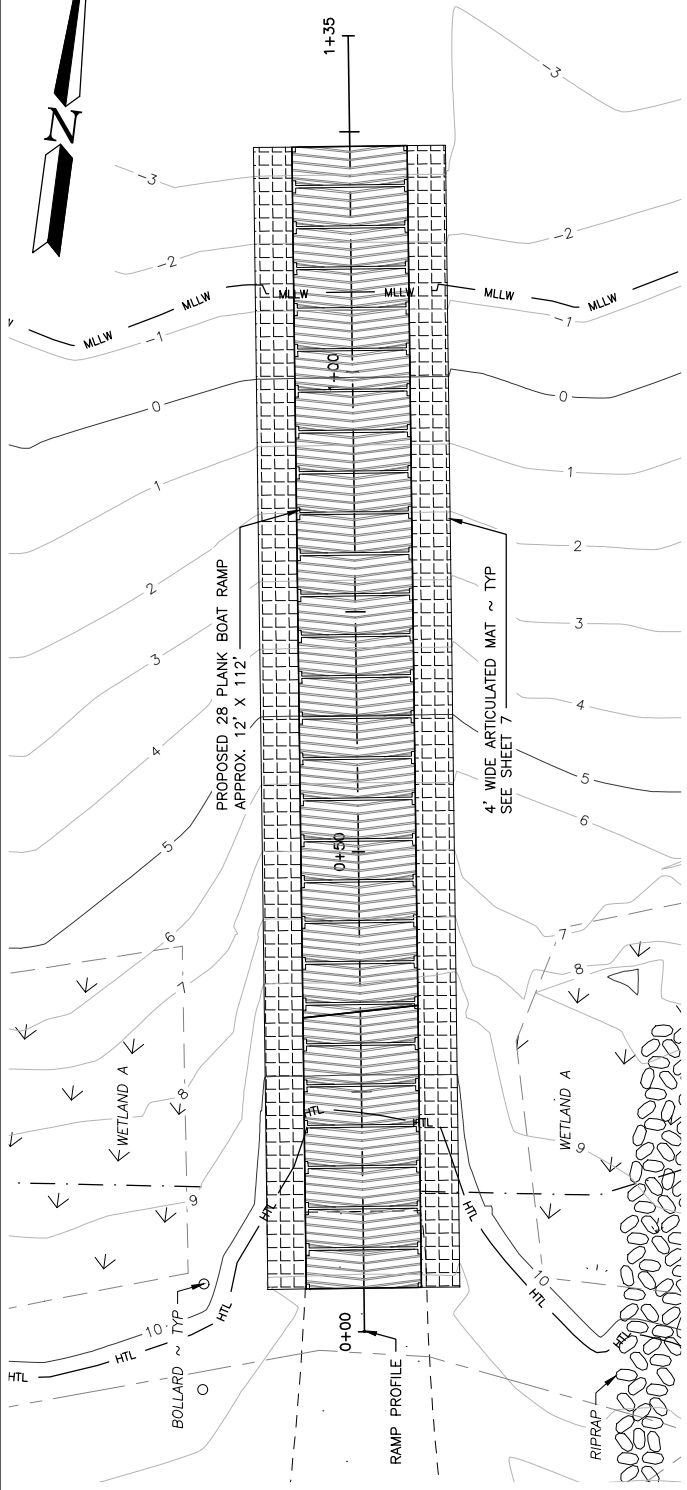
PROPOSED SITE PLAN



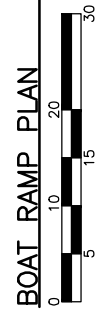
LEGEND

- ASPHALT
- - - EDGE OF GRAVEL
- HTL — HIGH TIDE LINE
- OHW — ORDINARY HIGH WATER
- - - WETLAND
- - - 100 YEAR FLOOD LINE

