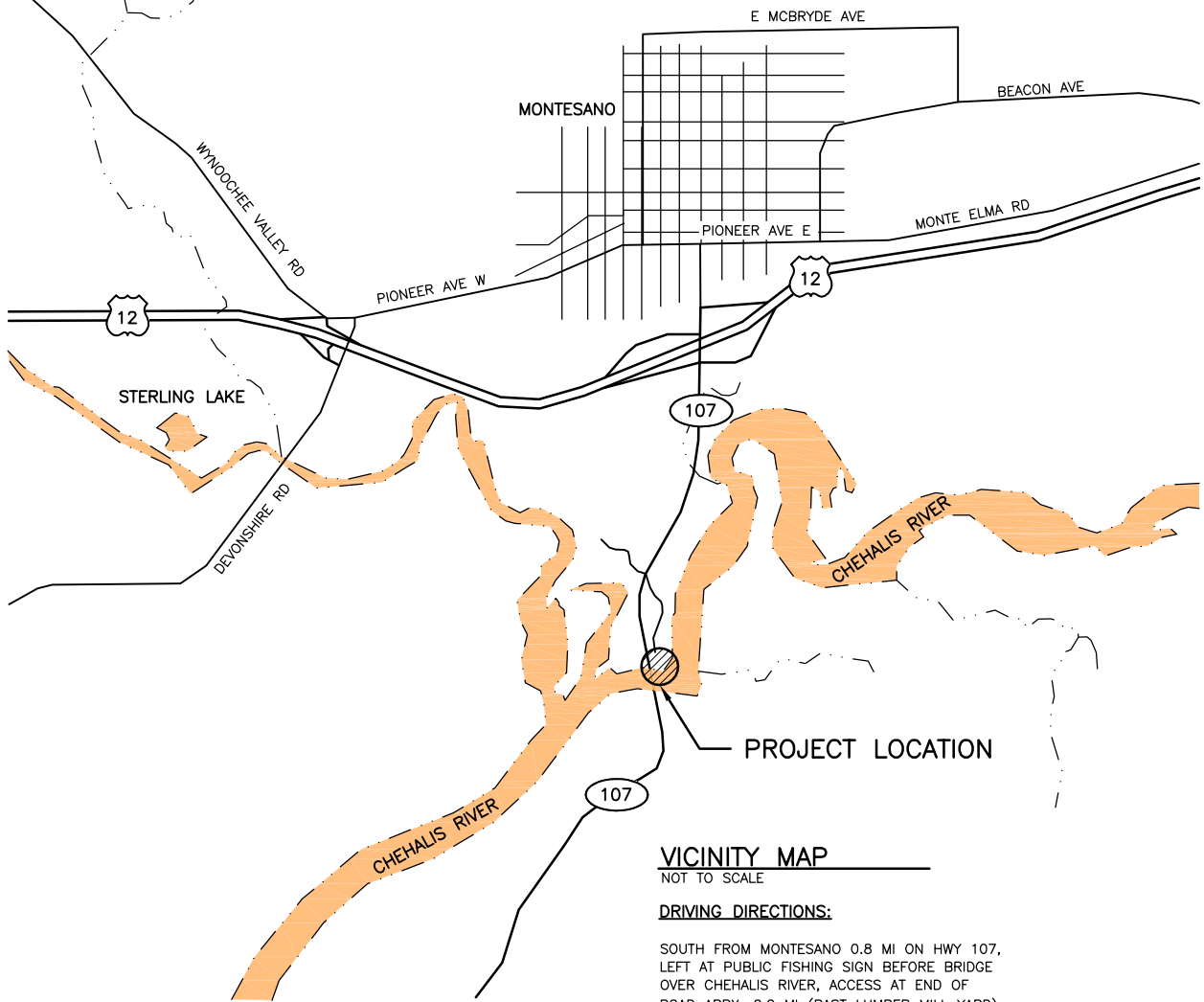




PROJECT LOCATION



STATE MAP
NOT TO SCALE



PROJECT LOCATION

VICINITY MAP
NOT TO SCALE

DRIVING DIRECTIONS:

SOUTH FROM MONTESANO 0.8 MI ON HWY 107,
LEFT AT PUBLIC FISHING SIGN BEFORE BRIDGE
OVER CHEHALIS RIVER, ACCESS AT END OF
ROAD APPX. 0.2 MI (PAST LUMBER MILL YARD).

