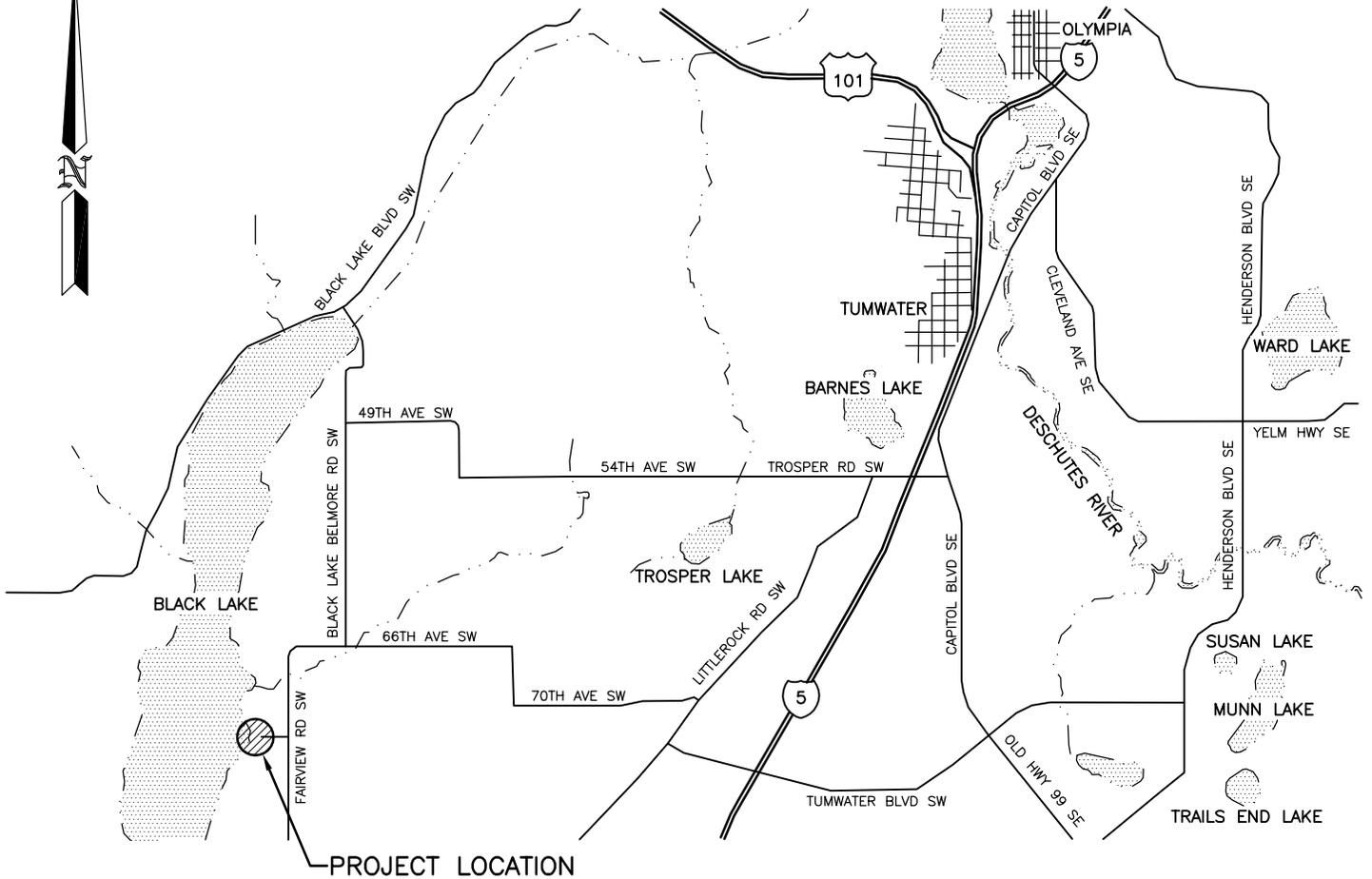


PROJECT LOCATION

**STATE MAP**

NOT TO SCALE



PROJECT LOCATION

**VICINITY MAP**

NOT TO SCALE

ENG. PROJECT NO. TN:A545:14-1

PORTION OF: SECT. 6, T 17 N, R 2 W

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

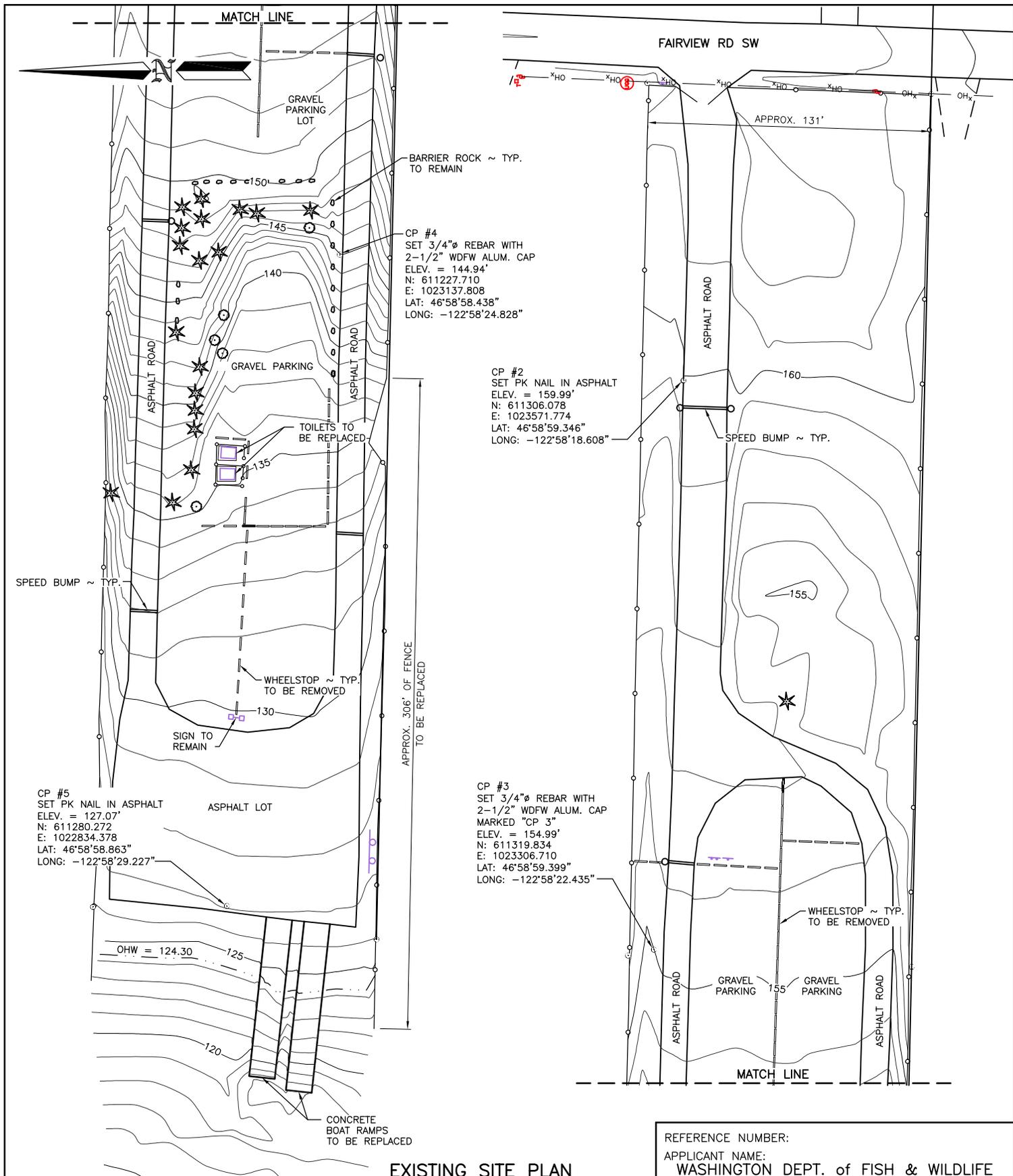
PROJECT LOCATION (ADDRESS):  
 BLACK LAKE ACCESS  
 FAIRVIEW RD SW  
 OLYMPIA, WA

