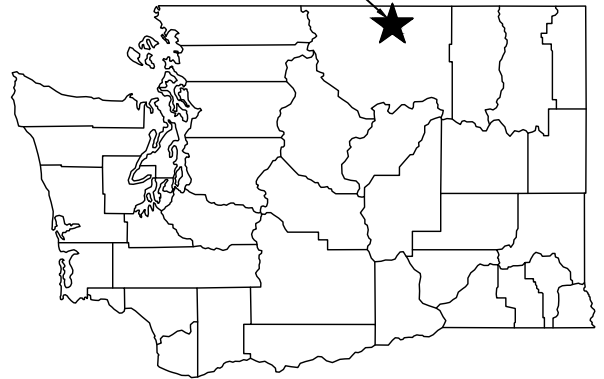
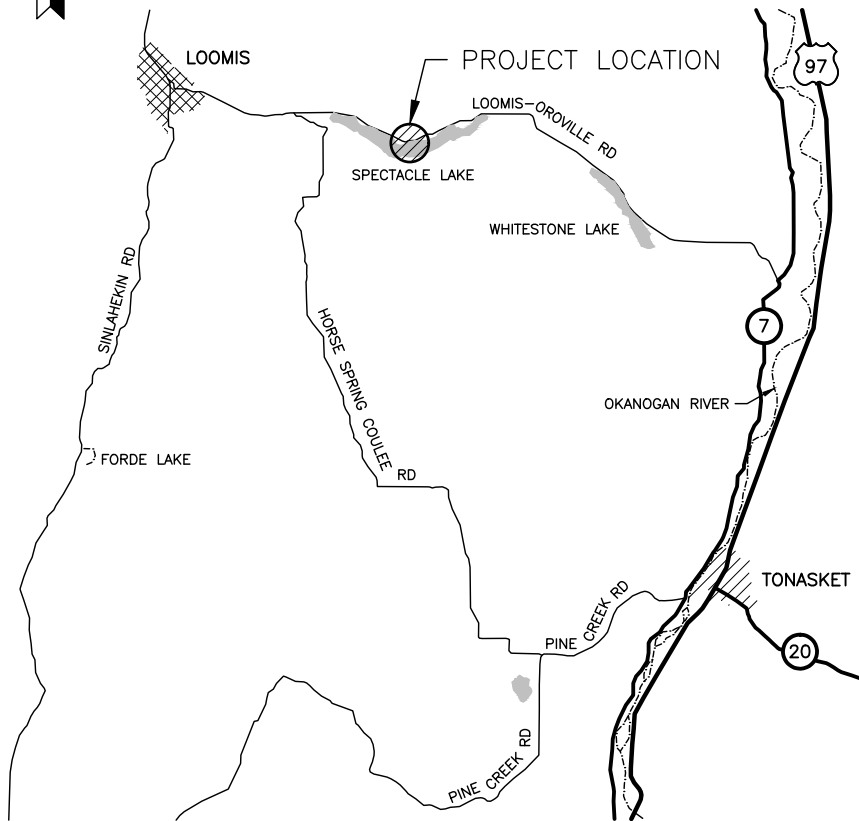




SPECTACLE LAKE ACCESS



STATE MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

PROJECT INFORMATION

APPLICANT:
WASHINGTON STATE DEPARTMENT OF FISH AND WILDLIFE
600 CAPITAL WAY N.
OLYMPIA, WA 98501
(360-902-8300)
DON PONDER, CHIEF ENGINEER
JOHN HANSEN, PROJECT MANAGER

DIRECTIONS

DIRECTIONS TO FACILITY

1. FROM LOOMIS, HEAD EAST ON LOOMIS-OROVILLE RD (4.2 MI).
2. TURN RIGHT AT ENTRANCE TO PROJECT LOCATION (LOCATED PRIOR TO SPECTACLE LAKE CAMPGROUND).

ENG. PROJECT NO. OK:A382:2024-1

PORTION OF: S10, T38N, R26E, W.M.