ENG. PROJECT NO. GH:A93:16-1

PORTION OF: SECT. 18, T 17 N, R 7 W

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

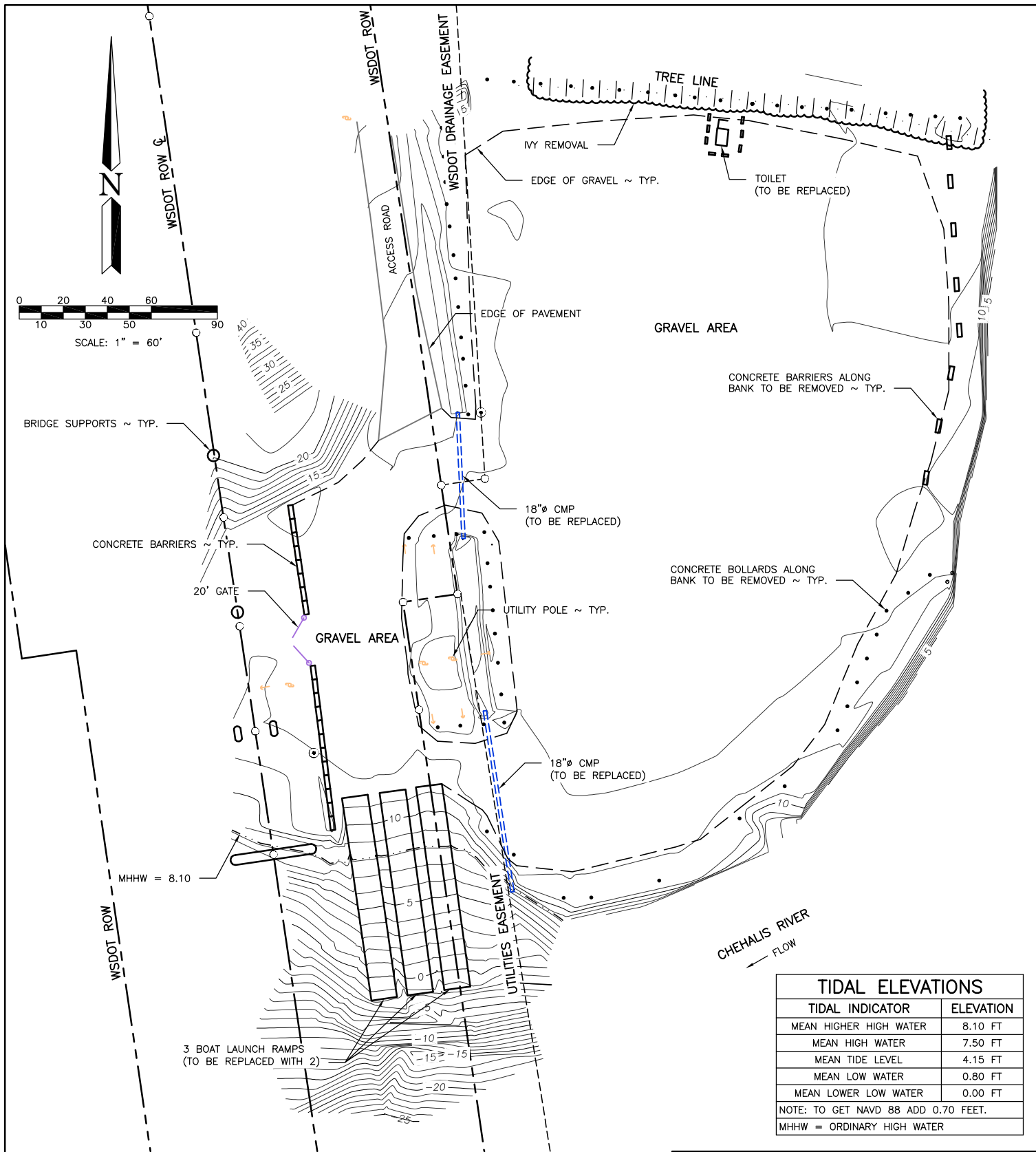
PROJECT LOCATION (ADDRESS):
SOUTH MONTESANO ACCESS
MONTESANO, WA

PROPOSED PROJECT:
ACCESS RENOVATION

ADJACENT PROPERTY OWNER:

LAT/LONG: 46.9631/-123.6032
DATUM: MLLW
SHEET 1 OF 11 DATE: 3/17/2016

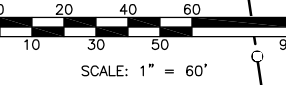
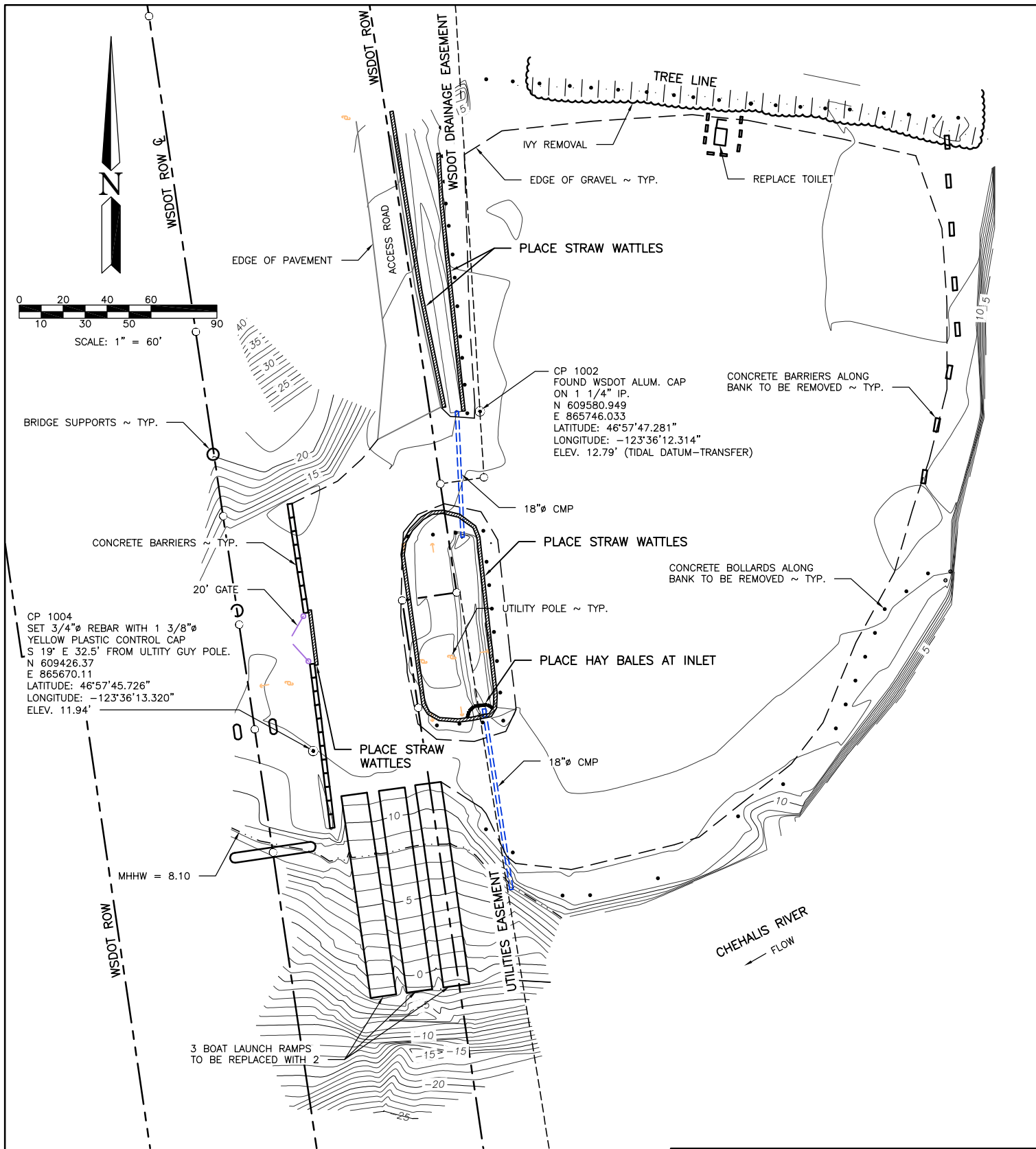
IN: CHEHALIS RIVER
NEAR/AT: MONTESANO
COUNTY: GRAYS HARBOR
STATE: WA



EXISTING SITE PLAN
SCALE: 1" = 60'