PROPOSED PROJECT:  
 ACCESS RENOVATION

ADJACENT PROPERTY OWNER:

LAT/LONG: 46.9830/-122.9731  
 DATUM: NAVD 88  
 SHEET 1 OF 10 DATE: 4/2/2014

IN: BLACK LAKE  
 NEAR/AT: TUMWATER  
 COUNTY: THURSTON  
 STATE: WA



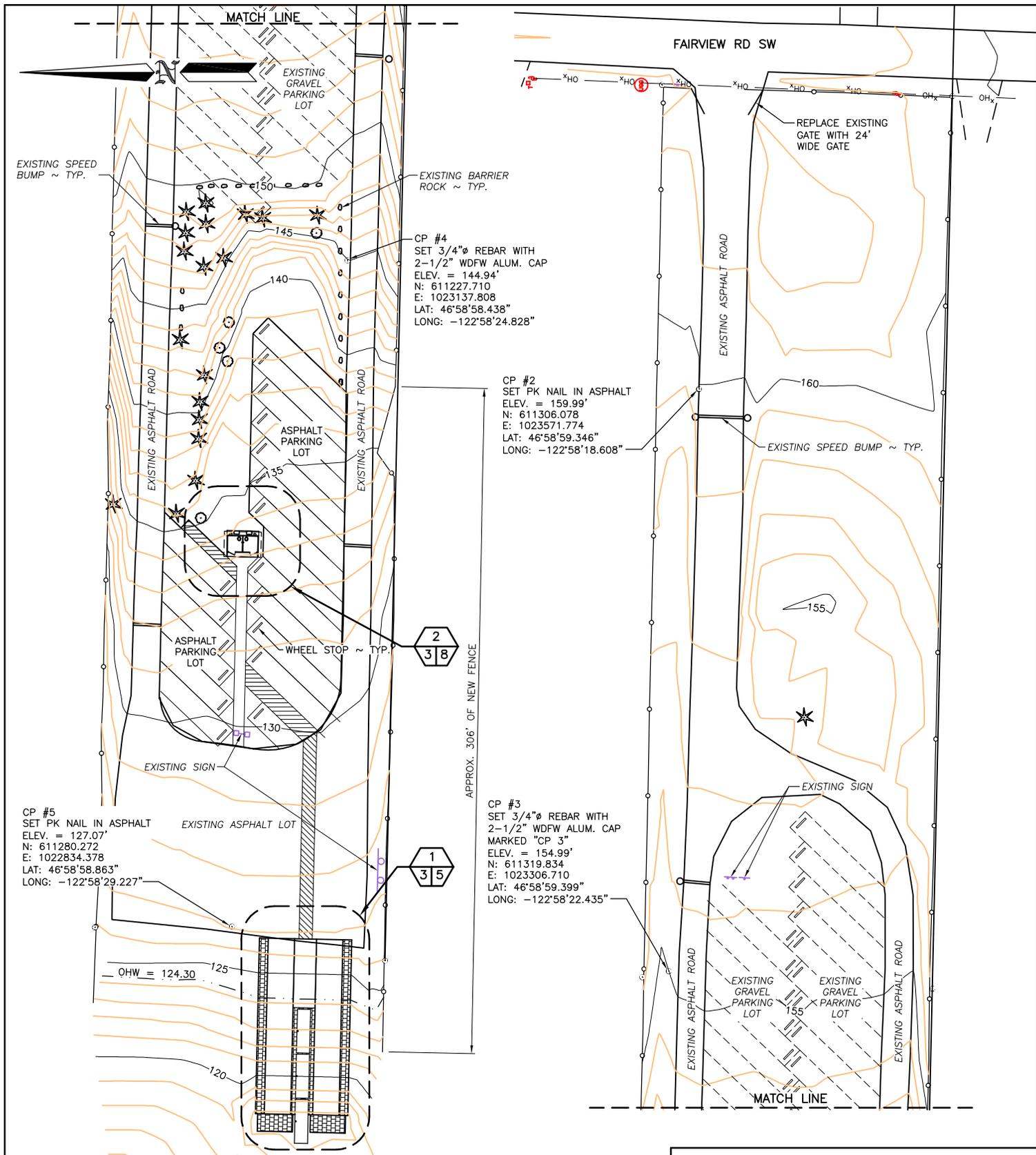
**EXISTING SITE PLAN**

SCALE: 1" = 60'

**NOTE:**

APPROXIMATE DIASTANCE FROM EDGE OF ROAD TO ORDINARY HIGH WATER IS 900'.

REFERENCE NUMBER:  
 APPLICANT NAME:  
**WASHINGTON DEPT. of FISH & WILDLIFE**  
 PROPOSED PROJECT:  
**ACCESS RENOVATION**  
 LOCATION: **BLACK LAKE ACCESS**  
 SHEET 2 OF 10 DATE: 4/2/2014



EXISTING SPEED BUMP ~ TYP.

EXISTING BARRIER ROCK ~ TYP.

CP #4  
 SET 3/4"Ø REBAR WITH  
 2-1/2" WDFW ALUM. CAP  
 ELEV. = 144.94'  
 N: 611227.710  
 E: 1023137.808  
 LAT: 46°58'58.438"  
 LONG: -122°58'24.828"

CP #2  
 SET PK NAIL IN ASPHALT  
 ELEV. = 159.99'  
 N: 611306.078  
 E: 1023571.774  
 LAT: 46°58'59.346"  
 LONG: -122°58'18.608"

CP #3  
 SET 3/4"Ø REBAR WITH  
 2-1/2" WDFW ALUM. CAP  
 MARKED "CP 3"  
 ELEV. = 154.99'  
 N: 611319.834  
 E: 1023306.710  
 LAT: 46°58'59.399"  
 LONG: -122°58'22.435"

CP #5  
 SET PK NAIL IN ASPHALT  
 ELEV. = 127.07'  
 N: 611280.272  
 E: 1022834.378  
 LAT: 46°58'58.863"  
 LONG: -122°58'29.227"

APPROX. 306' OF NEW FENCE

2  
3/8

1  
3/5

FAIRVIEW RD SW

REPLACE EXISTING GATE WITH 24' WIDE GATE

EXISTING SPEED BUMP ~ TYP.