DRAWN BY: R. SANTIAGO

REFERENCE NUMBER: -----

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

- ADJACENT PROPERTY OWNER:
1. USA BUREAU OF RECLAMATION
 2. USA BUREAU OF RECLAMATION

PROJECT LOCATION (ADDRESS):
SPECTACLE LAKE ACCESS
745-687 LOOMIS-OROVILLE RD
TONASKET, WA 98855

LAT/LONG: 48.80954/119.54593
DATUM: NAVD 88
SHEET 1 OF 13 DATE: 10/14/2024

PROPOSED PROJECT:
SPECTACLE LAKE ACCESS
AREA IMPROVEMENTS

IN: SPECTACLE LAKE
NEAR/AT: LOOMIS
COUNTY: OKANOGAN
STATE: WA



PARCEL #:382610001
 OWNER: MC MILLAN ORCHARD
 INC
 ACRES: 10.14

PARCEL #:3826100067
 OWNER: MC MILLAN ORCHARD
 INC
 ACRES: 27.60

PARCEL #:3826100047
 OWNER: USA BUREAU OF
 RECLAMATION
 ACRES: 0.85

PARCEL #:3826100049
 OWNER: USA BUREAU OF
 RECLAMATION
 ACRES: 5.61

PARCEL #:3826100051
 OWNER: USA BUREAU OF
 RECLAMATION
 ACRES: 1.09

ADJACENT PROPERTY
 LINE ~ TYP

SECTION LINE

WETLAND B
 3,331 SF

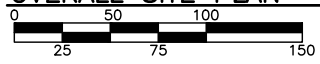
WETLAND B
 150' BUFFER

WETLAND A
 150' BUFFER

SPECTACLE LAKE

EXISTING SITE PLAN
 SEE SHEET 3.
 PROPOSED SITE PLAN
 SEE SHEET 5

OVERALL SITE PLAN



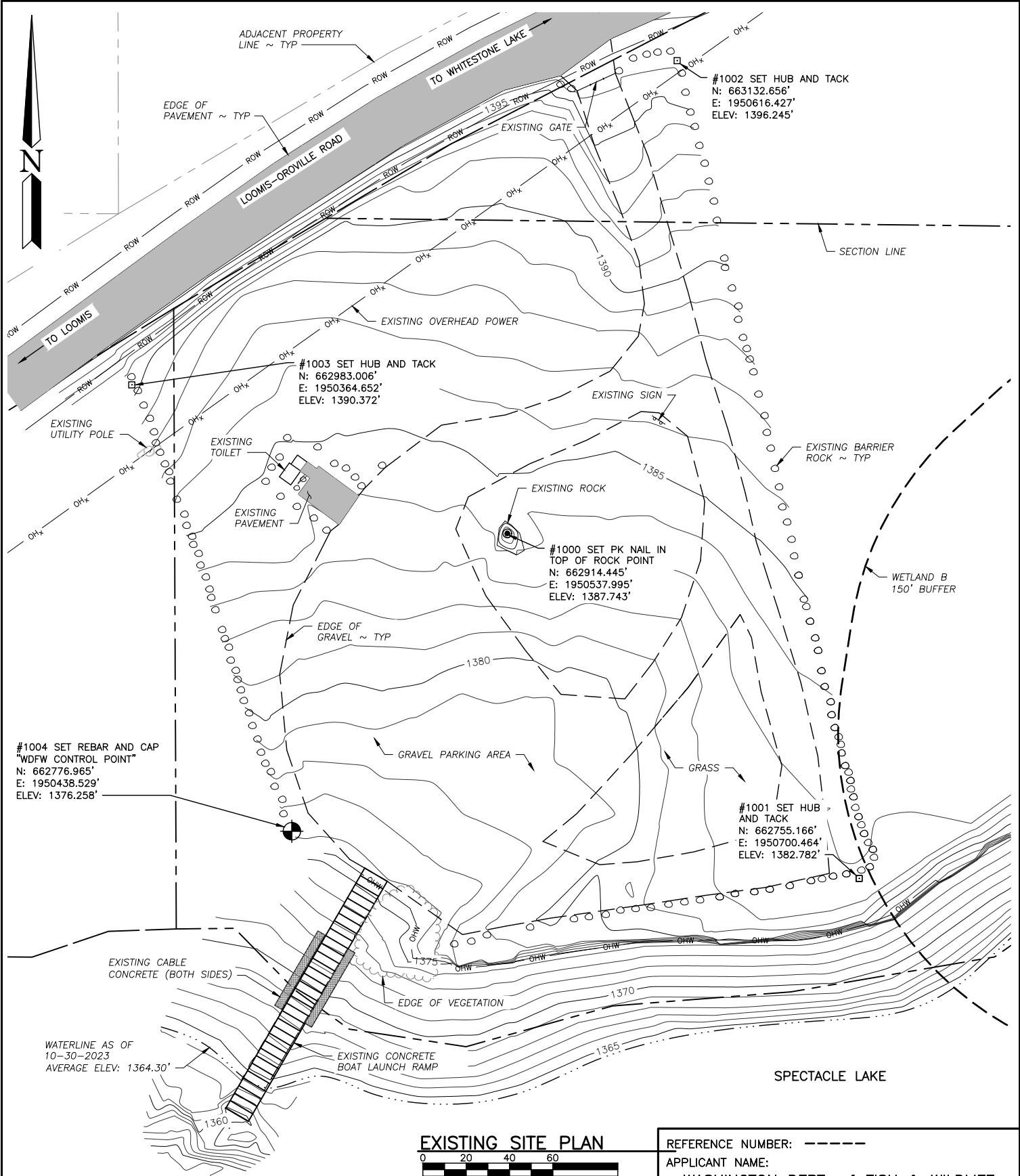
SCALE: 1" = 100'



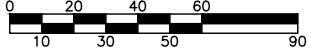
NAVD 88

NOTE:
 WETLAND A IS A 2,400 SF CAT II WETLAND AND IS EXEMPT
 FROM REGULATIONS PER OKANOGAN COUNTY CODE 14.12.570.

REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 AREA IMPROVEMENTS
 LOCATION: SPECTACLE LAKE ACCESS
 SHEET 2 OF 13 DATE: 10/14/2024

