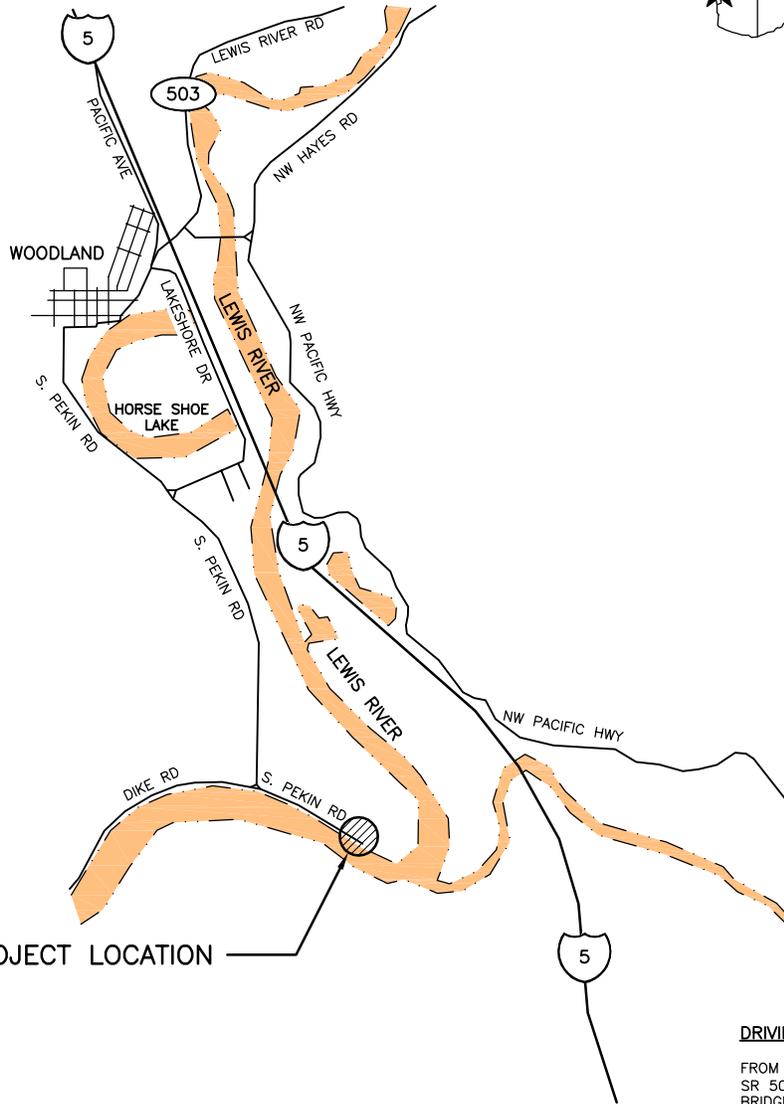


PROJECT LOCATION

STATE MAP
NOT TO SCALE



PROJECT LOCATION

VICINITY MAP
NOT TO SCALE

DRIVING DIRECTIONS:

FROM I-5 TAKE EXIT 21 (WOODLAND). GO WEST ON SR 503 (GOERIG ROAD) 2 BLOCKS WEST OF I-5 BRIDGE, TURN LEFT ON LAKESHORE DRIVE, GO 1.3 MILES, TURN LEFT ON SOUTH PEKIN ROAD. FOLLOW 2 MILES TO ACCESS. BANK FISHING AND BOAT ACCESS.

ENG. PROJECT NO. CZ:A67:16-1

PORTION OF: SEC. 31, T 5 N, R 1 E

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

PROJECT LOCATION (ADDRESS):
MARTIN ACCESS
1240 SOUTH PEKIN ROAD
WOODLAND, WA

PROPOSED PROJECT:
ACCESS RENOVATION

ADJACENT PROPERTY OWNER:

LAT/LONG: 45.8679/-122.7247

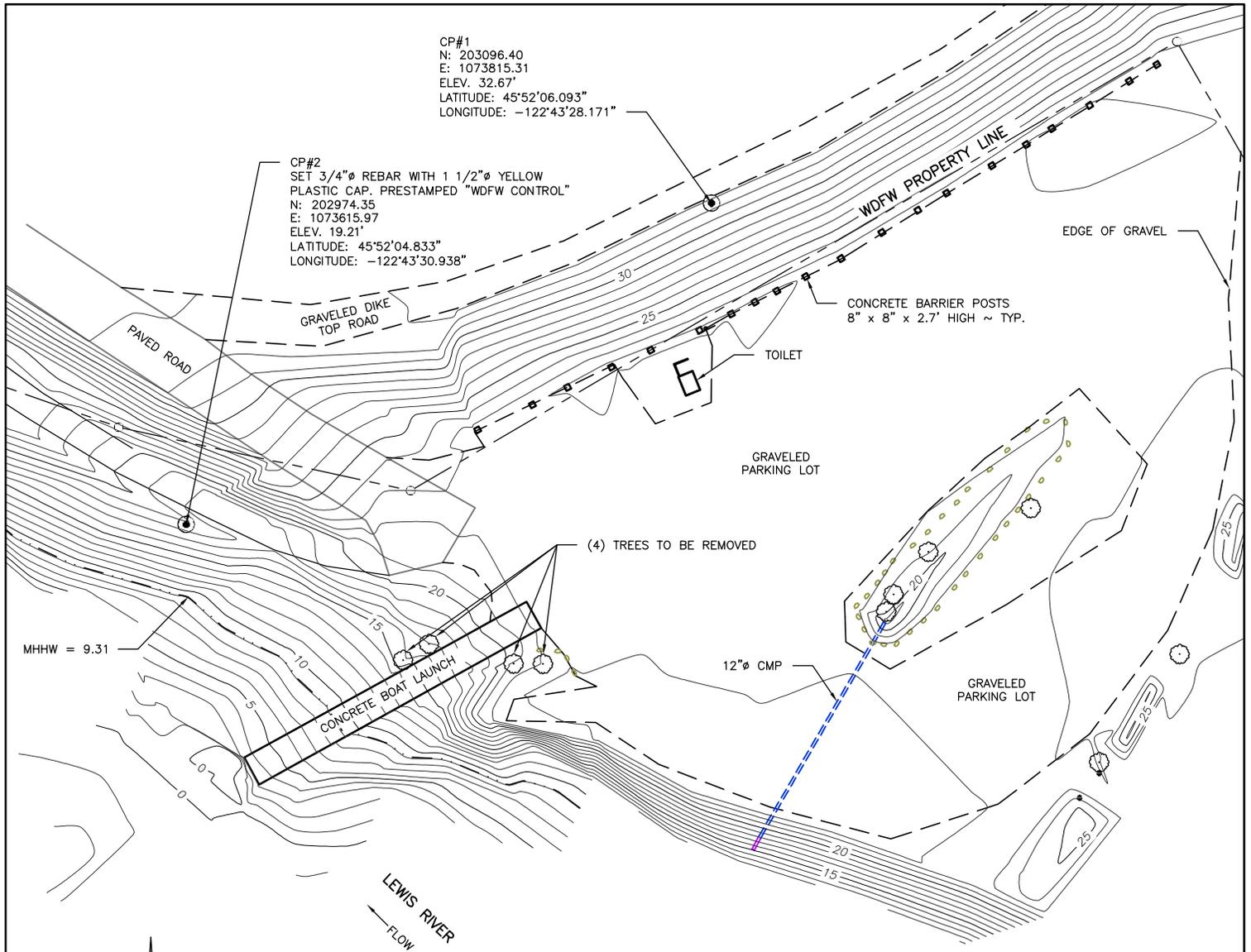
IN: LEWIS RIVER
NEAR/AT: WOODLAND

1. DATUM: NAVD 88
2. SHEET 1 OF 10 DATE: 2/29/2016

COUNTY: COWLITZ
STATE: WA

CP#1
 N: 203096.40
 E: 1073815.31
 ELEV. 32.67'
 LATITUDE: 45°52'06.093"
 LONGITUDE: -122°43'28.171"

CP#2
 SET 3/4"Ø REBAR WITH 1 1/2"Ø YELLOW
 PLASTIC CAP. PRESTAMPED "WDFW CONTROL"
 N: 202974.35
 E: 1073615.97
 ELEV. 19.21'
 LATITUDE: 45°52'04.833"
 LONGITUDE: -122°43'30.938"



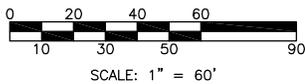
MHHW = 9.31

LEWIS RIVER
 ← FLOW

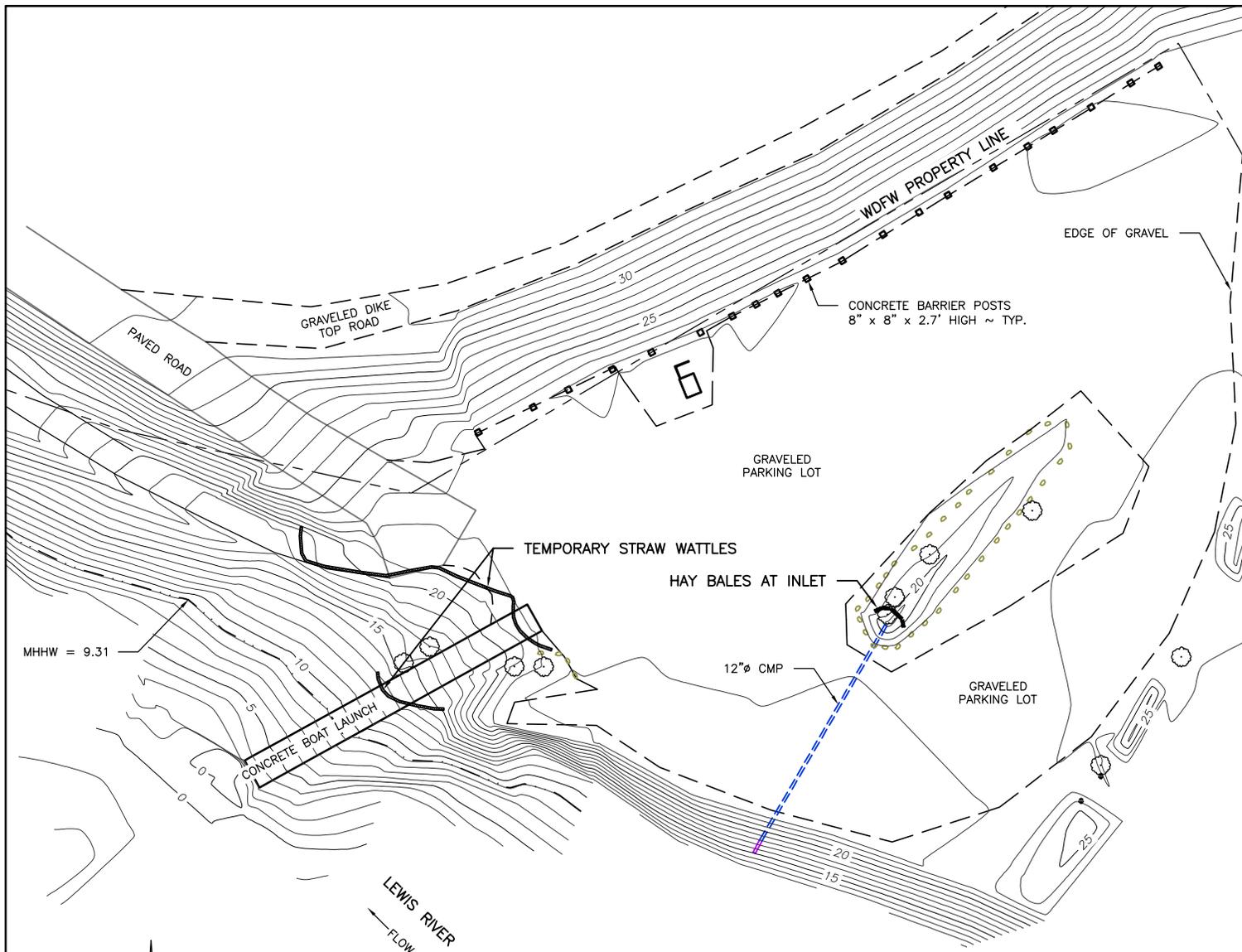
EXISTING SITE PLAN

SCALE: 1" = 60'