155

EXISTING SIGN

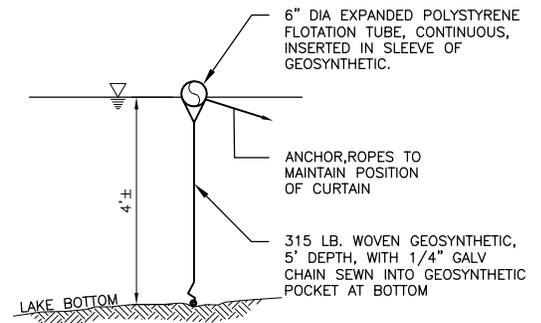
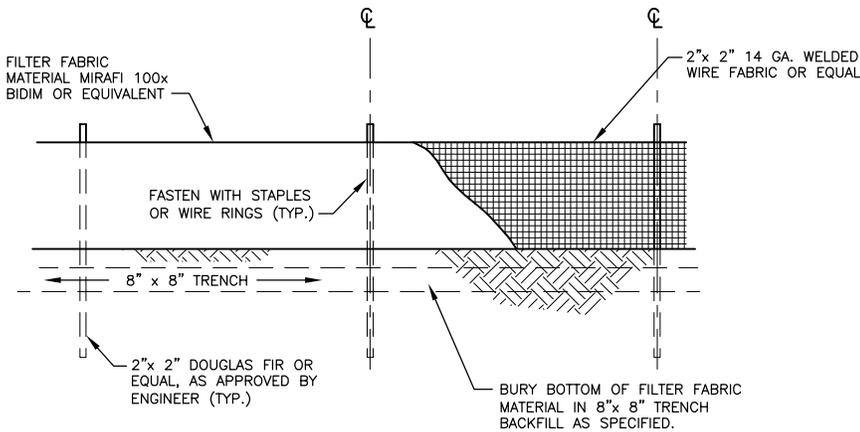
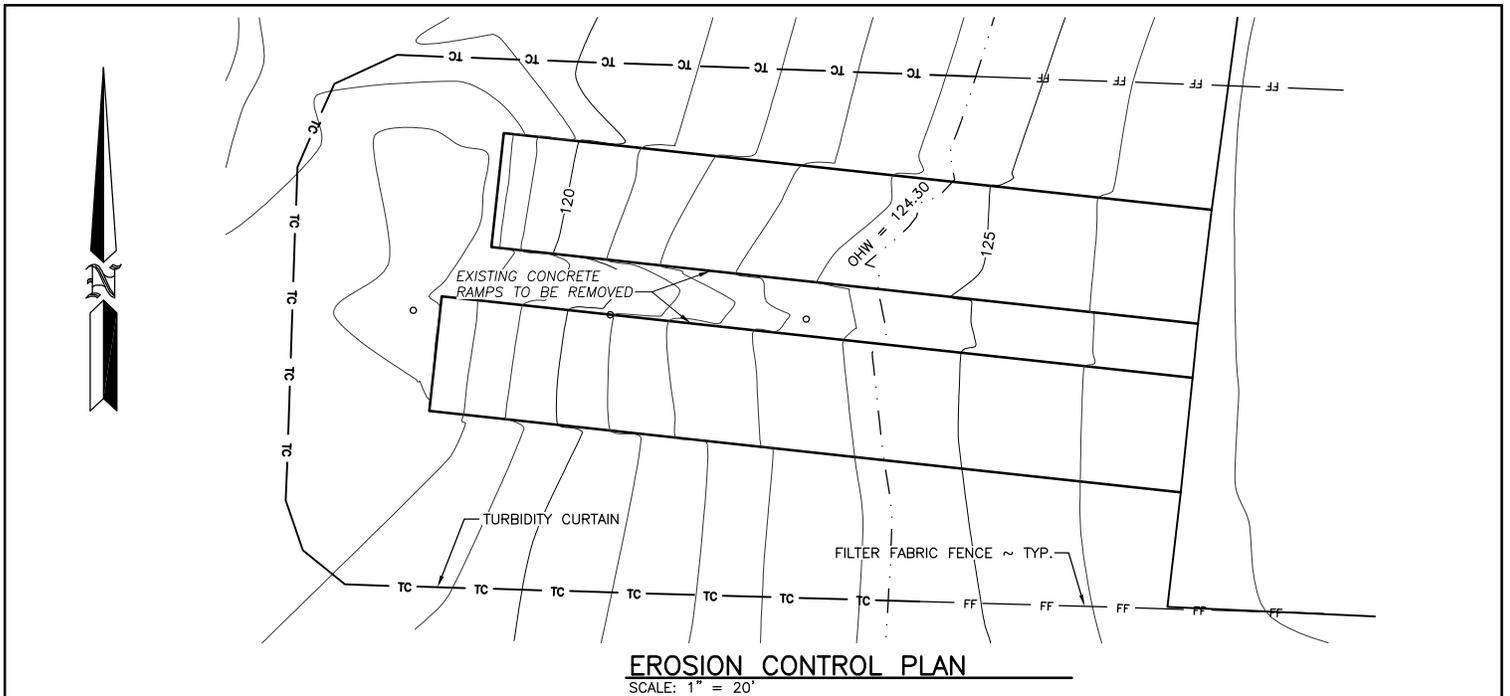
EXISTING GRAVEL PARKING LOT

EXISTING GRAVEL PARKING LOT

MATCH LINE

REFERENCE NUMBER:  
 APPLICANT NAME:  
 WASHINGTON DEPT. of FISH & WILDLIFE  
 PROPOSED PROJECT:  
 ACCESS RENOVATION  
 LOCATION: BLACK LAKE ACCESS  
 SHEET 3 OF 10 DATE: 4/2/2014

