



WASHINGTON DEPARTMENT OF
FISH AND WILDLIFE
 ROSES LAKE ACCESS SITE
 REDEVELOPMENT PHASE 2 REBID
 CN:A44:2021-1

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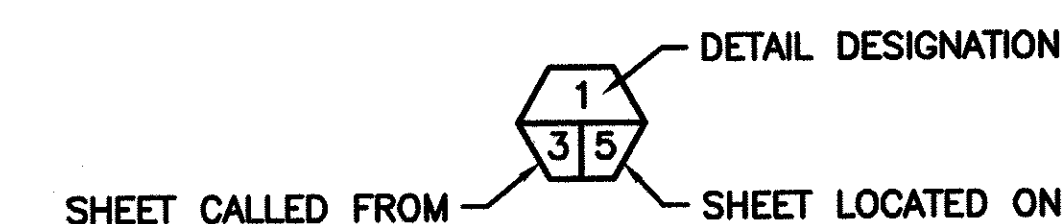
CONSTRUCTION RESPONSIBILITIES

1. WDFW CREW WILL:
 - A. INSTALL PLANTING PER MITIGATION PLAN
2. CONTRACTOR WILL:
 - A. INSTALL EROSION CONTROL BMPs.
 - B. REMOVE EXISTING GUARDRAIL SECTIONS.
 - C. INSTALL NEW GUARDRAIL RETURNS.
 - D. PROVIDE ALL LAYOUT STAKING OF ACCESS PATH AREA AS APPROVED BY ENGINEER.
 - E. INSTALL GANGWAY CONCRETE ABUTMENT.
 - F. INSTALL ULTRA BLOCK FISHING PLATFORM.
 - G. FURNISH AND INSTALL FLOATS.
 - H. FURNISH AND INSTALL GANGWAY.
 - I. FURNISH AND INSTALL PILINGS.
 - J. INSTALL GRAVEL ACCESS PATHS

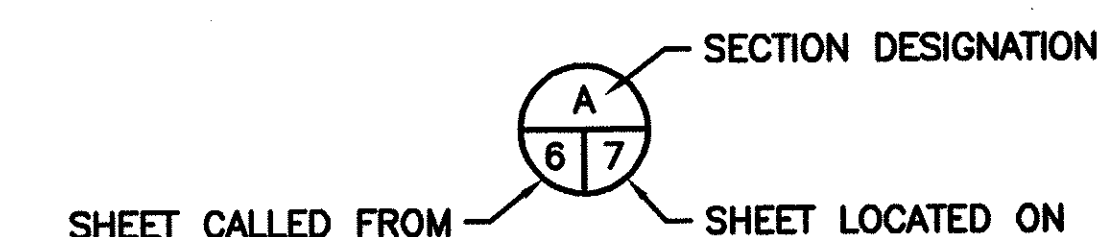
ABBREVIATIONS

ALUM	-	ALUMINUM
L	-	ANGLE
APPROX	-	APPROXIMATELY
BM	-	BENCH MARK
CL	-	CENTERLINE
CMP	-	CORRUGATED METAL PIPE
CLR	-	CLEARANCE
CONC	-	CONCRETE
CSBC	-	CRUSHED SURFACE BASE COURSE
CSTC	-	CRUSHED SURFACE TOP COURSE
DIA	-	DIAMETER
ELEV	-	ELEVATION
FB	-	FLAT BAR
FTG	-	FOOTING
GALV	-	GALVANIZED
ID	-	INSIDE DIAMETER
IE	-	INVERT ELEVATION
MFG	-	MANUFACTURER'S
MISC	-	MISCELLANEOUS
NIC	-	NOT IN CONTRACT
OC	-	ON CENTER
OD	-	OUTSIDE DIAMETER
PL	-	PLATE
REQ'D	-	REQUIRED
SEC	-	SECTION
SPEC'S	-	PROJECT SPECIFICATIONS
SS	-	STAINLESS STEEL
TYP	-	TYPICAL
WS	-	WATER SURFACE

SHEET SYMBOLS



DETAIL



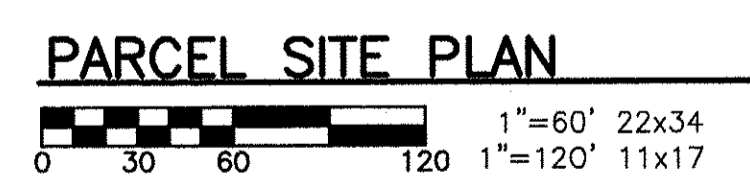
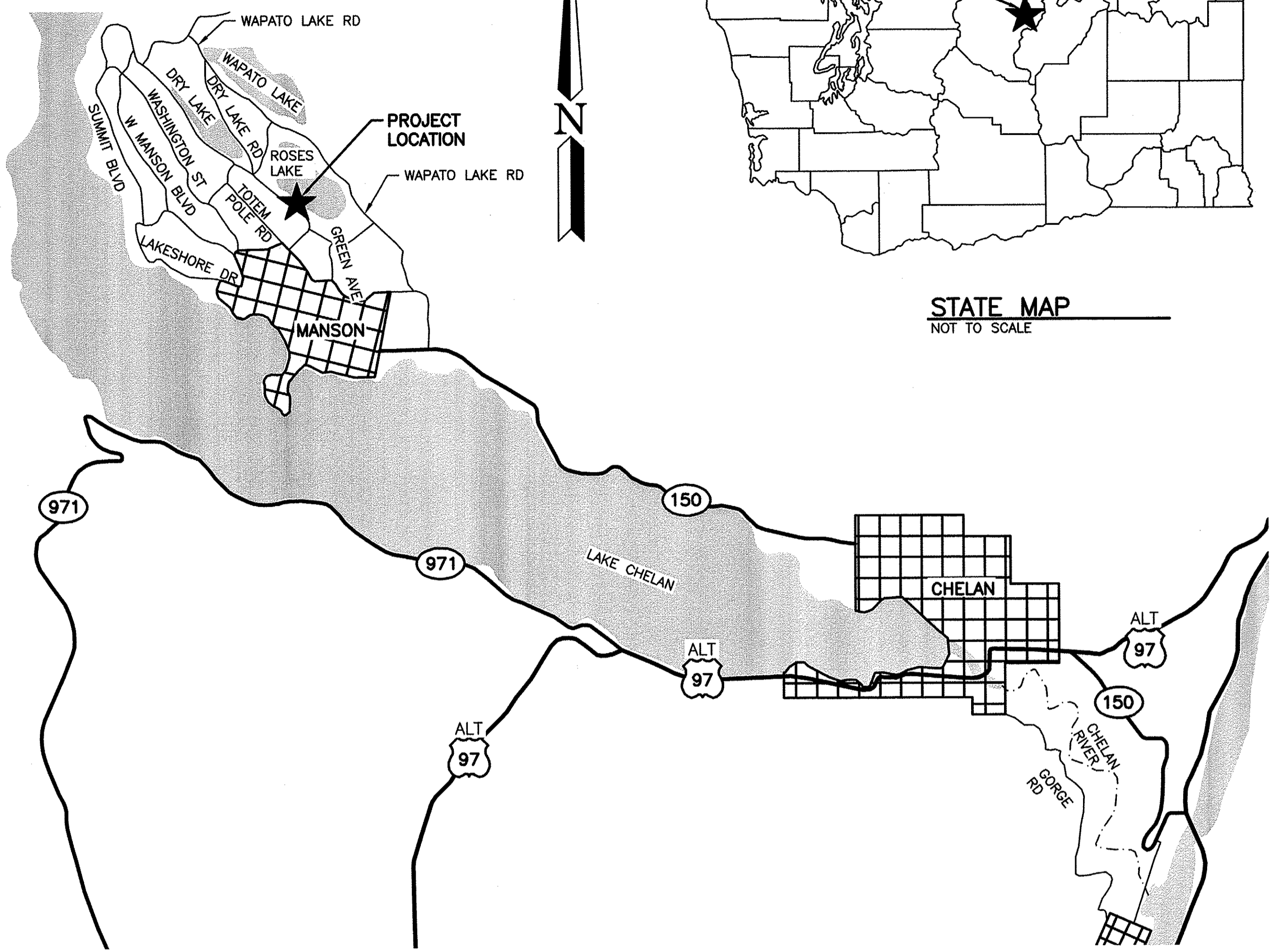
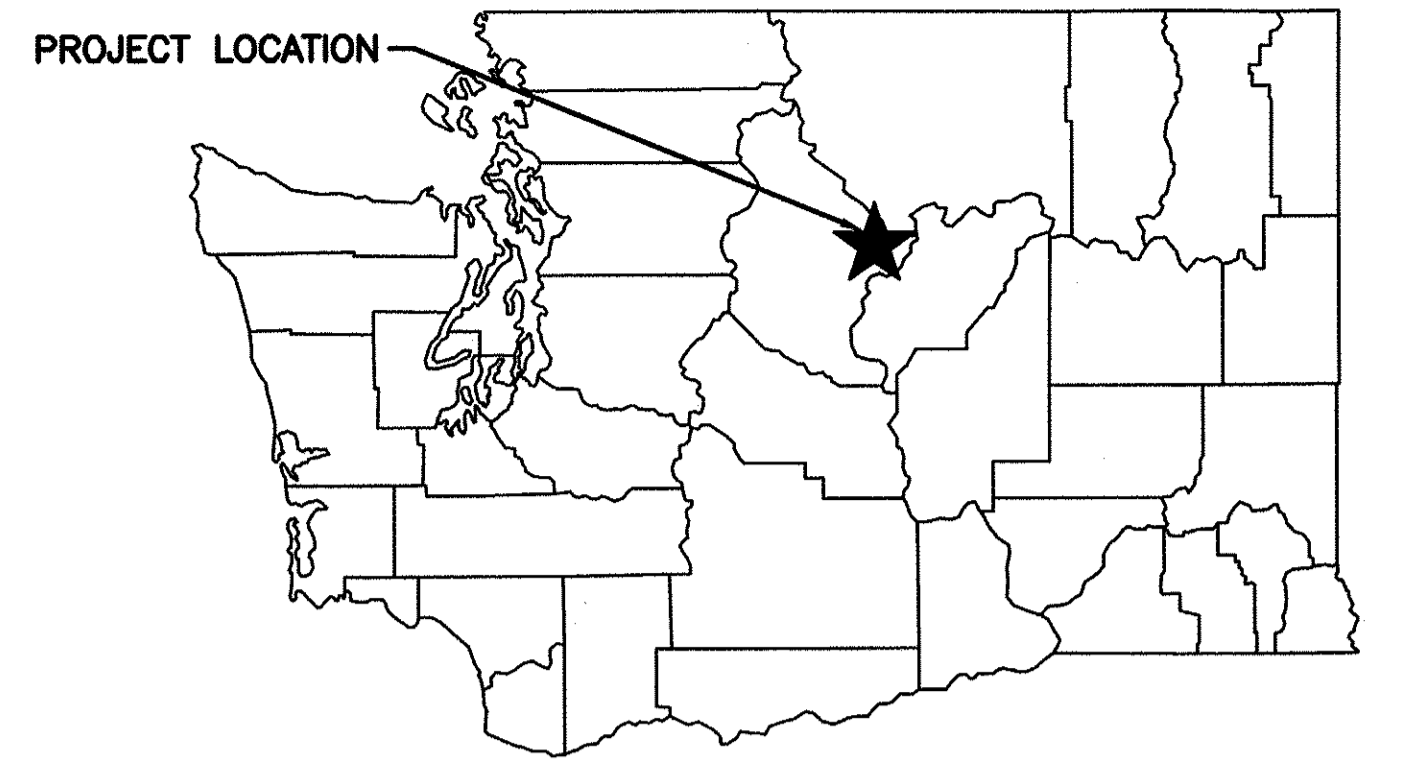
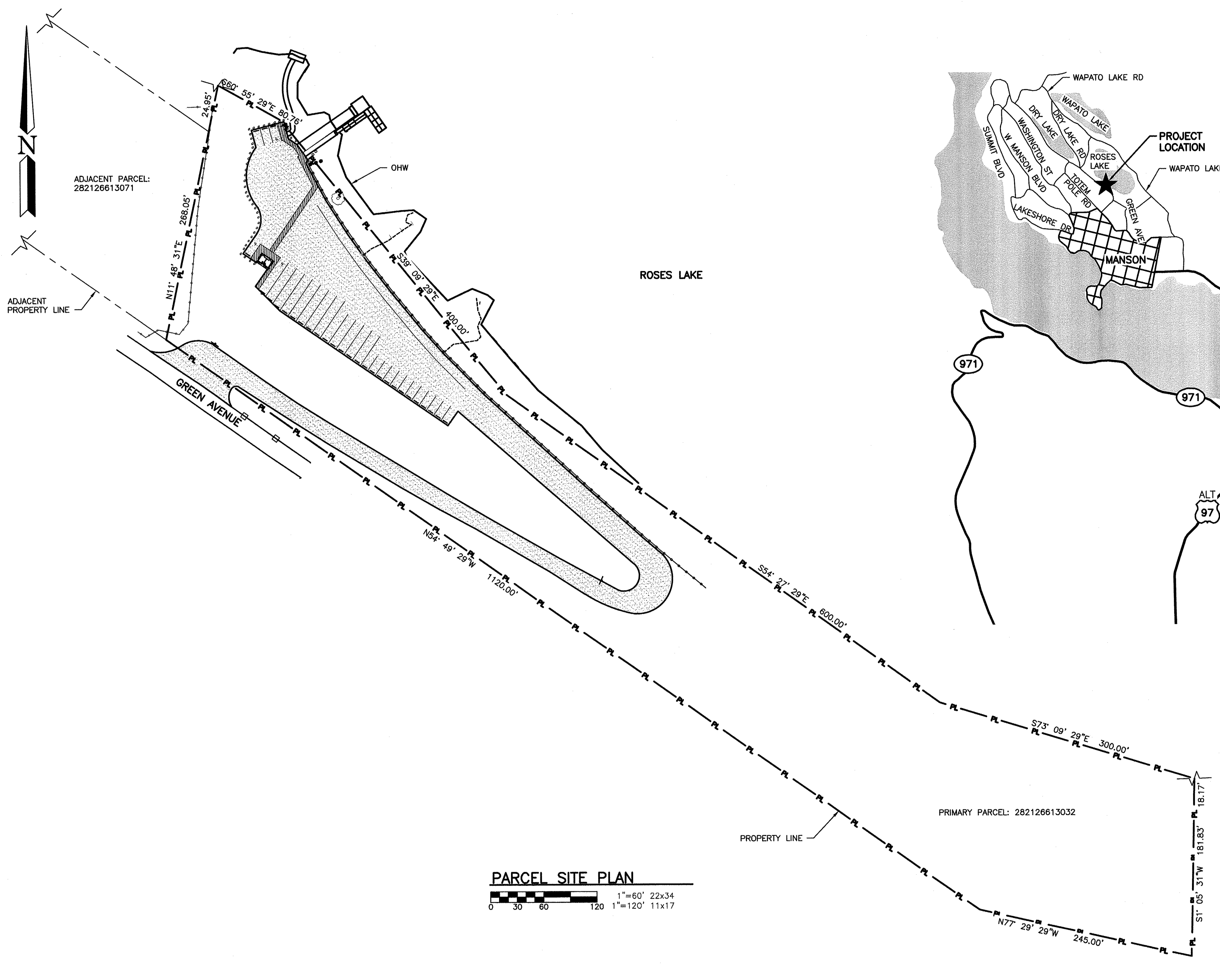
SECTION



NOTE REFERENCE

REFERENCE DESIGNATION TO A NOTE, A PART, OR MATERIAL IN A SCHEDULE/TABLE

PROJECT NO. CN:A44:2021-1	
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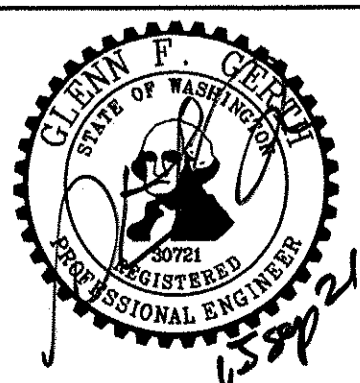


PROPERTY INFORMATION	
ADDRESS:	2620 GREEN AVE MANSON, WA 98831
COUNTY:	CHELAN
PARCEL:	282126613032
PARCEL SIZE:	7.84 ACRES
TOWNSHIP:	T28N
RANGE:	R21E
SECTION:	26

DRIVING DIRECTIONS:

FROM WENATCHEE, TAKE HWY 2/HWY 97 TOWARDS CHELAN. STAY ON HWY 2/HWY 97 FOR ABOUT 39 MILES. JUST AFTER CROSSING THE COLUMBIA RIVER, TURN LEFT ONTO WA-150 TOWARDS CHELAN. IN CHELAN TURN RIGHT ONTO N SANDERS ST, AND TAKE THE NEXT LEFT ONTO E JOHNSON AVE/WA-150. STAY ON WA-150 FOR ABOUT 6 MILES. TURN RIGHT ONTO WAPATO LAKE RD. TURN LEFT ONTO ROSES AVE AND CONTINUE ONTO GREEN AVE. DESTINATION WILL BE ON THE RIGHT.