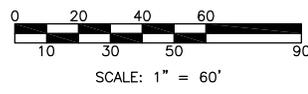
TIDAL ELEVATIONS	
TIDAL INDICATOR	ELEVATION
100 YEAR FLOOD	28.45 FT
MEAN HIGHER HIGH WATER	9.31 FT
MEAN HIGH WATER	8.81 FT
MEAN TIDE LEVEL	7.52 FT
MEAN SEA LEVEL	7.51 FT
MEAN LOW WATER	6.22 FT
MEAN LOWER LOW WATER	5.98 FT



REFERENCE NUMBER:
 APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
ACCESS RENOVATION
 LOCATION: MARTIN ACCESS
 SHEET 2 OF 10 DATE: 2/29/2016

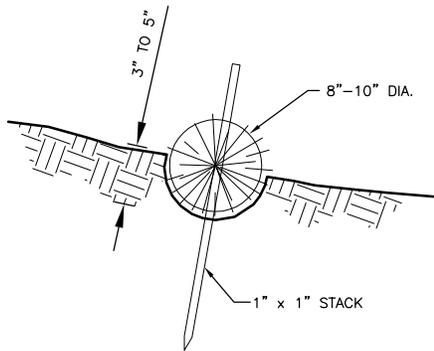


MHHW = 9.31



EROSION CONTROL PLAN
SCALE: 1" = 60'

REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS RENOVATION
 LOCATION: MARTIN ACCESS
 SHEET 3 OF 10 DATE: 2/29/2016

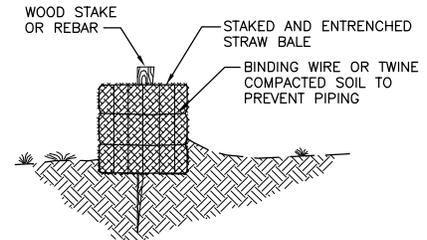


STRAW WATTLE DETAIL

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 GULLYS 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:

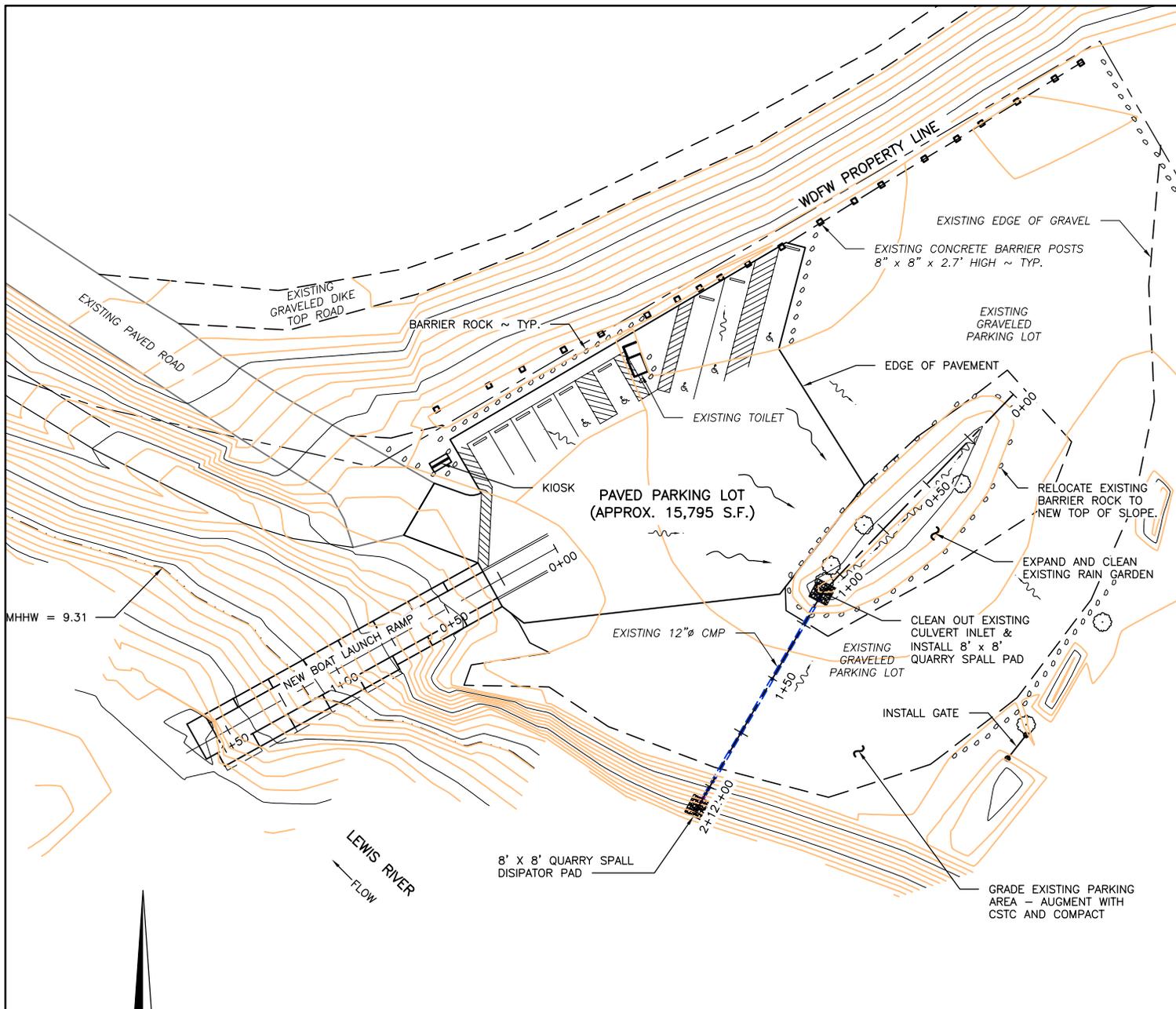
WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

