

DIRECTIONS TO PROJECT SITE;

DRIVE SOUTH FROM WENATCHEE ON THE MALAGA/ALCOA HWY 13 TO THE JUNCTION OF THE COLOCKUM ROAD AND THE TARPISCAN ROAD.

HEAD SOUTH ON TARPISCAN ROAD. AT ENTRANCE TO COLOCKUM WILDLIFE AREA, TURN EAST TO PROJECT SITE.

DIRECTIONS TO WILDLIFE AREA HEADQUARTERS;

FROM THE PROJECT SITE, CONTINUE SOUTH ON TARPISCAN ROAD TO THE WLA HEADQUARTERS.



NGVD 29

NGVD 29, BASED ON SHORE LINE RIVER ELEVATIONS WE TAKEN AT THE BOAT LAUNCH SITE CORRELATED TO ROCK ISLAND DAM TAILWATER ELEVATIONS, OBTAINED FROM CHELAN COUNTY PUD. DATE OF OBSERVATIONS OCTOBER 20, 2009.

NO SCALE

SECTION 29, T 21 N, R 22 E,
 LONGITUDE: 47.28145° N
 LATITUDE: 120.05112° W
 COUNTY: CHELAN

PURPOSE: BOAT LAUNCH IMPROVEMENTS	WASHINGTON DEPT. of FISH & WILDLIFE 600 CAPITOL WAY N. OLYMPIA, WA 98501-1091	PROPOSED: COLOCKUM ACCESS IMPROVEMENTS
DATUM: NGVD '29 ADJACENT PROPERTY OWNER: 1. _____ 2. _____ ENG. PROJECT NO. CN:R11:10-1	REFERENCE NO. _____ SITE: COLOCKUM WILDLIFE AREA ADDRESS: TARPISCAN ROAD MALAGA, WASHINGTON	IN: COLUMBIA RIVER NEAR: WENATCHEE COUNTY OF: CHELAN STATE: WA PORTION OF: SEC 29, T 21, R 22 E DATE: 01/11/2011 SHEET 1 OF 13



TO WENATCHEE



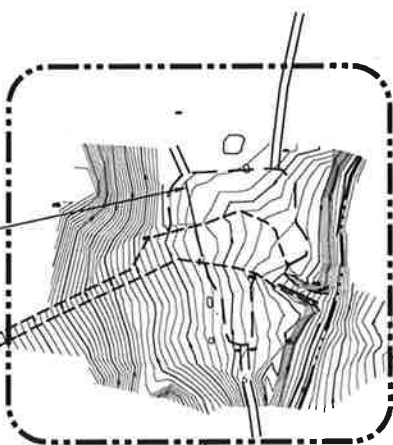
COLOCKUM WILDLIFE AREA

EXISTING GRAVEL ENTRANCE ROAD

905' ±

PUMP STATION

500' ±



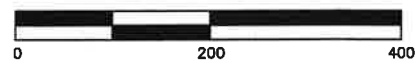
RAMP AREA IMPROVEMENTS SEE SHEET 4

OVERFLOW PARKING GRADE AND GRAVEL SEE SHEET 3

COLUMBIA RIVER

OVERALL EXISTING SITE PLAN

SCALE: 1" = 200'



SCALE: 1" = 200'

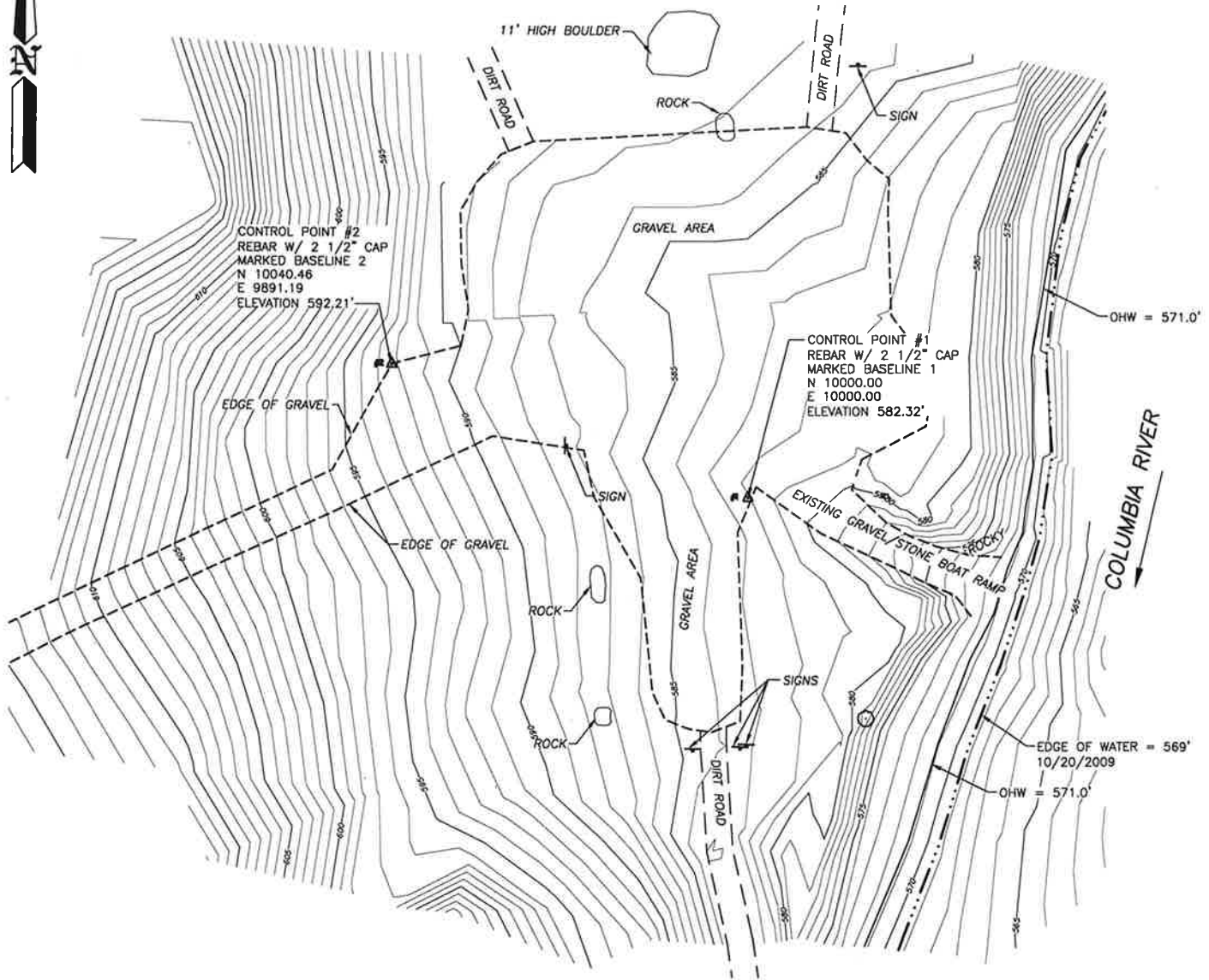


NGVD 29

NGVD 29, BASED ON SHORE LINE RIVER ELEVATIONS WE TAKEN AT THE BOAT LAUNCH SITE CORRELATED TO ROCK ISLAND DAM TAILWATER ELEVATIONS, OBTAINED FROM CHELAN COUNTY PUD. DATE OF OBSERVATIONS OCTOBER 20, 2009.