TIDAL ELEVATIONS	
TIDAL INDICATOR	ELEVATION
MEAN HIGHER HIGH WATER	8.10 FT
MEAN HIGH WATER	7.50 FT
MEAN TIDE LEVEL	4.15 FT
MEAN LOW WATER	0.80 FT
MEAN LOWER LOW WATER	0.00 FT
NOTE: TO GET NAVD 88 ADD 0.70 FEET.	
MHHW = ORDINARY HIGH WATER	

REFERENCE NUMBER:
 APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
ACCESS RENOVATION
 LOCATION: SOUTH MONTESANO ACCESS
 SHEET 2 OF 11 DATE: 3/17/2016



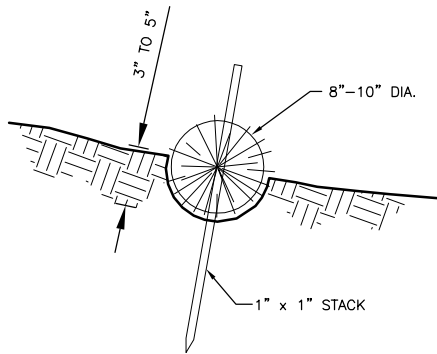
BRIDGE SUPPORTS ~ TYP.

CP 1004
 SET 3/4"Ø REBAR WITH 1 3/8"Ø
 YELLOW PLASTIC CONTROL CAP
 S 19° E 32.5' FROM ULITY GUY POLE.
 N 609426.37
 E 865670.11
 LATITUDE: 46°57'45.726"
 LONGITUDE: -123°36'13.320"
 ELEV. 11.94'

CP 1002
 FOUND WSDOT ALUM. CAP
 ON 1 1/4" IP.
 N 609580.949
 E 865746.033
 LATITUDE: 46°57'47.281"
 LONGITUDE: -123°36'12.314"
 ELEV. 12.79' (TIDAL DATUM-TRANSFER)

EROSION CONTROL PLAN
 SCALE: 1" = 60'

REFERENCE NUMBER:
 APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
ACCESS RENOVATION
 LOCATION: SOUTH MONTESANO ACCESS
 SHEET 3 OF 11 DATE: 3/17/2016

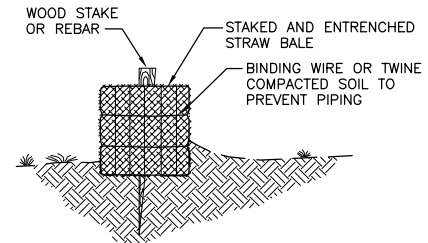


STRAW WATTLE DETAIL

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 GULLIES PROMPTLY.
14. RESEED OR REPLANT VEGETATION IF NECESSARY UNTIL THE SLOPE IS STABILIZED.



STRAW BALES DETAIL

NOT TO SCALE

STRAW BALES

1. BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE ON THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.
2. THE BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE A MINIMUM OF 4 INCHES. BACKFILL SOIL SHALL CONFORM TO THE GROUND LEVEL ON THE DOWNHILL SIDE AND SHALL BE BUILT UP 4 INCHES AGAINST THE UPHILL SIDE OF THE BARRIER. EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST 2 STAKES OR REBAR DRIVEN THROUGH THE BALE.
3. THE GAP BETWEEN THE BALES SHALL BE CHINKED (FILLED BY WEDGING) WITH STRAW TO PREVENT WATER FROM ESCAPING BETWEEN THE BALES.

REFERENCE NUMBER:

APPLICANT NAME:

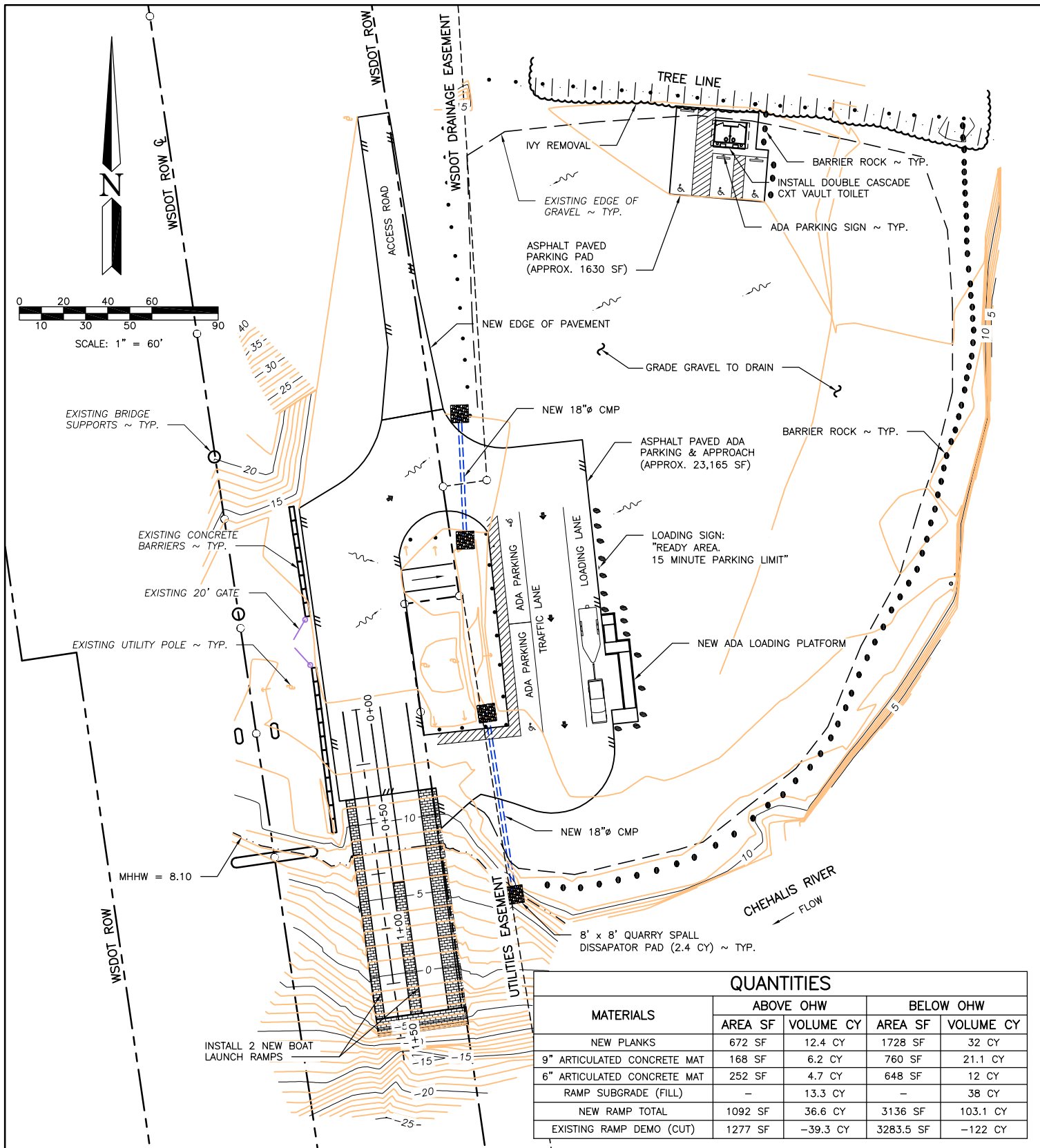
WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