ACCESS RENOVATION

LOCATION: MARTIN ACCESS

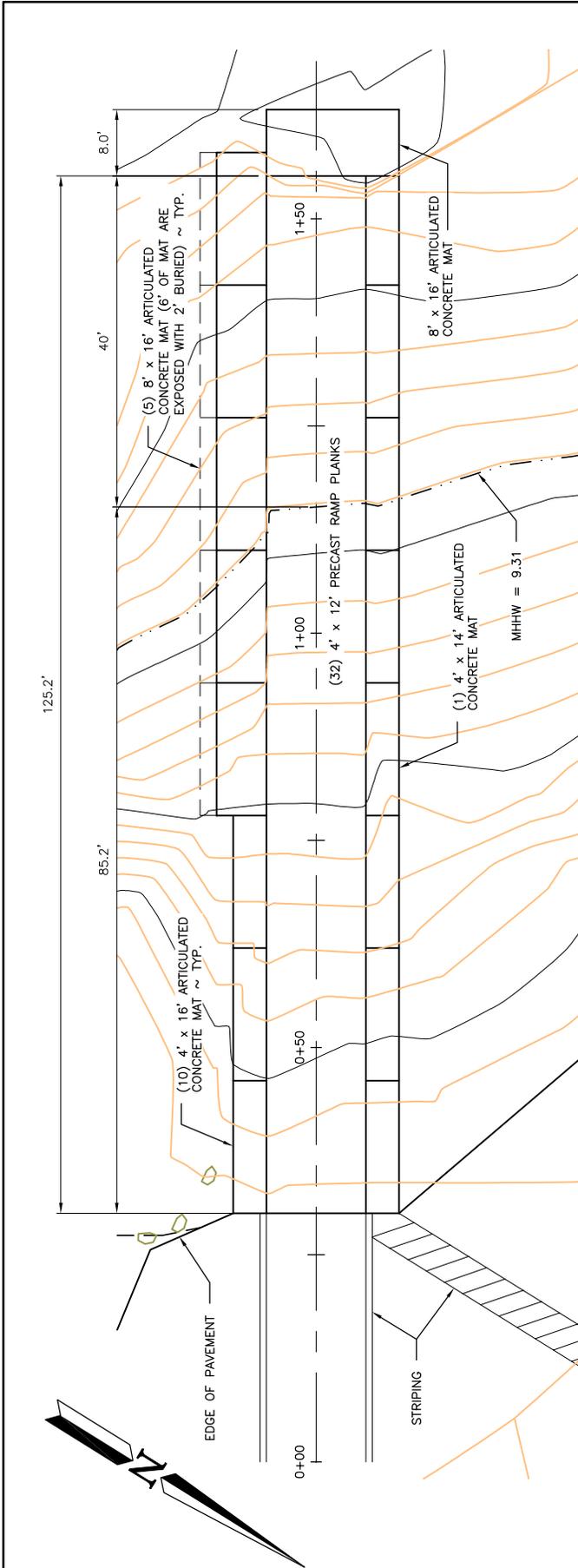
SHEET 4 OF 10 DATE: 2/29/2016



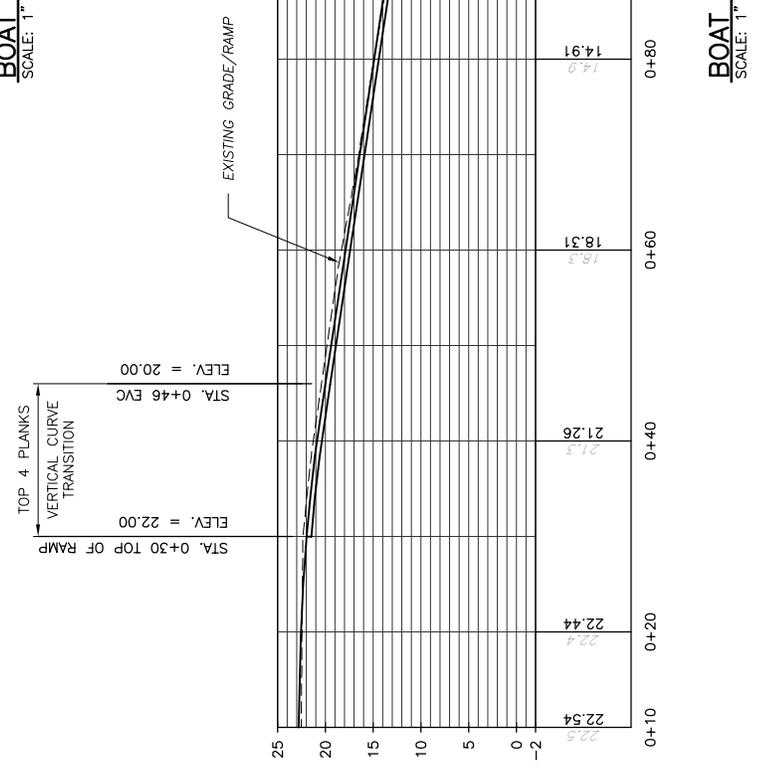
PROPOSED SITE PLAN
SCALE: 1" = 60'