**SITE PLAN**  
 SCALE: 1" = 60'



**NOTES:**

1. SILT CURTAIN AVAILABLE FROM NORTHWEST LININGS, KENT, WA.
2. GEOSYNTHETIC SHALL BE PERMEATEX 2315 OR EQUAL.

**TURBIDITY CURTAIN (TC)**  
NOT TO SCALE

**FILTER FABRIC FENCE (FF)**

SCALE: NONE

**FILTER FABRIC NOTES:**

1. FILTER FABRIC SHALL BE PURCHASED CONTINUOUS ROLL CUT TO LENGTH OF BARRIER AS NEEDED. IF JOINTS ARE NECESSARY FABRIC SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POSTS WITH A MINIMUM OF (6) INCH OVERLAP. BOTH ENDS SHALL BE SECURED AS REQUIRED.
2. FILTER FABRIC SHALL BE INSTALLED TO FOLLOW CONTOURS. FENCE POSTS SHALL BE SPACED A MAXIMUM OF EIGHT (8) FEET APART UNLESS OTHERWISE SHOWN HEREIN. ALL POSTS SHALL BE DRIVEN INTO THE GROUND A MINIMUM OF 30 INCHES.
3. A TRENCH SHALL BE EXCAVATED, ROUGHLY EIGHT (8) INCHES WIDE BY EIGHT (8) INCHES DEEP UP SLOPE AND ADJACENT TO THE POST TO ALLOW THE FILTER FABRIC TO BE BURIED.
4. WHEN STANDARD STRENGTH FILTER FABRIC IS UTILIZED, A WIRE SINGLE SPACE MESH SUPPORT FENCE SHALL BE FASTENED TO THE UPSLOPE (OR UPSTREAM) SIDE OF THE POSTS USING ONE (1) INCH MINIMUM LENGTH WIRE STAPLES, TIE WIRE OR APPROVED HOG RINGS. ALL WIRE SUPPORT SHALL EXTEND INTO THE TRENCH A MINIMUM OF FOUR (4) INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE ORIGINAL GRADE.
5. ALL FILTER FABRIC SHALL BE STAPLED OR WIRED TO SUPPORT FENCING AND A MINIMUM OF 20 INCHES OF FABRIC SHALL BE EXTENDED INTO THE TRENCH. FILTER FABRIC SHALL NOT BE STAPLED OR FASTENED TO EXISTING TREES OF STRUCTURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
6. IF HIGH STRENGTH FILTER FABRIC AND CLOSER SPACING ARE USED, THE WIRE SUPPORT FENCING MAY BE ELIMINATED. HIGH STRENGTH FABRIC SHALL BE STAPLED OR WIRED DIRECTLY TO POSTS AS REQUIRED BY THE ENGINEER.
7. CUTOFF TRENCH SHALL BE BACKFILLED WITH 3/4 INCH MINIMUM DIAMETER WASHED GRAVEL OR OTHER SIMILAR SOURCE AS APPROVED BY THE ENGINEER.
8. FILTER FENCING SHALL BE INSTALLED WHERE SHOWN ON THE PLAN, OR AS MARKED IN THE FIELD BY THE ENGINEER, PRIOR TO COMMENCEMENT OF WORK. ALL FENCING SHALL BE INSPECTED DAILY DURING CONSTRUCTION AND AFTER EACH SIGNIFICANT RAINFALL EVENT UNTIL SITE HAS BEEN PERMANENTLY STABILIZED. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
9. REMOVAL OF TRAPPED SEDIMENT SHALL BE PERFORMED WHEN AMOUNTS REACH APPROXIMATELY 1/3 HEIGHT OF THE FENCE.
10. FILTER FENCING SHALL REMAIN IN-PLACE UNTIL SITE HAS BEEN REVEGETATED TO ORIGINAL CONDITION OR DIRECTED BY THE ENGINEER.

REFERENCE NUMBER:

APPLICANT NAME:

WASHINGTON DEPT. of FISH & WILDLIFE

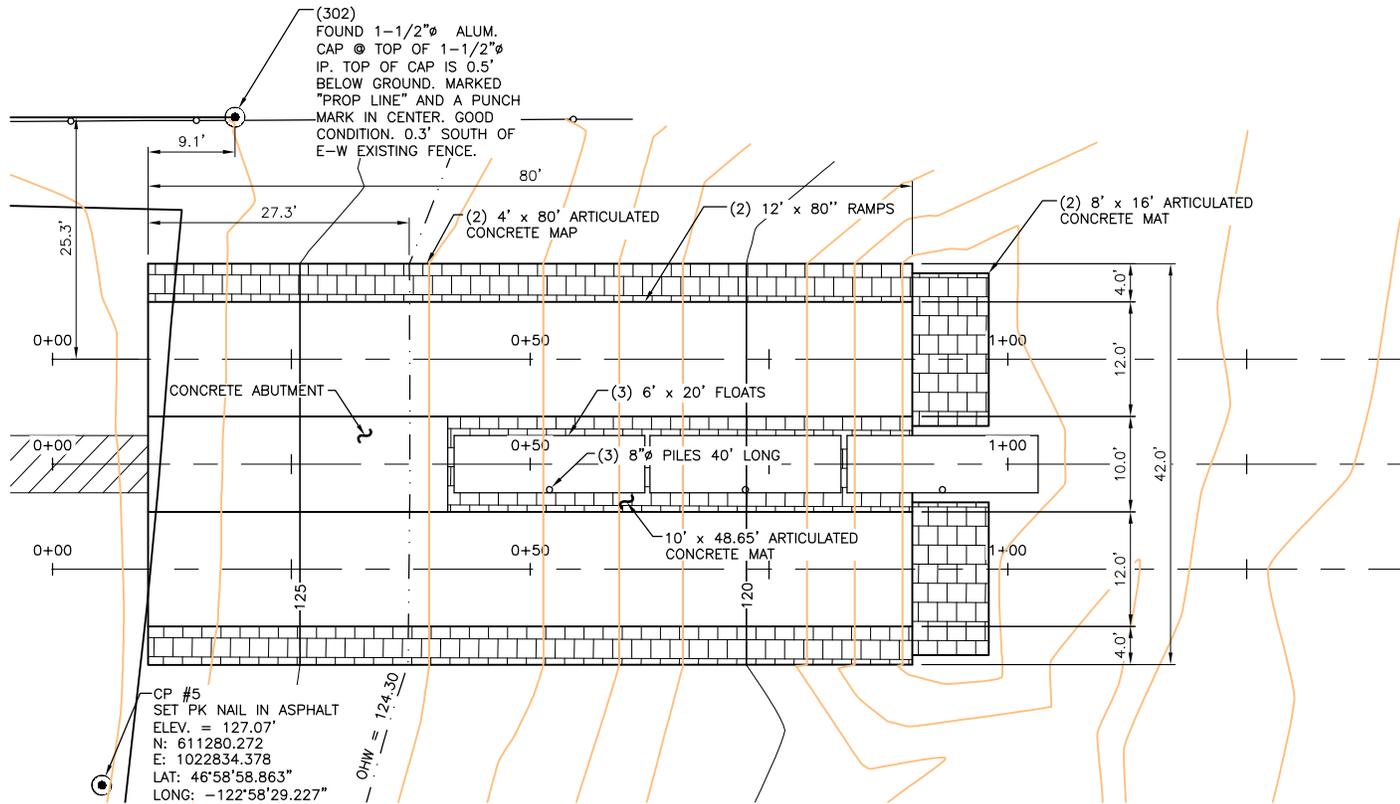
PROPOSED PROJECT:

ACCESS RENOVATION

LOCATION: BLACK LAKE ACCESS

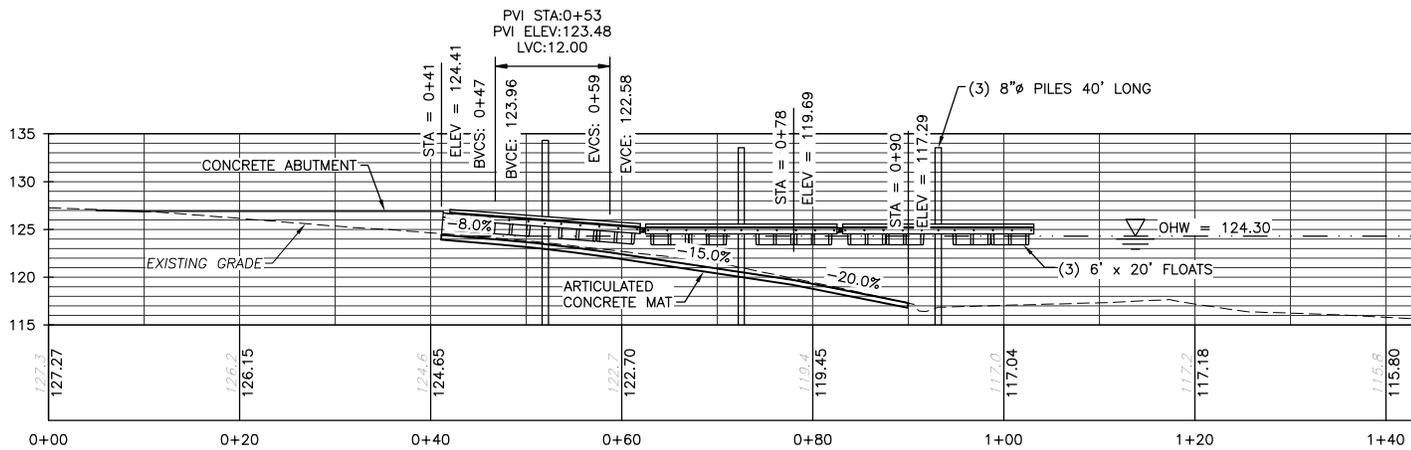
SHEET 4 OF 10

DATE: 4/2/2014



**RAMP & FLOAT PLAN**

SCALE: 1" = 20'