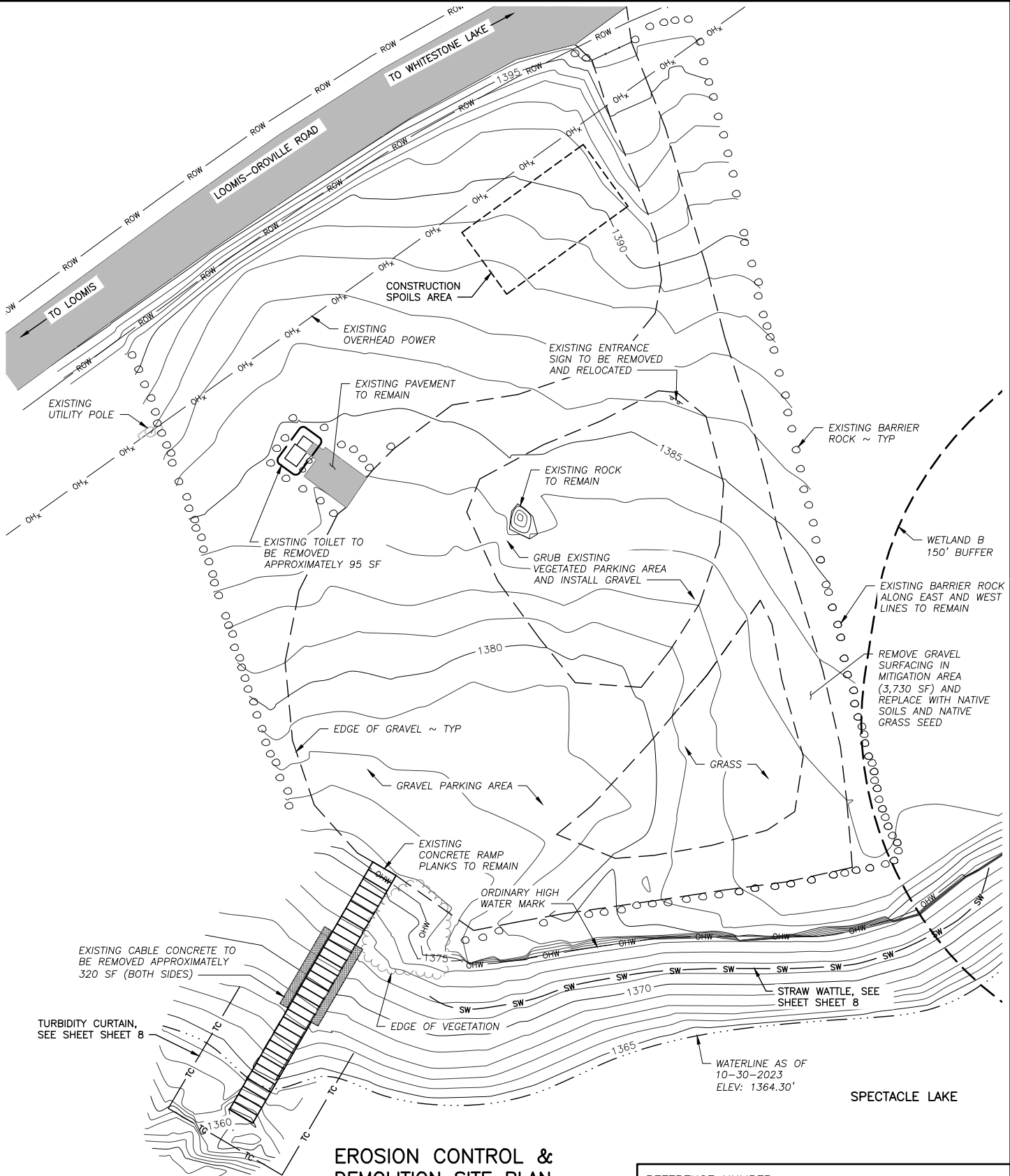


EXISTING SITE PLAN

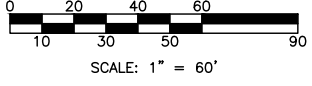


SCALE: 1" = 60'

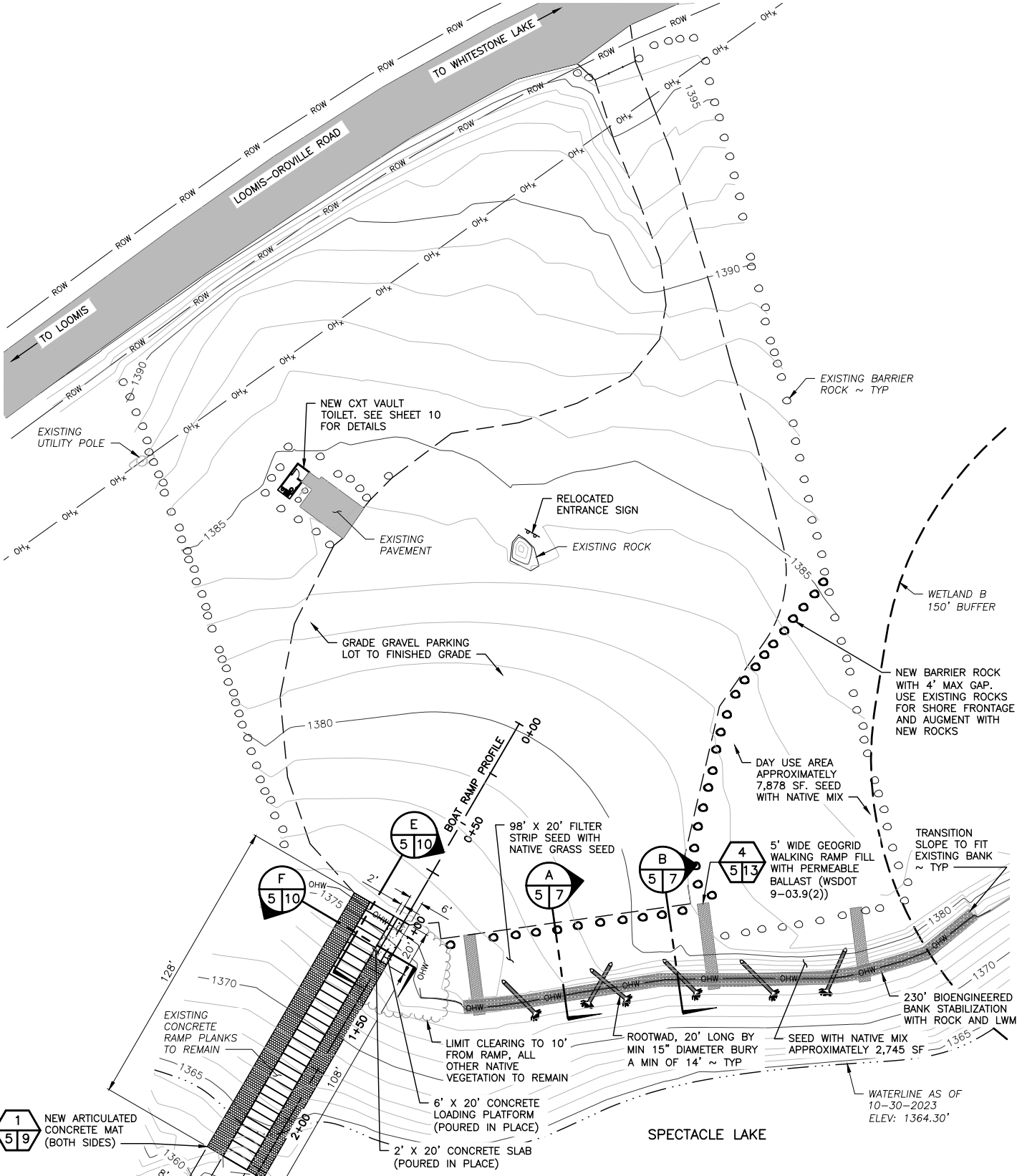
REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 AREA IMPROVEMENTS
 LOCATION: SPECTACLE LAKE ACCESS
 SHEET 3 OF 13 DATE: 10/14/2024



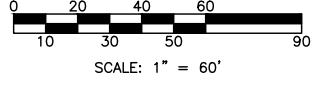
EROSION CONTROL & DEMOLITION SITE PLAN



REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 AREA IMPROVEMENTS
 LOCATION: SPECTACLE LAKE ACCESS
 SHEET 4 OF 13 DATE: 10/14/2024