MATERIALS	ABOVE MHHW		BELOW MHHW	
	AREA SF	VOLUME CY	AREA SF	VOLUME CY
PLANKS	1022 SF	19 CY	480 SF	9 CY
ARTICULATED CONCRETE MAT	772 SF	14 CY	552 SF	16 CY
RAMP SUBGRADE (FILL)	1794 SF	22 CY	1032 SF	12 CY
RAMP DEMO (CUT)	983 SF	-31 CY	435 SF	-8 CY

REFERENCE NUMBER:
 APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
ACCESS RENOVATION
 LOCATION: **MARTIN ACCESS**
 SHEET **5** OF **10** DATE: **2/29/2016**

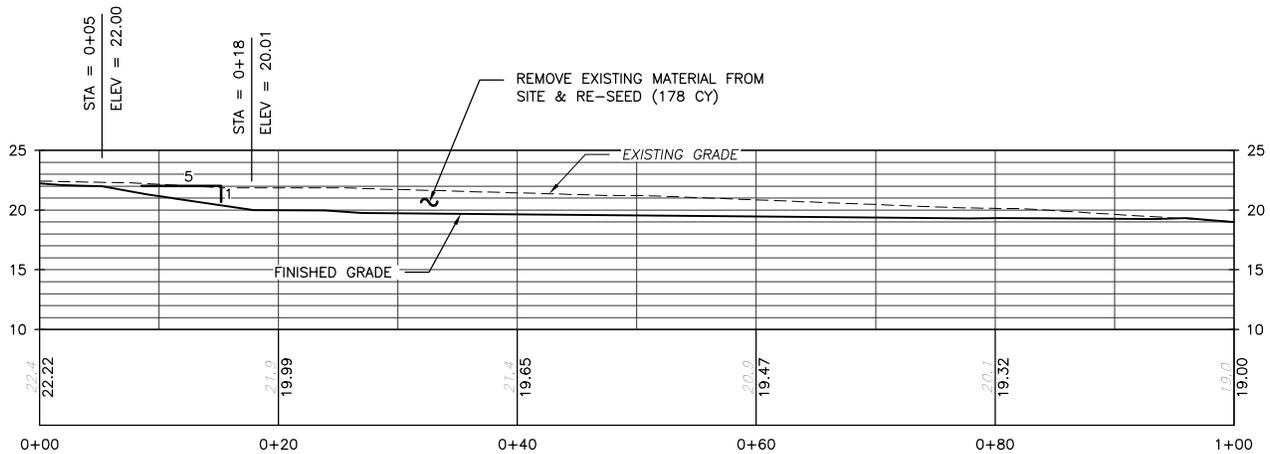


BOAT RAMP PLAN
SCALE: 1" = 20'

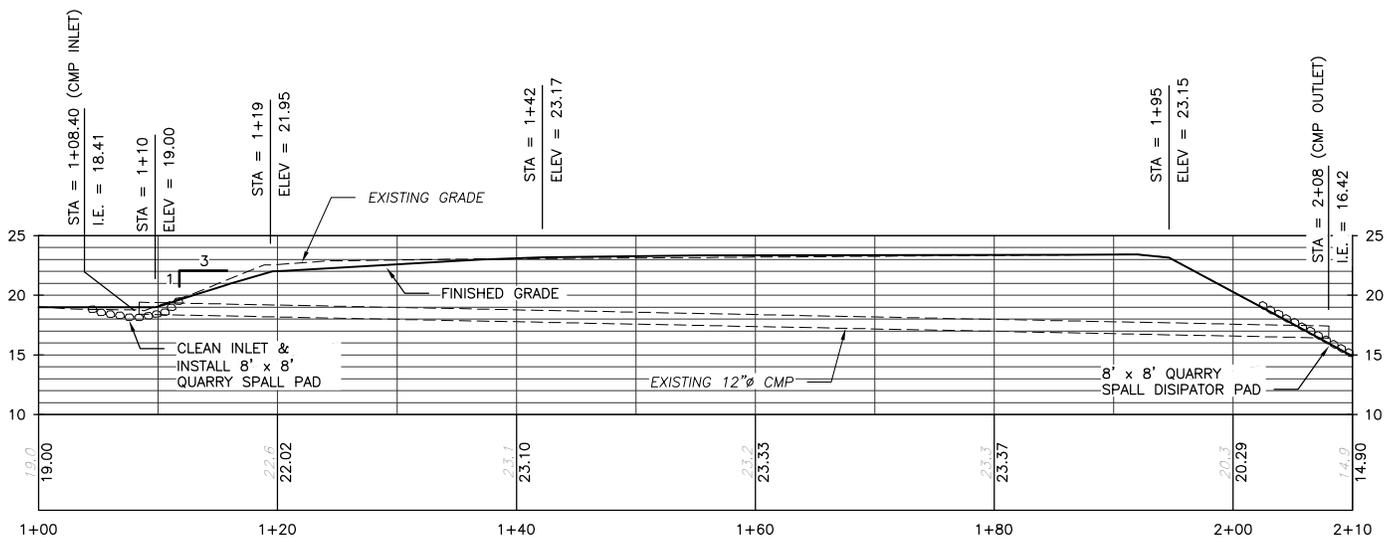


BOAT RAMP PROFILE
SCALE: 1" = 20'

REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS RENOVATION
 LOCATION: MARTIN ACCESS
 SHEET 6 OF 10 DATE: 2/29/2016