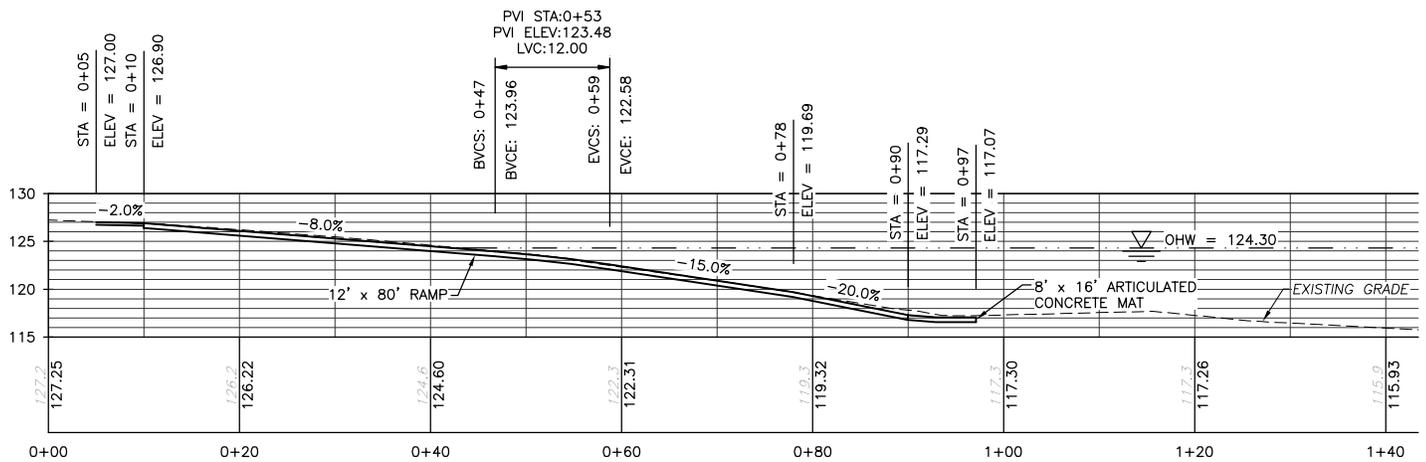


**FLOAT PROFILE**

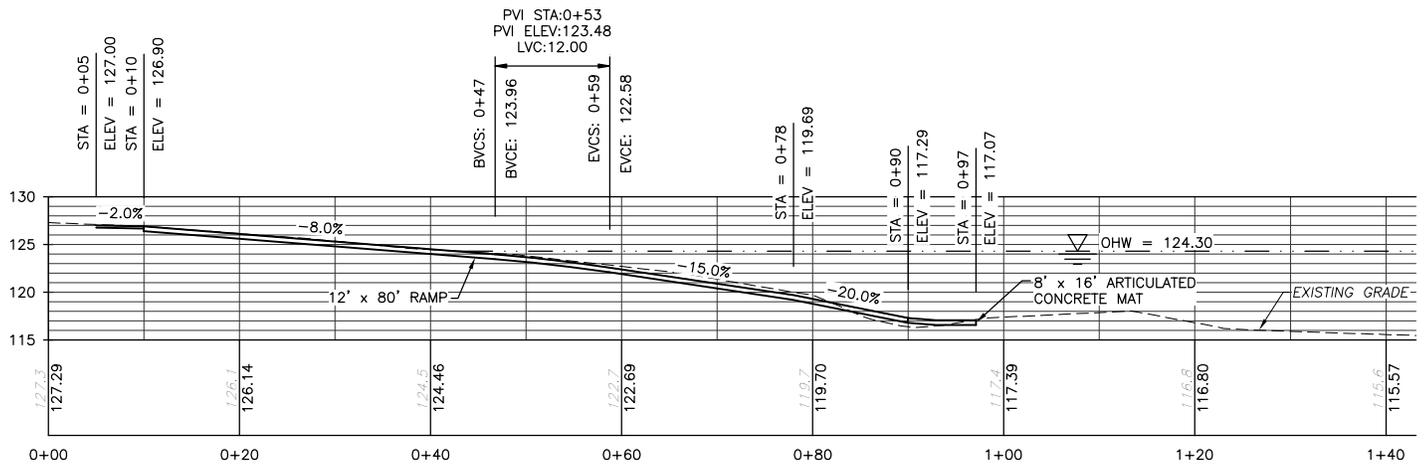
SCALE: 1" = 20'

NEW RAMP QUANTITIES			
CUT/FILL	ABOVE OHW	BELOW OHW	TOTAL
CUT	-26.2 CY	-51.21 CY	-77.41 CY
FILL	25.35 CY	42.9 CY	68.25 CY
NET TOTAL	-0.85 CY	-8.31 CY	-9.16 CY

REFERENCE NUMBER:  
 APPLICANT NAME:  
 WASHINGTON DEPT. of FISH & WILDLIFE  
 PROPOSED PROJECT:  
 ACCESS RENOVATION  
 LOCATION: BLACK LAKE ACCESS  
 SHEET 5 OF 10 DATE: 4/2/2014