PROPOSED SITE PLAN



REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 AREA IMPROVEMENTS
 LOCATION: SPECTACLE LAKE ACCESS
 SHEET 5 OF 13 DATE: 10/14/2024

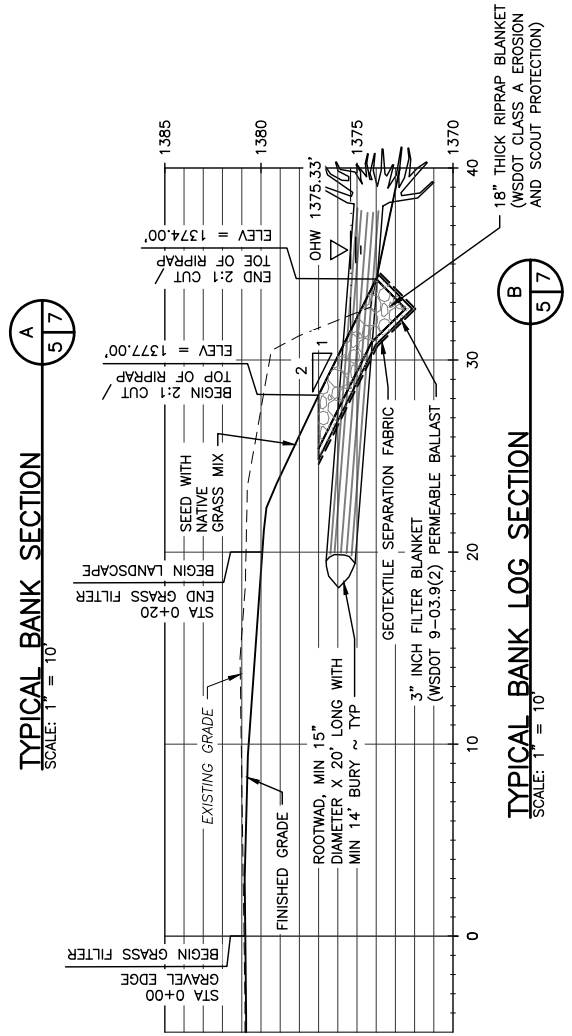
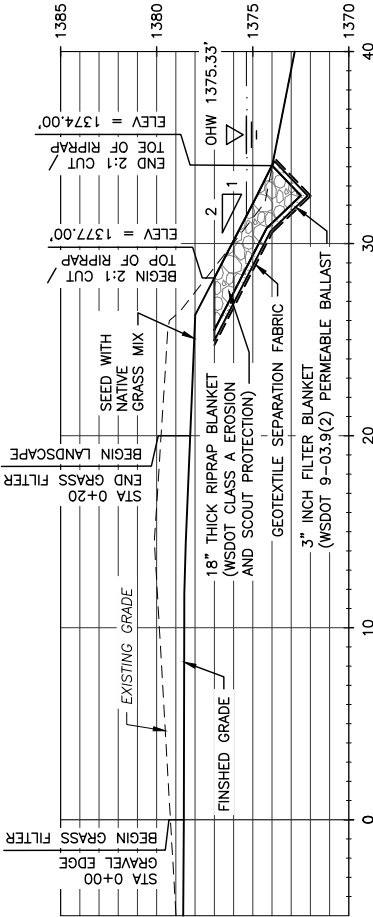
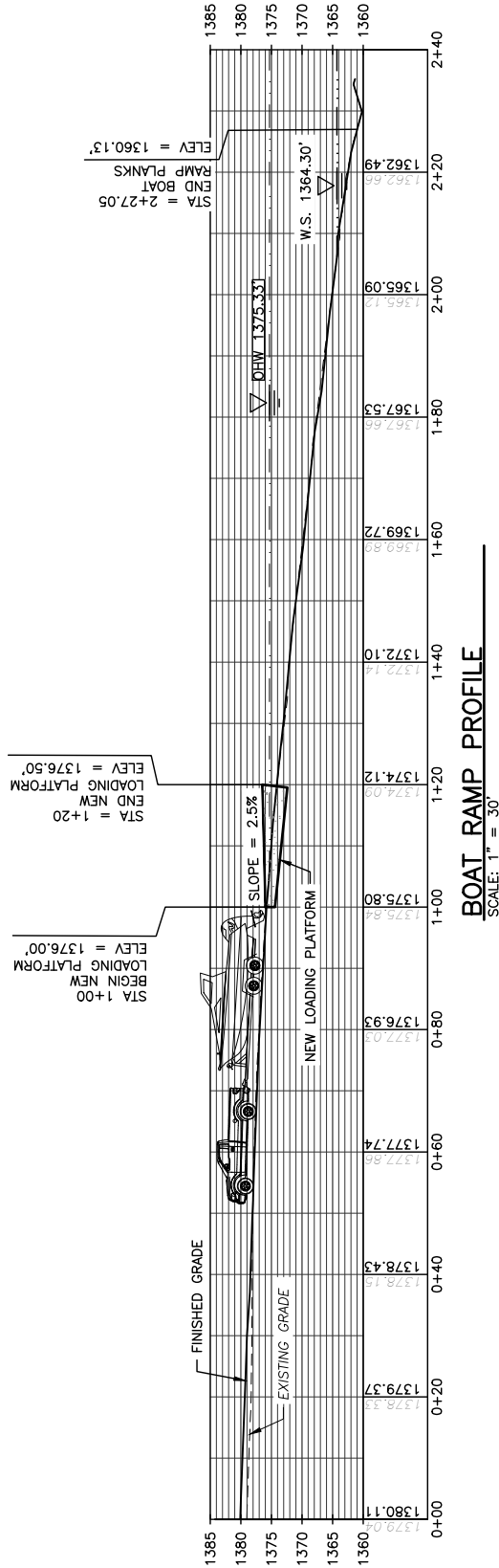
AREA DATA IN SQUARE FEET				
MATERIAL	CUT ABOVE OHW	CUT BELOW OHW	FILL ABOVE OHW	FILL BELOW OHW
NATIVE SOIL	7,507	2,177	-	-
NATIVE FILL	-	-	-	-
LOADING PLATFORM (6'X20', POURED IN PLACE)	-	-	-	120
CONCRETE SLAB (2'X20', 0.5' THICK)	-	-	-	40
CABLE CONCRETE	-	286	-	-
ARTICULATED CONCRETE MAT	-	-	-	1,888
CONCRETE RAMP PLANKS	-	-	-	160
GRAVEL	5,282	-	12,135	-
RIPRAP	-	-	1,150	575
TOTAL	12,789	2,463	13,285	2,783