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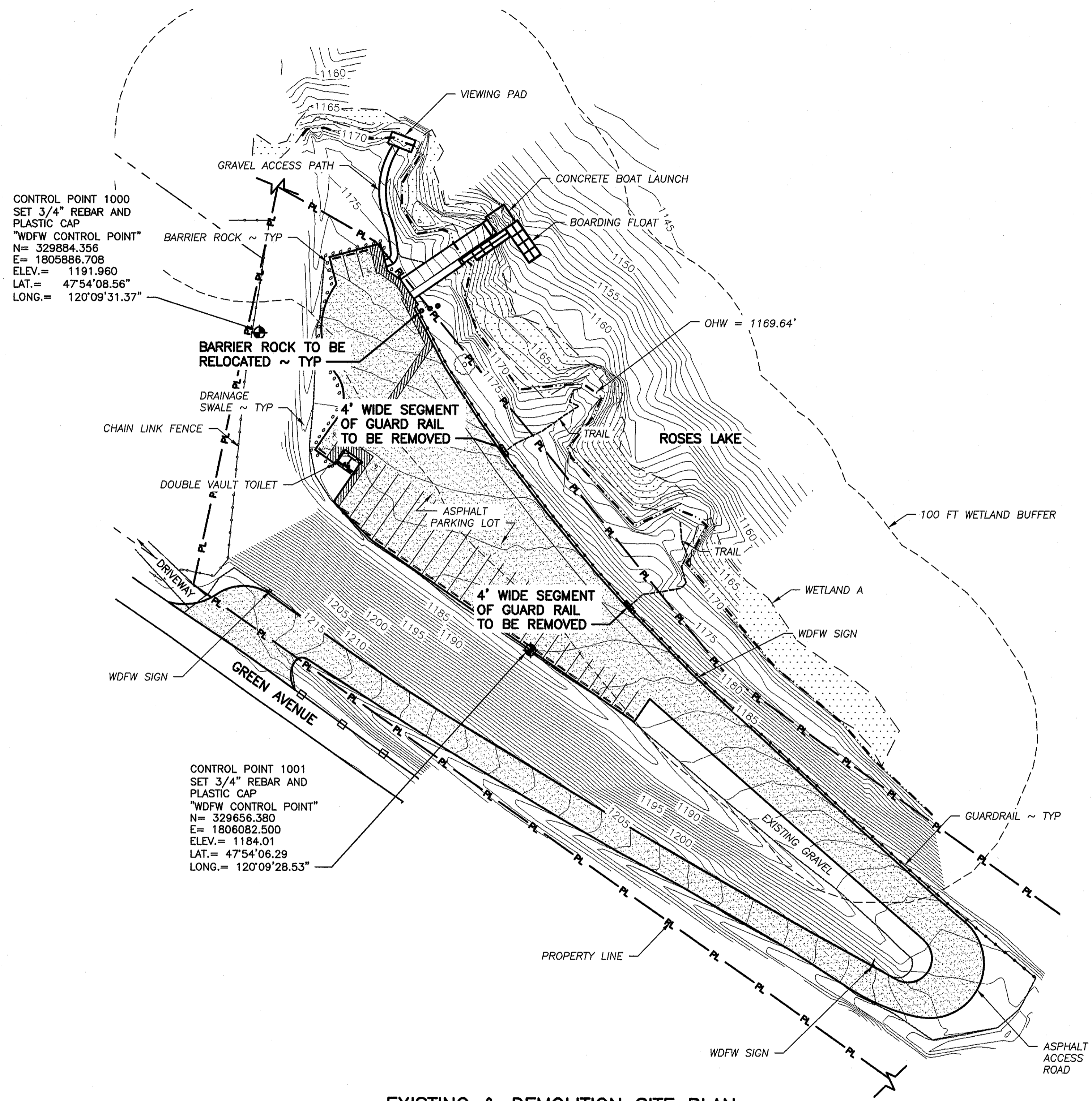


SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	
CHIEF ENGINEER			DATE: 12/5/21
PROGRAM			DATE: 09/15/2021

ROSES LAKE ACCESS SITE
REDEVELOPMENT PHASE 2 REBID
PARCEL SITE PLAN VICINITY & STATE MAPS

PROJECT NO.
CN:A44:2021-1

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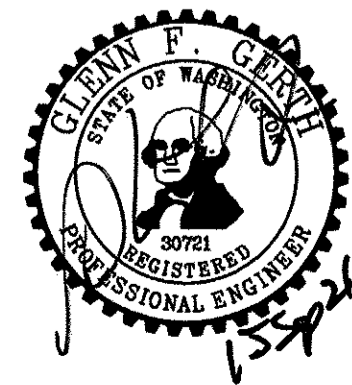


EXISTING & DEMOLITION SITE PLAN



NOTE: PORTIONS OF GUARD RAIL TO BE DISASSEMBLED AS NEEDED FOR EQUIPMENT AND MATERIAL INGRESS & EGRESS. REASSEMBLE GUARD RAIL WITH GAPS & RETURNS PER PROPOSED PLAN AT PROJECT CONCLUSION.

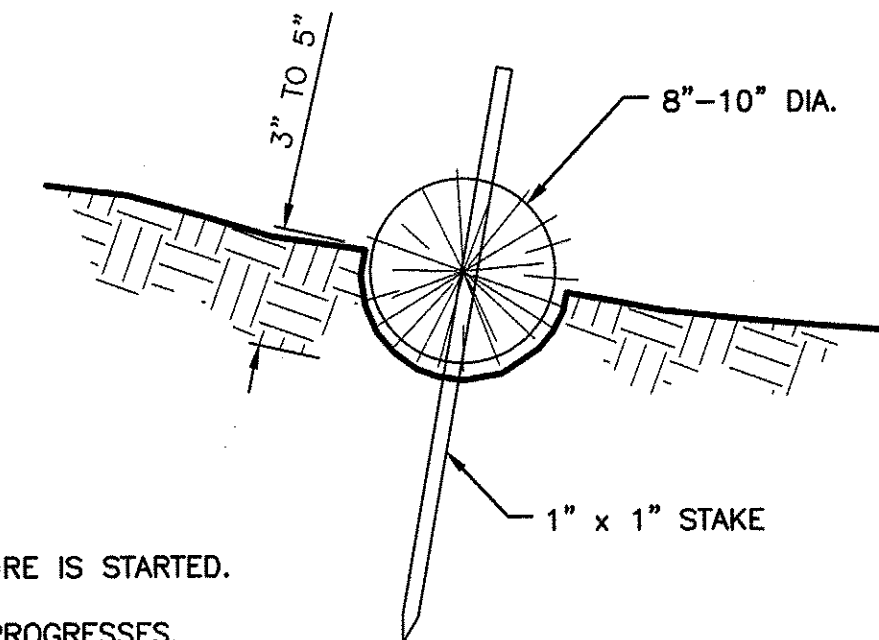
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SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	
CHIEF ENGINEER		<i>[Signature]</i>	DATE: 15 Sep 21
PROGRAM			DATE: 09/15/2021
		DESIGNED BY WDFW	
		CHECKED BY D. SMITH	
		DRAWN BY J. LONG	

ROSES LAKE ACCESS SITE
REDEVELOPMENT PHASE 2 REBID
EXISTING & DEMOLITION SITE PLAN

PROJECT NO.
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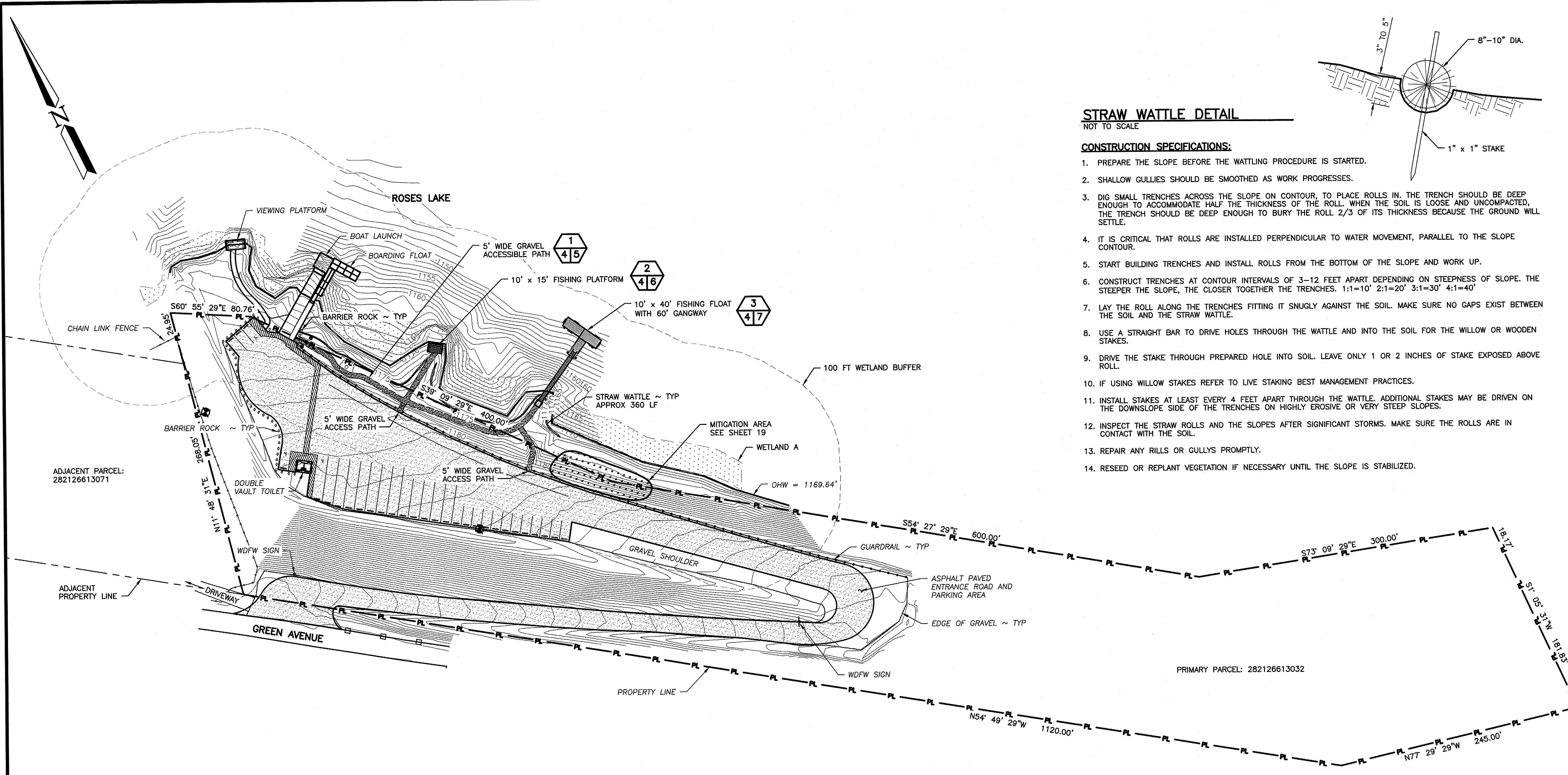


STRAW WATTLE DETAIL

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.



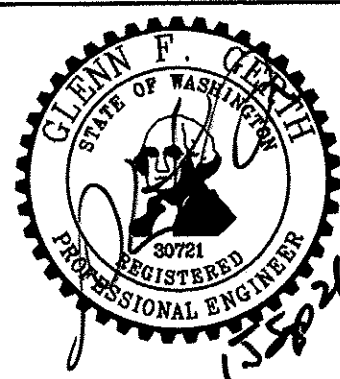
SITE IMPACTS - IMPERVIOUS SURFACES

TOTAL PARCEL SIZE	341510 SF
EXISTING GRAVEL AREAS	7700 SF
EXISTING ASPHALT AREAS	58010 SF
TOTAL EXISTING IMPERVIOUS	65710 SF 19.24%
PROPOSED GRAVEL TRAILS	2055 SF
PROPOSED CONCRETE ABUTMENTS	60 SF
TOTAL PROPOSED IMPERVIOUS	2115 SF 19.86%

NEW SITE PLAN



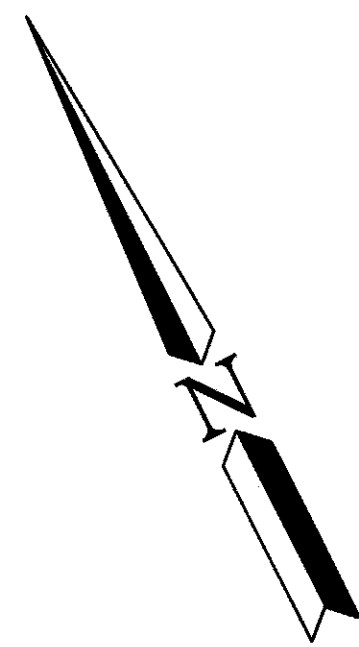
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FISH & WILDLIFE



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		APPROVED AND RELEASED FOR CONSTRUCTION	
CHIEF ENGINEER			DATE: 11/5/21
PROGRAM			DATE: 09/15/2021

ROSES LAKE ACCESS SITE	
REDEVELOPMENT PHASE 2 REBID	
NEW SITE PLAN & EROSION CONTROL DETAIL	

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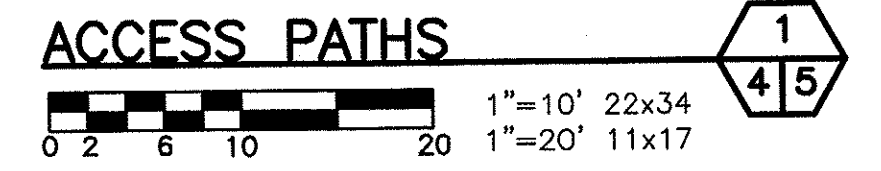
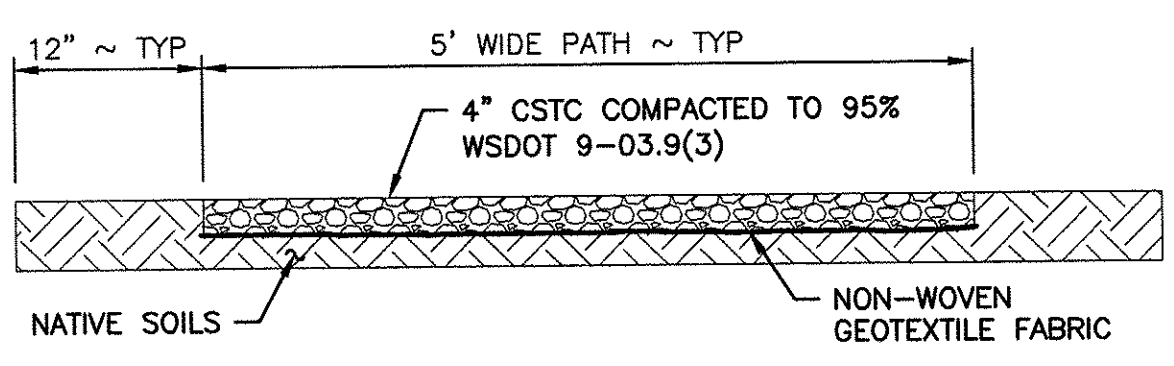
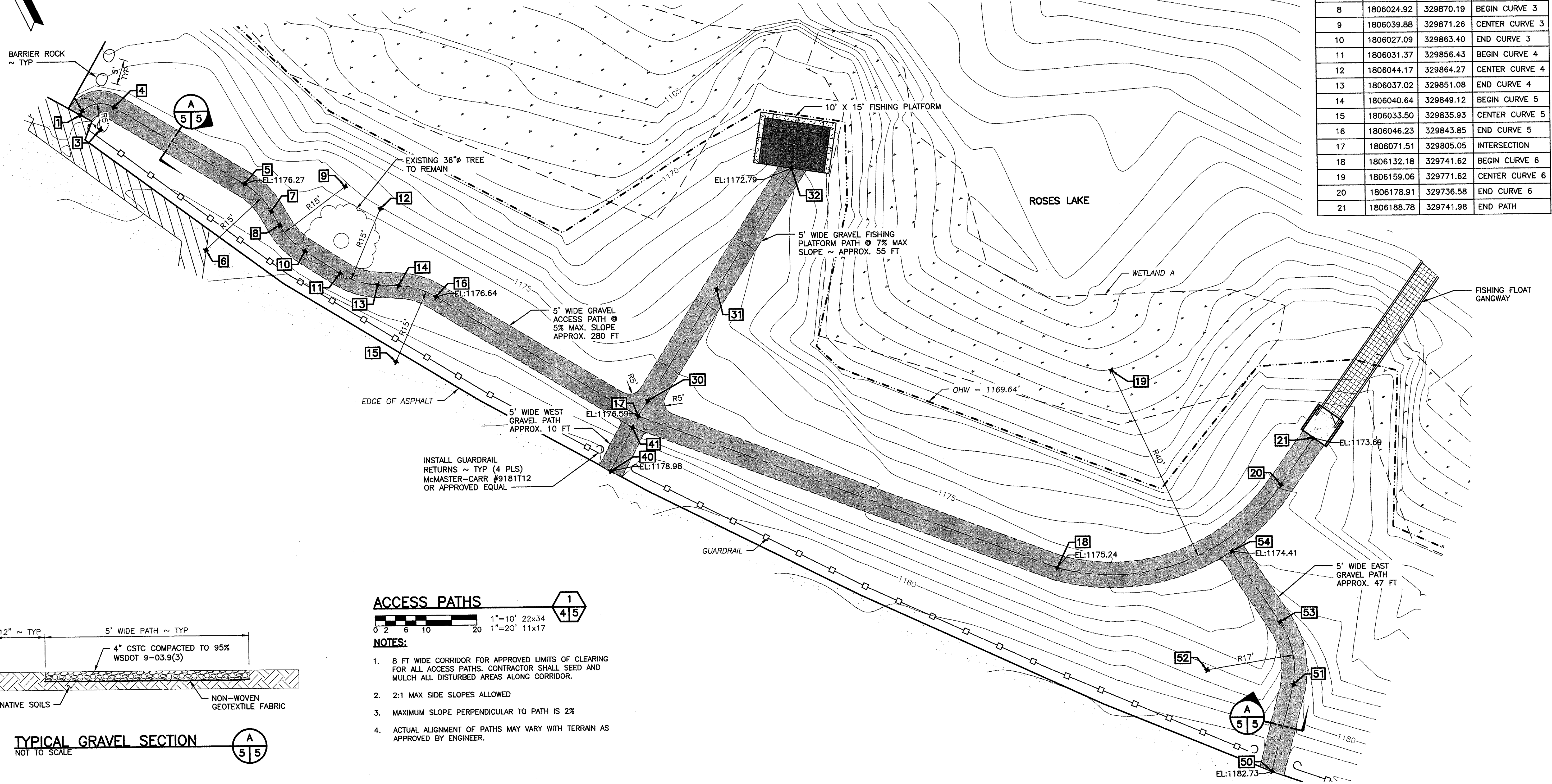


PLATFORM PATH POINTS			
POINT #	EASTING	NORTHING	DESCRIPTION
30	1806074.56	329806.97	BEGIN PATH
31	1806096.48	329820.59	MID PATH
32	1806120.27	329835.34	END PATH

WEST PATH POINTS			
POINT #	EASTING	NORTHING	DESCRIPTION
40	1806061.79	329797.78	START PATH
41	1806069.48	329803.58	END PATH

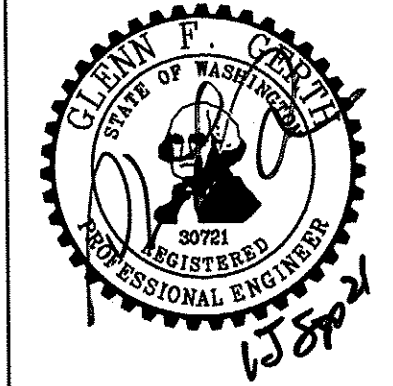
EAST PATH POINTS			
POINT #	EASTING	NORTHING	DESCRIPTION
50	1806152.23	329686.96	START PATH
51	1806163.61	329700.29	BEGIN CURVE
52	1806149.61	329710.41	CENTER CURVE
53	1806166.71	329712.50	END CURVE
54	1806164.43	329729.18	END PATH

ACCESS PATH POINTS			
POINT #	EASTING	NORTHING	DESCRIPTION
1	1805999.36	329907.16	START PATH
2	1806000.04	329907.66	BEGIN CURVE 1
3	1806001.65	329902.84	CENTER CURVE 1
4	1806005.95	329905.56	END CURVE 1
5	1806022.29	329880.52	BEGIN CURVE 2
6	1806009.73	329872.32	CENTER CURVE 2
7	1806024.69	329873.40	END CURVE 2
8	1806024.92	329870.19	BEGIN CURVE 3
9	1806039.88	329871.26	CENTER CURVE 3
10	1806027.09	329863.40	END CURVE 3
11	1806031.37	329856.43	BEGIN CURVE 4
12	1806044.17	329864.27	CENTER CURVE 4
13	1806037.02	329851.08	END CURVE 4
14	1806040.64	329849.12	BEGIN CURVE 5
15	1806033.50	329835.93	CENTER CURVE 5
16	1806046.23	329843.85	END CURVE 5
17	1806071.51	329805.05	INTERSECTION
18	1806132.18	329741.62	BEGIN CURVE 6
19	1806159.06	329771.62	CENTER CURVE 6
20	1806178.91	329736.58	END CURVE 6
21	1806188.78	329741.98	END PATH



- NOTES:**
- 8 FT WIDE CORRIDOR FOR APPROVED LIMITS OF CLEARING FOR ALL ACCESS PATHS. CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS ALONG CORRIDOR.
 - 2:1 MAX SIDE SLOPES ALLOWED
 - MAXIMUM SLOPE PERPENDICULAR TO PATH IS 2%
 - ACTUAL ALIGNMENT OF PATHS MAY VARY WITH TERRAIN AS APPROVED BY ENGINEER.