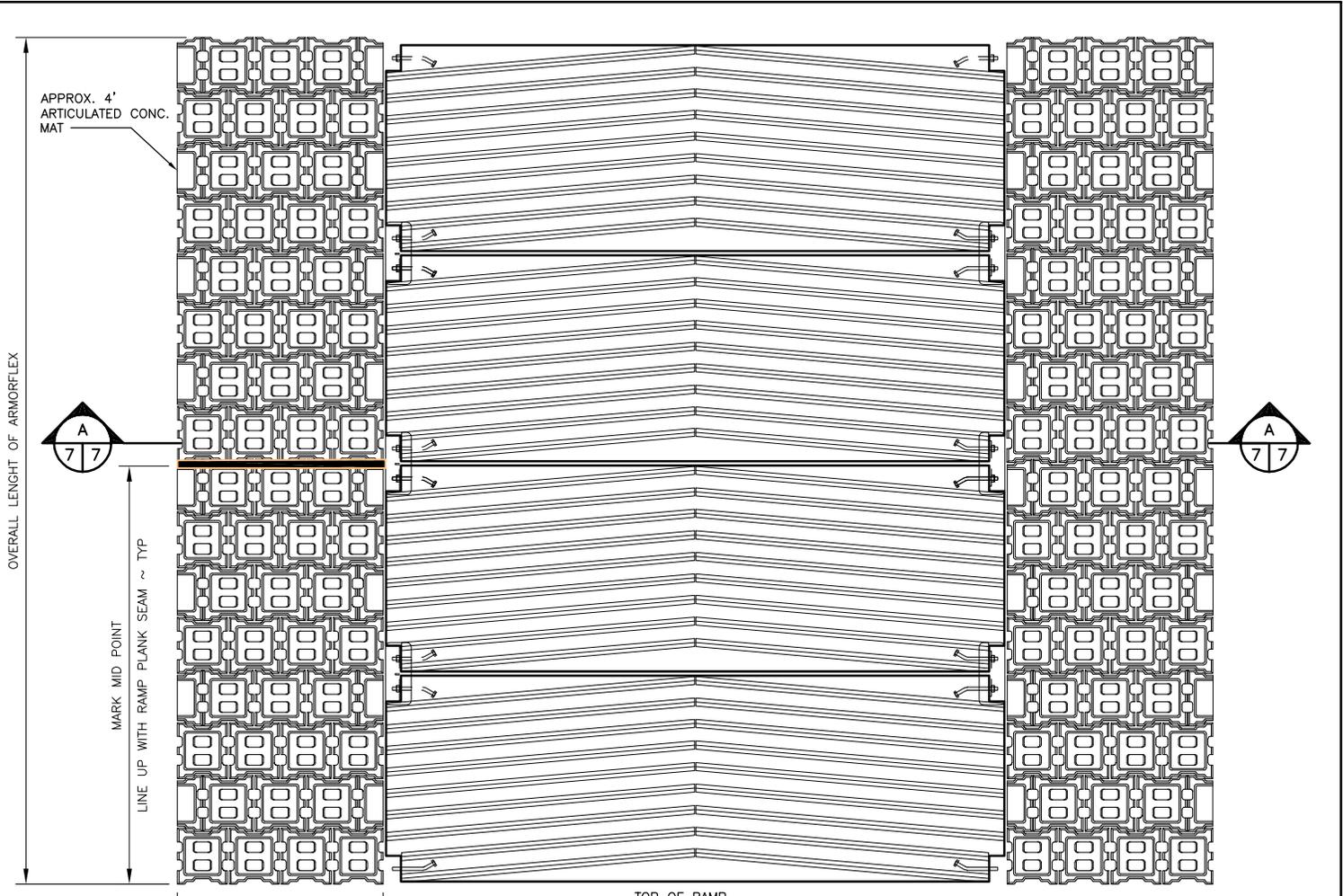


**SOUTH RAMP PROFILE**  
SCALE: 1" = 20'

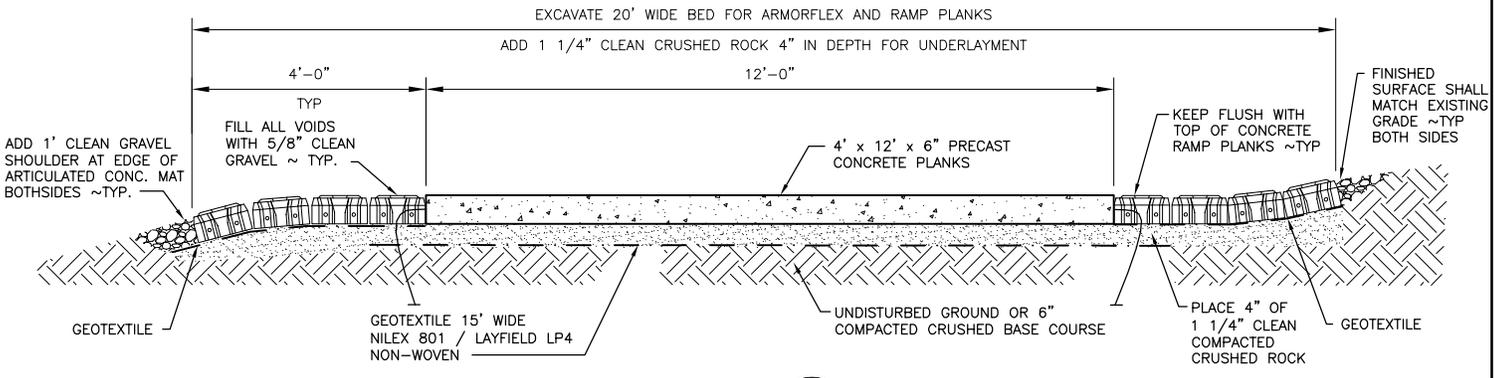


**NORTH RAMP PROFILE**  
SCALE: 1" = 20'

REFERENCE NUMBER:  
 APPLICANT NAME:  
 WASHINGTON DEPT. of FISH & WILDLIFE  
 PROPOSED PROJECT:  
 ACCESS RENOVATION  
 LOCATION: BLACK LAKE ACCESS  
 SHEET 6 OF 10 DATE: 4/2/2014