ACCESS RENOVATION

LOCATION: SOUTH MONTESANO ACCESS

SHEET 4 OF 11 DATE: 3/17/2016



QUANTITIES

MATERIALS	ABOVE OHW		BELOW OHW	
	AREA SF	VOLUME CY	AREA SF	VOLUME CY
NEW PLANKS	672 SF	12.4 CY	1728 SF	32 CY
9" ARTICULATED CONCRETE MAT	168 SF	6.2 CY	760 SF	21.1 CY
6" ARTICULATED CONCRETE MAT	252 SF	4.7 CY	648 SF	12 CY
RAMP SUBGRADE (FILL)	-	13.3 CY	-	38 CY
NEW RAMP TOTAL	1092 SF	36.6 CY	3136 SF	103.1 CY
EXISTING RAMP DEMO (CUT)	1277 SF	-39.3 CY	3283.5 SF	-122 CY

PROPOSED SITE PLAN

SCALE: 1" = 60'

NOTE:

TOTAL AREA OF RAMP REMOVED = 4560.50 SQUARE FEET

TOTAL AREA OF NEW RAMP = 4228 SQUARE FEET

AREA REDUCTION - 332.50 SQUARE FEET

REFERENCE NUMBER:

APPLICANT NAME:

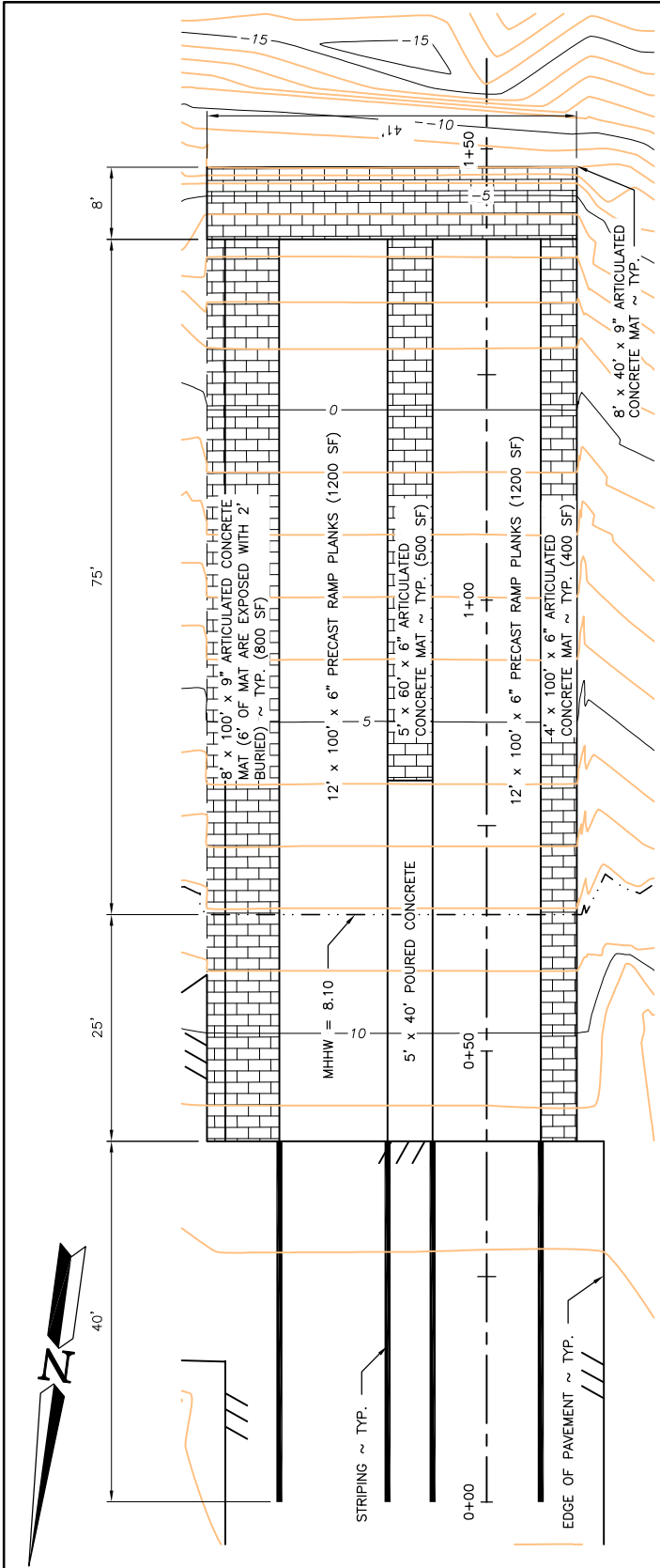
WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