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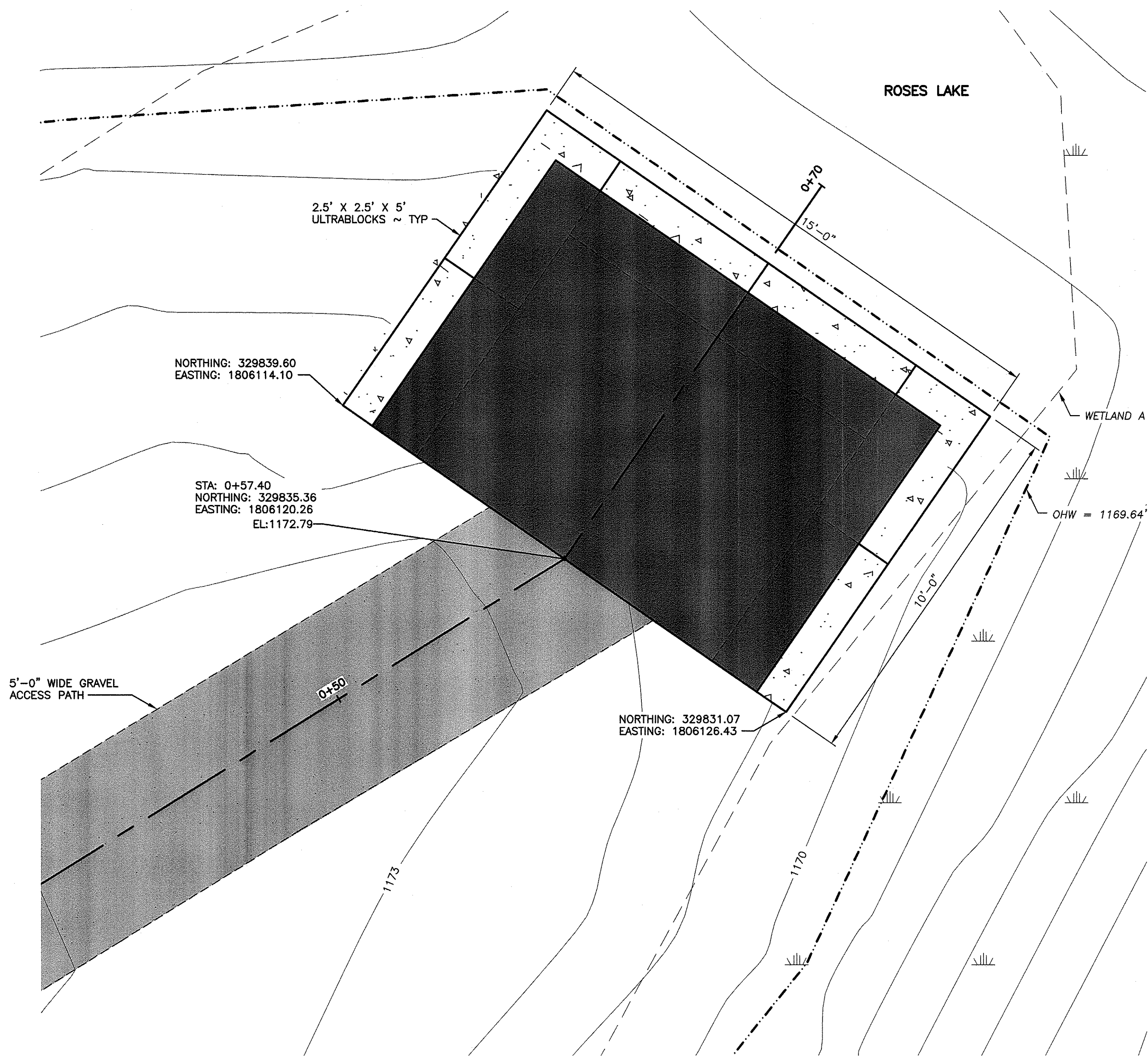


SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	
CHIEF ENGINEER			DATE: 10/5/21
PROGRAM			DATE: 09/15/2021

ROSES LAKE ACCESS SITE
REDEVELOPMENT PHASE 2 REBID
ACCESS PATHS PLAN

PROJECT NO.
CN:A44:2021-1

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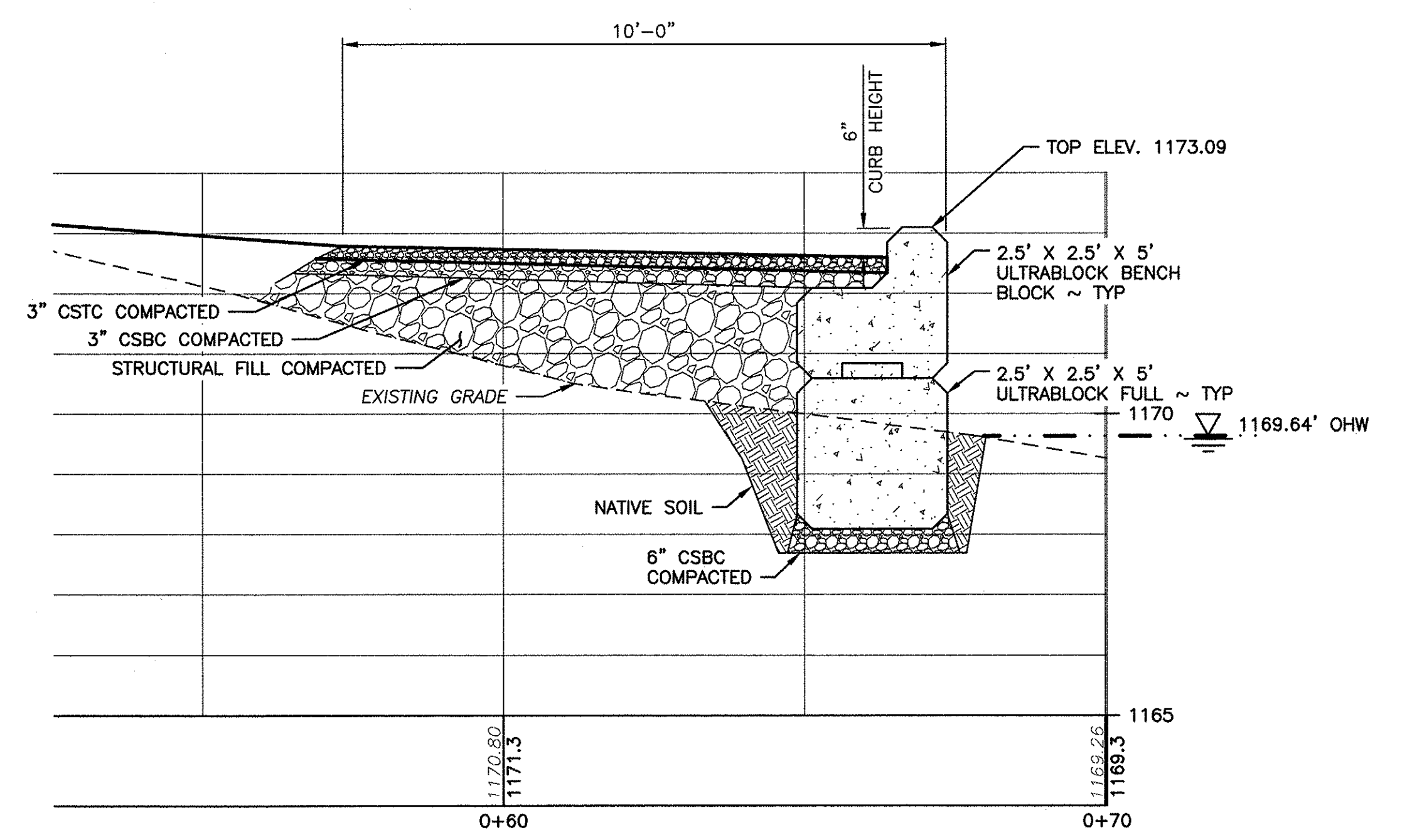


FISHING PLATFORM PLAN
 1"=2' 22x34
 1"=4' 11x17

PLATFORM CUT & FILL DATA cu.yd.		
MATERIAL	CUT ABOVE OHW	FILL ABOVE OHW
CONCRETE ULTRABLOCK	-	4.44
GRAVEL CSTC	-	2.14
GRAVEL CSBC	-	1.22
STRUCTURAL FILL	-	6.50
NATIVE SOIL	6.75	-
TOTAL CUT/FILL	6.75	14.30

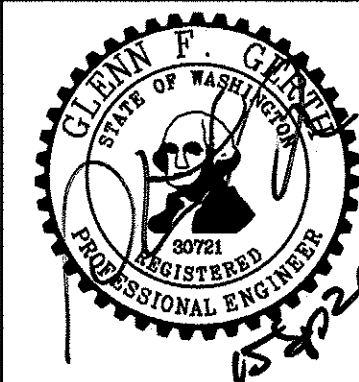
ULTRA BLOCK SCHEDULE			
MATERIAL	SIZE	LBS	QTY
FULL	2.5' X 2.5' X 5'	4320	5
HALF	2.5' X 2.5' X 2.5'	2160	2
RIGHT CORNER BENCH	2.5' X 2.5' X 5'	3500	1
LEFT CORNER BENCH	2.5' X 2.5' X 5'	3500	1
FULL BENCH	2.5' X 2.5' X 5'	3400	2

FISHING PLATFORM
 PROPOSED FISHING PLATFORM FOOTPRINT: 150 SQ.FT.



FISHING PLATFORM PROFILE
 1"=2' 22x34
 1"=4' 11x17

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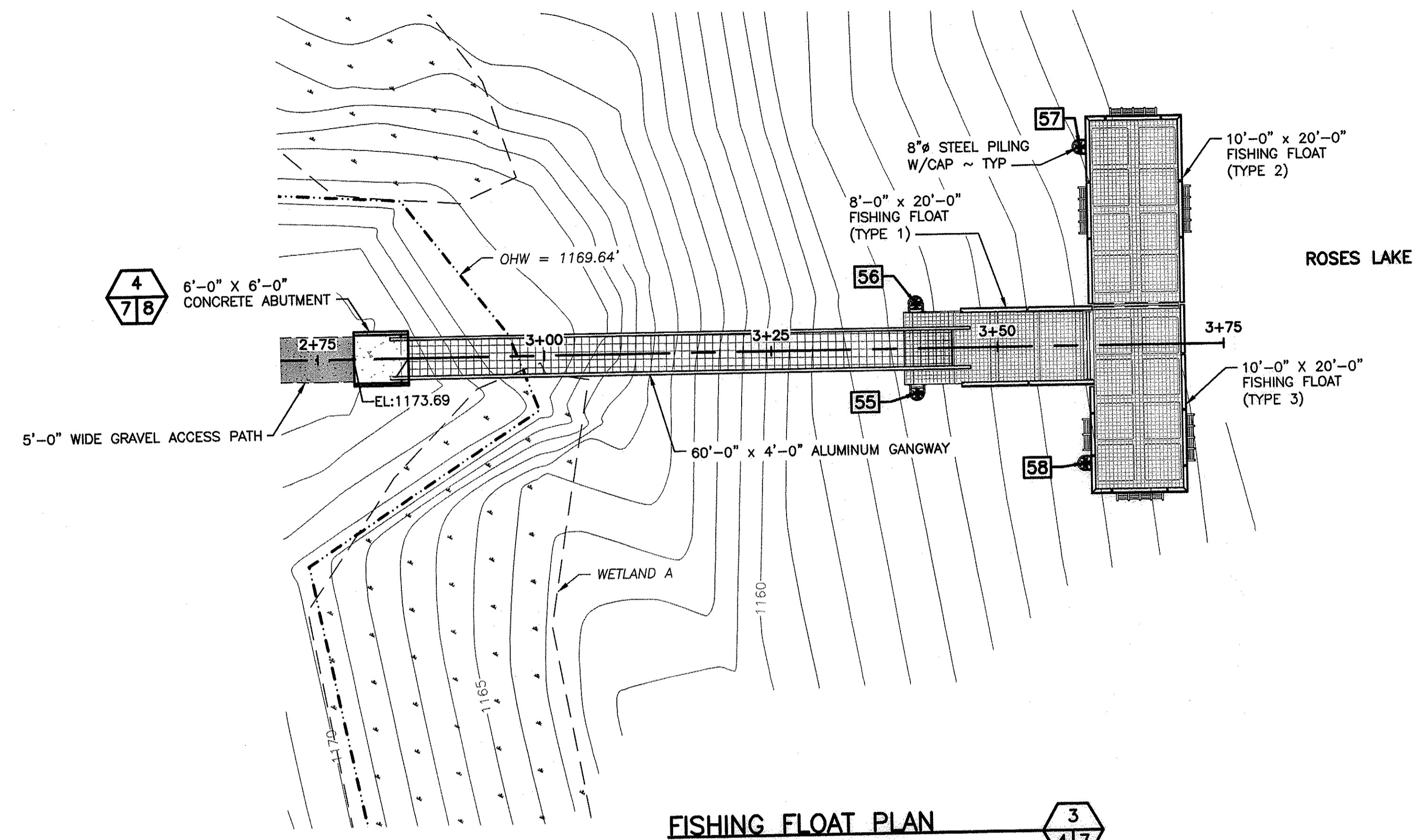
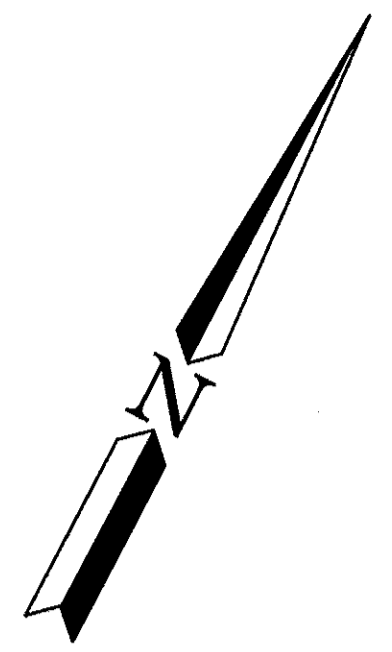


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DESIGNED BY WDFW
 CHECKED BY D. SMITH
 DRAWN BY J. LONG
 DATE 09/15/2021

ROSES LAKE ACCESS SITE
REDEVELOPMENT PHASE 2 REBID
 FISHING PLATFORM PLAN & PROFILE

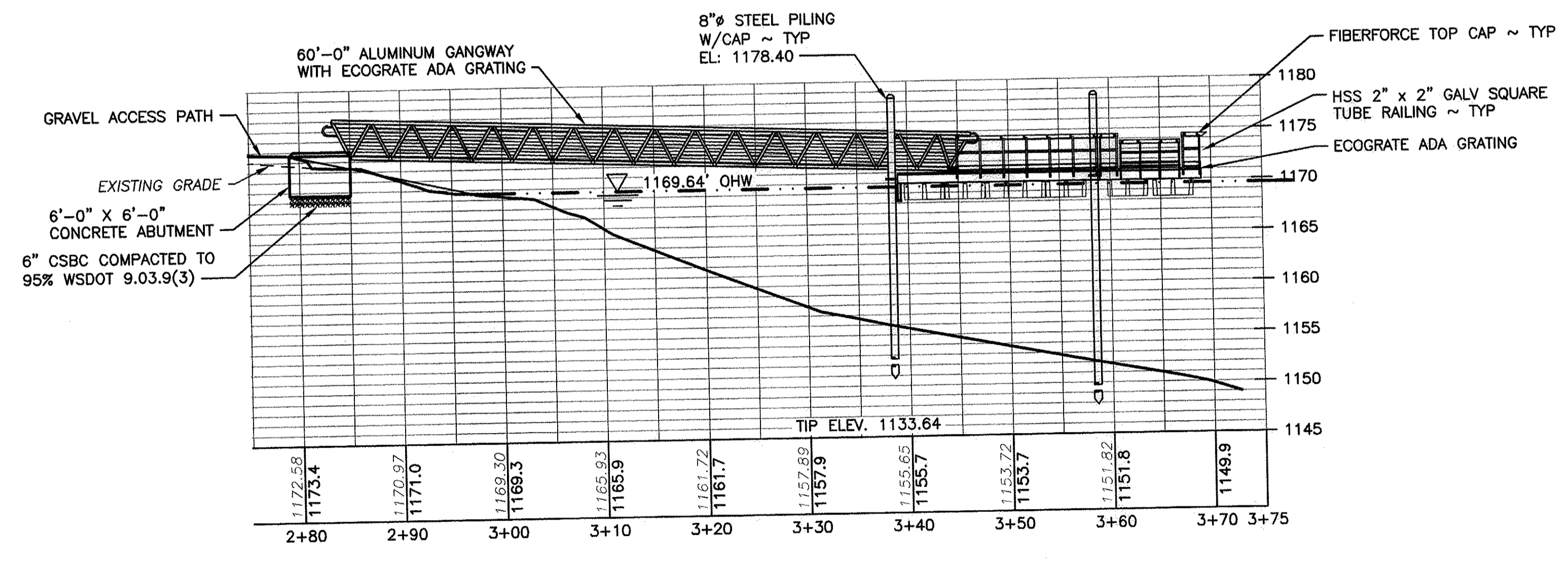
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FISHING FLOAT PLAN

1"=10' 22x34
1"=20' 11x17

NOTE: PILES MUST BE FITTED WITH CAPS TO PREVENT PERCHING BY FISH-EATING BIRDS



FISHING FLOAT PROFILE

1"=10' 22x34
1"=20' 11x17

ABUTMENT CUT & FILL DATA cu.yd.

MATERIAL	CUT ABOVE OHW	FILL ABOVE OHW
CONCRETE	5.24	5.44
GRAVEL CSBC	0.00	0.56
NATIVE SOIL	0.76	0.00
TOTAL CUT/FILL	6.00	6.00

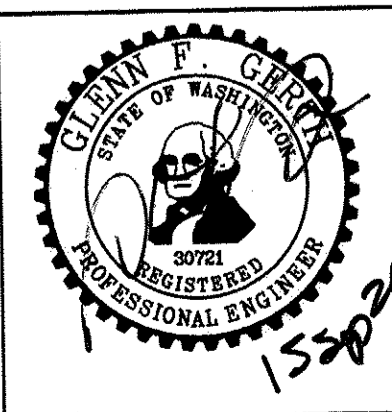
FLOAT POINTS

POINT #	EASTING	NORTHING	DESCRIPTION
55	1806245.54	329767.67	PILE 1
56	1806240.79	329776.28	PILE 2
57	1806248.79	329799.85	PILE 3
58	1806265.53	329769.52	PILE 4

FISHING FLOATS AND GANGWAY

PROPOSED FISHING FLOATS FOOTPRINT:	560 SQ.FT.
ESTIMATED UNOBSTRUCTED FISHING FLOATS GRATING:	142 SQ.FT.
ESTIMATED UNOBSTRUCTED GANGWAY GRATING:	198 SQ.FT.