0+00 - 1+00

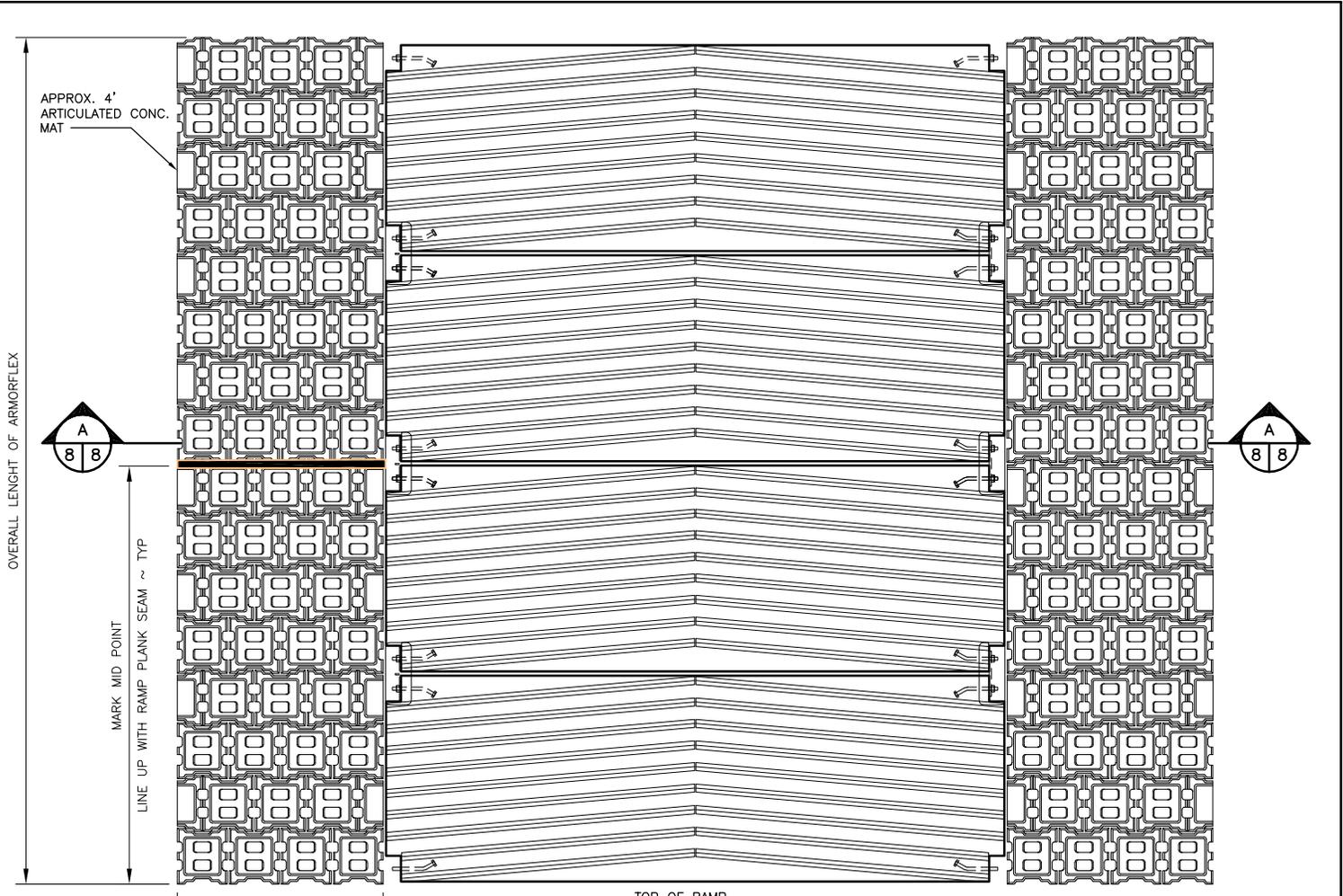


1+00 - 2+10

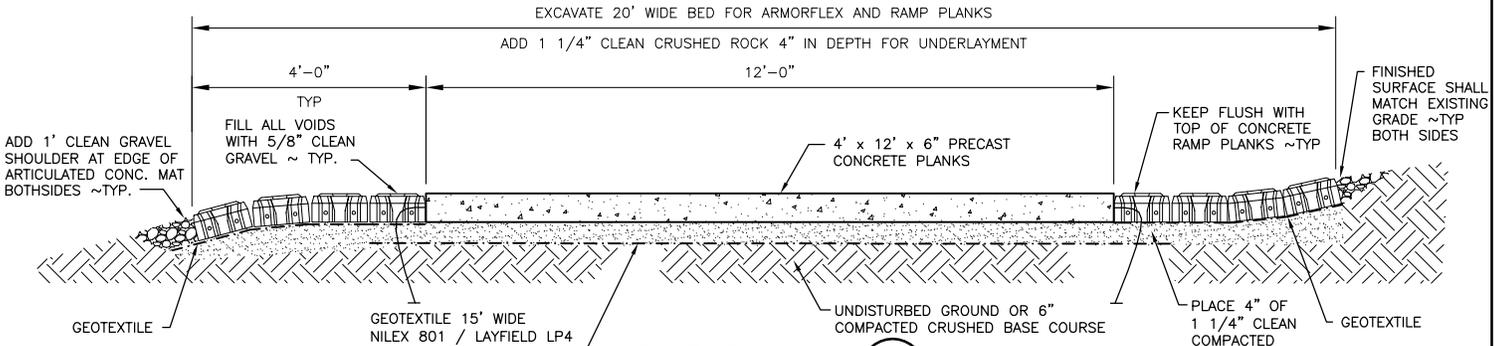
RAIN GARDEN AND CMP PROFILE

SCALE: 1" = 16'