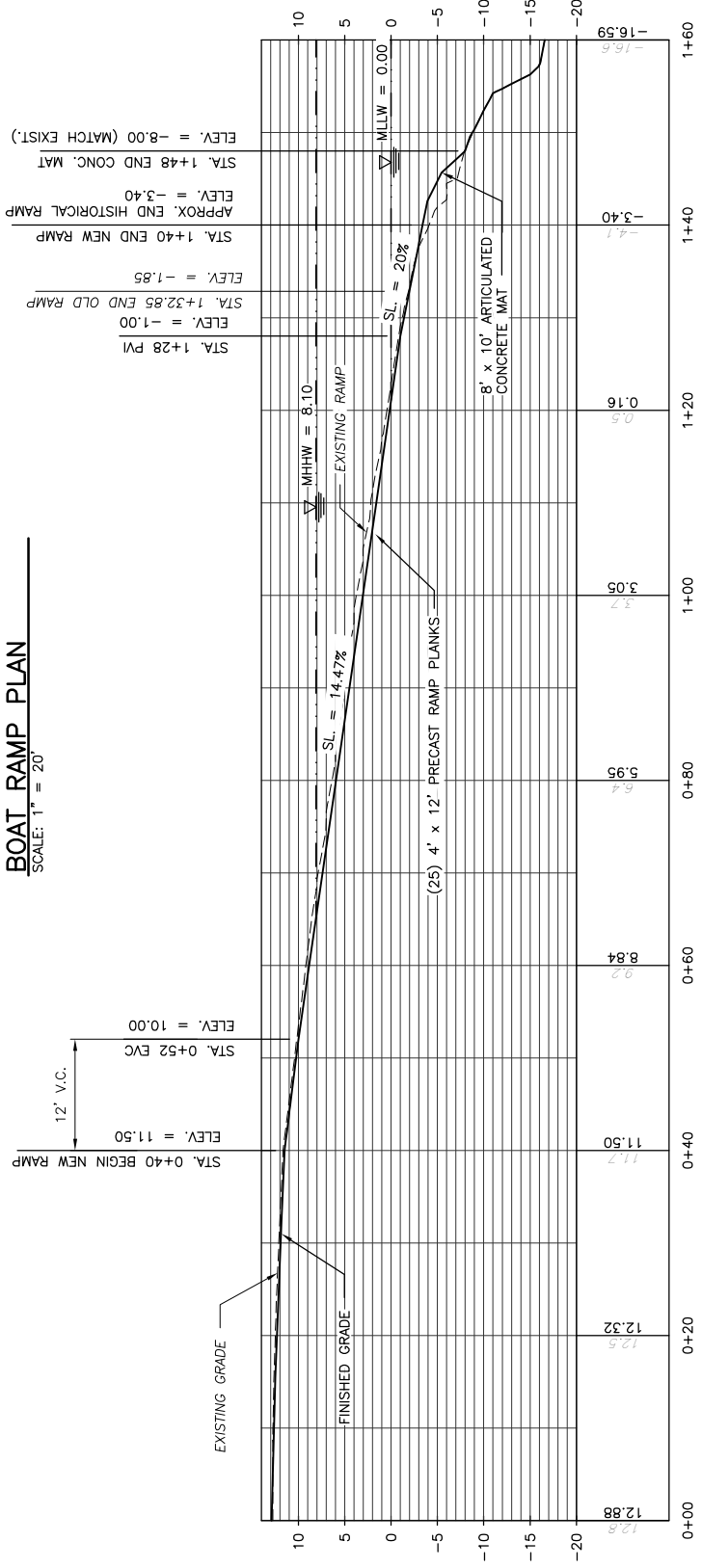
ACCESS RENOVATION

LOCATION: SOUTH MONTESANO ACCESS

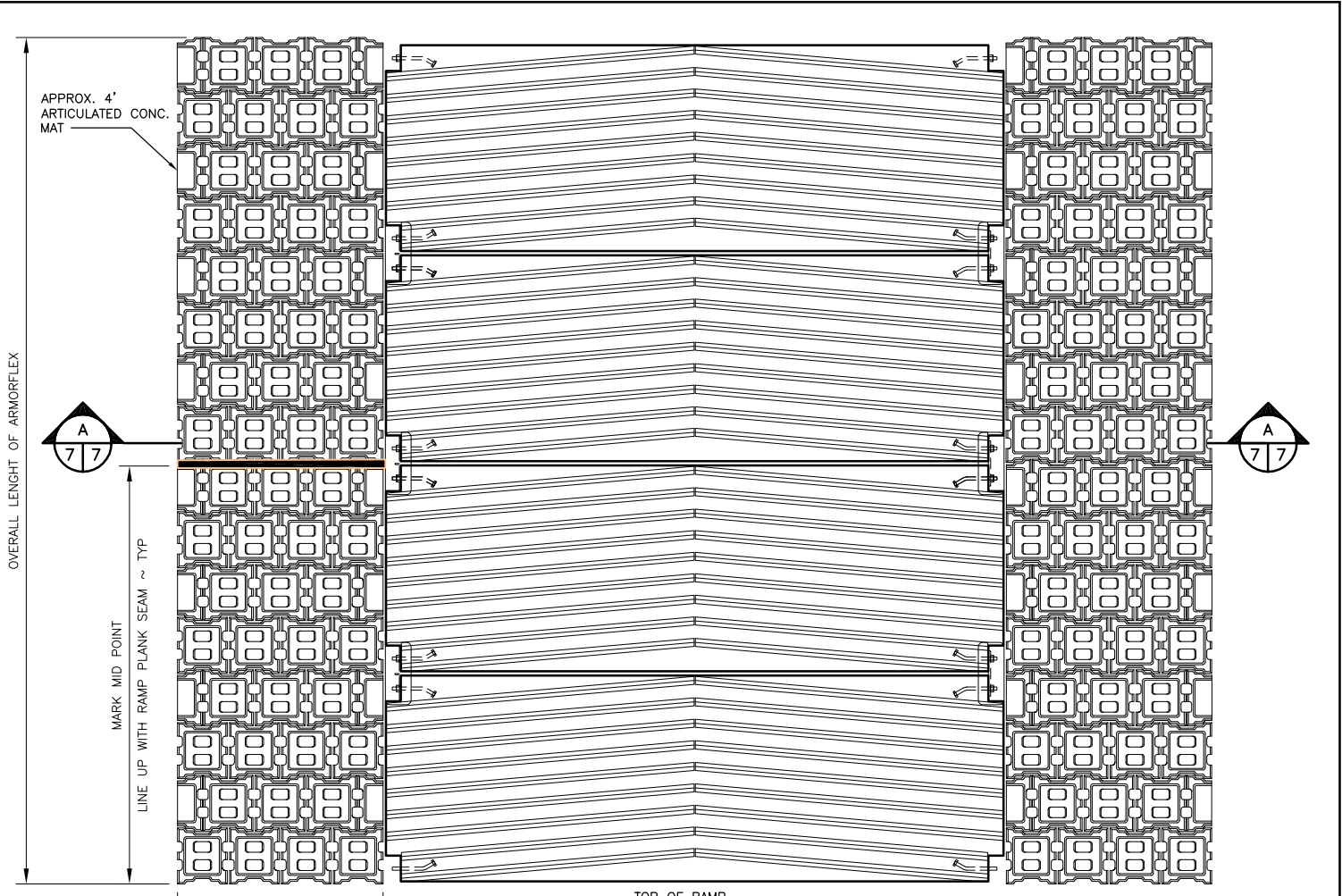
SHEET 5 OF 11 DATE: 3/17/2016