REFERENCE NO.	_____
APPLICANT:	WASHINGTON DEPT. of FISH & WILDLIFE
COLOCKUM WILDLIFE AREA COLOCKUM ACCESS IMPROVEMENTS OVERALL EXISTING SITE PLAN	
AT:	COLUMBIA RIVER _____, WASHINGTON
DATE:	01/11/2011 SHEET 2 OF 13

ENG. PROJECT NO. CN:R11:10-1



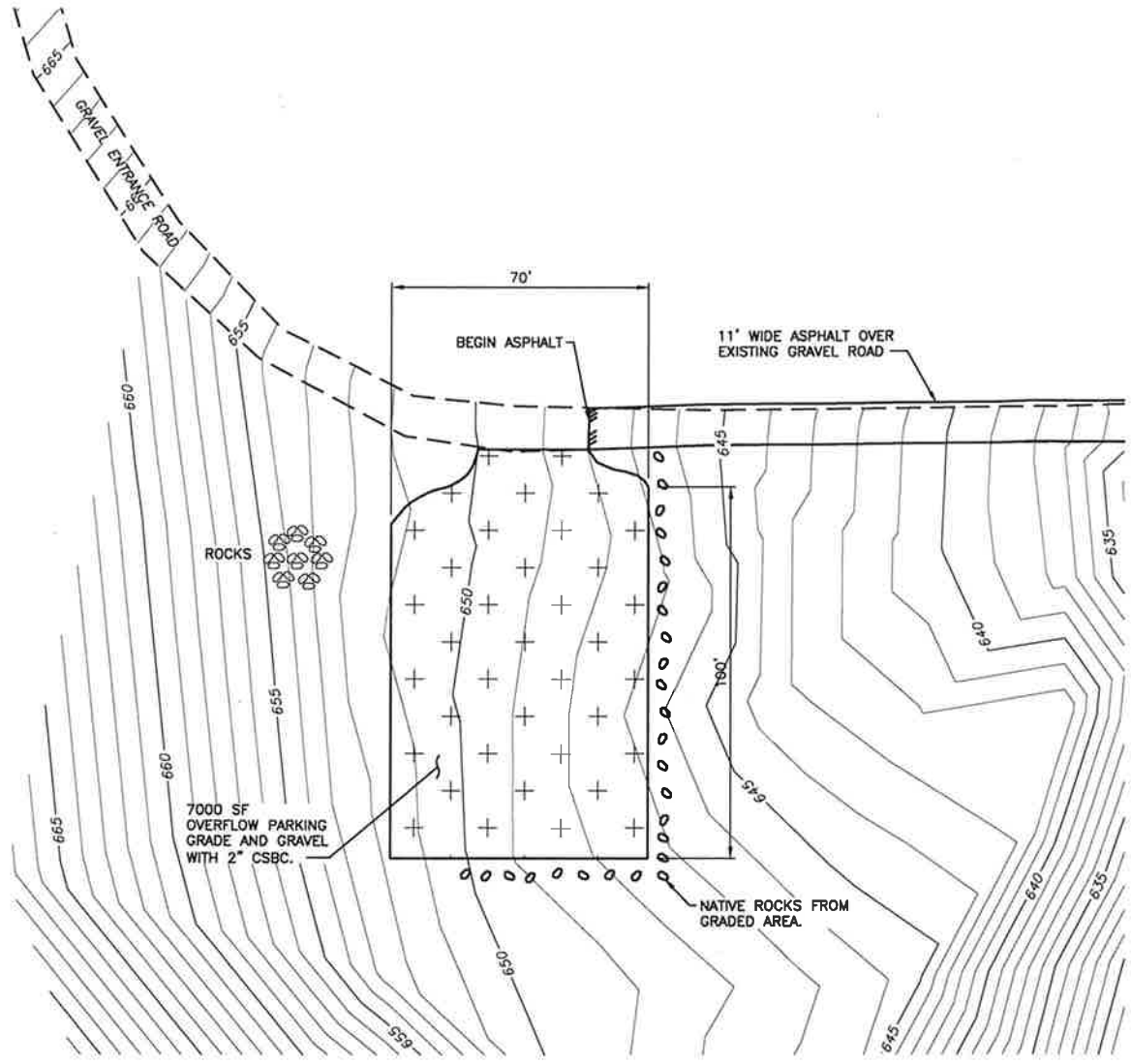
EXISTING RAMP SITE

SCALE: 1" = 50'



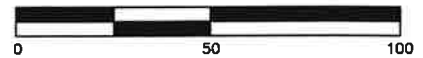
SCALE: 1" = 50'

REFERENCE NO.
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
COLOCKUM WILDLIFE AREA COLOCKUM ACCESS IMPROVEMENTS EXISTING RAMP AREA SITE PLAN
AT: COLUMBIA RIVER, WASHINGTON
DATE: 01/11/2011 SHEET 3 OF 13



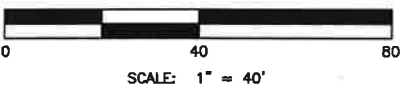
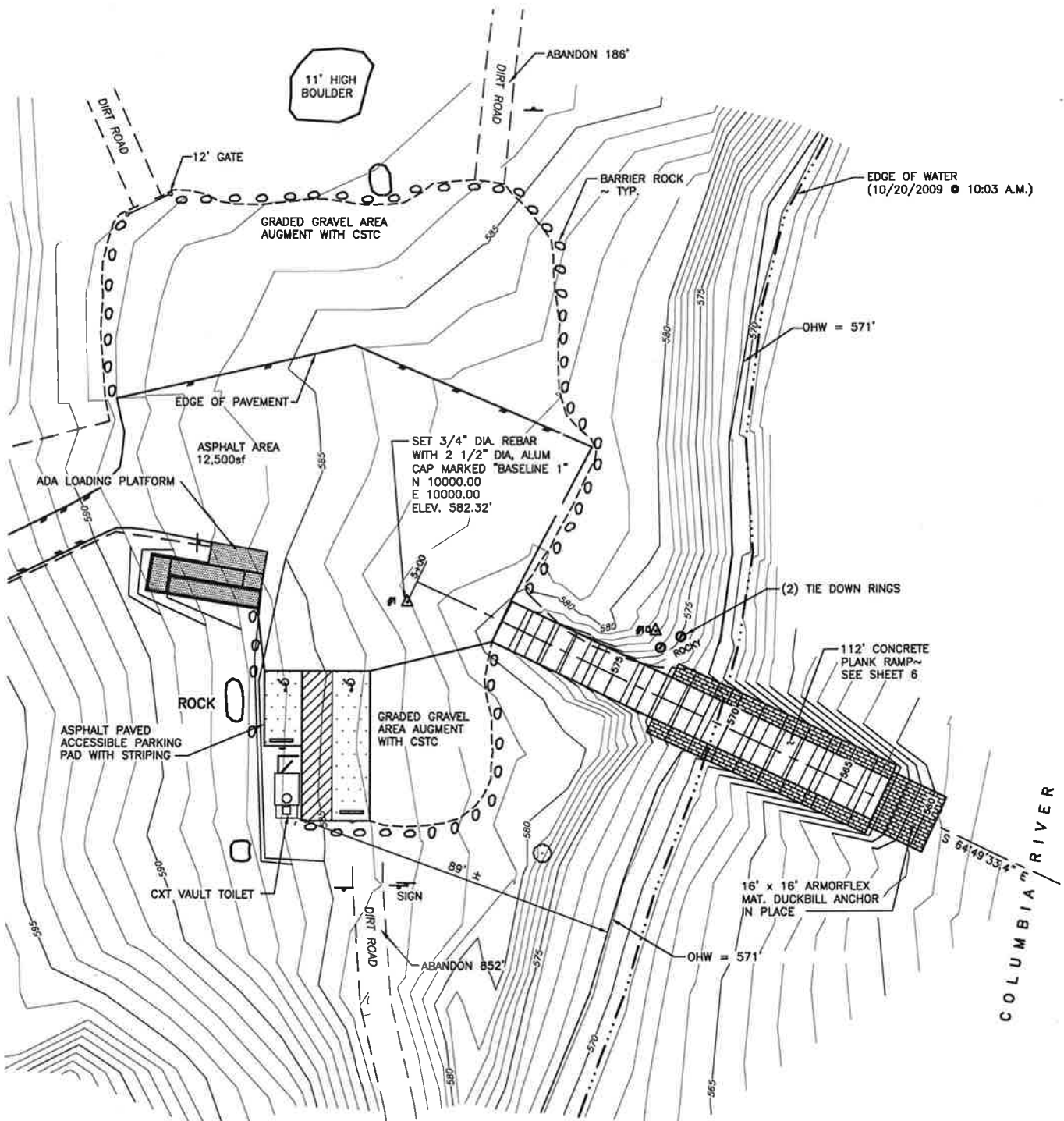
OVERFLOW PARKING PLAN