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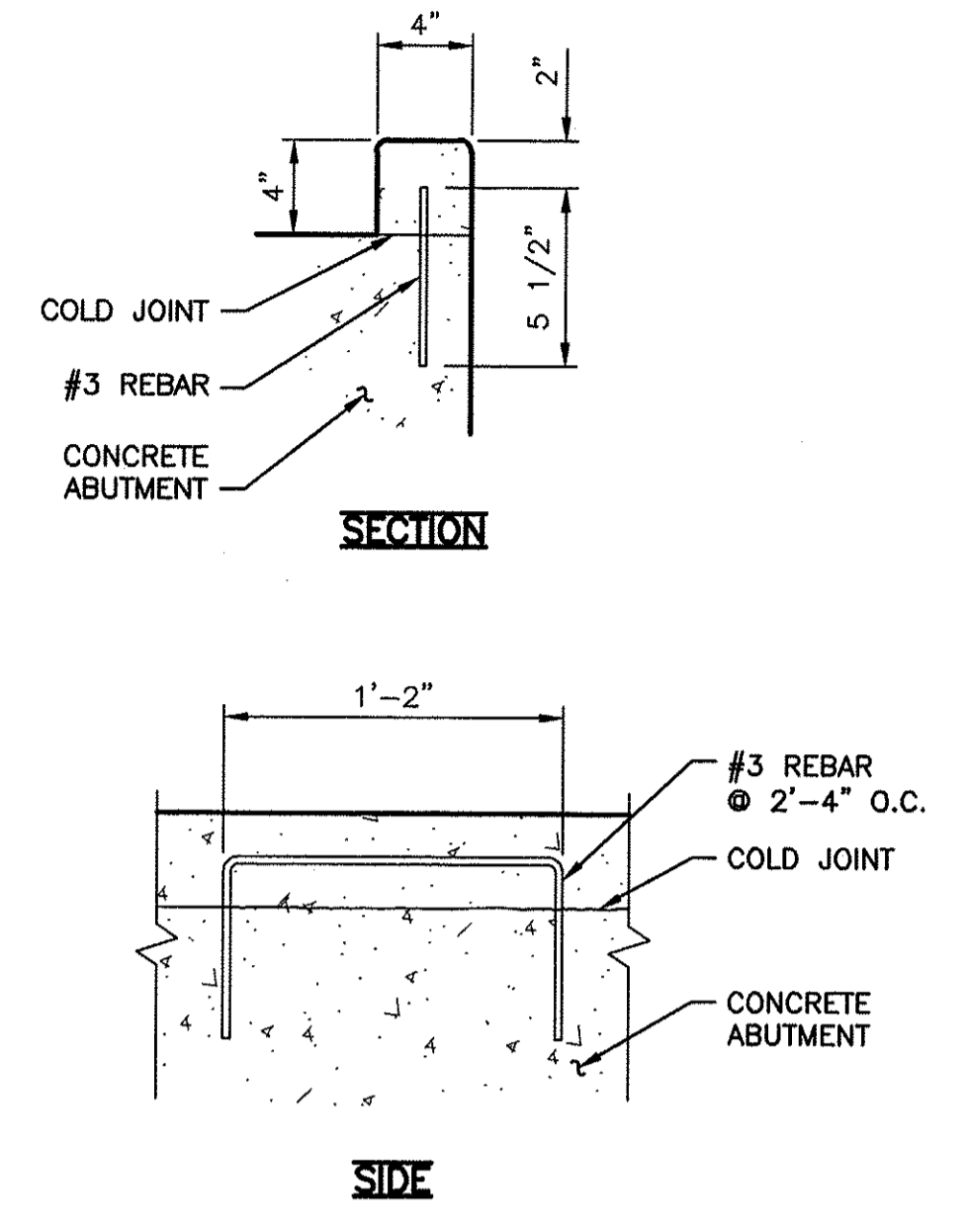
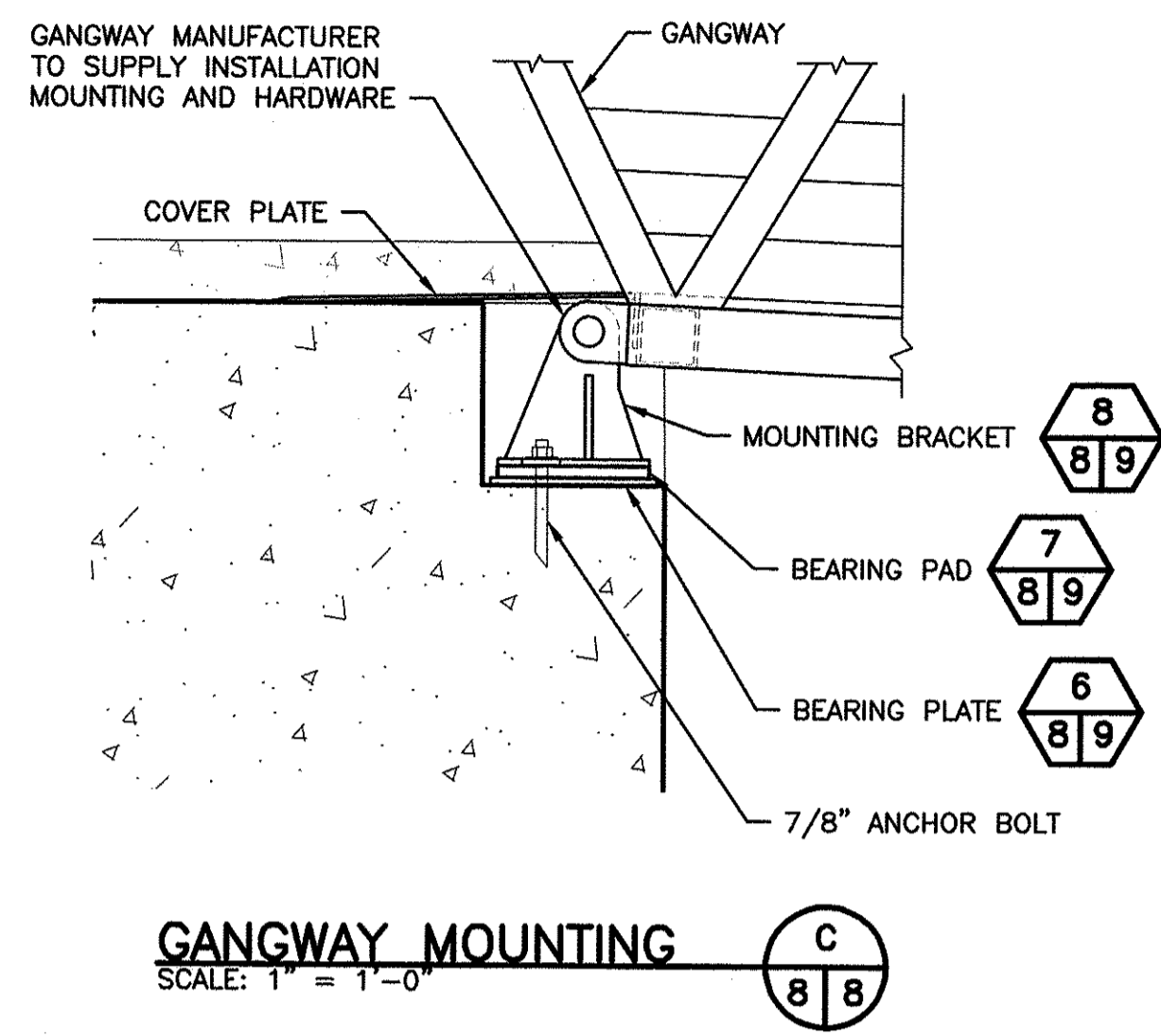
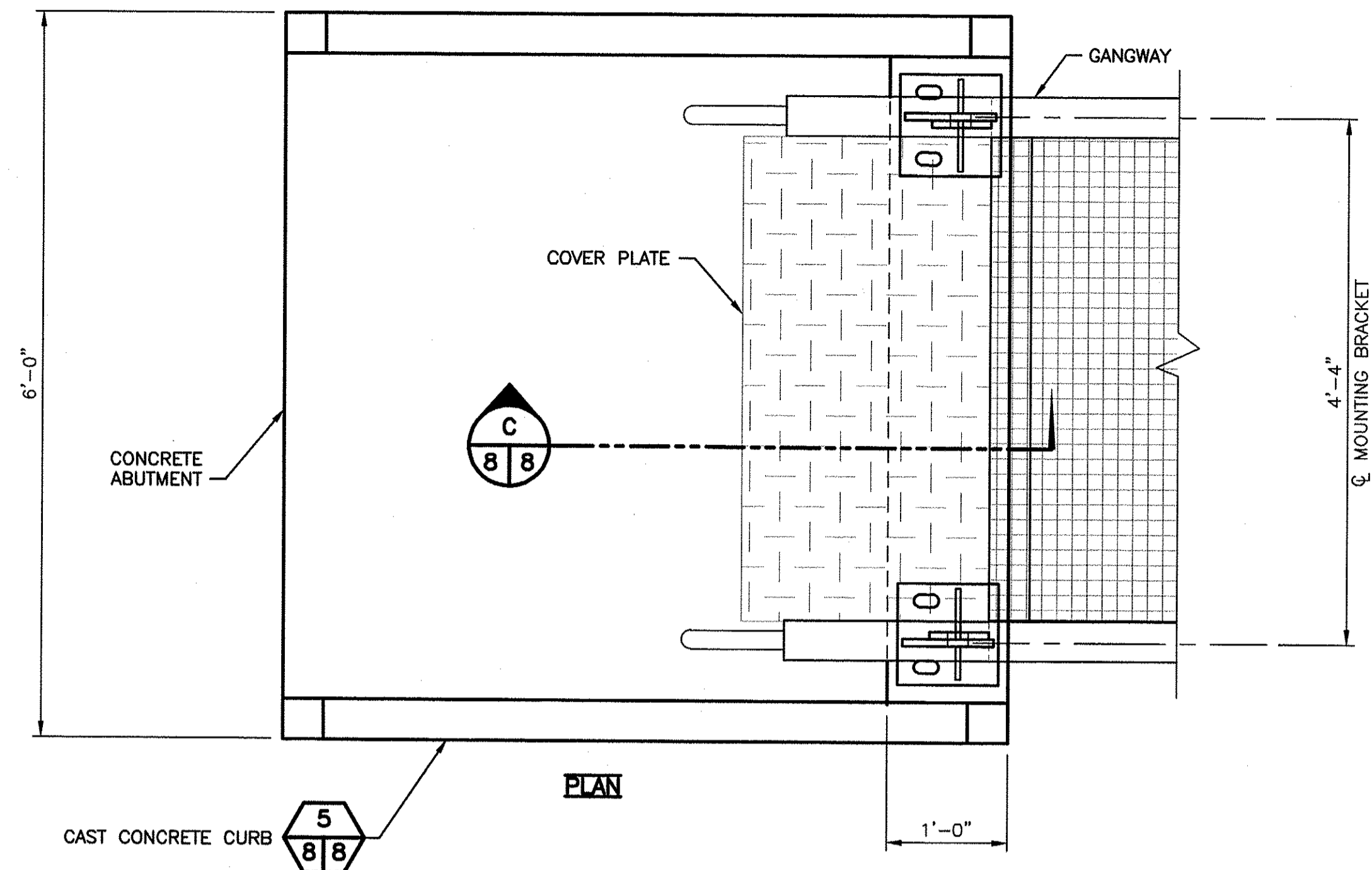


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		APPROVED AND RELEASED FOR CONSTRUCTION	
		DESIGNED BY WDFW	
		CHECKED BY D. SMITH	
		DRAWN BY J. LONG	
		DATE 09/15/2021	

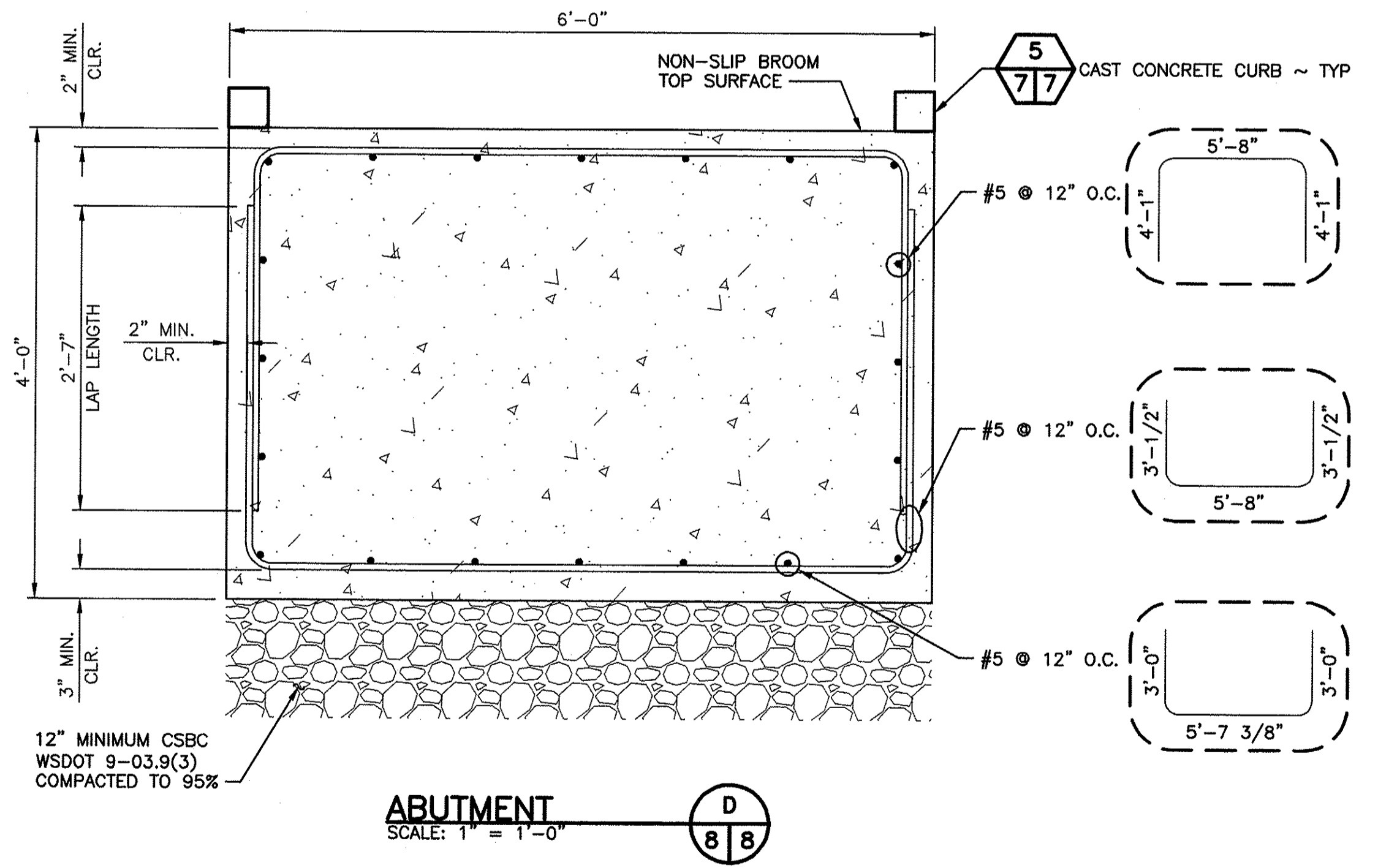
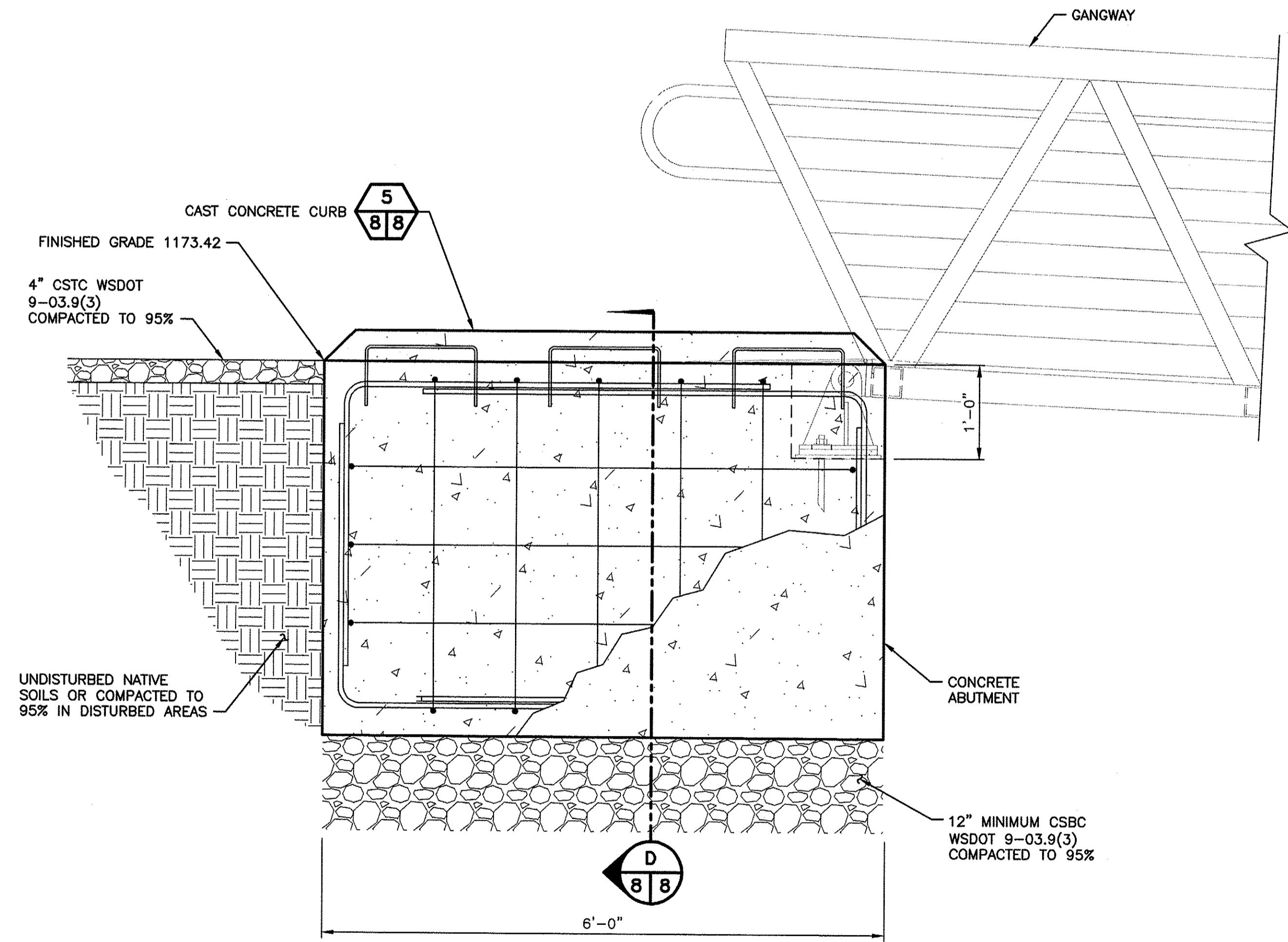
ROSES LAKE ACCESS SITE
REDEVELOPMENT PHASE 2 REBID
FISHING FLOAT PLAN & PROFILE

PROJECT NO.
CN:A44:2021-1

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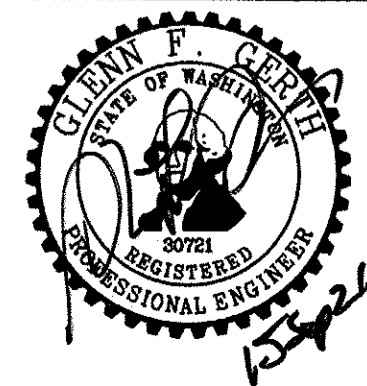


NOTE: VERIFY GANGWAY MOUNTING BRACKET WITH GANGWAY MANUFACTURER PRIOR TO ABUTMENT POUR. FINAL GANGWAY CONNECTOR AND COVER PLATE SHALL BE DESIGNED BY GANGWAY MANUFACTURER



CONCRETE ABUTMENT 4/7/8
SCALE: 1" = 1'-0"

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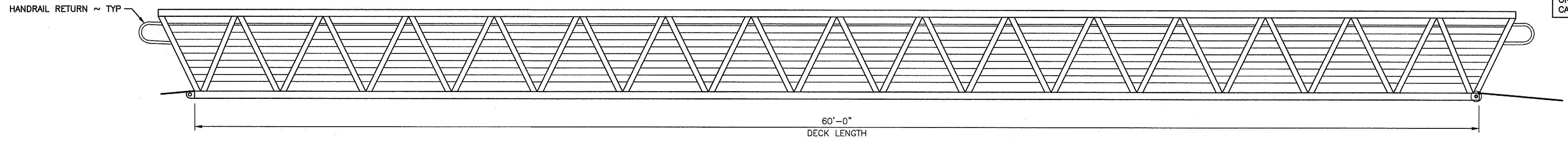
SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	
CHIEF ENGINEER		<i>[Signature]</i>	DATE: 1/5/21
PROGRAM			DATE: 09/15/2021

ROSES LAKE ACCESS SITE
REDEVELOPMENT PHASE 2 REBID
FISHING FLOAT ABUTMENT DETAILS

PROJECT NO.
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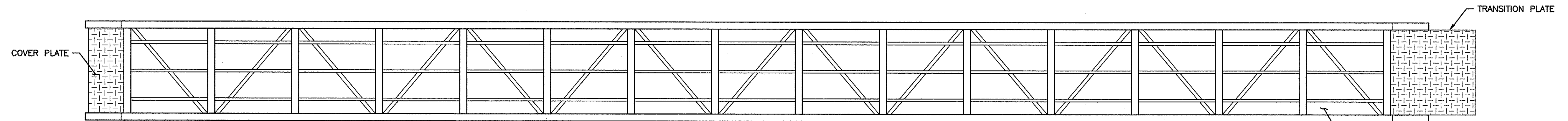
SHEET 8 OF 19

NOTE: BEARING PLATE AND BRACKET SHALL BE DESIGNED BY GANGWAY MANUFACTURER. PROVIDE BRACKET PRIOR TO ABUTMENT POUR OR PROVIDE BRACKET DESIGN TO MOUNT TO CAST ABUTMENT.