CUT & FILL DATA IN CUBIC YARDS				
MATERIAL	CUT ABOVE OHW	CUT BELOW OHW	FILL ABOVE OHW	FILL BELOW OHW
NATIVE SOIL	417	70	112	-
NATIVE FILL	-	-	16	8
LOADING PLATFORM (6'X20', POURED IN PLACE)	-	-	-	13
CONCRETE SLAB (2'X20', 0.5' THICK)	-	-	-	1
CABLE CONCRETE	-	5	-	-
ARTICULATED CONCRETE MAT	-	-	-	35
CONCRETE RAMP PLANKS	-	-	-	13
GRAVEL	49	-	225	-
RIPRAP	-	-	58	32
TOTAL	466	75	411	102

NET CUT: 42 CY TO REMAIN ON SITE

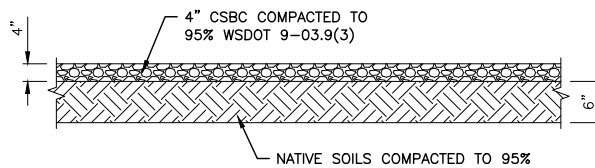
IMPERVIOUS SURFACE		
	AREA (SF)	PERCENT
EXISTING	36,800	15.06
PROPOSED	43,650	17.86
TOTAL NET	6,850	2.80

REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 AREA IMPROVEMENTS
 LOCATION: SPECTACLE LAKE ACCESS
 SHEET 6 OF 13 DATE: 10/14/2024