SCALE: 1" = 50'



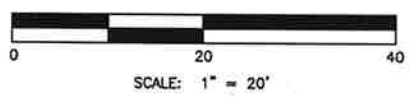
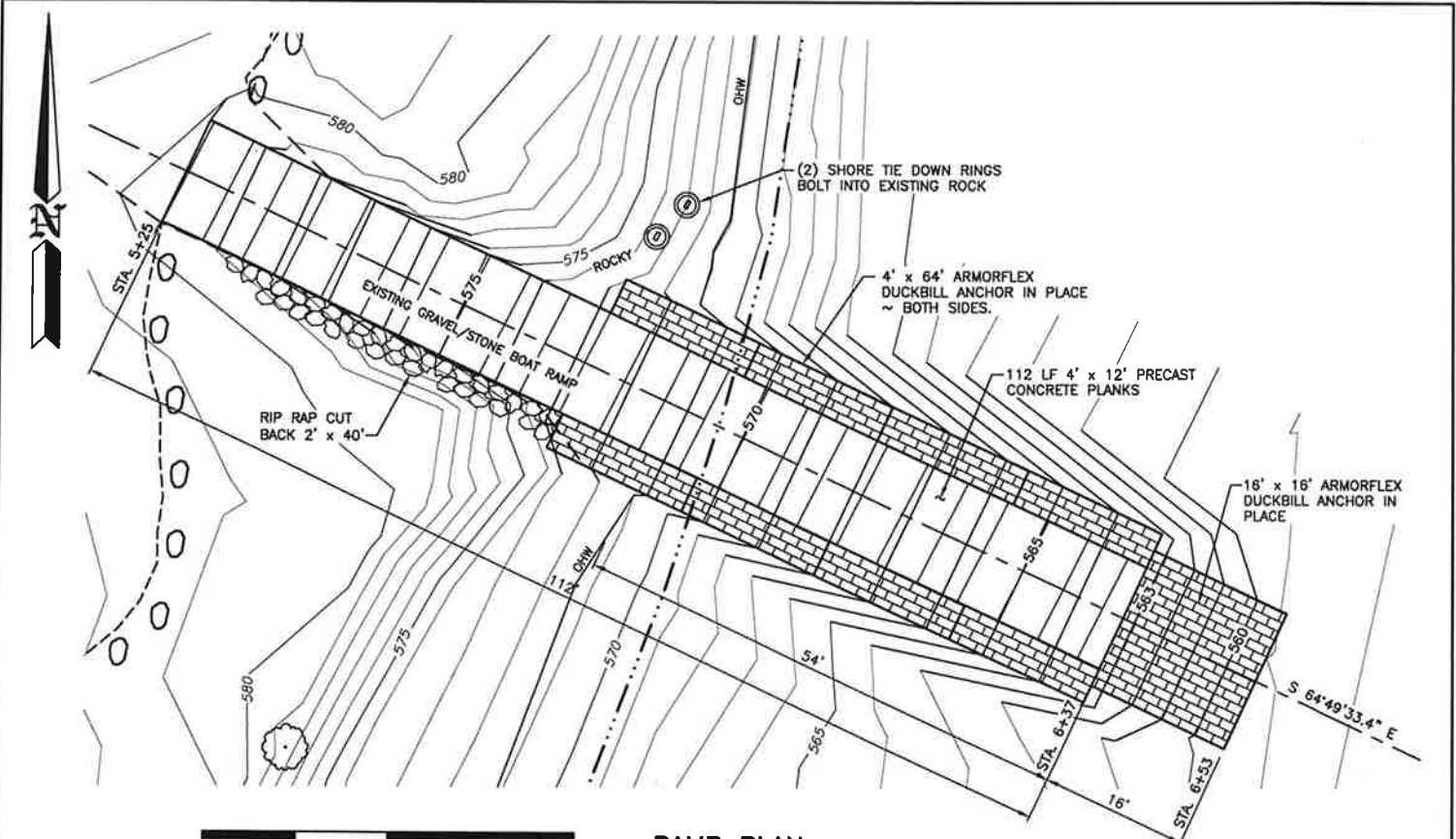
SCALE: 1" = 50'

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
COLOCKUM WILDLIFE AREA COLOCKUM ACCESS IMPROVEMENTS OVERFLOW PARKING SITE PLAN
AT: <u>COLUMBIA RIVER</u> , WASHINGTON
DATE: <u>01/11/2011</u> SHEET <u>4</u> OF <u>13</u>

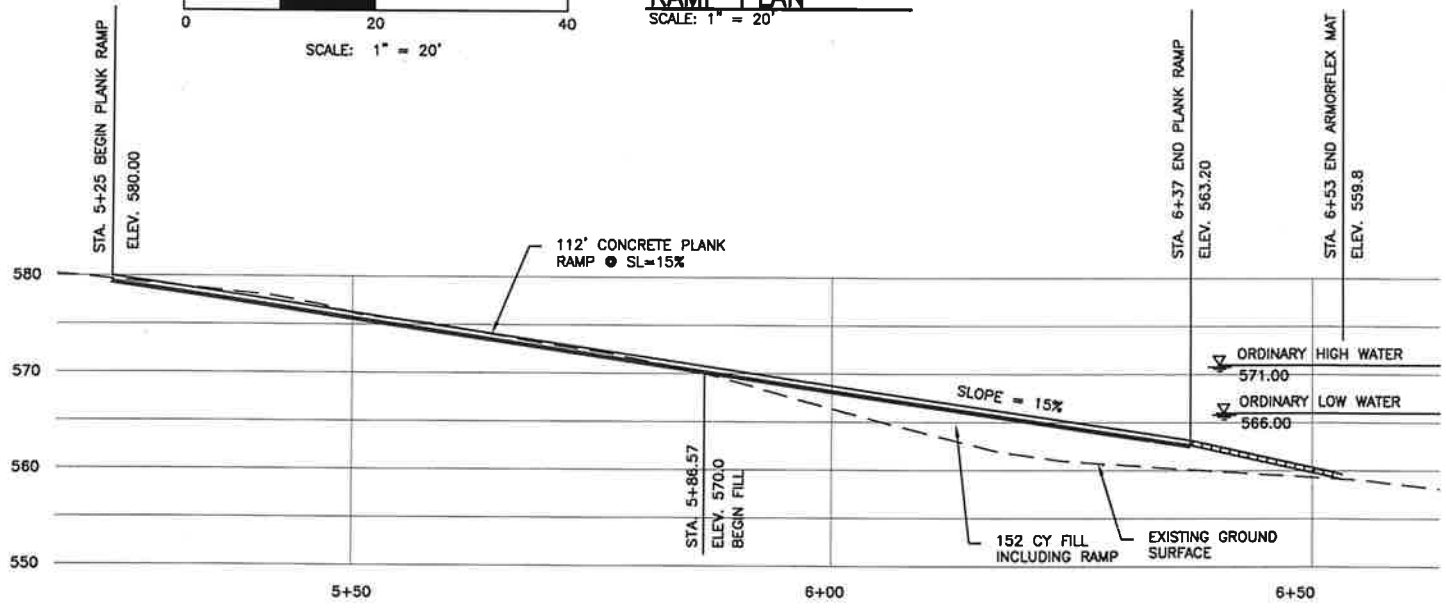


SITE PLAN
SCALE: 1" = 40'