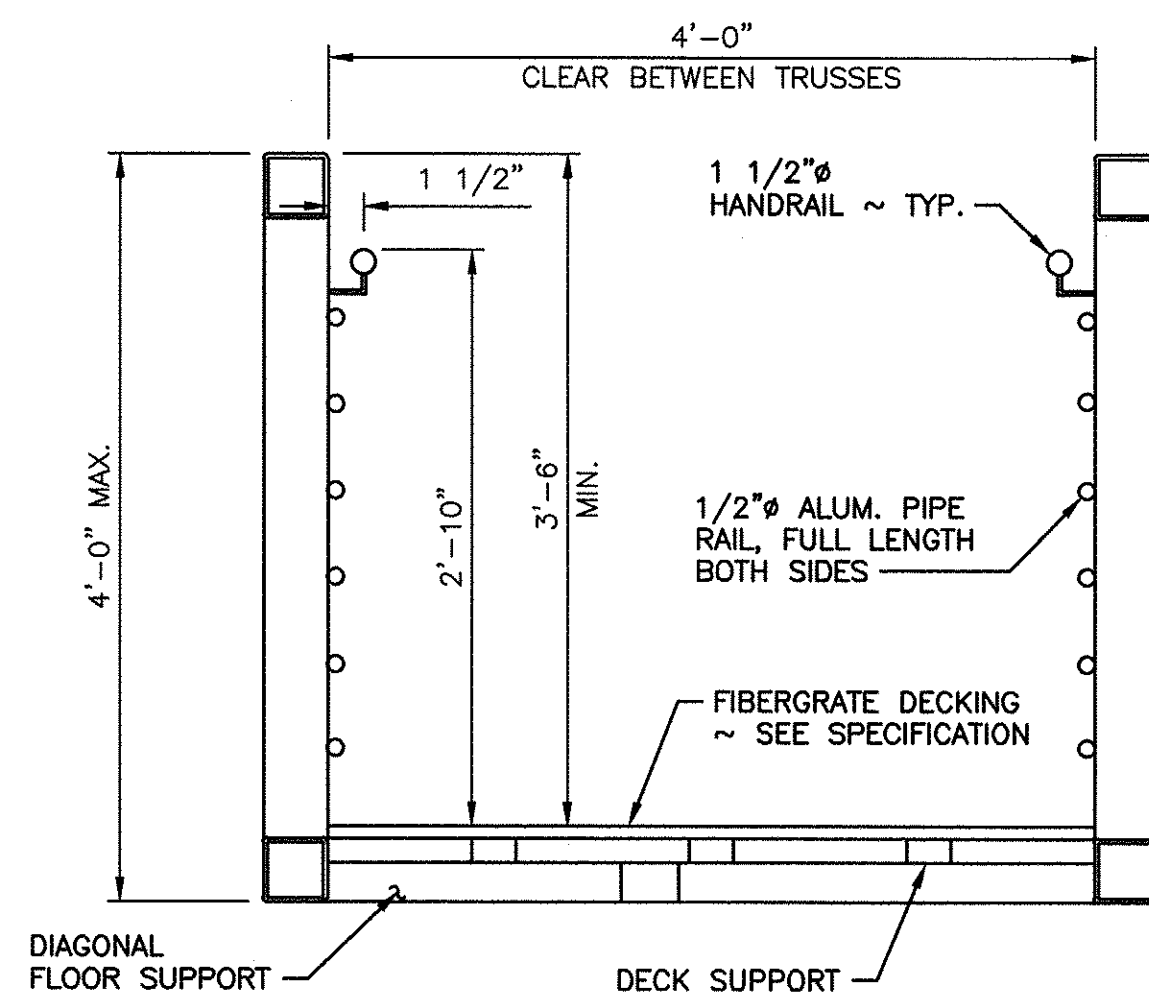
GANGWAY ELEVATION

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



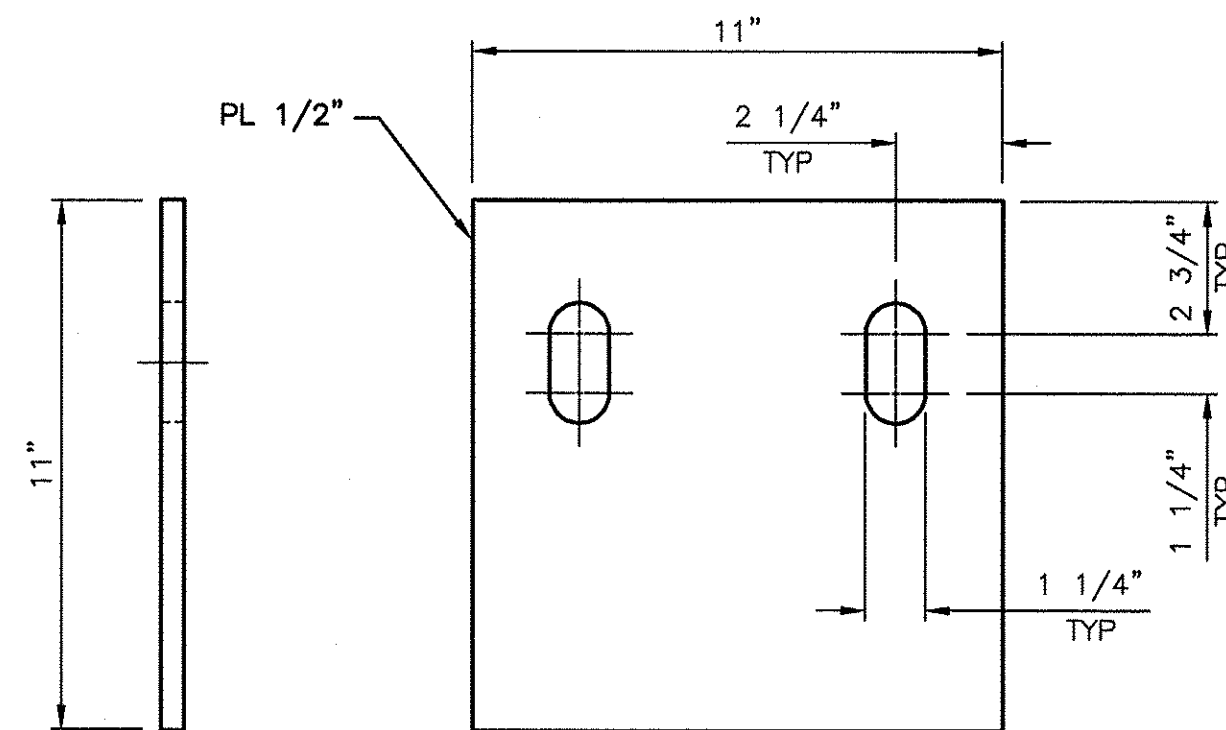
GANGWAY PLAN

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



TYPICAL GANGWAY SECTION

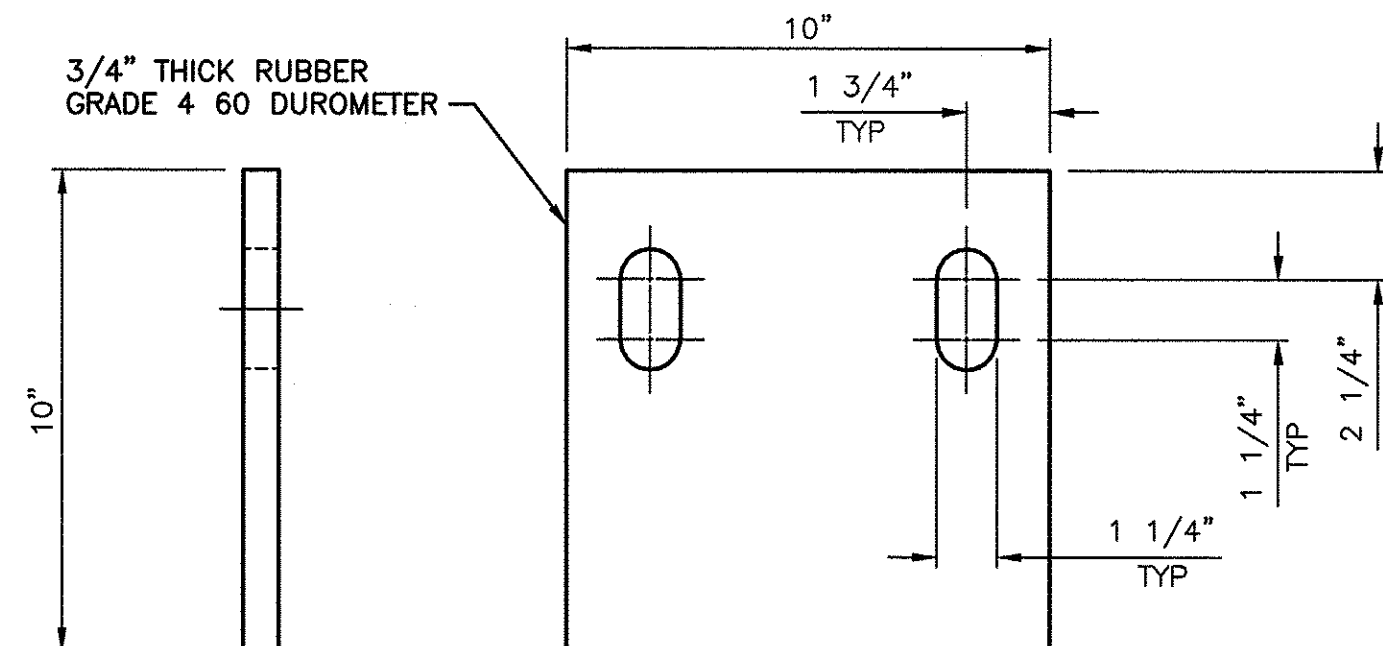
NOT TO SCALE



BEARING PLATE

SCALE: 3" = 1'-0"

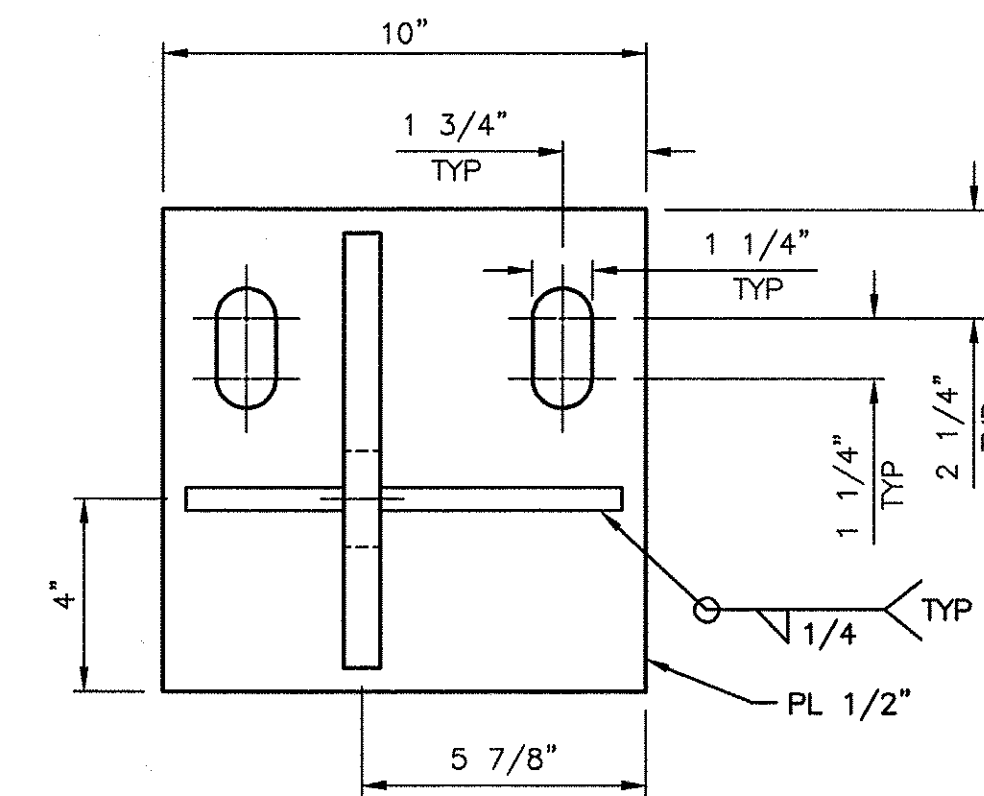
QTY: 2



BEARING PAD

SCALE: 3" = 1'-0"

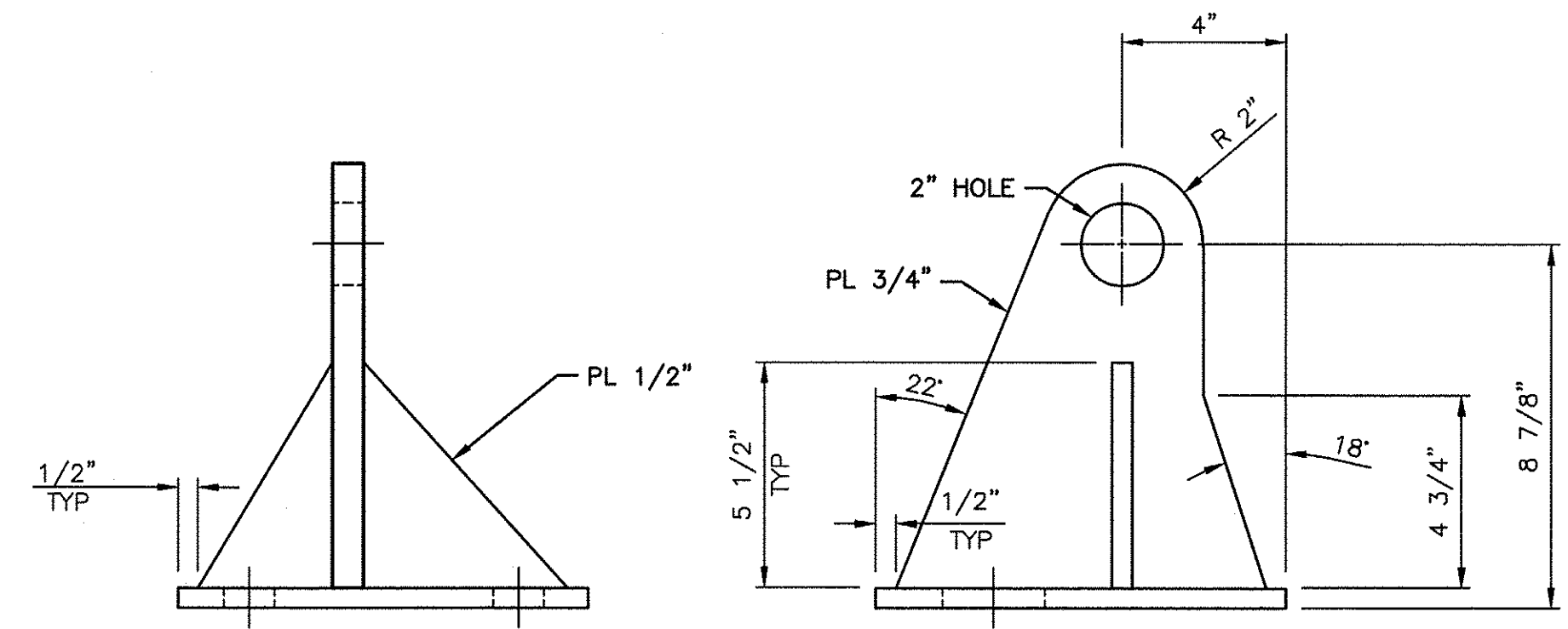
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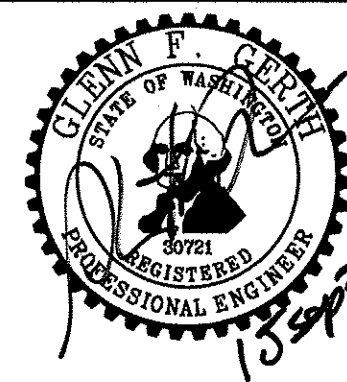
MOUNTING BRACKET

SCALE: 3" = 1'-0"

QTY: 2



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FISH & WILDLIFE



SYM	DATE	REVISION DESCRIPTION	BY
APPROVED AND RELEASED FOR CONSTRUCTION			
CHIEF ENGINEER		<i>JL</i>	DATE: 15 SEP 21
PROGRAM			DATE: 09/15/2021

DESIGNED BY WDFW
CHECKED BY D. SMITH
DRAWN BY J. LONG
DATE 09/15/2021

ROSES LAKE ACCESS SITE
REDEVELOPMENT PHASE 2 REBID
FISHING FLOAT GANGWAY DETAILS

PROJECT NO.
CN:A44:2021-1

SHEET OF
9 19

GENERAL NOTES

- DRAWINGS ARE CONCEPTUAL ONLY. FINAL CONSTRUCTION/SHOP DRAWINGS SHALL BE SUBMITTED BY CONTRACTOR TO MEET ALL DESIGN CRITERIA LISTED IN PROJECT SPECIFICATIONS. SUBMITTED CONSTRUCTION/SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED BY OWNER PRIOR TO FABRICATION. SEE PROJECT SPECIFICATIONS.
- VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH CONSTRUCTION. ANY DIMENSIONAL DEVIATION FROM THAT SHOWN ON THE CONSTRUCTION DOCUMENTS THAT MAY AFFECT THE INTENT OF DESIGN SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PROMPTLY AND RESOLUTION OBTAINED PRIOR TO PROCEEDING.
- SITE LOCATION: SHELTERED SITES WITHIN WASHINGTON STATE. FLOATS IN AREAS WITH SEVERE WINTER STORMS WILL BE SEASONALLY REMOVED.
- FLOTATION TUBS AND STEEL FRAMING ARE SUSCEPTIBLE TO DAMAGE IF LEFT IN-PLACE OVER WINTER IN AN AREA WHERE THE WATER BODY FREEZES OVER.
- FLOATS AND PILING SHALL BE INSTALLED SUCH THAT THE FLOATS DO NOT BIND ON PILE HOOPS FOR THE FULL DESIGN RANGE OF WATER ELEVATIONS.