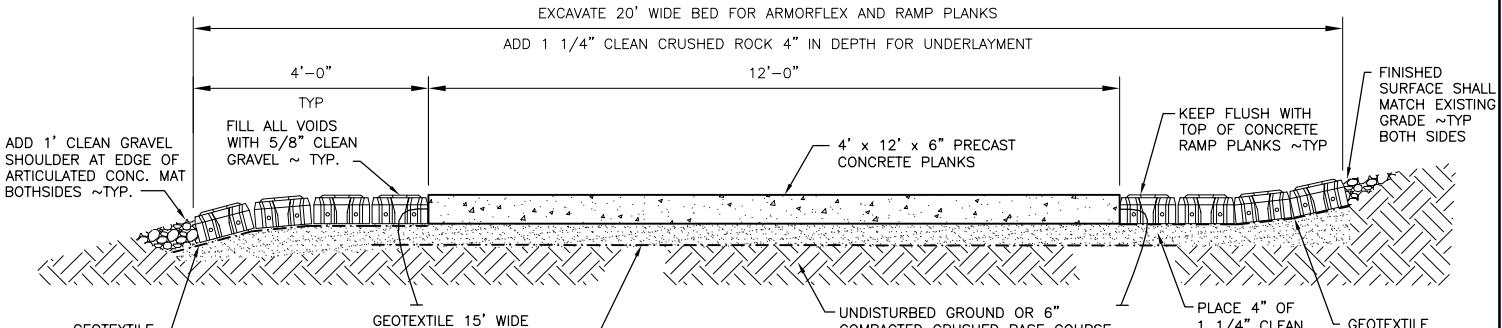
BOAT RAMP PLAN
SCALE: 1" = 20'



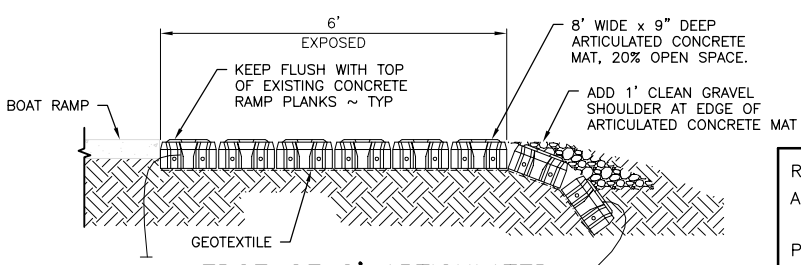
BOAT RAMP PROFILE
SCALE: 1" = 20'