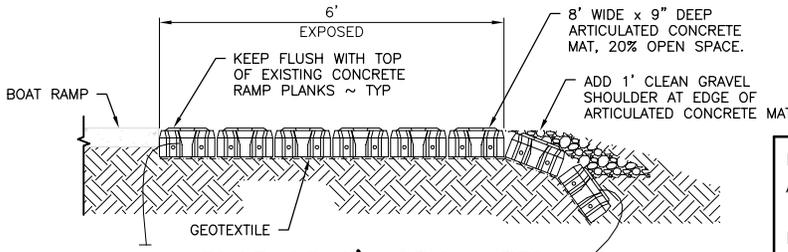
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 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS RENOVATION
 LOCATION: MARTIN ACCESS
 SHEET 7 OF 10 DATE: 2/29/2016



TYPICAL RAMP PLANK PLAN
NOT TO SCALE

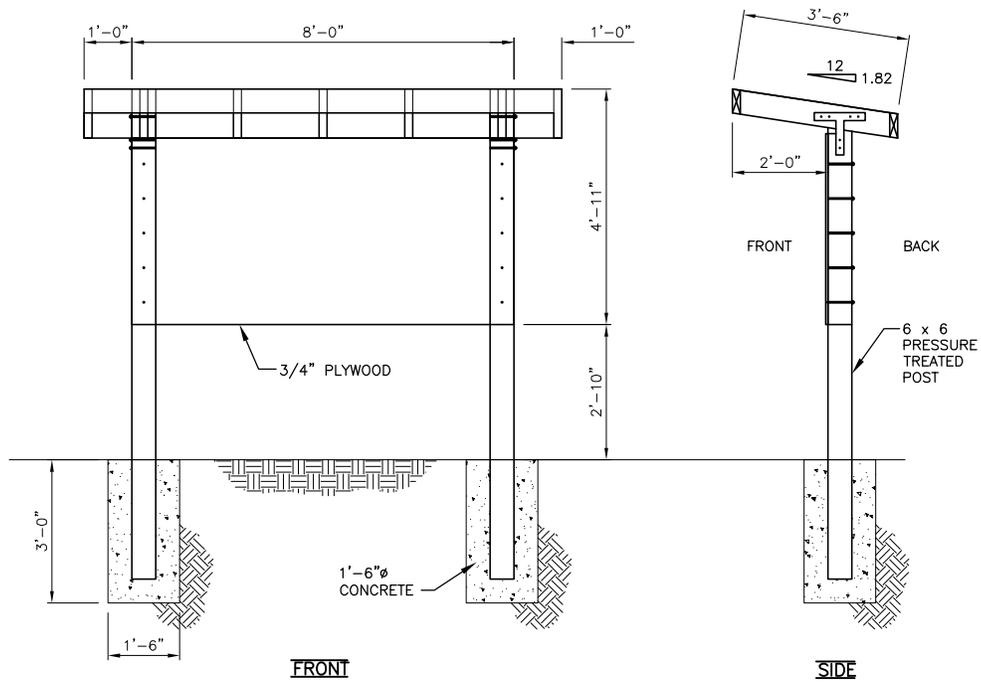


RAMP PLANK
NOT TO SCALE



EDGE OF 8' ARTICULATED CONCRETE MAT
NOT TO SCALE

REFERENCE NUMBER:
 APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
ACCESS RENOVATION
 LOCATION: MARTIN ACCESS
 SHEET 8 OF 10 DATE: 2/29/2016



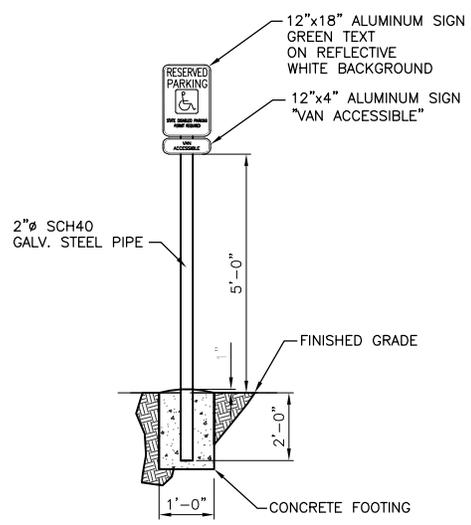
FRONT

SIDE

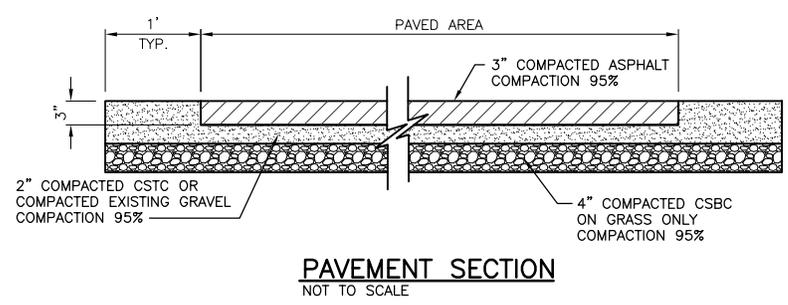
INFORMATION KIOSK #BBK-2
NOT TO SCALE

NOTE:

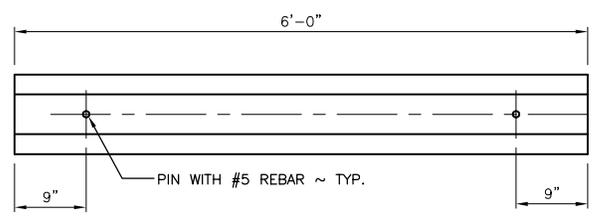
1. POST TO BE PLUMB AND LEVEL ALL DIRECTIONS
2. ASSEMBLY OF POSTS, PLYWOOD, ROOF AND INSTALLATION BY CONTRACTOR.
3. KIOSK PACKAGE BBK-2 TO BE PROVIDED BY OTHERS