FLOAT DESIGN CRITERIA

- DESIGN LIVE LOAD = 30 PSF
- DEAD LOAD TARGET FREEBOARD = 17"
- LIVE LOAD TARGET FREEBOARD = 6" MIN.
- GANGWAY REACTION (LANDING FLOAT) = 2,250 LBS (DESIGNED FOR 5' X 60' ALUMINUM GANGWAY)
- NET OPEN AREA: FLOATS SHOWN HAVE BEEN DESIGNED WITH NO NET OPEN AREA REQUIREMENT. IF SPECIFIC PROJECT HAS A NET OPEN AREA REQUIREMENT, FLOAT DESIGN MAY NEED TO BE MODIFIED - SEE PROJECT SPECIFICATIONS.
- EXPOSURE: SITE IS TO BE FAIRLY SHELTERED FROM WIND/WAVES/CURRENTS.
- STEEL PILES: PILE DESIGN IS SITE-SPECIFIC AND NOT INCLUDED IN THE STANDARD FLOAT DESIGN - SEE PROJECT SPECIFICATIONS.
- SEASONAL REMOVAL: IF REQUIRED, FLOAT WILL BE SEASONALLY REMOVED TO PREVENT EXPOSURE TO SEVERE WIND/WAVES.
- SNOW: SNOW LOAD CONSIDERED TO BE LESS THAN LIVE LOAD, AND WILL NOT ACT CONCURRENTLY WITH LIVE LOAD.
- ICE: FLOATS ARE NOT DESIGNED TO RESIST ICE LOADS, AND DAMAGE TO IN-WATER COMPONENTS WOULD LIKELY OCCUR IF THEY WERE LEFT IN-PLACE THROUGH THE WINTER IN A WATER BODY THAT WILL FREEZE OVER.

GANGWAY LANDING

- AS SHOWN, TYPE 1 FLOAT FLOTATION IS SIZED TO SUPPORT A 5' X 60' ALUMINUM GANGWAY. DEPENDING ON SIZE OF PROJECT SPECIFIC GANGWAY, FLOAT TUB SIZE/DEPTH UNDER GANGWAY LANDING MAY NEED ADJUSTMENT TO MAINTAIN LEVEL FLOATS AND TARGET FREEBOARDS.
- GANGWAY ROLLER GUIDES SHALL BE DESIGNED AND/OR PROVIDED BY THE GANGWAY MANUFACTURER. ROLLER GUIDES SHALL BE LOCATED ON THE TYPE 1 FLOAT (LANDING FLOAT) SUCH THAT GANGWAY REMAINS FUNCTIONAL AT ALL WATER LEVELS.
CONTRACTOR SHALL ATTACH ROLLER GUIDES TO TYPE 1 FLOAT PER GANGWAY MANUFACTURER'S INSTRUCTIONS. SEE PROJECT SPECIFICATIONS.

LIFTING OF FLOAT MODULES

FLOAT MAY BE LIFTED FROM DESIGNATED LIFTING POINTS ON THE FLOAT FRAMING AS SHOWN.
ALWAYS FULLY VISUALLY INSPECT THE LIFTING POINTS AND FLOAT FRAMING FOR DAMAGE PRIOR TO LIFTING.
NEVER LIFT THE FLOAT OVER PERSONNEL OR EQUIPMENT, AND KEEP THE FLOAT AS CLOSE TO THE GROUND AS POSSIBLE WHILE HANDLING.

MATERIALS

A SUMMARY OF PROJECT MATERIALS IS PROVIDED BELOW. FOR DETAILS MATERIAL REQUIREMENTS, SEE PROJECT SPECIFICATIONS.

- STEEL SHAPES
HSS: ASTM 500 GRADE B 46 KSI
PIPE: ASTM A53 GRADE B 35 KSI
ANGLE: ASTM A36
BAR/PLATE: ASTM A36

- MISC PRODUCTS
FLOAT TUBS: ACE ROLO-MOLD FOAM FILLED HDPE FLOAT TUBS BY DEN HARTOG INDUSTRIES OR APPROVED EQUAL.

FIBERGLASS GRATING: 1" TALL FIBERGRATE ECOGRATE 62, LIGHT GRAY, INTEGRAL GRIT NON-SKID TOP SURFACE. ATTACHED TO STEEL FRAME WITH MANUFACTURER RECOMMENDED CLIPS AND SS SELF-TAPPING SCREWS.

UHMW: UV STABILIZED, FULLY OR PARTIALLY CROSS-LINKED ULTRA-HIGH MOLECULAR WEIGHT (UHMW) POLYETHYLENE, BLACK IN COLOR.

RUBBER HINGE BUSHINGS: EPDM RUBBER WITH DUROMETER 60 MINIMUM.

TOP AND BOTTOM RAILINGS: BEDFORD SELECTFORCE PLASTIC LUMBER, COLOR LIGHT GRAY, OR APPROVED EQUAL.

BOLTS: UNLESS NOTED OTHERWISE, ALL STEEL TO STEEL CONNECTIONS SHALL USE A307, HOT-DIP GALVANIZED BOLTS. ALL PLASTIC TO STEEL CONNECTIONS SHALL USE 316 STAINLESS STEEL (SS) BOLTS.

HINGE PIN: ASTM A307, HOT-DIP GALVANIZED

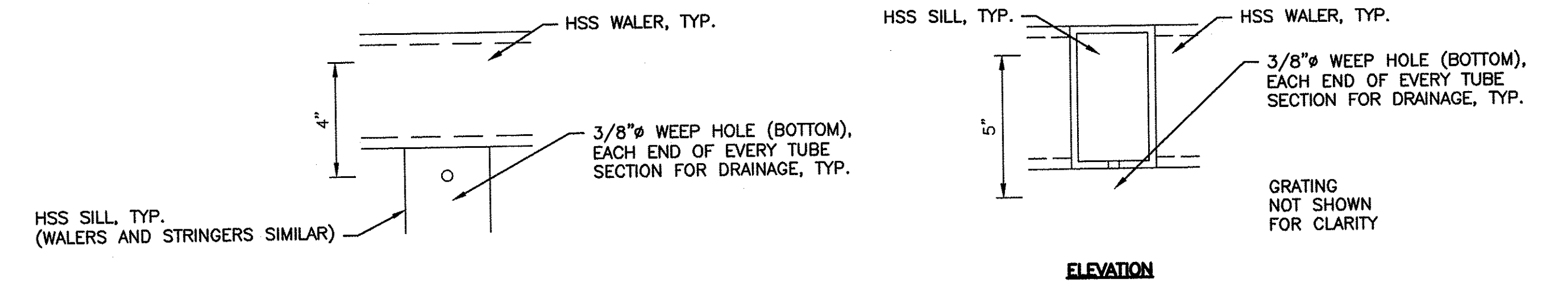
- BENCHES

BENCHES SHALL BE 4' LONG, 18" WIDE, 18" HIGH, SIMILAR TO MANUFACTURER "PILOT ROCK". BENCH 1 AND 2 SHALL HAVE BACK (PWRB/G-4PC) AND ONE ARM REST (AR/G-3). BENCH 3 SHALL HAVE NO BACK (PWD/G-4PN).

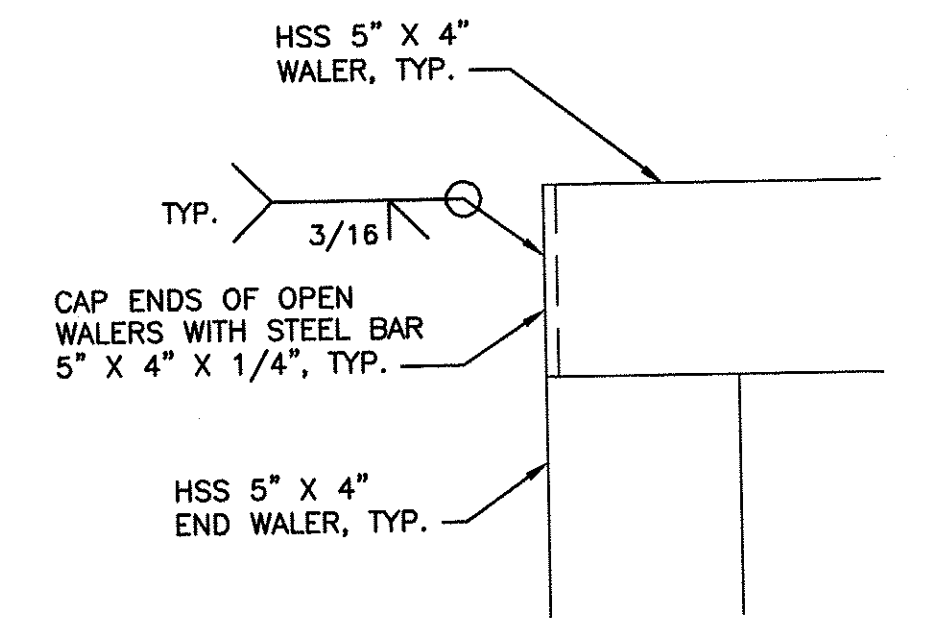
L5" X 3 1/2" X 5/16" BENCH SUPPORT LOCATIONS SHOWN ON DRAWINGS ARE APPROXIMATED. CONTRACTOR TO VERIFY LAYOUT DIMENSIONS REQUIRED FOR ATTACHING SUPPLIED BENCHES TO FLOAT FRAMING PER MANUFACTURER RECOMMENDATIONS. SEE PROJECT SPECIFICATIONS.

COATING

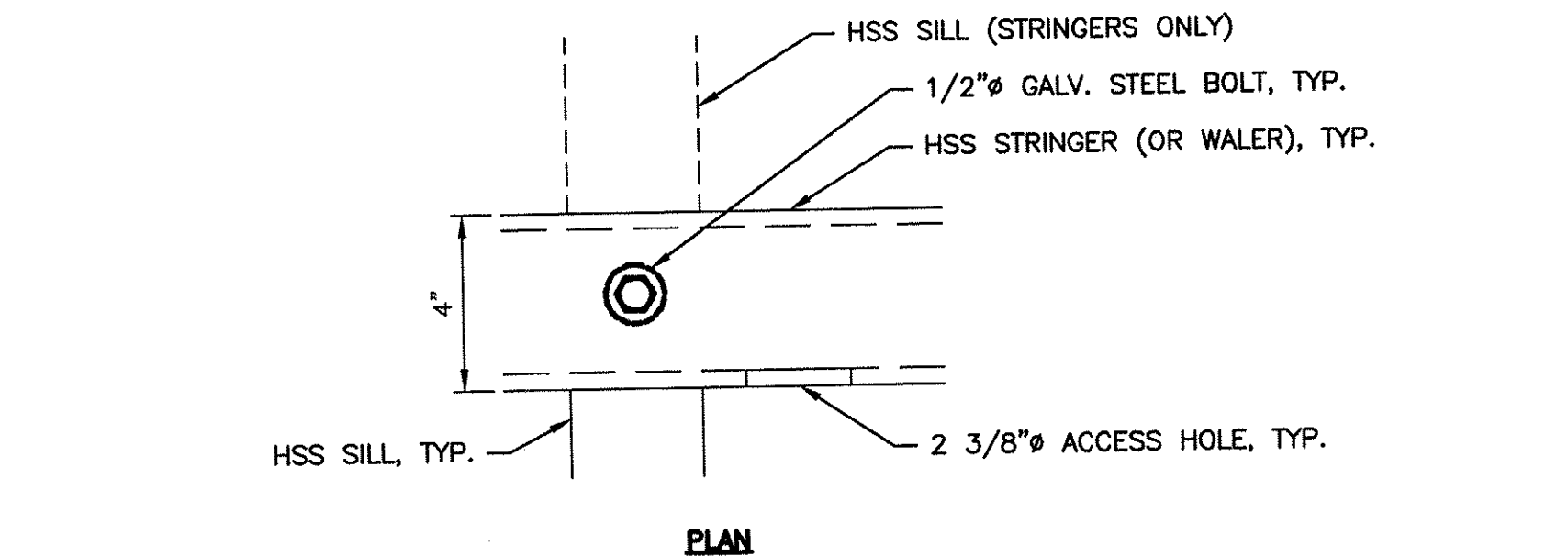
- HOT-DIP GALVANIZE ALL STEEL COMPONENTS AFTER FABRICATION. FLOAT FRAME TO BE HOT-DIP GALVANIZED USING A PROGRESSIVE DIP. SEE PROJECT SPECIFICATIONS.
- HOT-STICK REPAIR ONLY.