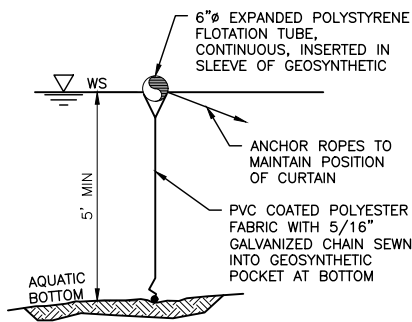


57

TYPICAL BANK LOG SECTION

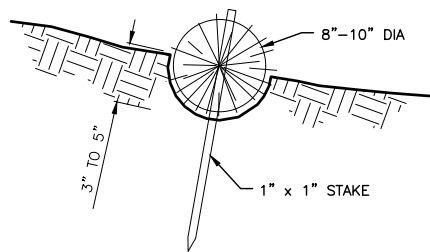


TYPICAL GRAVEL DETAIL
NOT TO SCALE



TURBIDITY CURTAIN DETAIL
NOT TO SCALE

NOTES: FABRIC IS 22 OUNCES PER SQUARE YARD

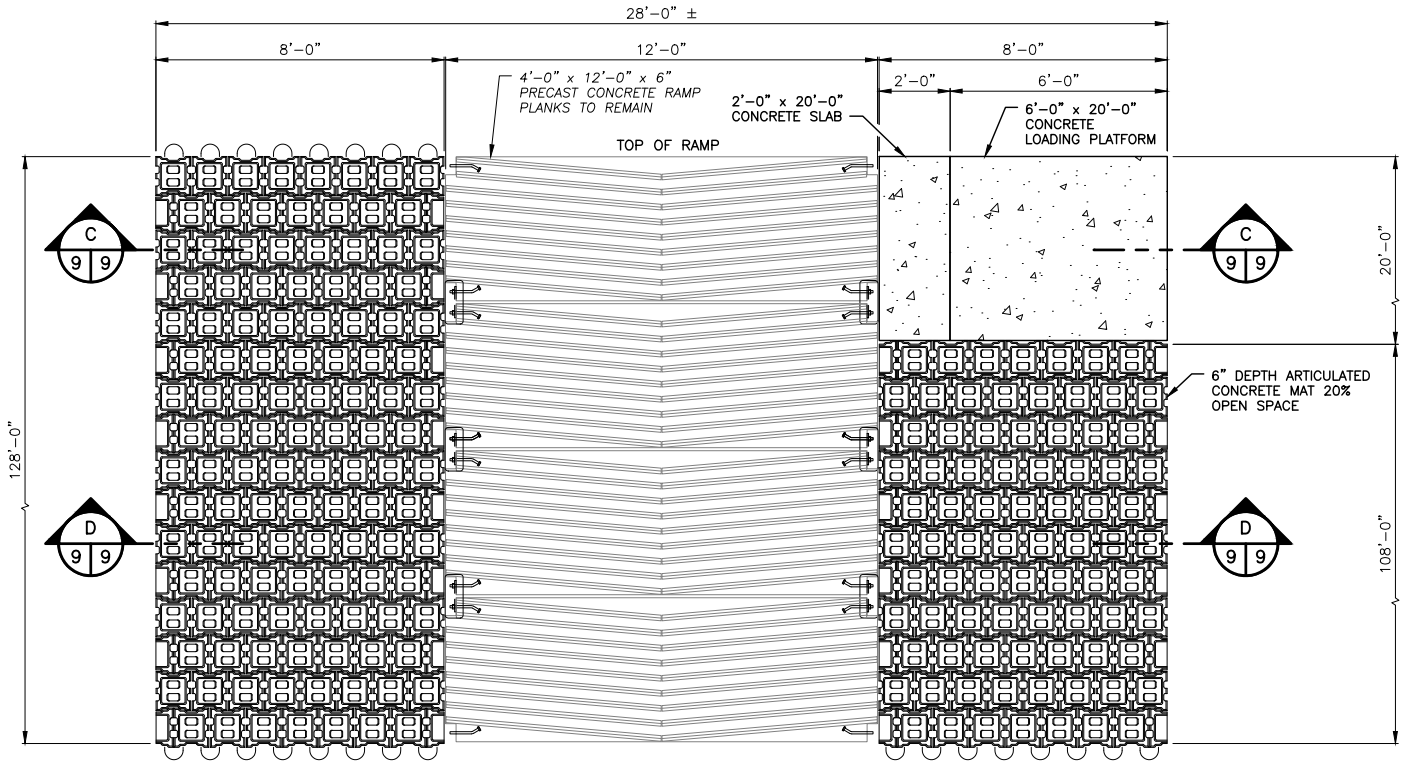


STRAW WATTLE DETAIL
NOT TO SCALE

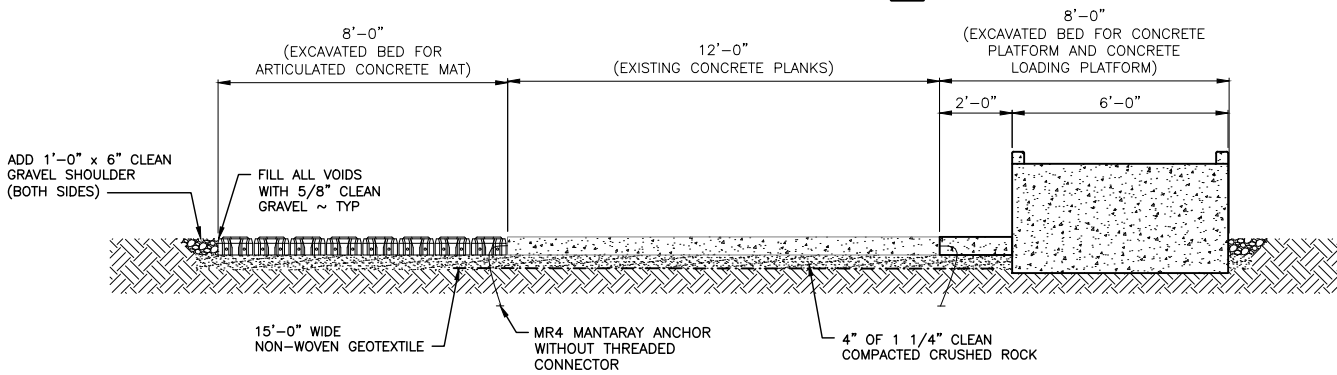
INSTALLATION NOTES:

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.

REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 AREA IMPROVEMENTS
 LOCATION: SPECTACLE LAKE ACCESS
 SHEET 8 OF 13 DATE: 10/14/2024



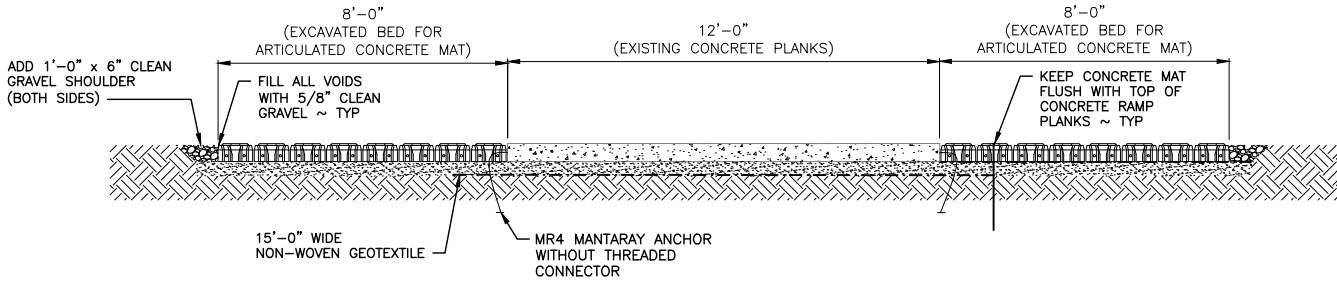
RAMP PLANK DETAIL
SCALE: 3/16" = 1'-0"



RAMP PLANK SECTION
SCALE: 1" = 1'-0"



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

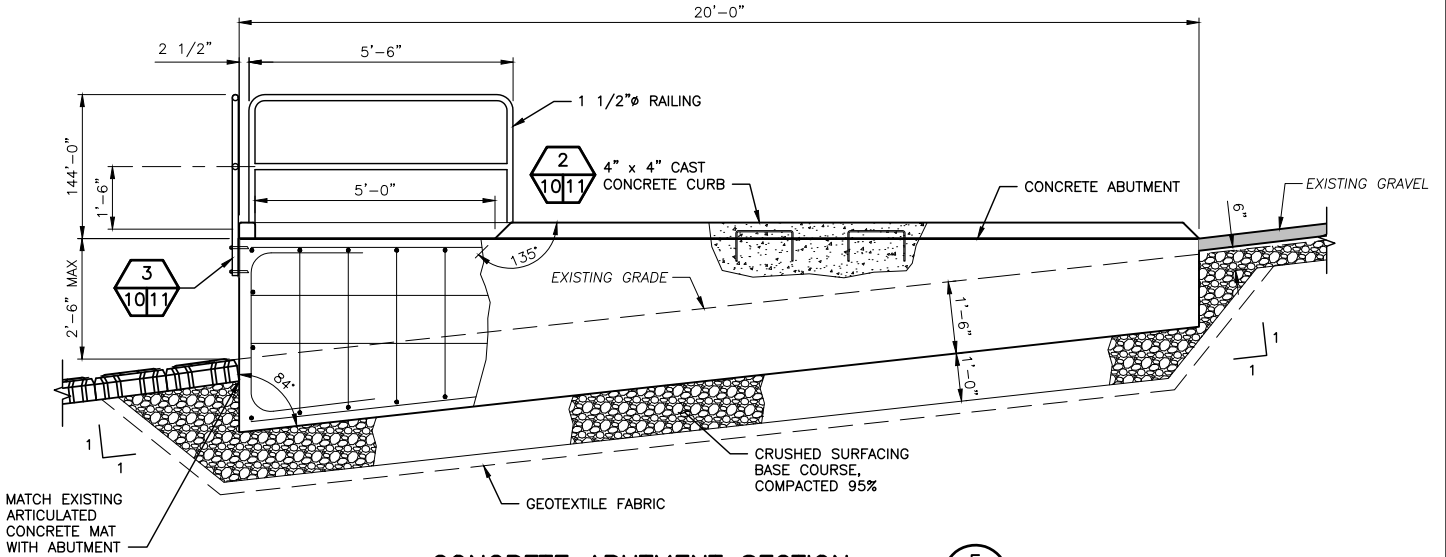


RAMP PLANK SECTION
SCALE: 1" = 1'-0"