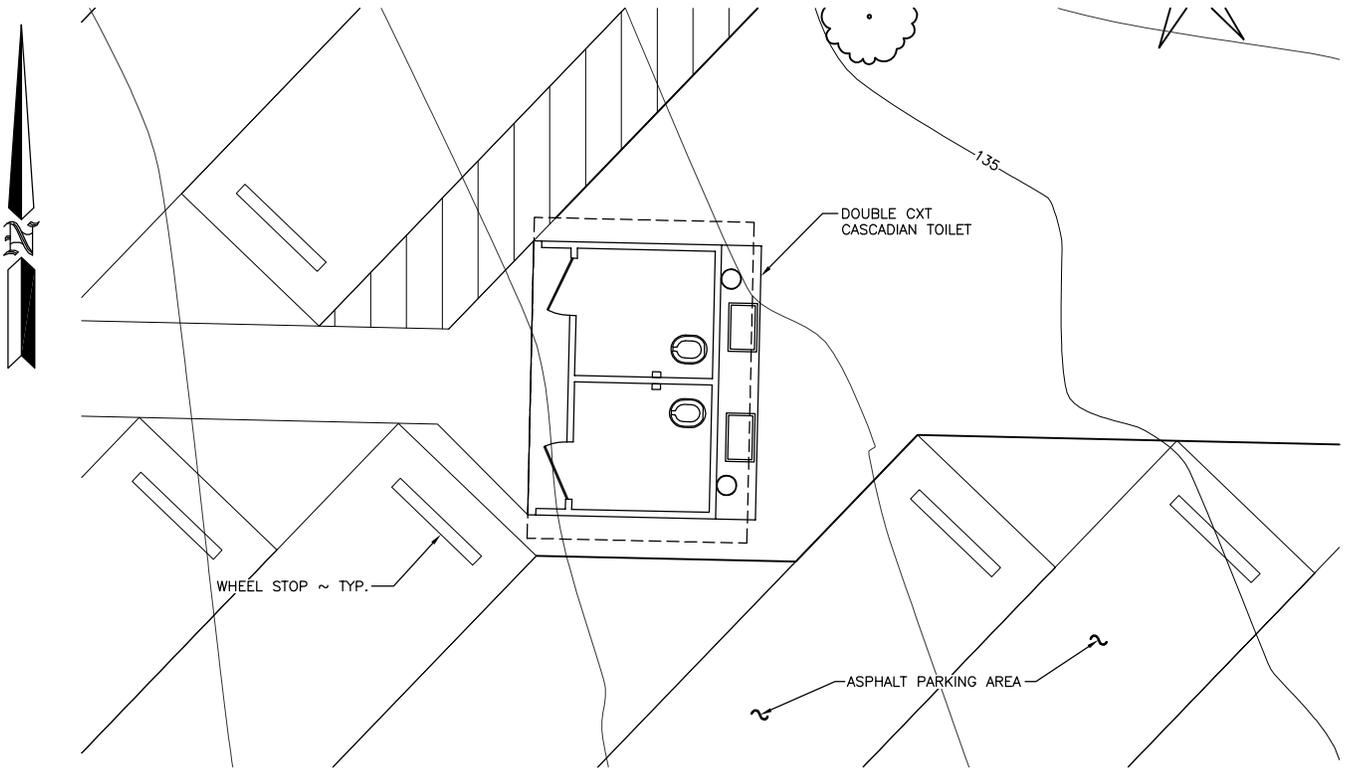


**TYPICAL RAMP PLANK PLAN**  
NOT TO SCALE



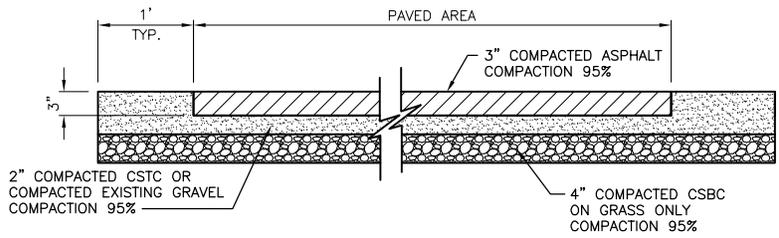
**RAMP PLANK**  
NOT TO SCALE

REFERENCE NUMBER:  
 APPLICANT NAME:  
**WASHINGTON DEPT. of FISH & WILDLIFE**  
 PROPOSED PROJECT:  
**ACCESS RENOVATION**  
 LOCATION: **BLACK LAKE ACCESS**  
 SHEET **7** OF **10** DATE: **4/2/2014**



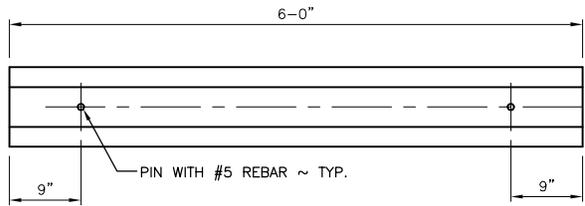
**CXT TOILET PLAN**

SCALE: 1" = 10'