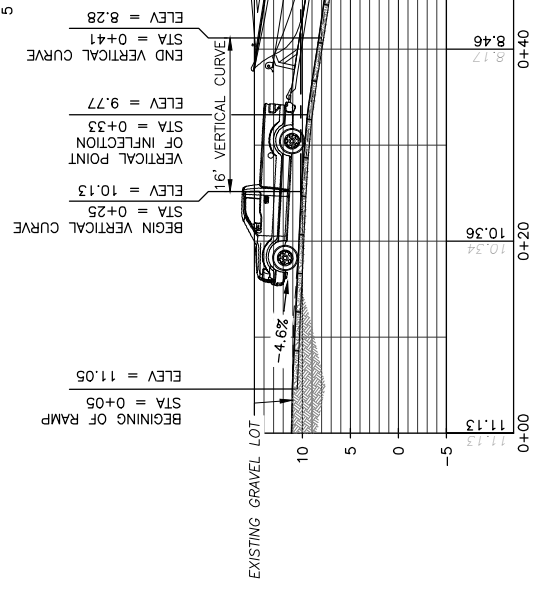
REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 BOAT RAMP REPAIRS
 LOCATION: JOHN'S RIVER ACCESS
 SHEET 5 OF 8 DATE: 12/03/2021



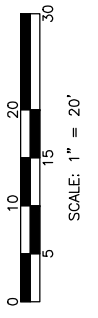
1
516



SCALE: 1" = 20'