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
COLOCKUM WILDLIFE AREA COLOCKUM ACCESS IMPROVEMENTS SITE PLAN
AT: <u>COLUMBIA RIVER</u> , WASHINGTON
DATE: <u>01/11/2011</u> SHEET <u>5</u> OF <u>13</u>



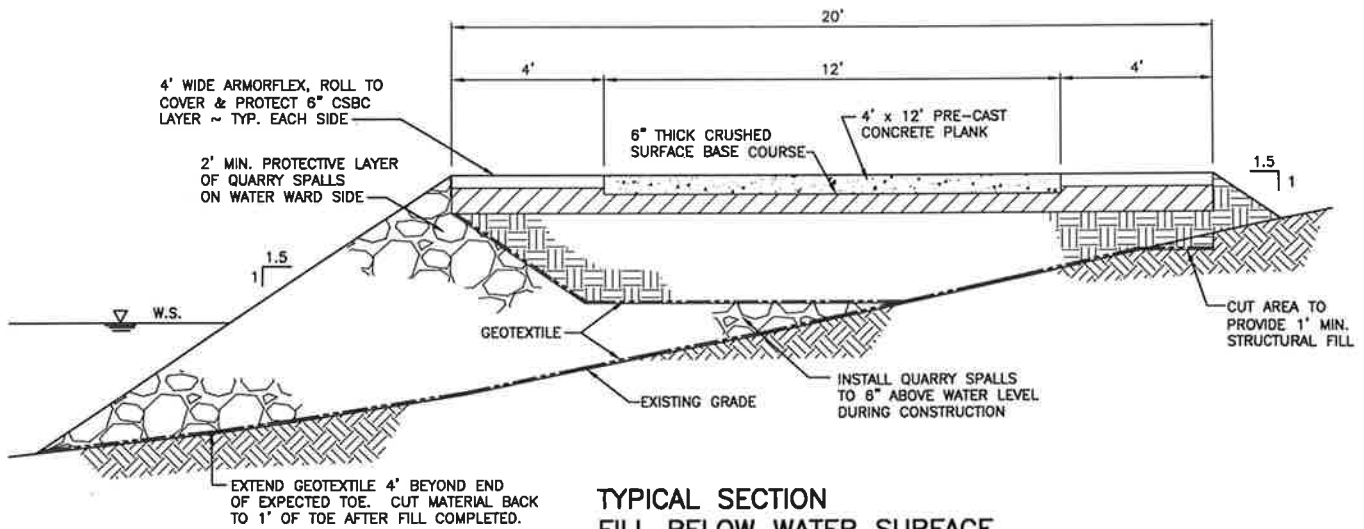
RAMP PLAN
SCALE: 1" = 20'



PROFILE
SCALE: 1" = 20'

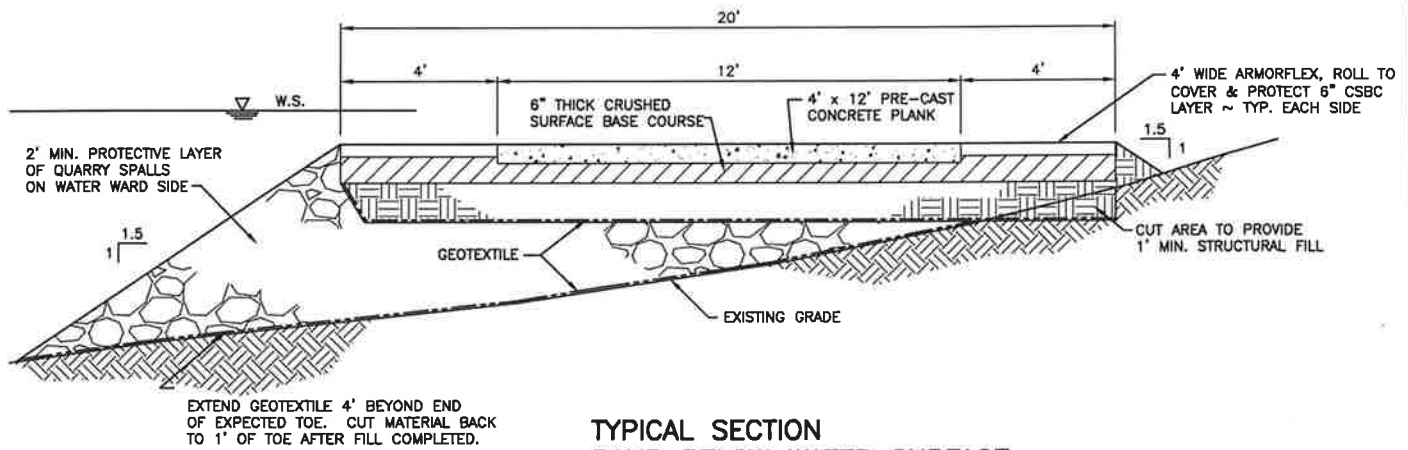
CUT AND FILL DATA	
SITE	TOTALS
CUT ABOVE OHW	23.3cy
CUT BELOW OHW	0.4cy
FILL ABOVE OHW	23.3cy
FILL BELOW OHW	152.4cy
NET BELOW OHW	152.0cy FILL
NET ABOVE OHW	0

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
COLOCKUM WILDLIFE AREA COLOCKUM ACCESS IMPROVEMENTS RAMP PLAN AND PROFILE
AT: COLUMBIA RIVER, WASHINGTON
DATE: 01/11/2011 SHEET 6 OF 13



**TYPICAL SECTION
FILL BELOW WATER SURFACE**

NOT TO SCALE
TYPICAL SECTION WHERE PORTIONS OF FILL OCCURS
BELOW WATER LEVEL ELEVATION AT THE TIME OF
CONSTRUCTION AND PORTION OCCURS ABOVE.



**TYPICAL SECTION
RAMP BELOW WATER SURFACE**

NOT TO SCALE
TYPICAL SECTION WHERE TOP OF RAMP ELEVATION
IS BELOW WATER LEVEL ELEVATION AT THE TIME
OF CONSTRUCTION.

EARTHWORK/FILL NOTES:

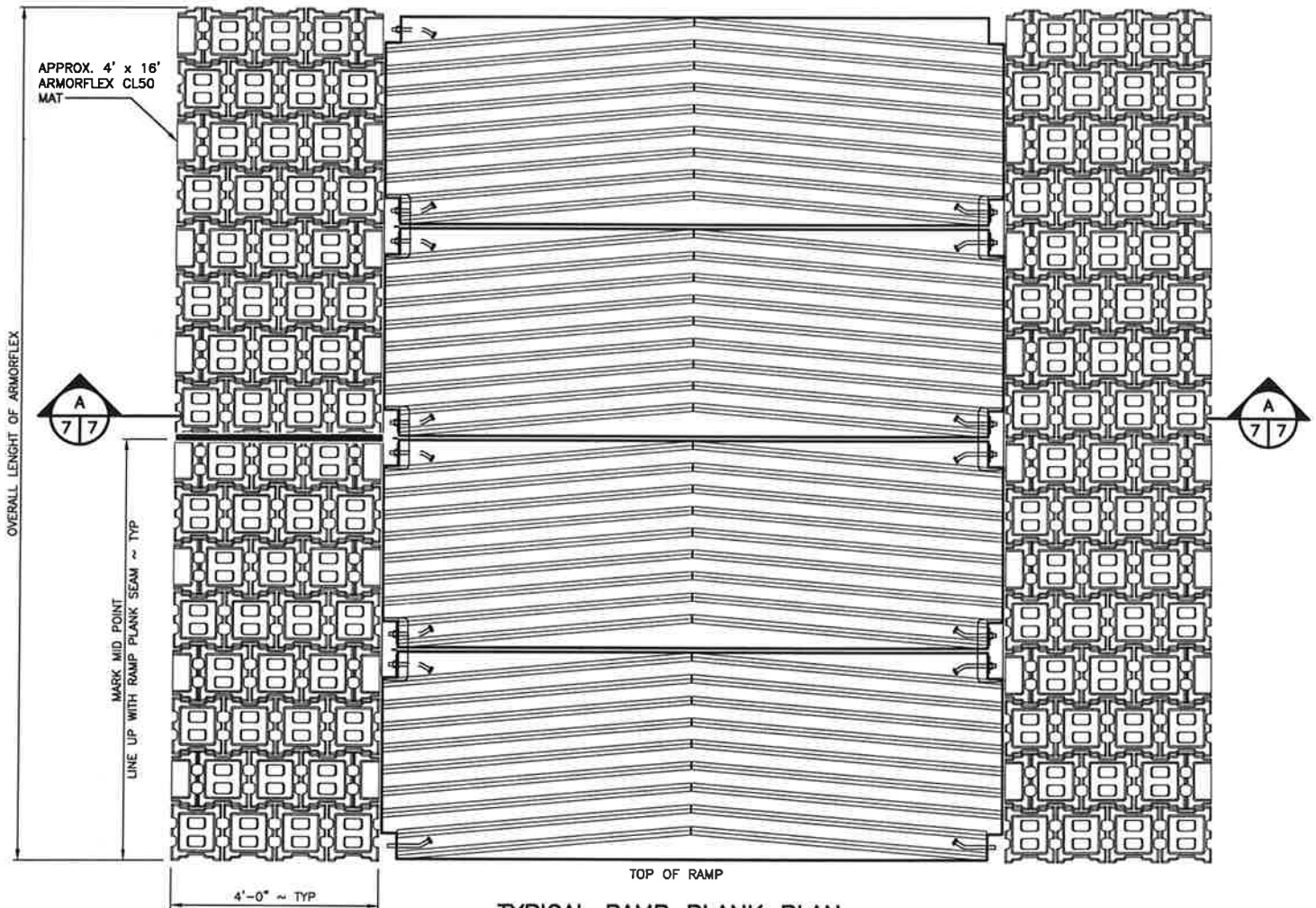
1. FOOTPRINT OF FILL AREA SHALL BE CLEARED AND GRUBBED.
2. AREA TO RECEIVE FILL SHALL BE GRADED TO DESIGN GRADES AND SMOOTHED TO RECEIVE GEOTEXTILE. INSTALL GEOTEXTILE ACCORDING TO MANUFACTURER'S RECOMMENDATION. AT LEAST 18" OF FILL SHOULD COVER THE FABRIC BEFORE EQUIPMENT IS ALLOWED ON TOP OF FABRIC.
3. AREA TO RECEIVE FILL SHALL BE PROOF ROLLED WITH A LOADED DUMP TRUCK OR STEEL DRUM VIBRATORY ROLLER AND/OR HAND PROBED WITH 1/2" DIAMETER STEEL ROD.
4. FILL BELOW THE WATER ELEVATION AT THE TIME OF CONSTRUCTION SHALL BE LIGHT LOOSE RIP RAP TO 6" ABOVE THE WATER LINE.
5. STRUCTURAL FILL SHALL BE PLACED IN 12" LIFTS AND COMPACTED WITH A HEAVY ROLLER TO AN UNYIELDING STATE. WHEN STRUCTURAL FILL IS PLACED OVER LIGHT LOOSE RIP RAP, GEOTEXTILE SHALL BE PLACED BETWEEN.
6. ON-SITE MATERIAL IS MOISTURE SENSITIVE. CONTRACTOR SHALL TAKE MEASURES TO PROTECT EXPOSED SUBGRADES FROM MOISTURE DURING CONSTRUCTION.

MATERIALS:

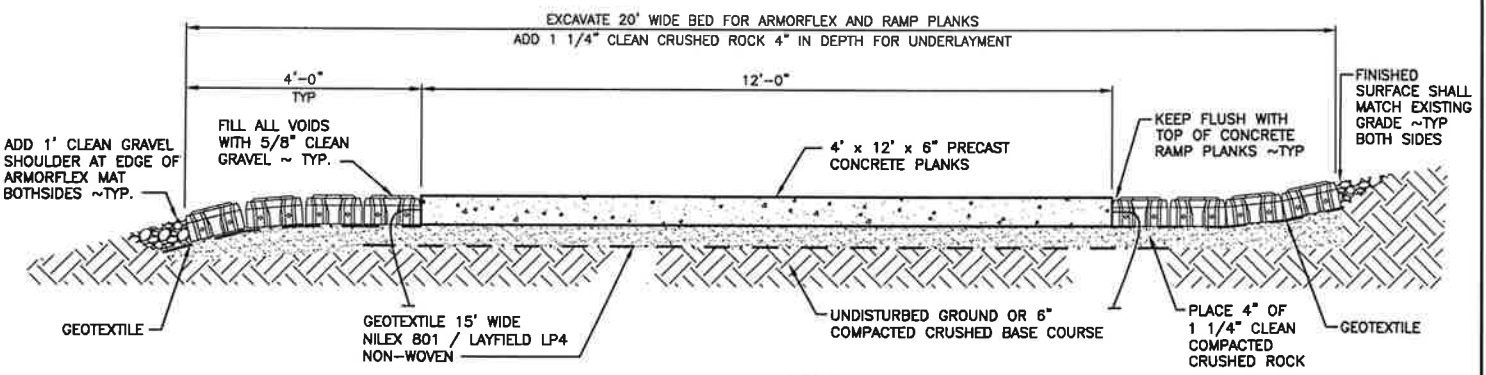
1. GEOTEXTILES - MIRAFI 600X OR AMOCO 2016, OR APPROVED EQUAL
2. QUARRY SPALLS - WSDOT SPECIFICATION.
3. STRUCTURAL FILL - CLEAN FREE-DRAINING CRUSHED ROCK CONTAINING LESS THAN 5 PERCENT FINES (SILTS AND CLAY SIZED PARTICLES) BASED ON THE FRACTION PASSING THE 3/4" SIEVE. 100 PERCENT PASSING THE 4" SIEVE. NO DELETERIOUS MATERIALS.
4. CRUSHED SURFACE BASE COURSE (CSBC) - WSDOT SPECIFICATION.

ENG. PROJECT NO. **CN:R11:10-1**

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
COLOCKUM WILDLIFE AREA COLOCKUM ACCESS IMPROVEMENTS RAMP TYPICAL SECTION
AT: COLUMBIA RIVER _____, WASHINGTON
DATE: 01/11/2011 SHEET 7 OF 13