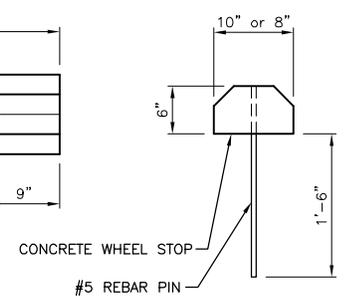
ACCESSIBLE PARKING SIGN
NOT TO SCALE



PAVEMENT SECTION
NOT TO SCALE

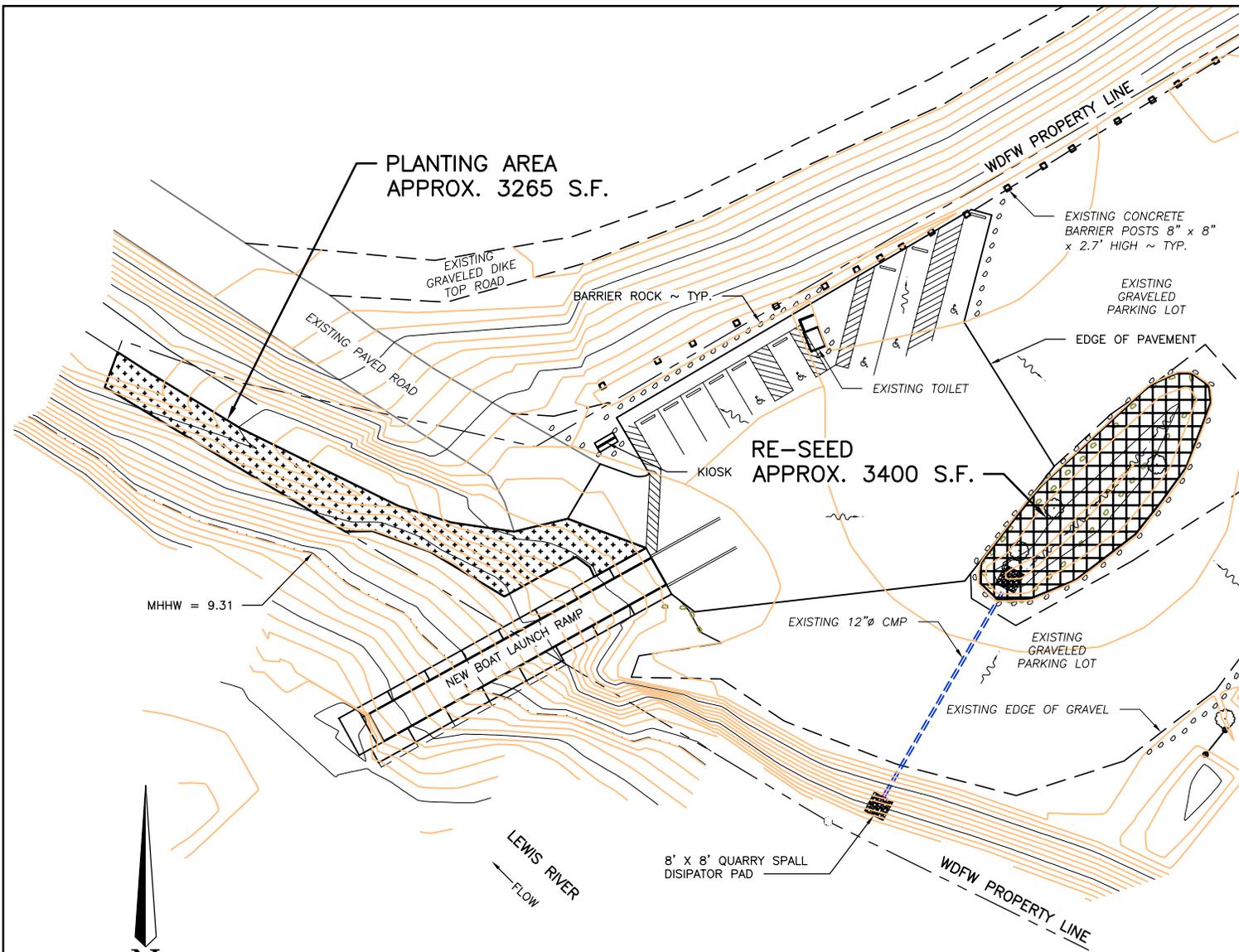


WHEEL STOP
NOT TO SCALE



CONCRETE WHEEL STOP
#5 REBAR PIN

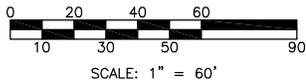
REFERENCE NUMBER:
 APPLICANT NAME:
 WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
 ACCESS RENOVATION
 LOCATION: MARTIN ACCESS
 SHEET 9 OF 10 DATE: 2/29/2016



PLANTING PLAN
SCALE: 1" = 60'

PLANTING SCHEDULE

COMMON NAME	SCIENTIFIC NAME	SIZE	NUMBER	SPACING
BIG LEAF MAPLE	ACER MACROPHYLLUM	5 GALLON	5	10 FEET ON CENTER
WILLOW SP.	SALIX SP.	STAKES	30	5 FEET ON CENTER
BLACK COTTONWOOD	POPULUS BALSAMIFERA	STAKES	30	5 FEET ON CENTER
RED OSIER DOGWOOD	CORNUS STOLONIFERA	1 GALLON	50	3 FEET ON CENTER
SWAMP ROSE	ROSA PISOCARPA	1 GALLON	80	3 FEET ON CENTER
BLACK TWINBERRY	LONICERA INVOLUCRATA	1 GALLON	80	3 FEET ON CENTER
PACIFIC NINEBARK	PHYSOCARPUS CAPITATUS	1 GALLON	80	3 FEET ON CENTER



SCALE: 1" = 60'

REFERENCE NUMBER:
 APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
 PROPOSED PROJECT:
ACCESS RENOVATION
 LOCATION: **MARTIN ACCESS**
 SHEET 10 OF 10 DATE: 2/29/2016