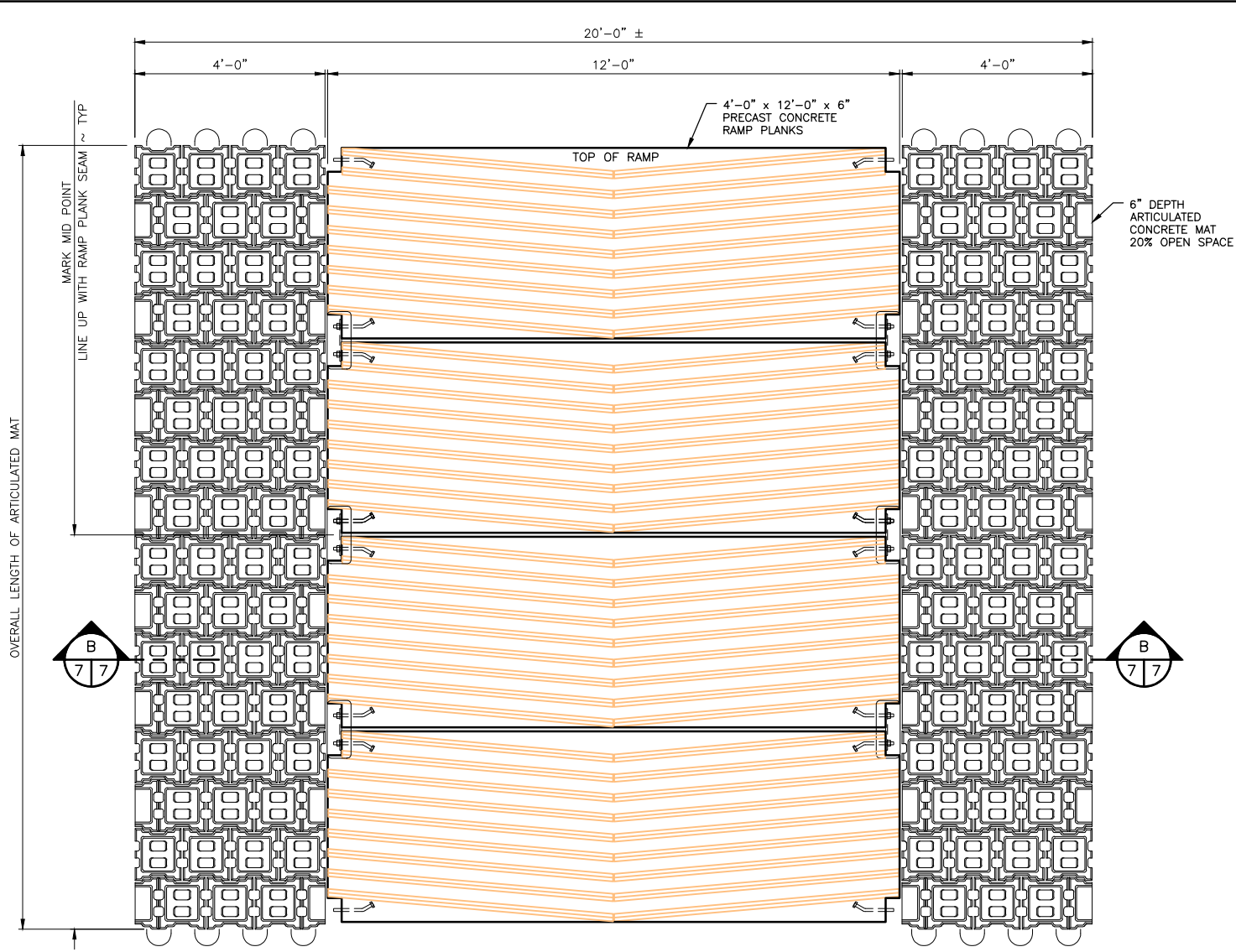


BOAT RAMP PROFILE

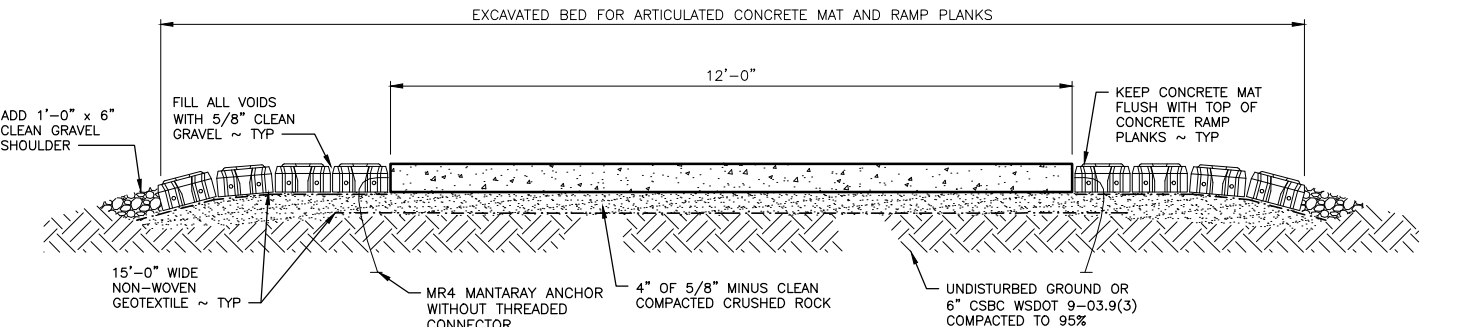


SCALE: 1" = 20'

REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 BOAT RAMP REPAIRS
 LOCATION: JOHN'S RIVER ACCESS
 SHEET 6 OF 8 DATE: 12/03/2021