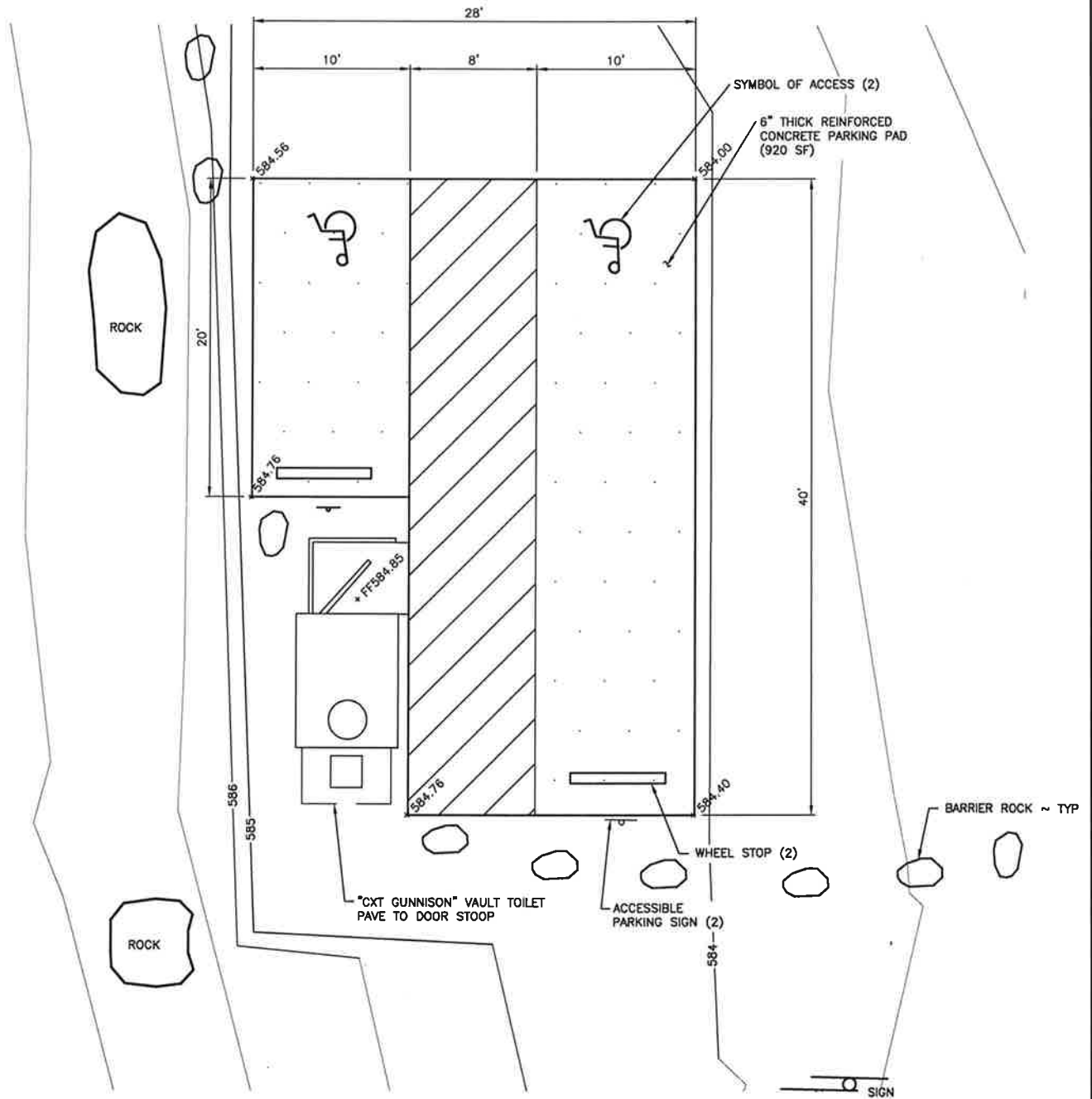


TYPICAL RAMP PLANK PLAN
NOT TO SCALE

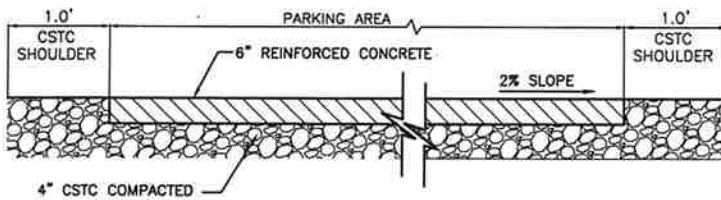


RAMP PLANK
NOT TO SCALE

REFERENCE NO.
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
COLOCKUM WILDLIFE AREA COLOCKUM ACCESS IMPROVEMENTS TYPICAL RAMP PLANK PLAN & SECTION
AT: COLUMBIA RIVER, WASHINGTON
DATE: 01/11/2011 SHEET 8 OF 13



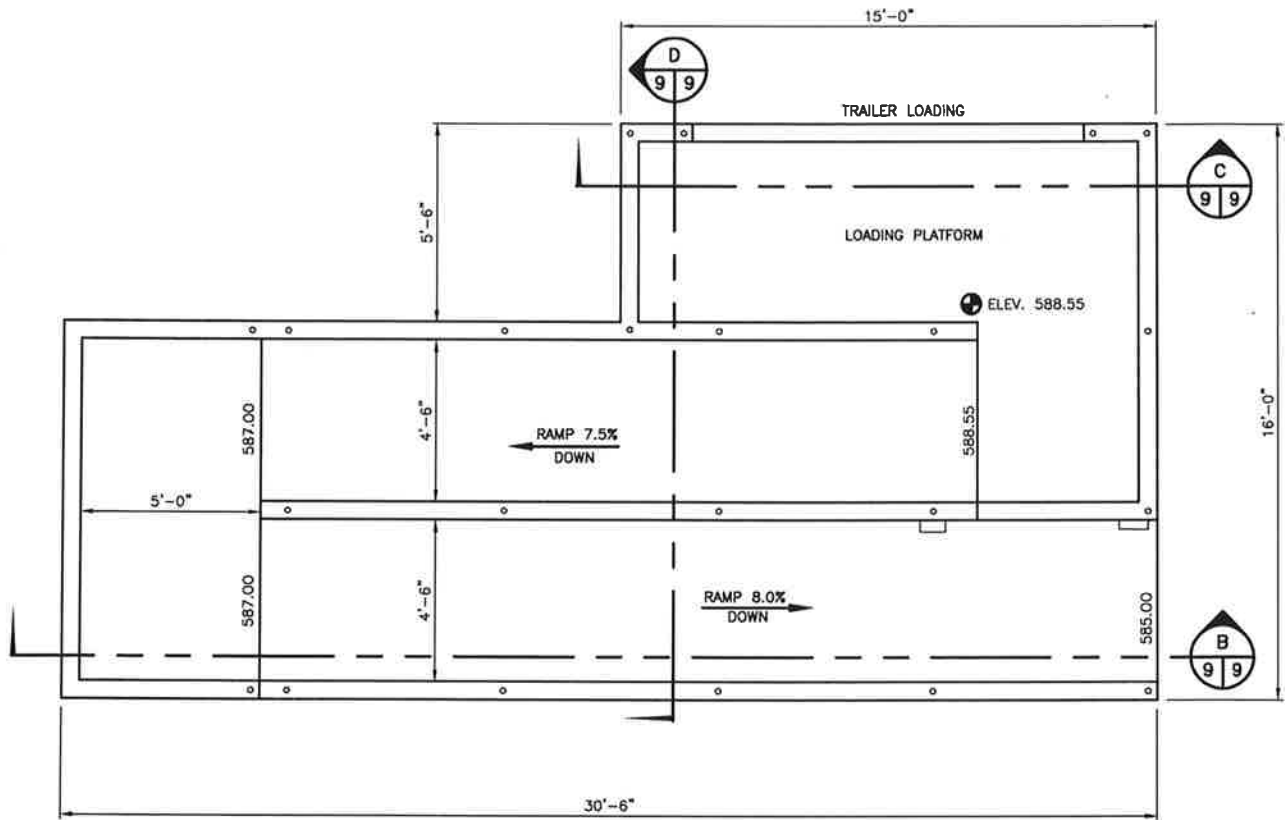
PARKING PLAN
SCALE: 1" = 10'



TYPICAL CONCRETE SECTION
NOT TO SCALE

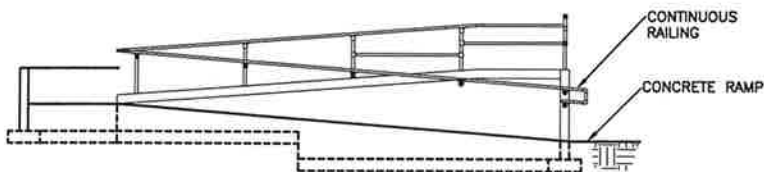


REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
COLOCKUM WILDLIFE AREA COLOCKUM ACCESS IMPROVEMENTS ACCESSIBLE PARKING PLAN AND DETAIL
AT: COLUMBIA RIVER _____, WASHINGTON
DATE: 01/11/2011 SHEET 9 OF 13