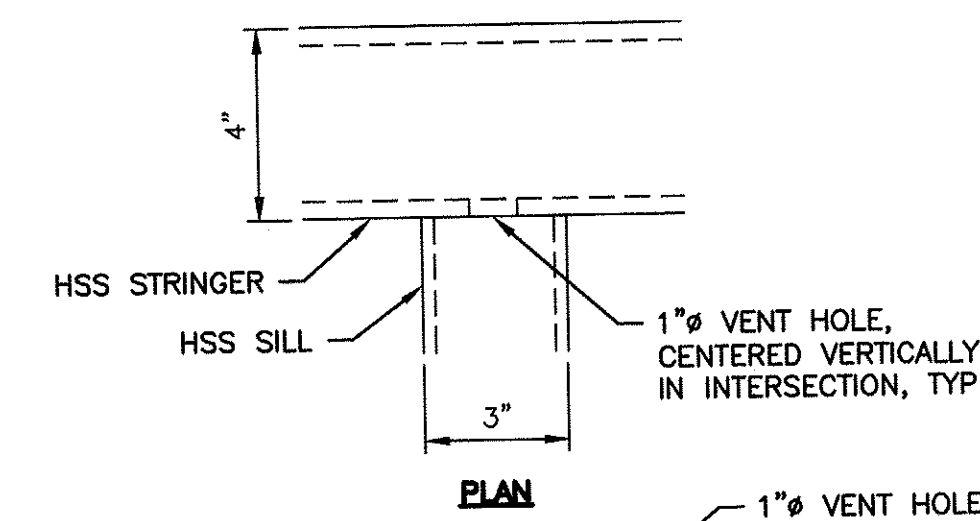
WEEP HOLES
SCALE: 3" = 1'-0"
11
-10



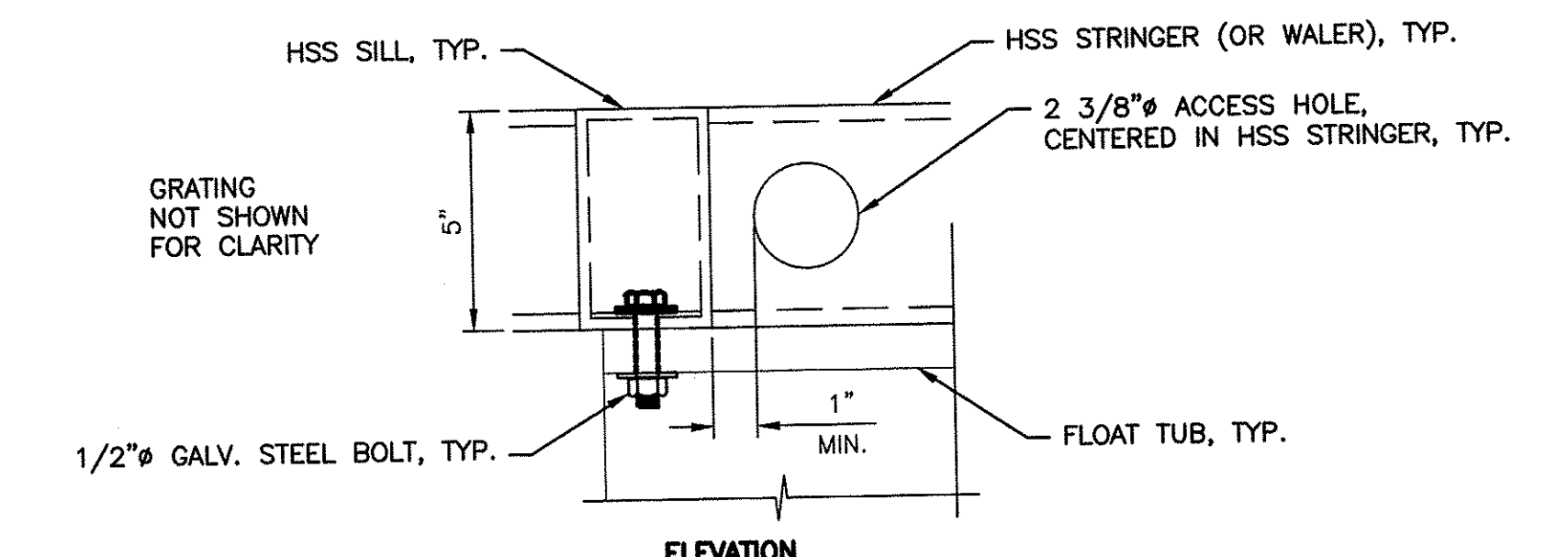
CAPPED ENDS
SCALE: 3" = 1'-0"
9
-10



ACCESS HOLES - STRINGERS/WALERS
SCALE: 3" = 1'-0"
12
-10



VENT HOLES
SCALE: 3" = 1'-0"
10
-10



ACCESS HOLES - SILLS
SCALE: 3" = 1'-0"
13
-10

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FISH & WILDLIFE

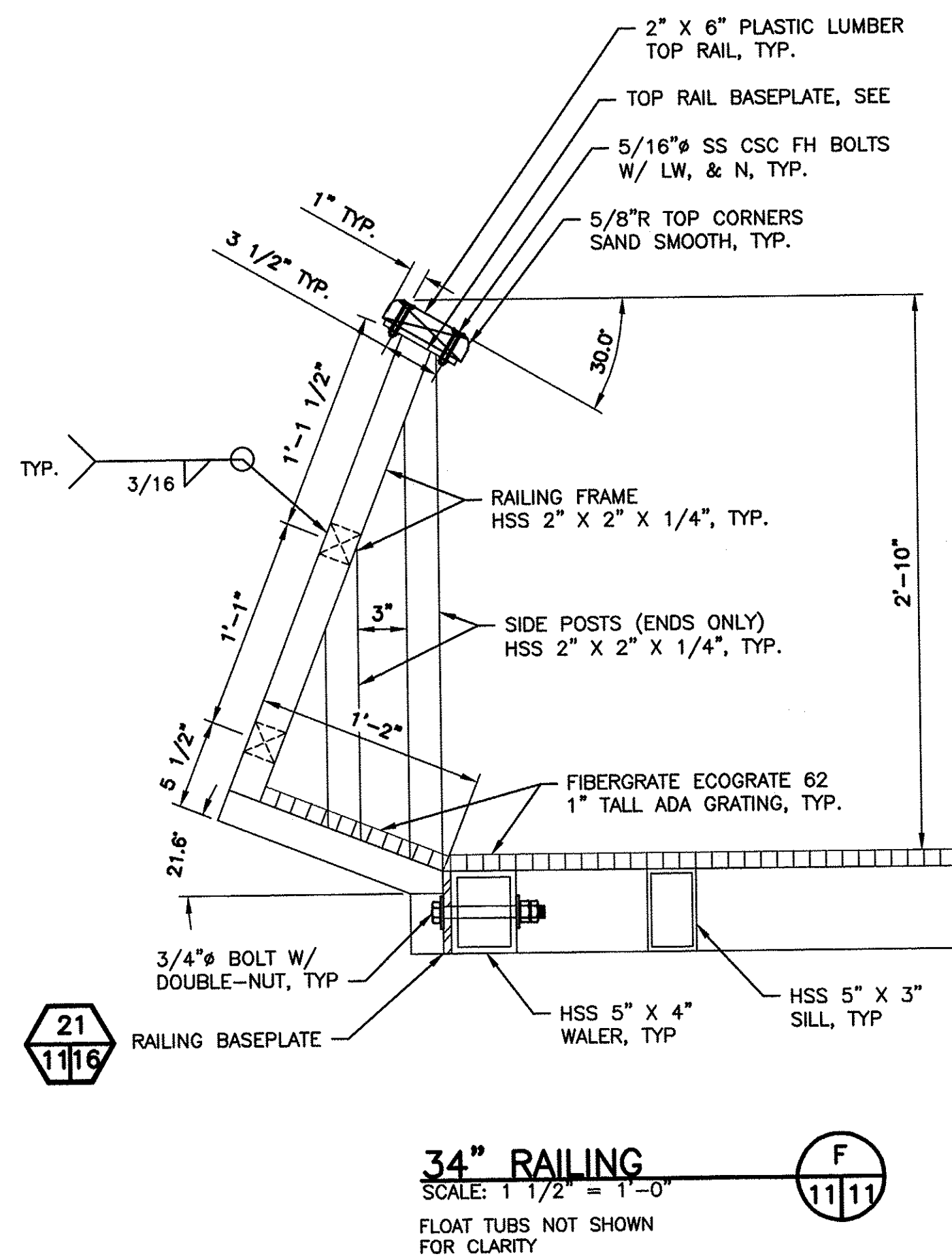
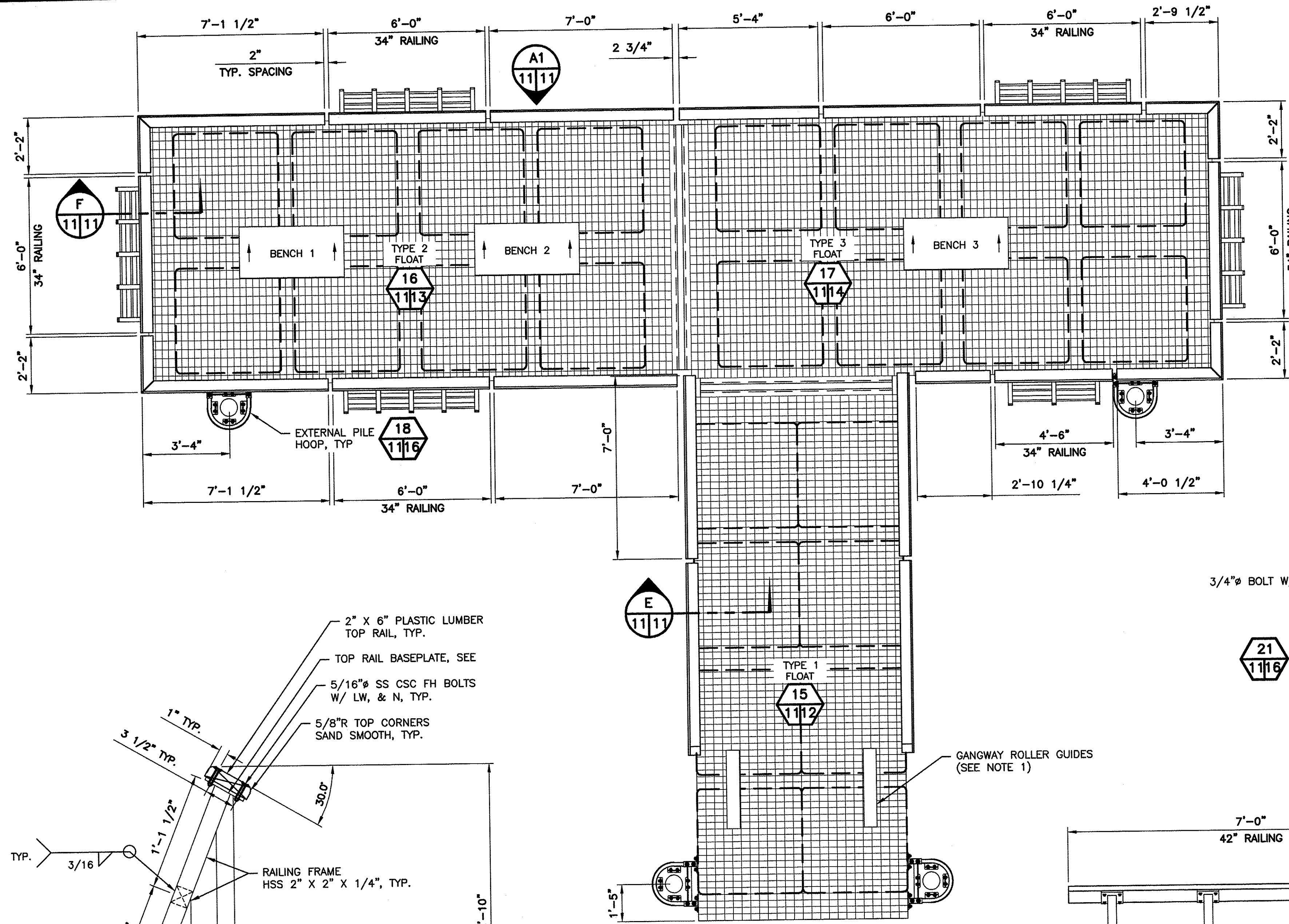


SYM	DATE	REVISION DESCRIPTION	BY
		DESIGNED BY WDFW	
		CHECKED BY D. SMITH	
		DRAWN BY J. LONG	
		DATE 09/15/2021	
CHIEF ENGINEER		DATE: 12/15/21	
PROGRAM		DATE:	

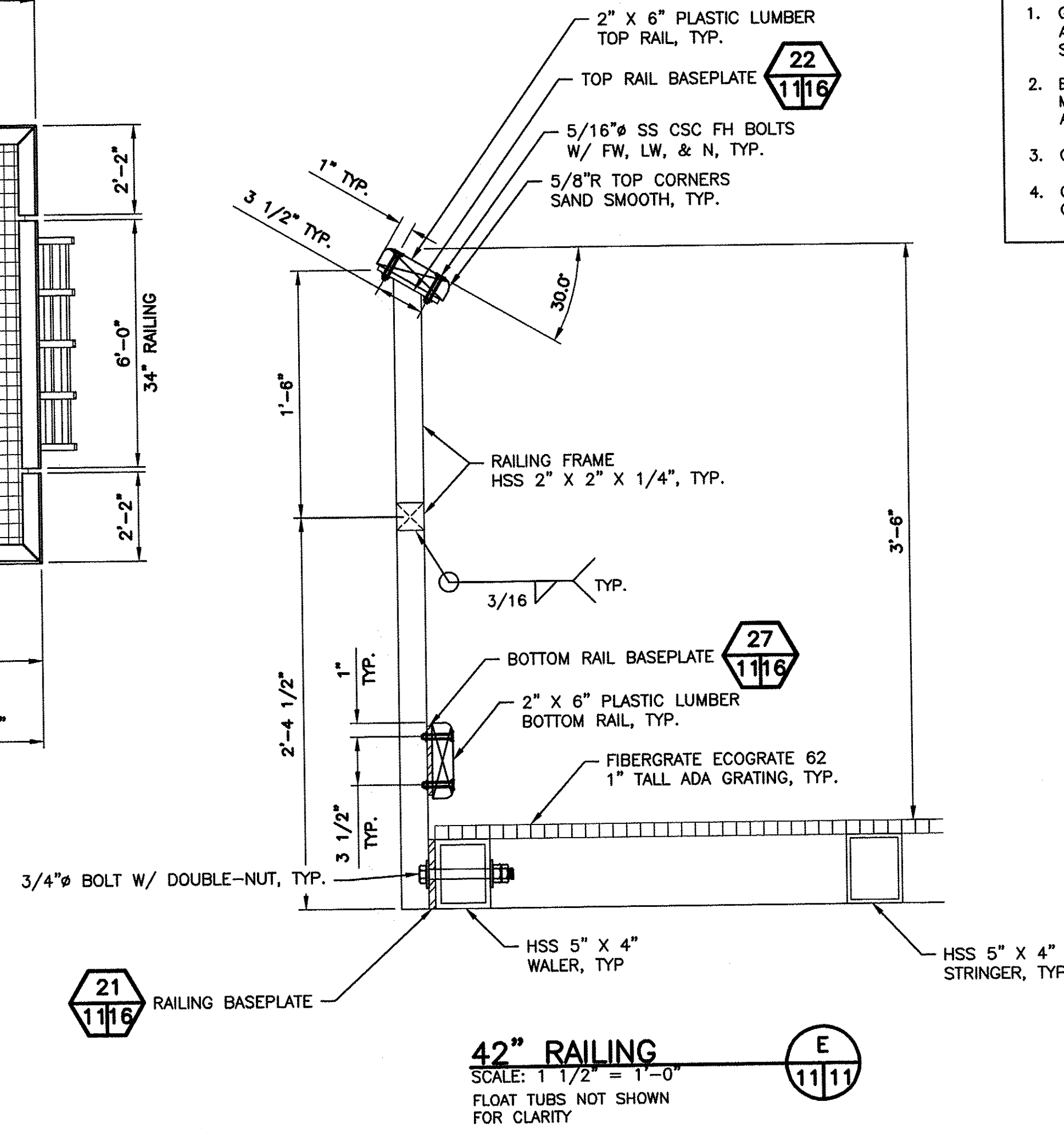
APPROVED AND RELEASED FOR CONSTRUCTION

ROSES LAKE ACCESS SITE
REDEVELOPMENT PHASE 2 REBID
FLOATS GENERAL NOTES & STANDARD DETAILS

PROJECT NO. CN:A44:2021-1	
SHEET 10	OF 19

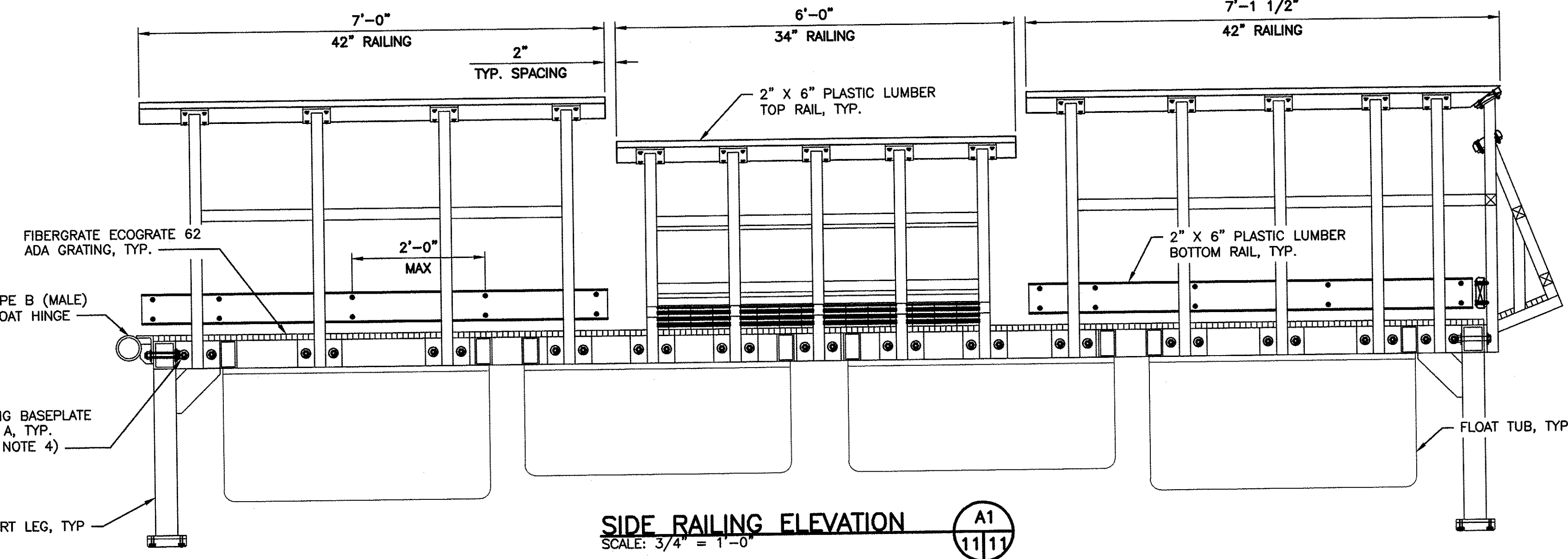


34\"/>



42\"/>

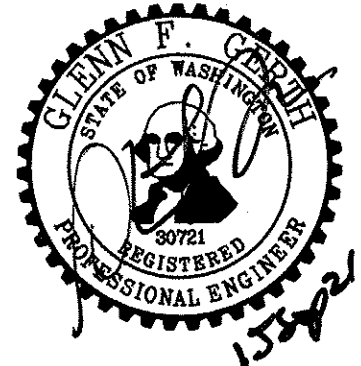
FLOAT PLAN
 SCALE: 3/8\"/>



SIDE RAILING ELEVATION
 SCALE: 3/4\"/>

- NOTES**
1. GANGWAY ROLLER GUIDES SHALL BE DESIGNED AND/OR PROVIDED BY THE GANGWAY MANUFACTURER. SEE GENERAL NOTES AND PROJECT SPECIFICATIONS.
 2. BENCHES SHALL BE ATTACHED TO FLOAT FRAMING PER MANUFACTURER INSTRUCTIONS. SEE GENERAL NOTES AND PROJECT SPECIFICATIONS.
 3. GUARDRAILS ARE 42\"/>
 4. GUARDRAIL BASEPLATES ARE (TYPE A) UNLESS OTHERWISE NOTED.

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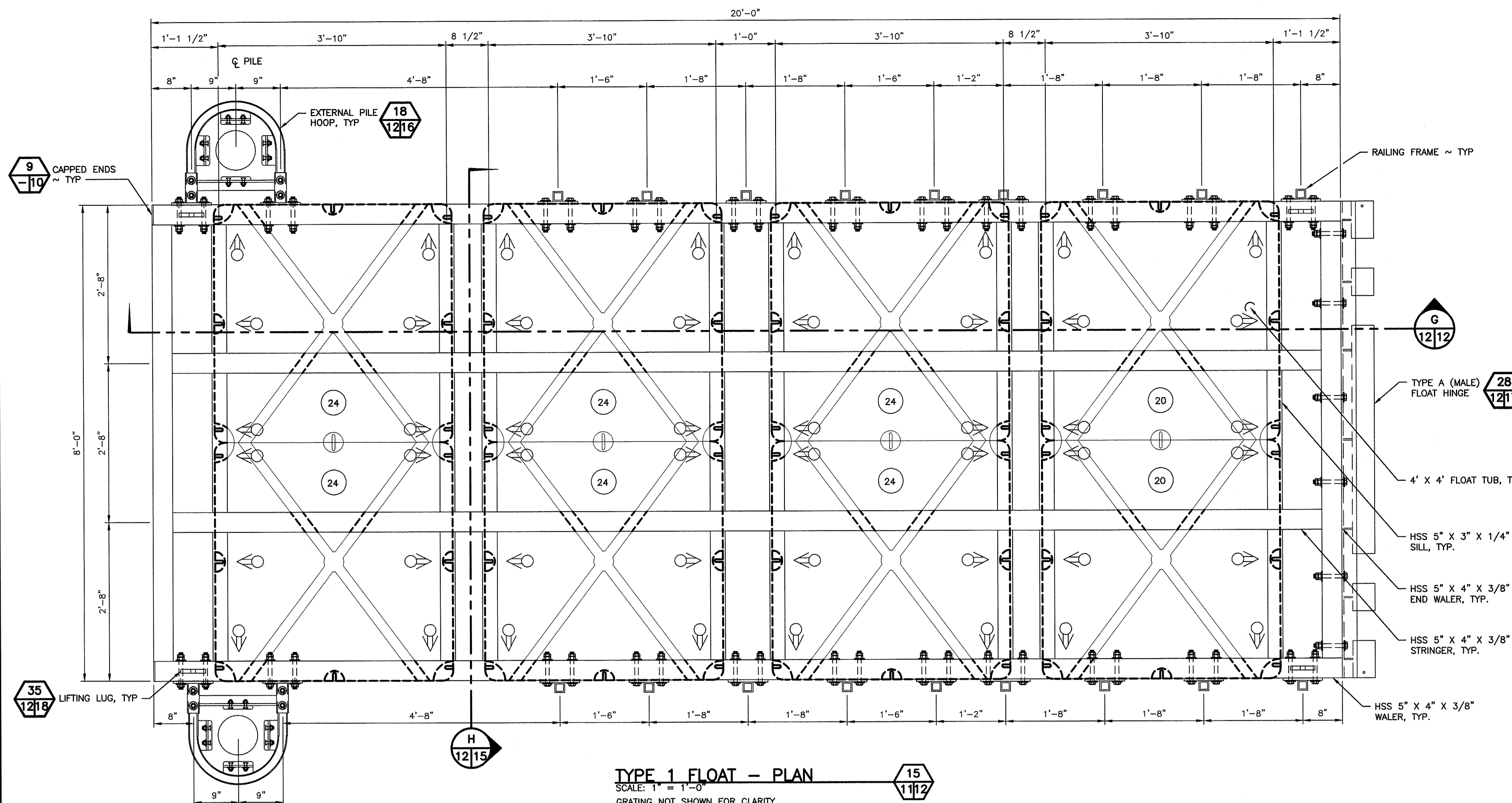
SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	
CHIEF ENGINEER			DATE: 1/5/2021
PROGRAM			DATE: 09/15/2021