TYPICAL RAMP PLANK PLAN
NOT TO SCALE

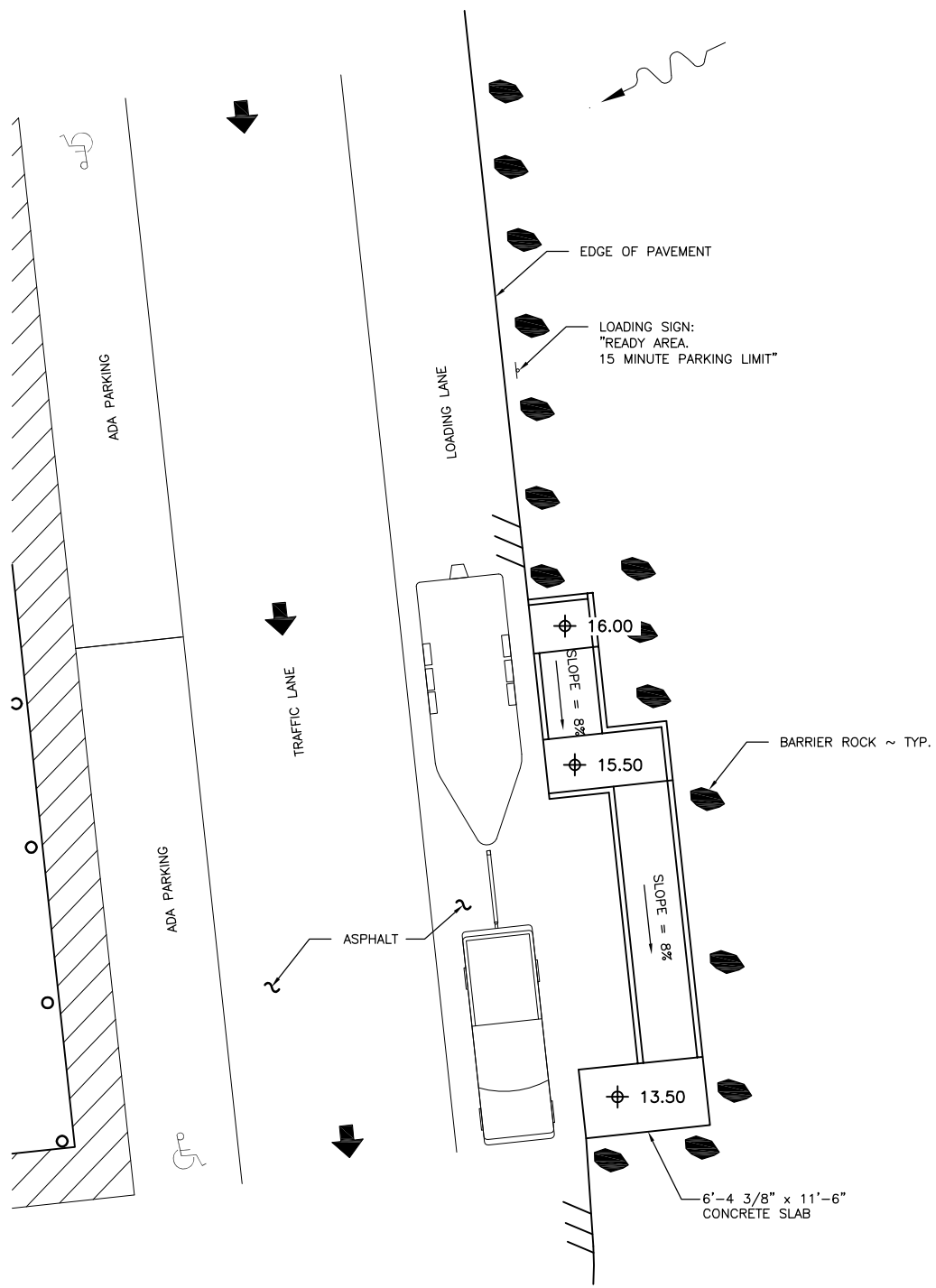


RAMP PLANK
NOT TO SCALE



EDGE OF 8' ARTICULATED CONCRETE MAT
NOT TO SCALE

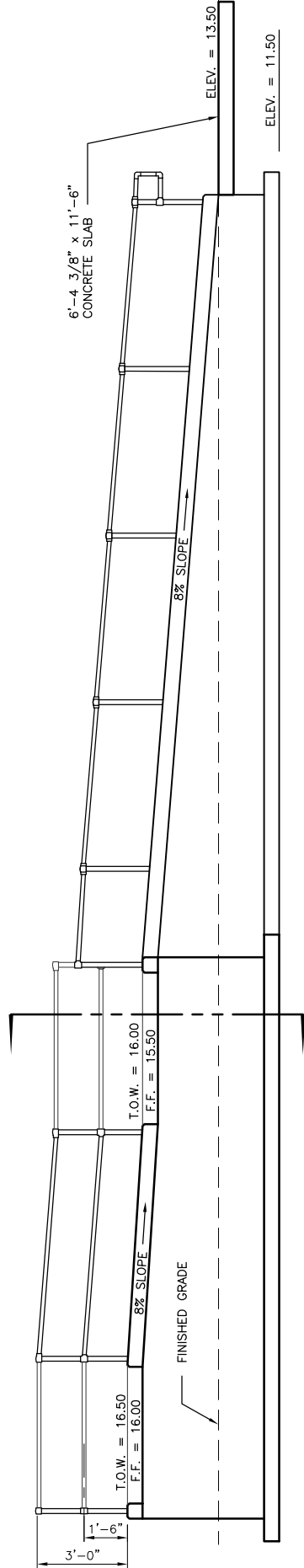
REFERENCE NUMBER:
 APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
ACCESS RENOVATION
 LOCATION: SOUTH MONTESANO ACCESS
 SHEET 7 OF 11 DATE: 3/17/2016



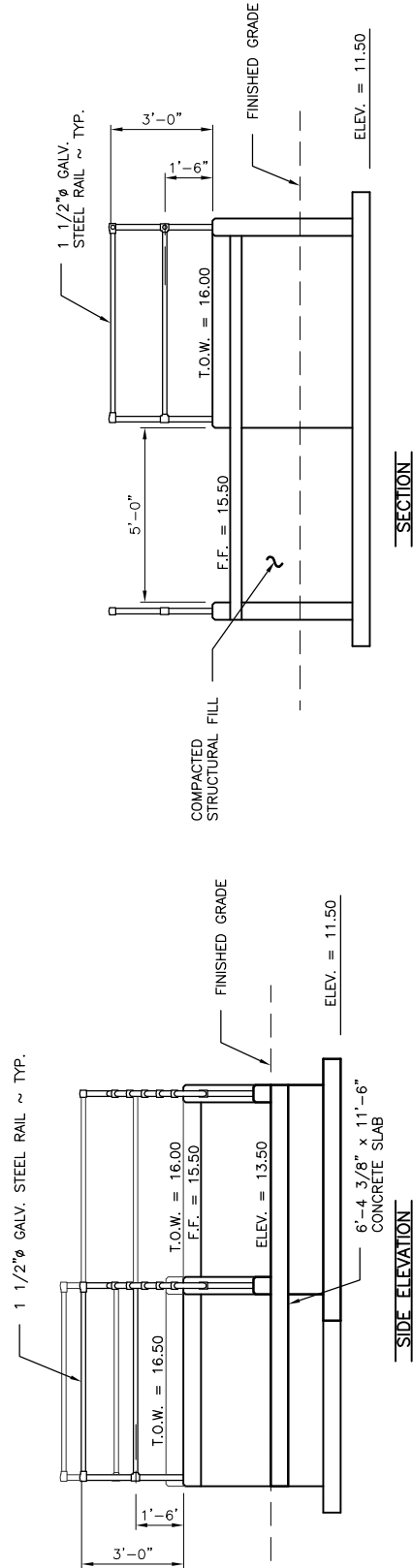
ADA LOADING PLATFORM PLAN

SCALE: 1" = 16'

REFERENCE NUMBER:
APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
PROPOSED PROJECT:
ACCESS RENOVATION
LOCATION: SOUTH MONTESANO ACCESS
SHEET 8 OF 11 DATE: 3/17/2016