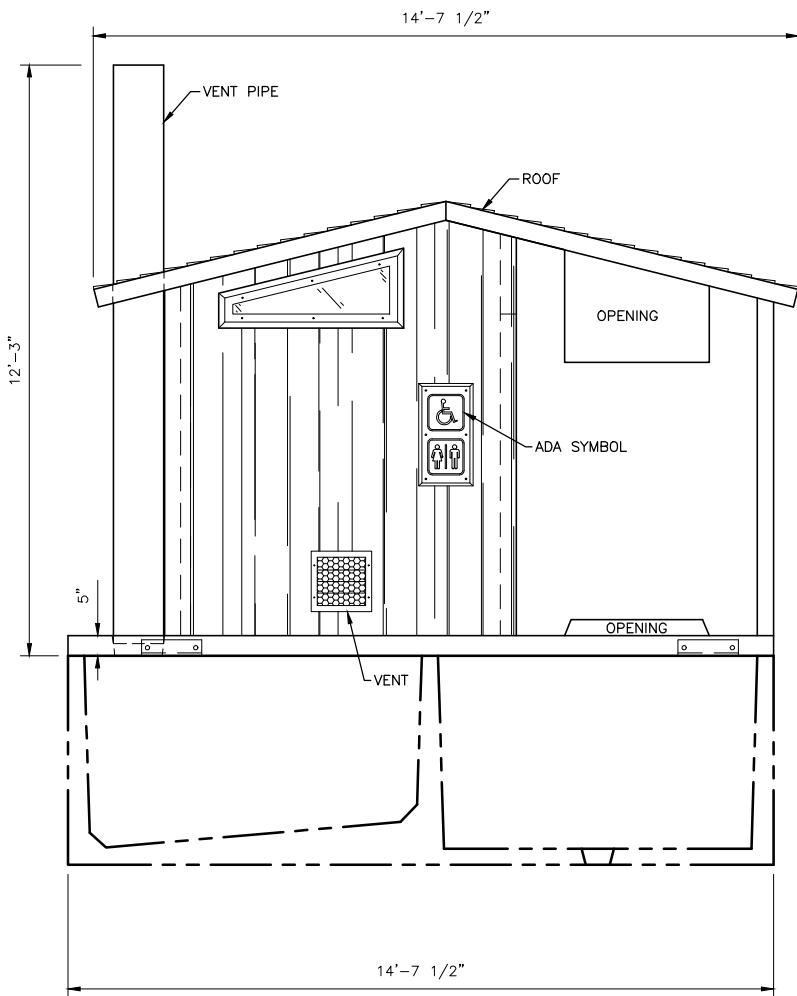
TYPICAL RAMP PLANK PLAN
NOT TO SCALE



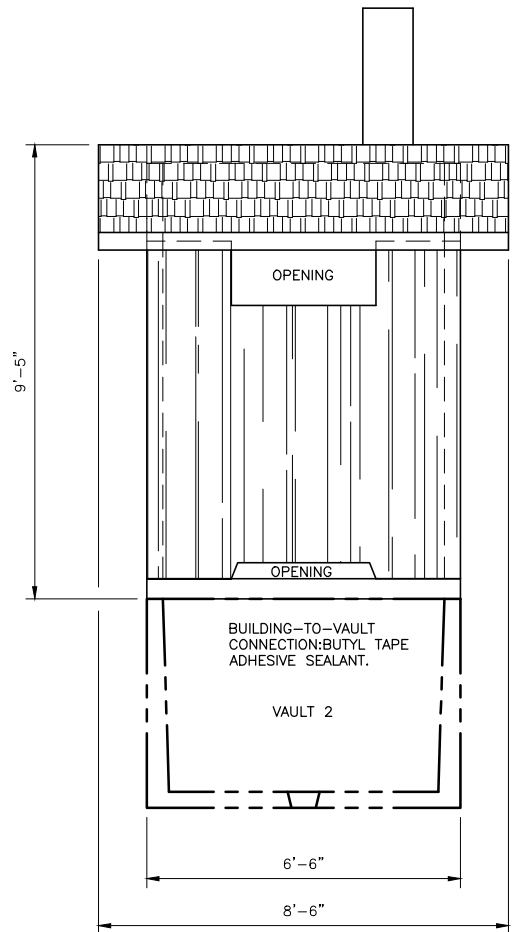
RAMP PLANK
NOT TO SCALE

NOTE:
SEE SITE PLAN FOR SIZE AND LAYOUT OF ARTICULATED CONCRETE MATS

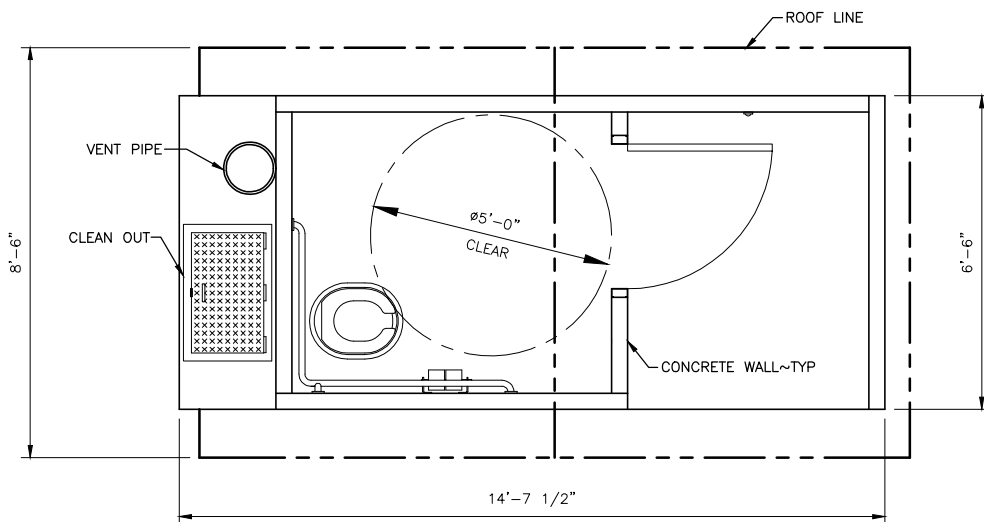
REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 BOAT RAMP REPAIRS
 LOCATION: JOHN'S RIVER ACCESS
 SHEET 7 OF 8 DATE: 12/03/2021



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:
 BOAT RAMP REPAIRS
 LOCATION: JOHN'S RIVER ACCESS
 SHEET 8 OF 8 DATE: 12/03/2021