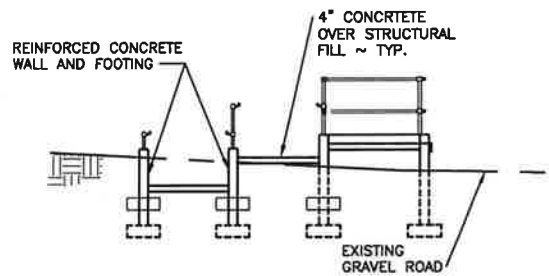


LOADING PLATFORM PLAN

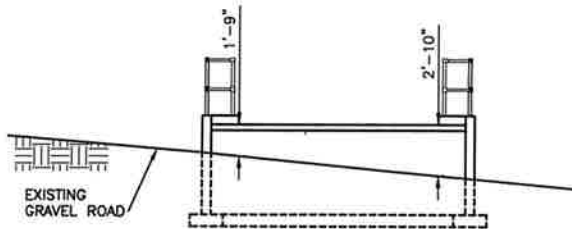
SCALE: 3/16" = 1'-0"



SECTION B
NOT TO SCALE

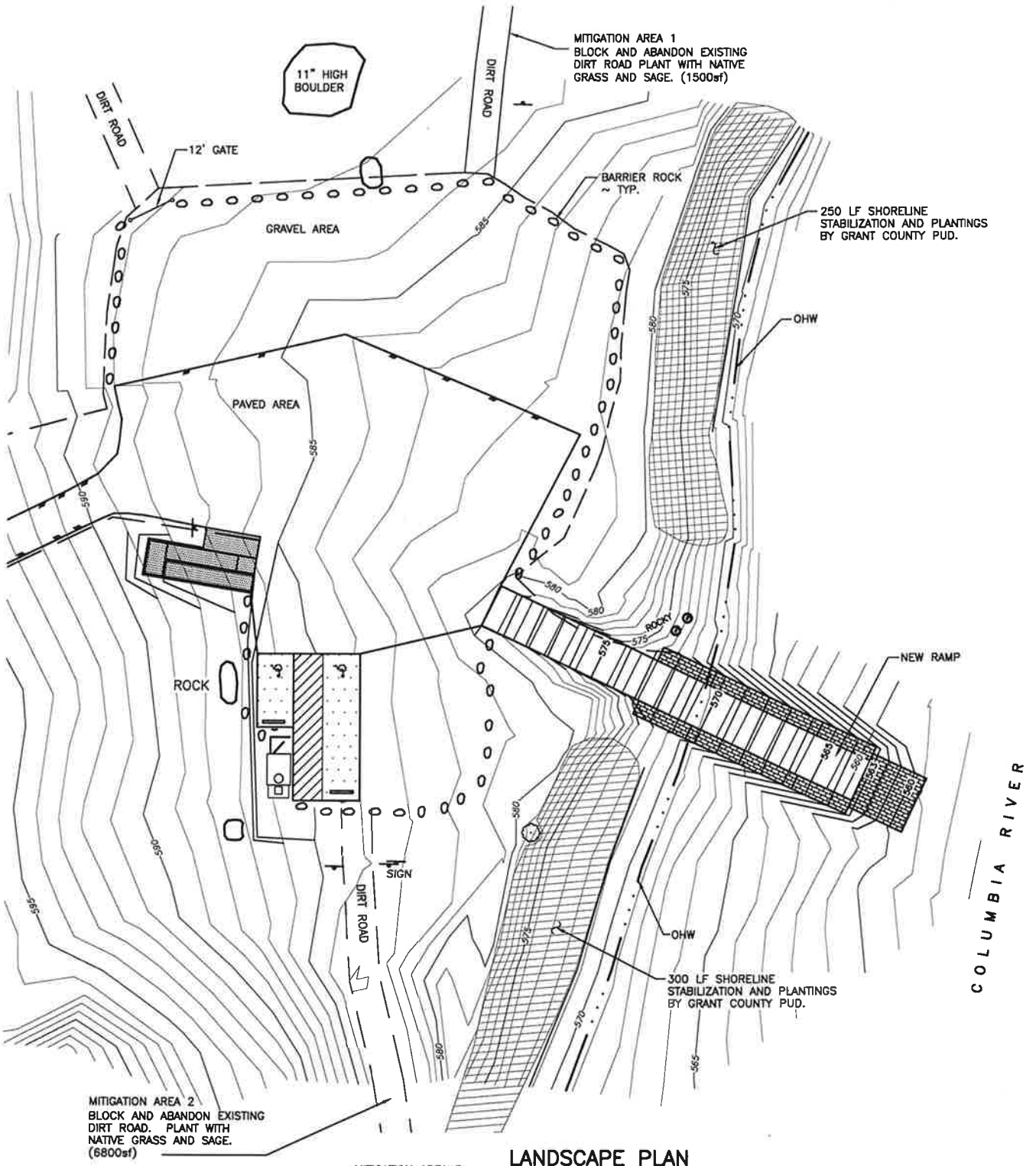


SECTION D
NOT TO SCALE



SECTION C
NOT TO SCALE

REFERENCE NO.	
APPLICANT:	WASHINGTON DEPT. of FISH & WILDLIFE
	COLOCKUM WILDLIFE AREA
	COLOCKUM ACCESS IMPROVEMENTS
	LOADING PLATFORM PLAN AND SECTION
AT:	COLUMBIA RIVER, WASHINGTON
DATE:	01/11/2011 SHEET 10 OF 13