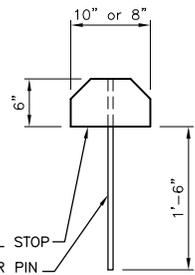
**PAVEMENT SECTION**

NOT TO SCALE



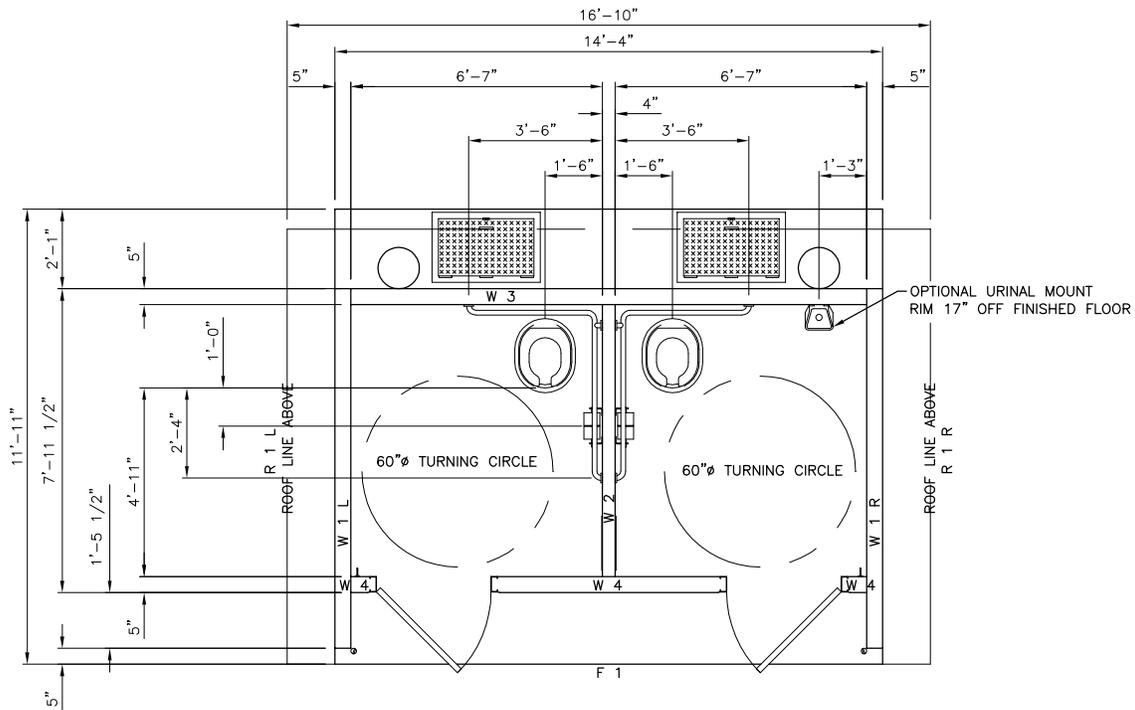
**WHEEL STOP**

NOT TO SCALE

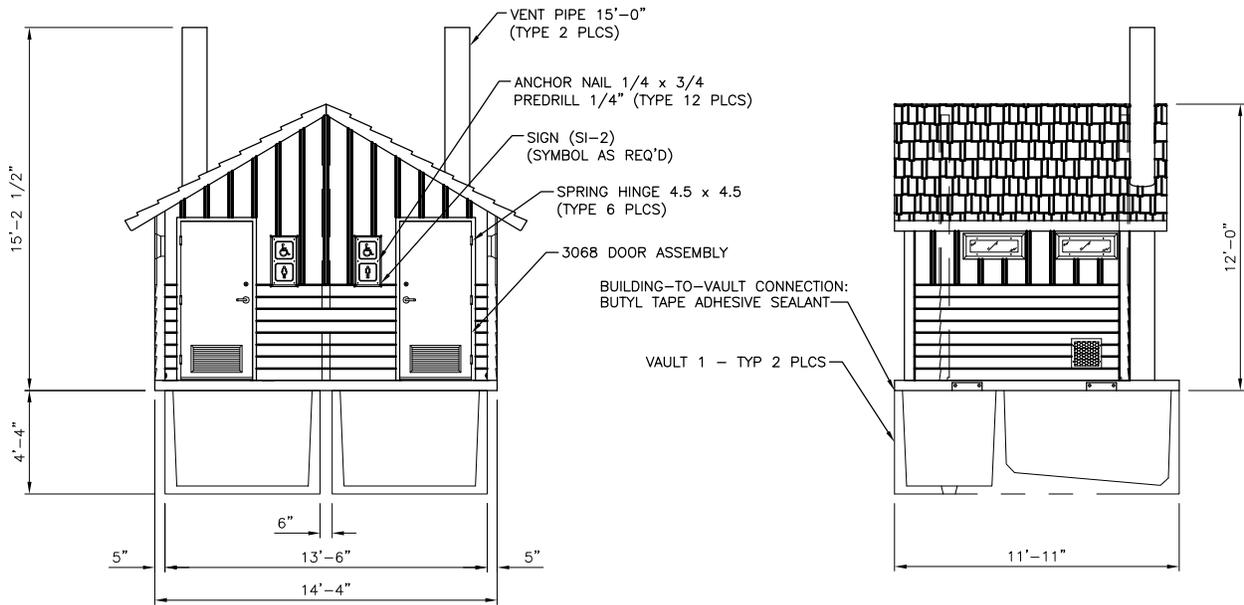


CONCRETE WHEEL STOP  
#5 REBAR PIN

REFERENCE NUMBER:  
 APPLICANT NAME:  
 WASHINGTON DEPT. of FISH & WILDLIFE  
 PROPOSED PROJECT:  
 ACCESS RENOVATION  
 LOCATION: BLACK LAKE ACCESS  
 SHEET 8 OF 10 DATE: 4/2/2014



**CXT CASCADE VAULT TOILET DETAIL**  
 SCALE: 1" = 5'

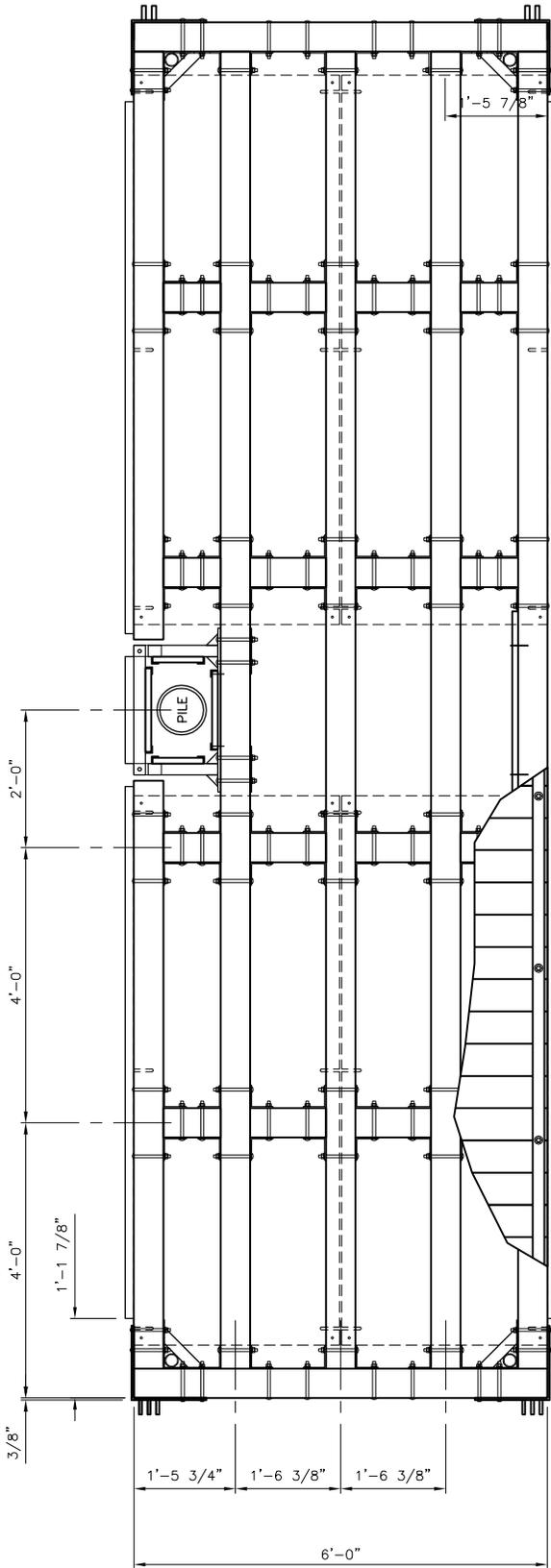


**FRONT ELEVATION**  
 SCALE: 1" = 8'

**SIDE ELEVATION**  
 SCALE: 1" = 8'

REFERENCE NUMBER:  
 APPLICANT NAME:  
 WASHINGTON DEPT. of FISH & WILDLIFE  
 PROPOSED PROJECT:  
 ACCESS RENOVATION  
 LOCATION: BLACK LAKE ACCESS  
 SHEET 9 OF 10 DATE: 4/2/2014

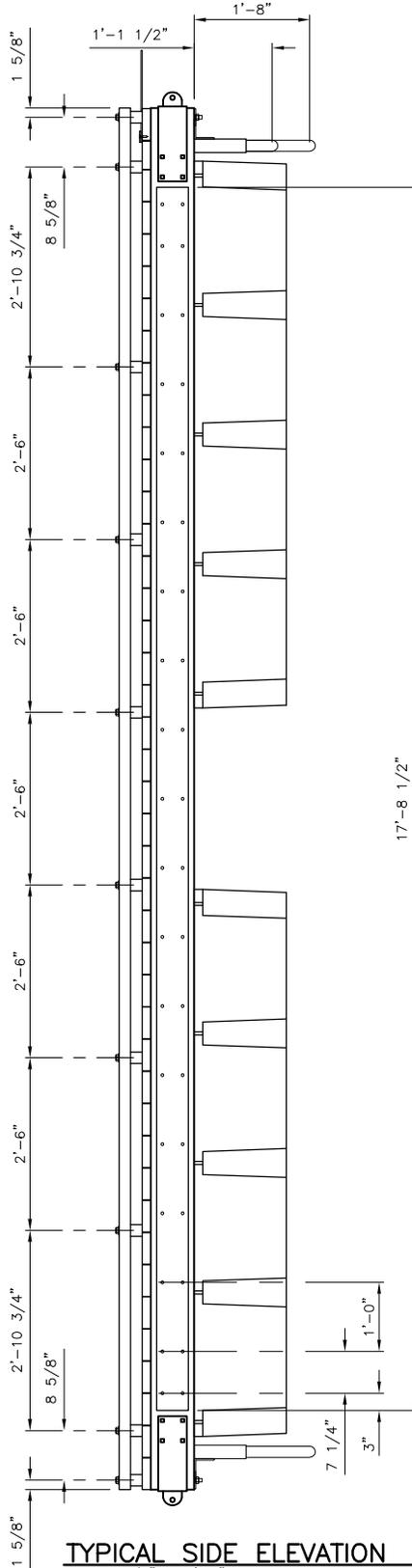
SHORE SIDE



WATER SIDE

PLAN

SCALE: 3/8" = 1'-0"



TYPICAL SIDE ELEVATION

SCALE: 3/8" = 1'-0"

REFERENCE NUMBER:

APPLICANT NAME:

WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

ACCESS RENOVATION

LOCATION: BLACK LAKE ACCESS

SHEET 10 OF 10

DATE: 4/2/2014