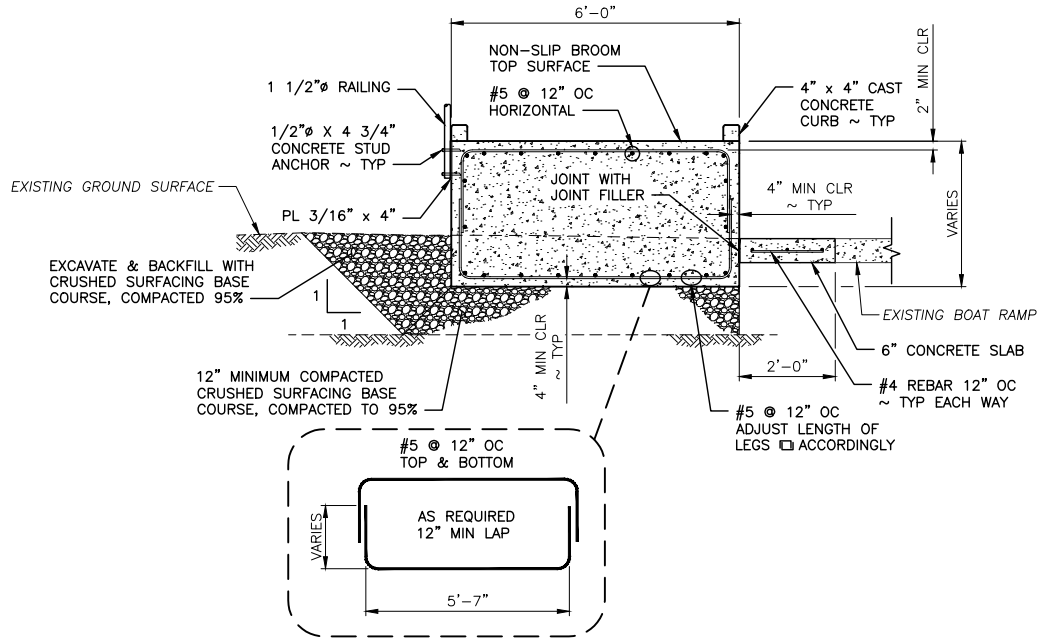
NOTE: SEE SITE PLAN FOR SIZE AND LAYOUT OF ARTICULATED CONCRETE MATS

REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 AREA IMPROVEMENTS
 LOCATION: SPECTACLE LAKE ACCESS
 SHEET 9 OF 13 DATE: 10/14/2024



CONCRETE ABUTMENT SECTION

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

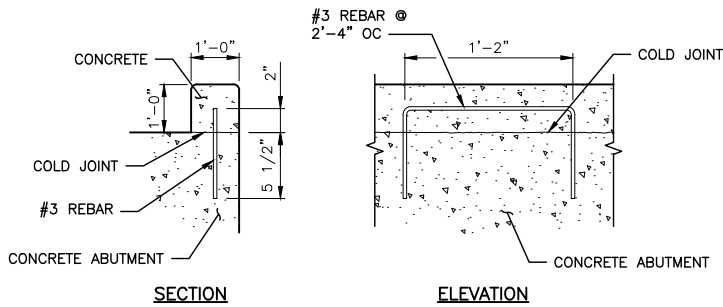


CONCRETE ABUTMENT SECTION

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



REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 AREA IMPROVEMENTS
 LOCATION: SPECTACLE LAKE ACCESS
 SHEET 10 OF 13 DATE: 10/14/2024



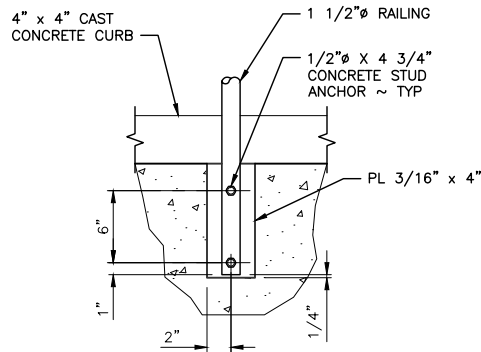
CAST CONCRETE CURB DETAIL

SCALE: 3/4" = 1'-0"

2
1011

NOTE:

TEMPORARY ECOLOGY BLOCK, SAND BAG OR SUPER SACK DAMS SHALL BE INSTALLED AROUND 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.