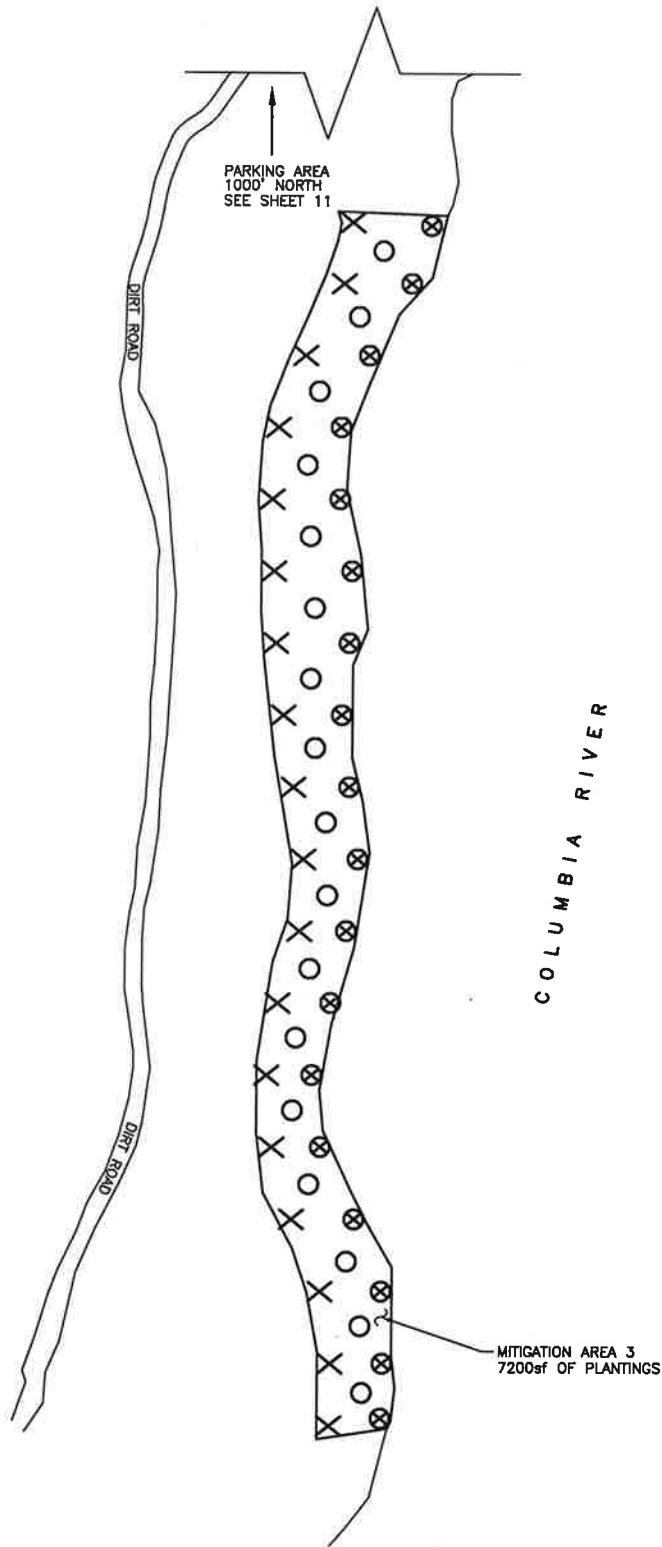


LANDSCAPE PLAN
SCALE: 1" = 40'

MITIGATION AREA 2
BLOCK AND ABANDON EXISTING
DIRT ROAD. PLANT WITH
NATIVE GRASS AND SAGE.
(6800sf)

MITIGATION AREA 3
1000' SOUTH
7200' SF OF PLANTINGS
SEE SHEET 12

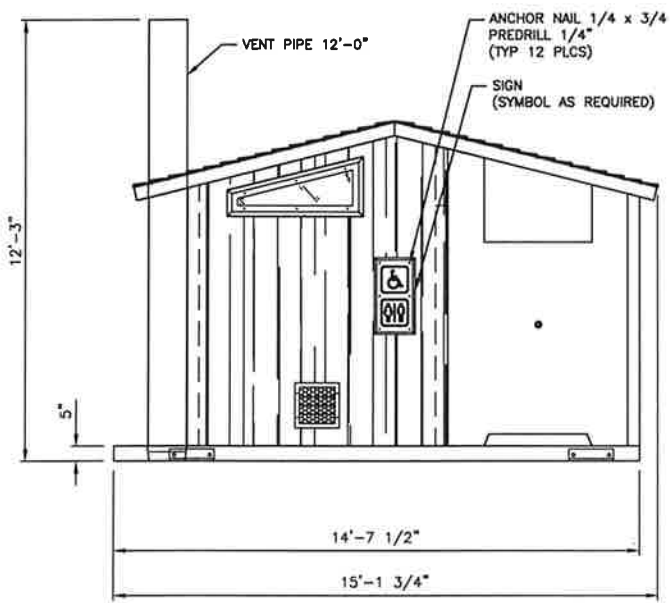
REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
COLOCKUM WILDLIFE AREA COLOCKUM ACCESS IMPROVEMENTS LANDSCAPE PLAN
AT: COLUMBIA RIVER, WASHINGTON
DATE: 01/11/2011 SHEET 11 OF 13



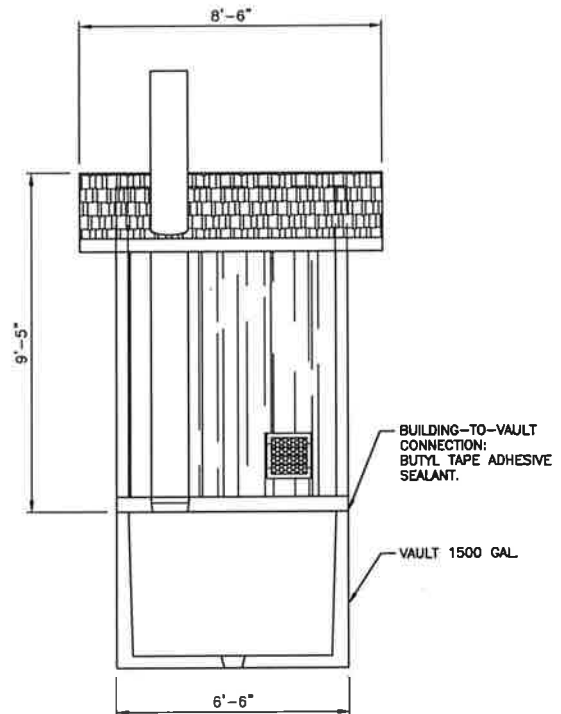
MITIGATION PLAN
NOT TO SCALE

MITIGATION PLANTING		
SYMBOL	PLANTINGS	QUANTITY
X	BLACK COTTONWOOD ● 10' O.C.	60
⊗	NARROW LEAF WILLOW ● 5' O.C.	60
○	WOOD ROSE ● 5' O.C.	60

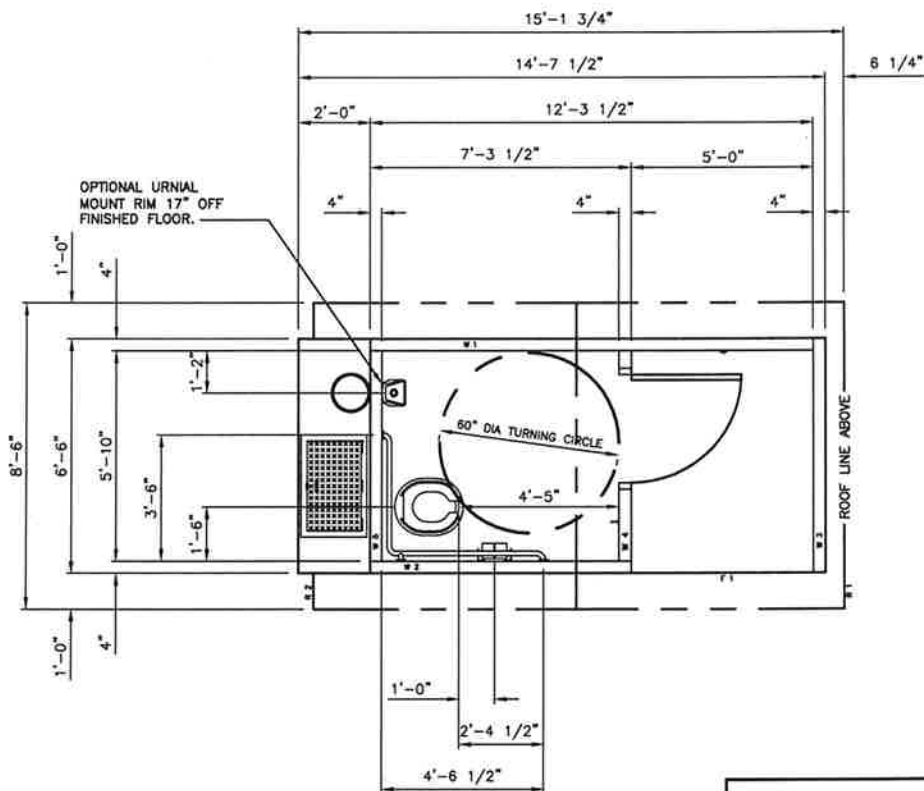
REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
COLOCKUM WILDLIFE AREA COLOCKUM ACCESS IMPROVEMENTS LANDSCAPE PLAN
AT: <u>COLUMBIA RIVER</u> , WASHINGTON
DATE: <u>01/11/2011</u> SHEET <u>12</u> OF <u>13</u>



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



LEFT SIDE ELEVATION
SCALE: 3/16" = 1'-0"



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

REFERENCE NO. _____
APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE
COLOCKUM WILDLIFE AREA COLOCKUM ACCESS IMPROVEMENTS CXT VAULT TOILET PLAN AND ELEVATION
AT: COLUMBIA RIVER _____, WASHINGTON
DATE: 01/11/2011 SHEET 13 OF 13