ELEVATION

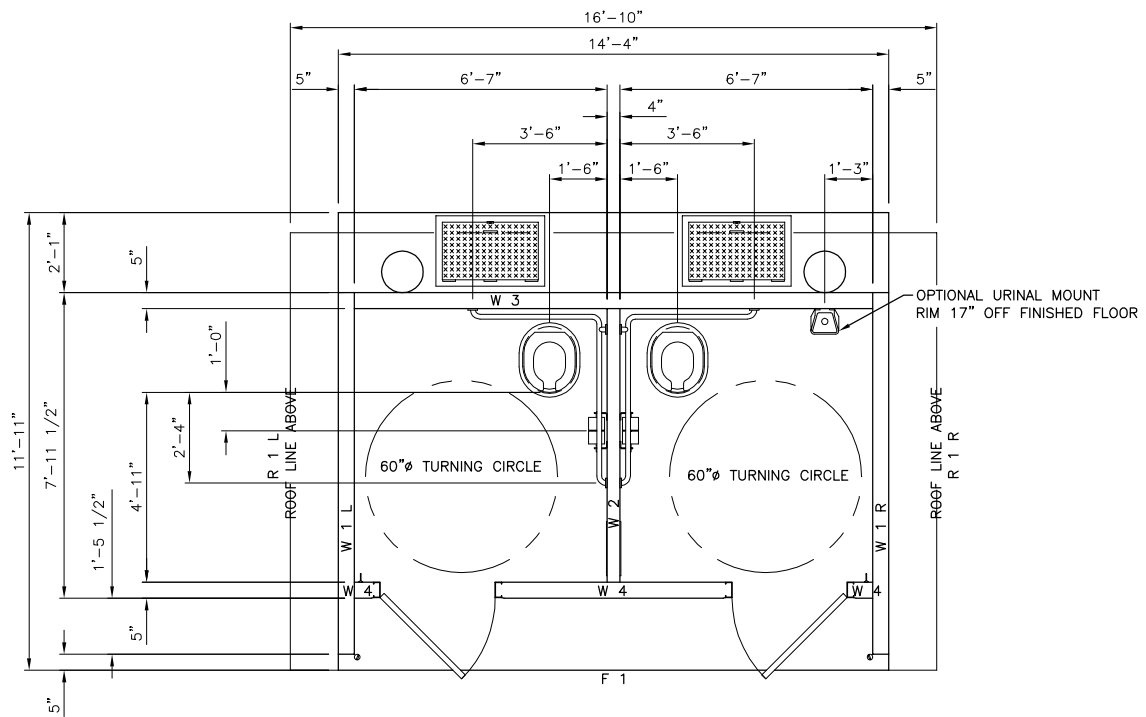


SECTION

ADA LOADING PLATFORM

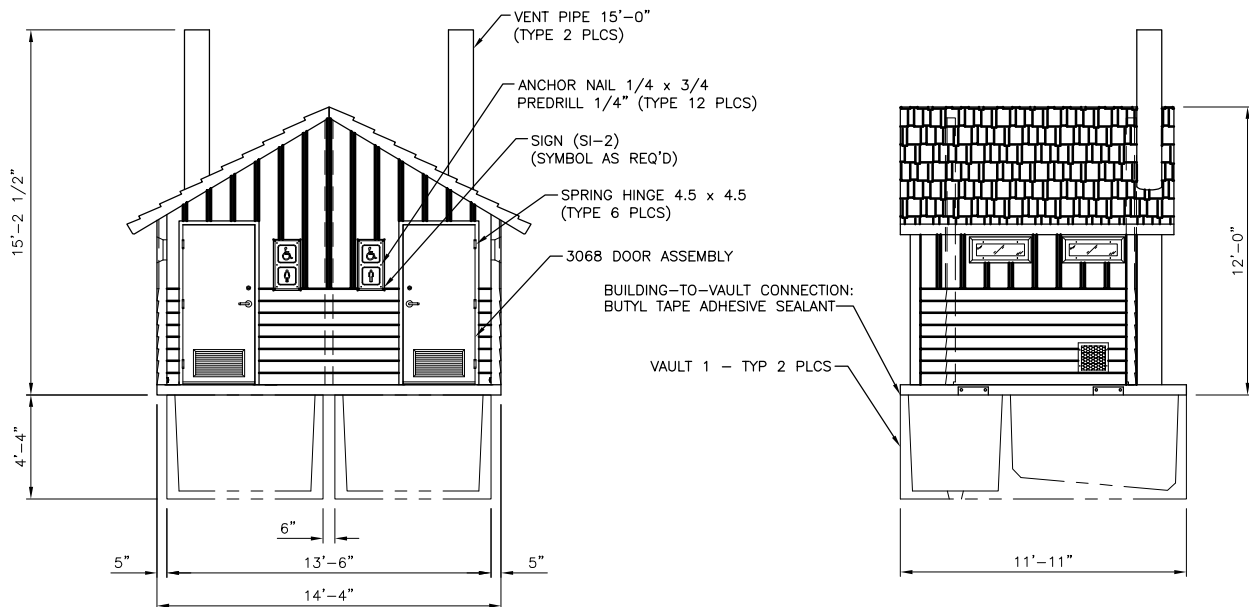
SCALE: 3/16" = 1'-0"

REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS RENOVATION
 LOCATION: SOUTH MONTESANO ACCESS
 SHEET 9 OF 11 DATE: 3/17/2016



CXT CASCADE VAULT TOILET DETAIL

SCALE: 1" = 5'



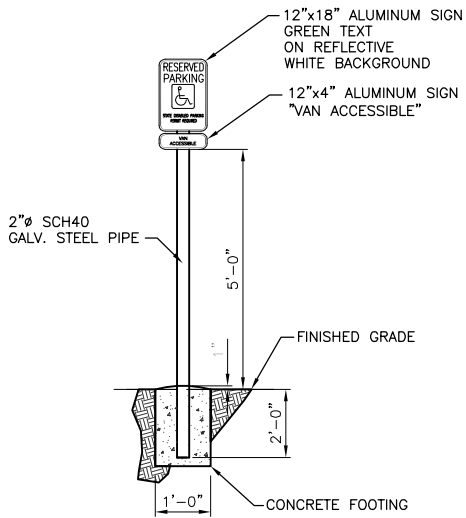
FRONT ELEVATION

SCALE: 1" = 8'

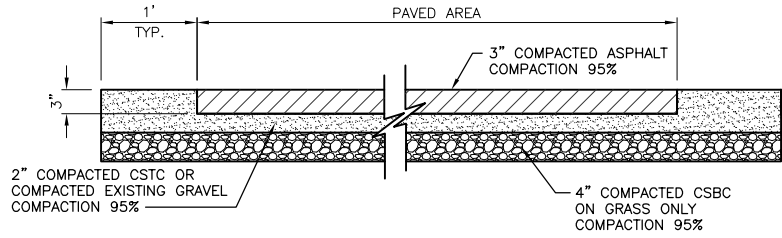
SIDE ELEVATION

SCALE: 1" = 8'

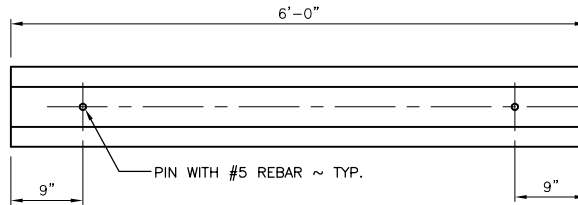
REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS RENOVATION
 LOCATION: SOUTH MONTESANO ACCESS
 SHEET 10 OF 11 DATE: 3/17/2016



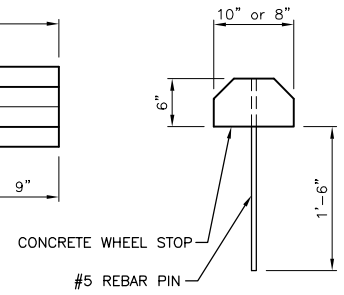
ACCESSIBLE PARKING SIGN
 NOT TO SCALE



PAVEMENT SECTION
 NOT TO SCALE



WHEEL STOP
 NOT TO SCALE



REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS RENOVATION
 LOCATION: SOUTH MONTESANO ACCESS
 SHEET 11 OF 11 DATE: 3/17/2016