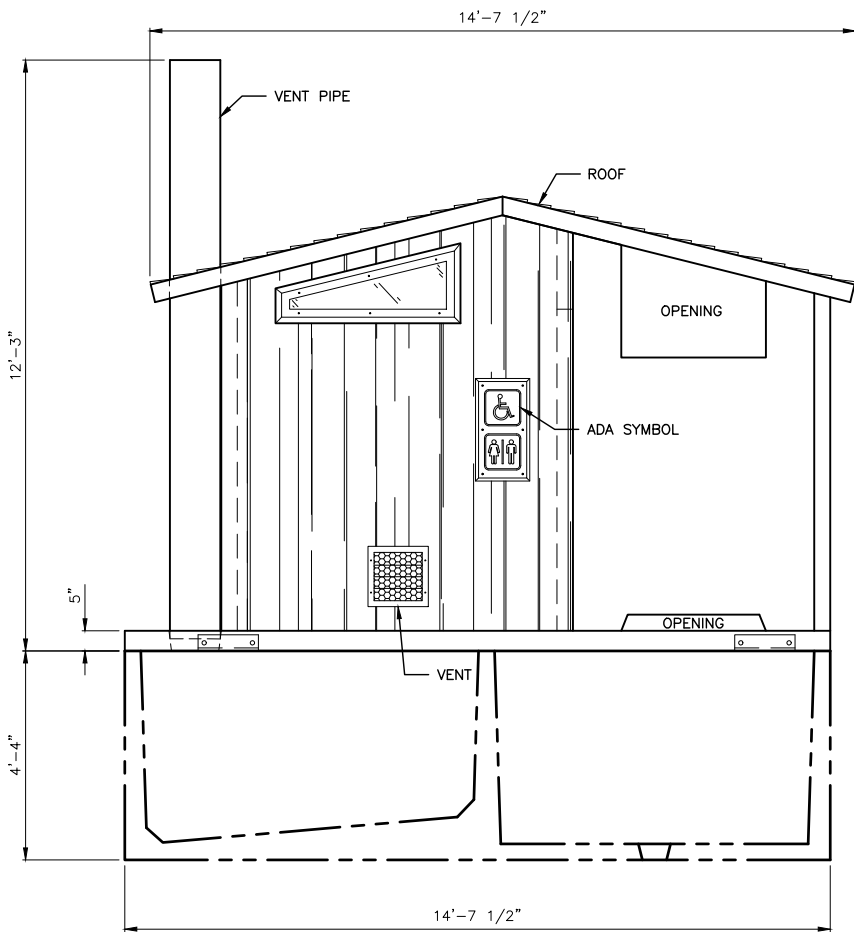


RAILING CONNECTION

SCALE: 3/4" = 1'-0"

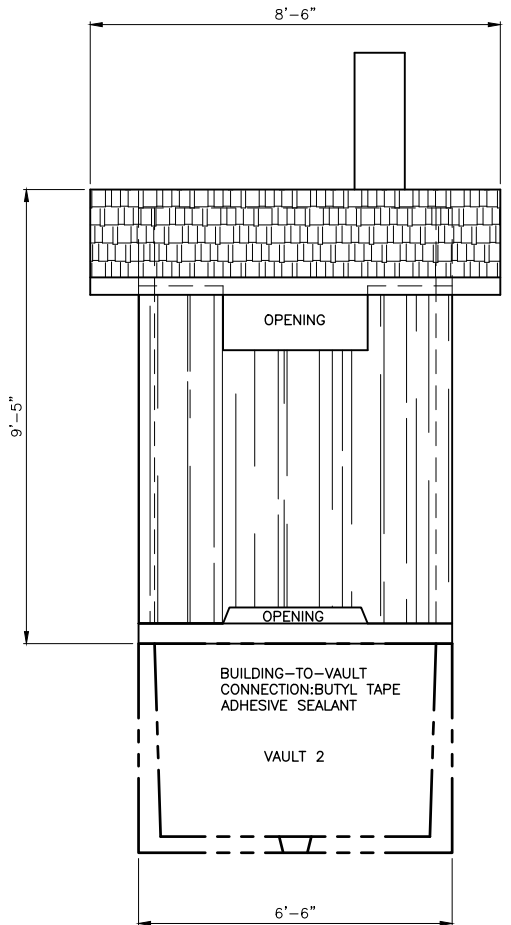
3
1011

REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 AREA IMPROVEMENTS
 LOCATION: SPECTACLE LAKE ACCESS
 SHEET 11 OF 13 DATE: 10/14/2024



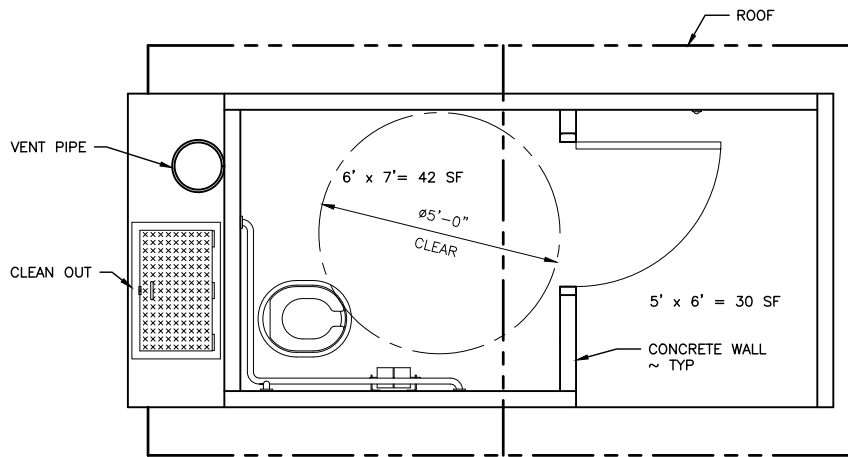
FRONT ELEVATION

NOT TO SCALE



SIDE ELEVATION

NOT TO SCALE

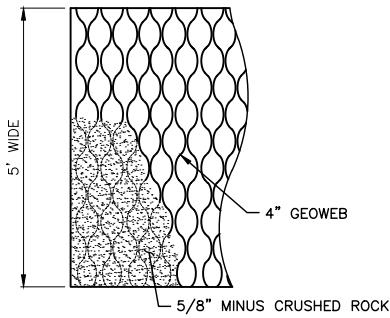


BUILDING TOTAL = 72sf

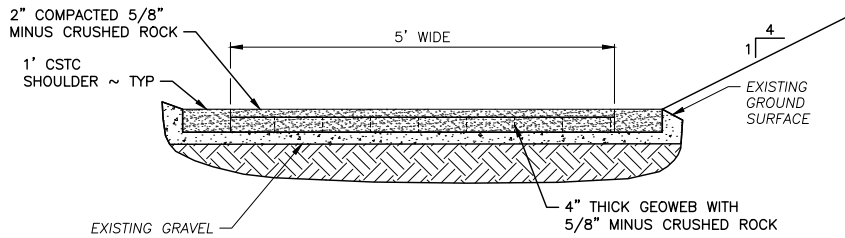
CXT VAULT TOILET PLAN

NOT TO SCALE

REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 AREA IMPROVEMENTS
 LOCATION: SPECTACLE LAKE ACCESS
 SHEET 12 OF 13 DATE: 10/14/2024



PLAN



SECTION

GEOGRID WALKING RAMP
NOT TO SCALE



REFERENCE NUMBER: -----
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 AREA IMPROVEMENTS
 LOCATION: SPECTACLE LAKE ACCESS
 SHEET 13 OF 13 DATE: 10/14/2024