ROSES LAKE ACCESS SITE

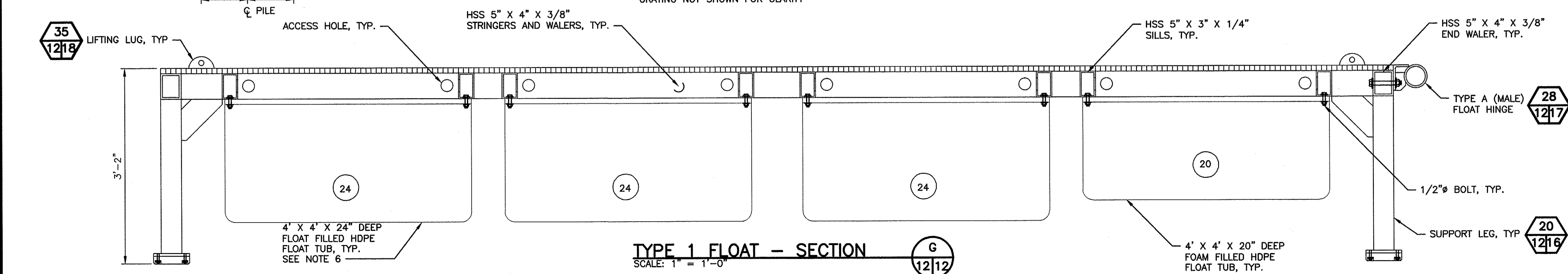
REDEVELOPMENT PHASE 2 REBID

FISHING FLOAT PLAN & GUARDRAILS

PROJECT NO. CN:A44:2021-1	
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TYPE 1 FLOAT - PLAN
 SCALE: 1" = 1'-0"
 GRATING NOT SHOWN FOR CLARITY



TYPE 1 FLOAT - SECTION
 SCALE: 1" = 1'-0"
 GUARDRAILS AND GUARDRAIL BASEPLATES NOT SHOWN FOR CLARITY

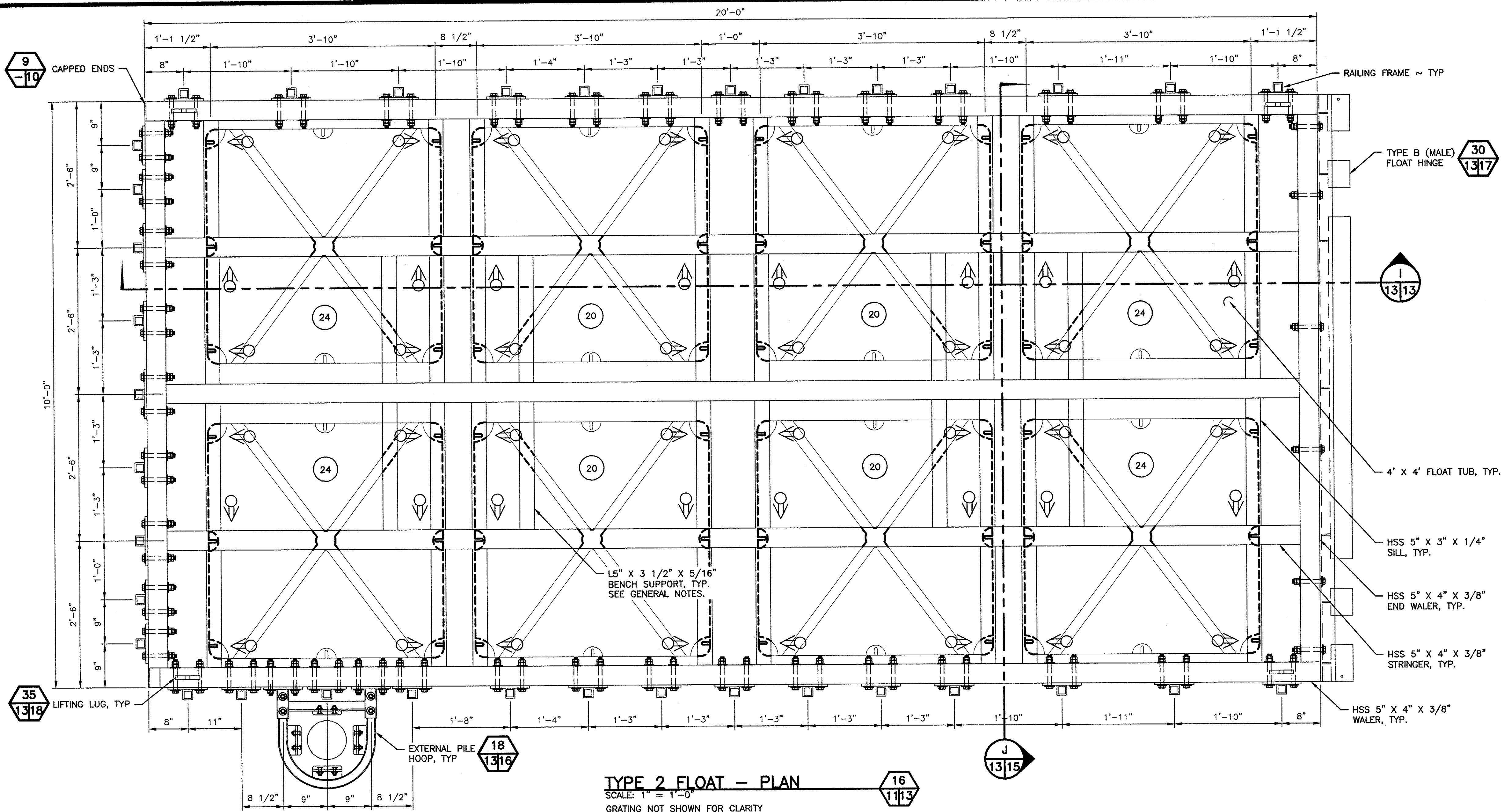
- NOTES**
- GUARDRAIL BASEPLATES ARE (TYPE A) UNLESS OTHERWISE NOTED.
 - GUARDRAIL BASEPLATE TYPE B NEEDED AT THIS LOCATION IN ORDER FOR BOLT PATTERN TO NOT CONFLICT WITH FLOAT FRAMING.
 - PROVIDE 3/8" Ø WEEP HOLES AT THE UNDERSIDE OF EACH END OF EACH HSS TUBE WITH ACCESS HOLES TO PREVENT MEMBERS FROM HOLDING WATER. SEE WEEP HOLES DETAILS ON STANDARD DETAILS SHEET.
 - PROVIDE 1" Ø VENT HOLES IN SIDES OF THE HSS MEMBERS AT ALL WELDED INTERSECTIONS TO FACILITATE COMPLETE DRAINING DURING HOT-DIP GALVANIZING. SEE VENT HOLES DETAIL ON STANDARD DETAILS SHEET.
 - 8' X 20' TYPE 1 FLOAT:
 SELF WEIGHT = 4,800 LBS
 NET OPEN AREA = 12.5%
 FLOTATION FOOTPRINT = 80.0%
 - CONTRACTOR TO ADJUST TUB DEPTH OF FLOATS UNDER GANGWAY AS NEEDED TO PROVIDE A LEVEL DECK.
- LEGEND**
- 2-3/8" Ø DRILLED (NOT FLAME CUT) BOLT ACCESS OR VENT HOLE CENTERED VERTICALLY IN HSS TUBE. PROVIDE MINIMUM 1" AWAY FROM WELDED CONNECTIONS. SMOOTH EDGES PRIOR TO GALVANIZING. SEE ACCESS HOLES DETAILS ON STANDARD DETAILS SHEET.

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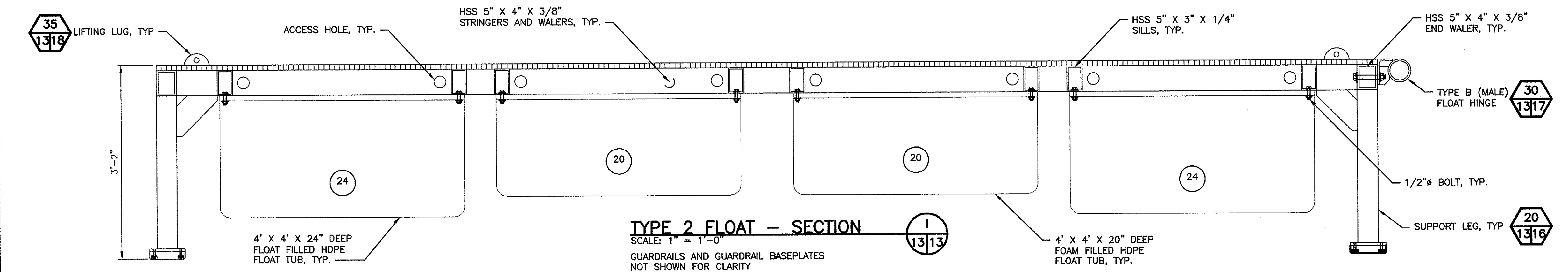


SYM	DATE	REVISION DESCRIPTION	BY
APPROVED AND RELEASED FOR CONSTRUCTION			
CHIEF ENGINEER			DATE: 12/15/21
PROGRAM			DATE: 09/15/2021

ROSES LAKE ACCESS SITE		PROJECT NO. CN:A44:2021-1
REDEVELOPMENT PHASE 2 REBID		SHEET OF
TYPE 1 FLOAT PLAN & SECTION		12 19



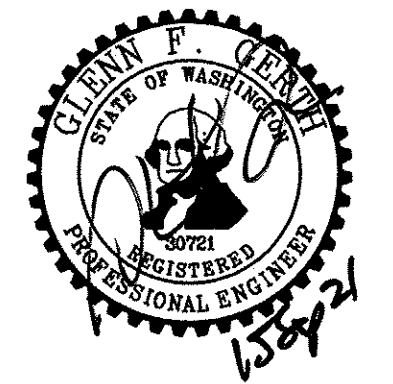
TYPE 2 FLOAT - PLAN
 SCALE: 1" = 1'-0"
 GRATING NOT SHOWN FOR CLARITY



TYPE 2 FLOAT - SECTION
 SCALE: 1" = 1'-0"
 GUARDRAILS AND GUARDRAIL BASEPLATES NOT SHOWN FOR CLARITY

- NOTES**
1. GUARDRAIL BASEPLATES ARE (TYPE A) UNLESS OTHERWISE NOTED.
 2. GUARDRAIL BASEPLATE TYPE B NEEDED AT THIS LOCATION IN ORDER FOR BOLT PATTERN TO NOT CONFLICT WITH FLOAT FRAMING.
 3. PROVIDE 3/8" Ø WEEP HOLES AT THE UNDERSIDE OF EACH END OF EACH HSS TUBE WITH ACCESS HOLES TO PREVENT MEMBERS FROM HOLDING WATER. SEE WEEP HOLES DETAILS ON STANDARD DETAILS SHEET.
 4. PROVIDE 1" Ø VENT HOLES IN SIDES OF THE HSS MEMBERS AT ALL WELDED INTERSECTIONS TO FACILITATE COMPLETE DRAINING DURING HOT-DIP GALVANIZING. SEE VENT HOLES DETAIL ON STANDARD DETAILS SHEET.
 5. 10' X 20' TYPE 2 FLOAT:
 SELF WEIGHT = 6,220 LBS
 NET OPEN AREA = 16.9%
 FLOTATION FOOTPRINT = 64.0%
- LEGEND**
- 2-3/8" Ø DRILLED (NOT FLAME CUT) BOLT ACCESS OR VENT HOLE CENTERED VERTICALLY IN HSS TUBE. PROVIDE MINIMUM 1" AWAY FROM WELDED CONNECTIONS. SMOOTH EDGES PRIOR TO GALVANIZING. SEE ACCESS HOLES DETAILS ON STANDARD DETAILS SHEET.

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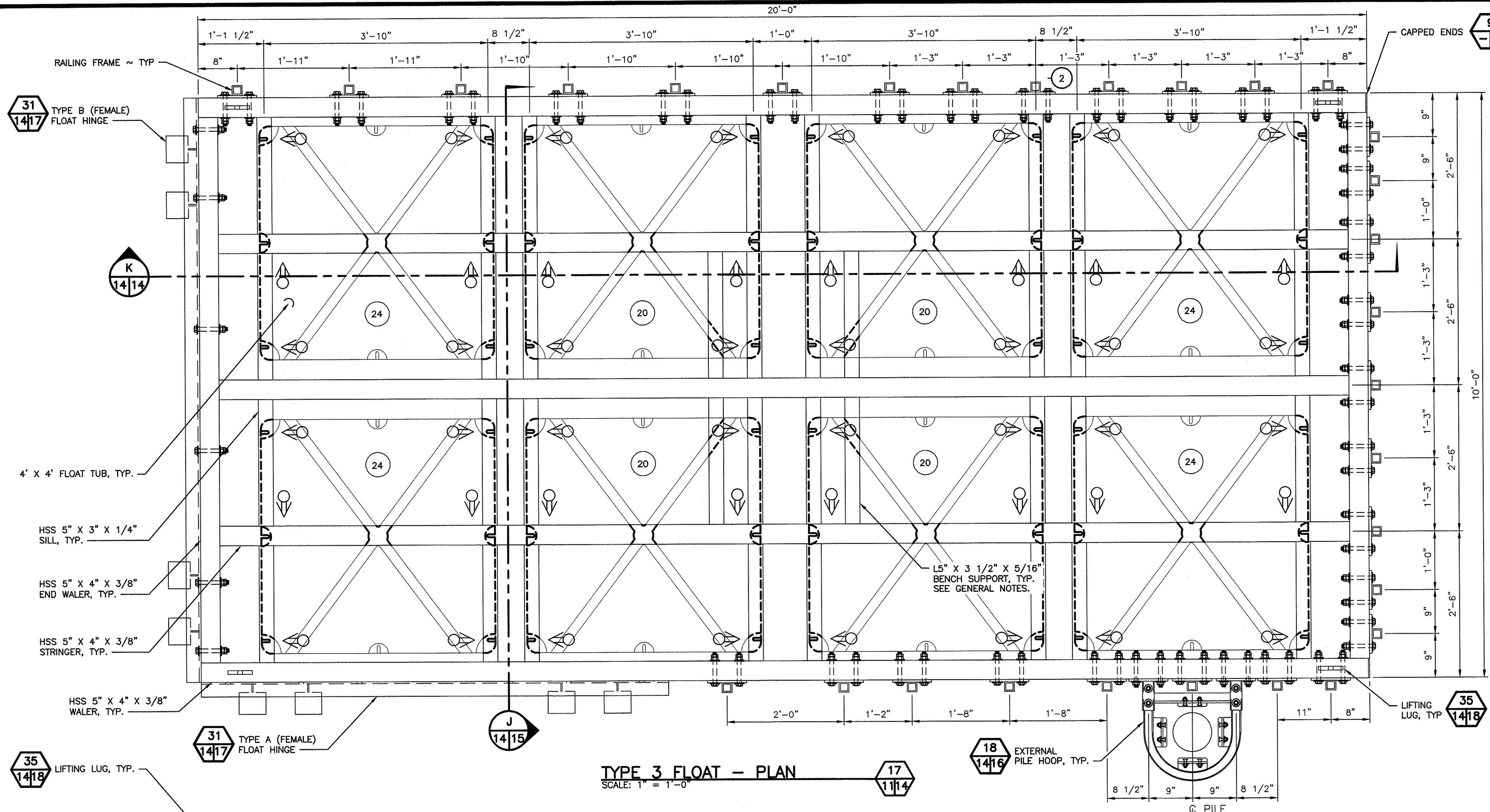
SYM	DATE	REVISION DESCRIPTION	BY
APPROVED AND RELEASED FOR CONSTRUCTION			
CHIEF ENGINEER			DATE: 1/5/21
PROGRAM			DATE: 09/15/2021

ROSES LAKE ACCESS SITE

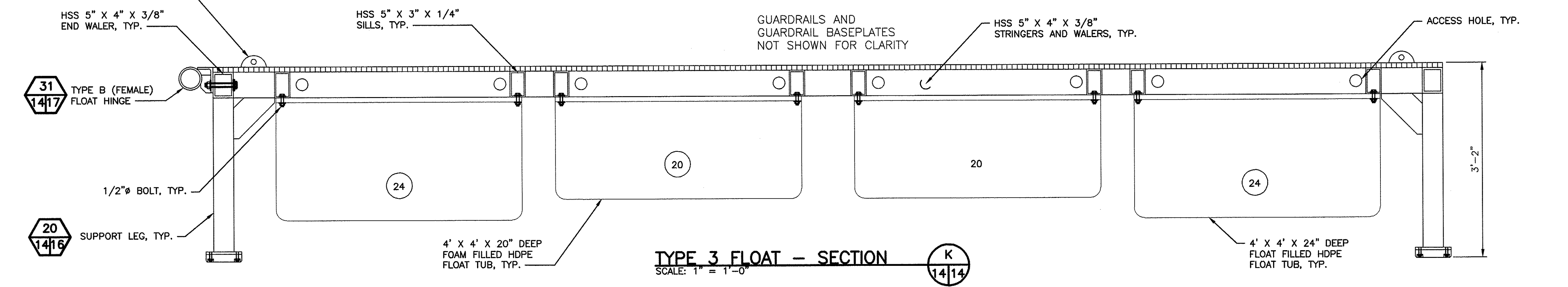
REDEVELOPMENT PHASE 2 REBID

TYPE 2 FLOAT PLAN & SECTION

PROJECT NO. CN:A44:2021-1	
SHEET 13	OF 19



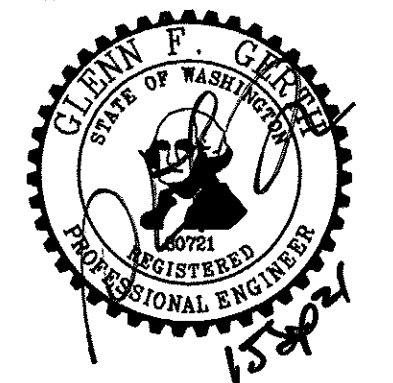
TYPE 3 FLOAT - PLAN
SCALE: 1" = 1'-0"



TYPE 3 FLOAT - SECTION
SCALE: 1" = 1'-0"

- NOTES**
1. GUARDRAIL BASEPLATES ARE (TYPE A) UNLESS OTHERWISE NOTED.
 2. GUARDRAIL BASEPLATE TYPE B NEEDED AT THIS LOCATION IN ORDER FOR BOLT PATTERN TO NOT CONFLICT WITH FLOAT FRAMING.
 3. PROVIDE 3/8" WEEP HOLES AT THE UNDERSIDE OF EACH END OF EACH HSS TUBE WITH ACCESS HOLES TO PREVENT MEMBERS FROM HOLDING WATER. SEE WEEP HOLES DETAILS ON STANDARD DETAILS SHEET.
 4. PROVIDE 1" VENT HOLES IN SIDES OF THE HSS MEMBERS AT ALL WELDED INTERSECTIONS TO FACILITATE COMPLETE DRAINING DURING HOT-DIP GALVANIZING. SEE VENT HOLES DETAIL ON STANDARD DETAILS SHEET.
 5. 10' X 20' TYPE 3 FLOAT:
SELF WEIGHT = 6,220 LBS
NET OPEN AREA = 17.1%
FLOTATION FOOTPRINT = 64.0%
- LEGEND**
- 2-3/8" DRILLED (NOT FLAME CUT) BOLT ACCESS OR VENT HOLE CENTERED VERTICALLY IN HSS TUBE. PROVIDE MINIMUM 1" AWAY FROM WELDED CONNECTIONS. SMOOTH EDGES PRIOR TO GALVANIZING. SEE ACCESS HOLES DETAILS ON STANDARD DETAILS SHEET.

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FISH & WILDLIFE

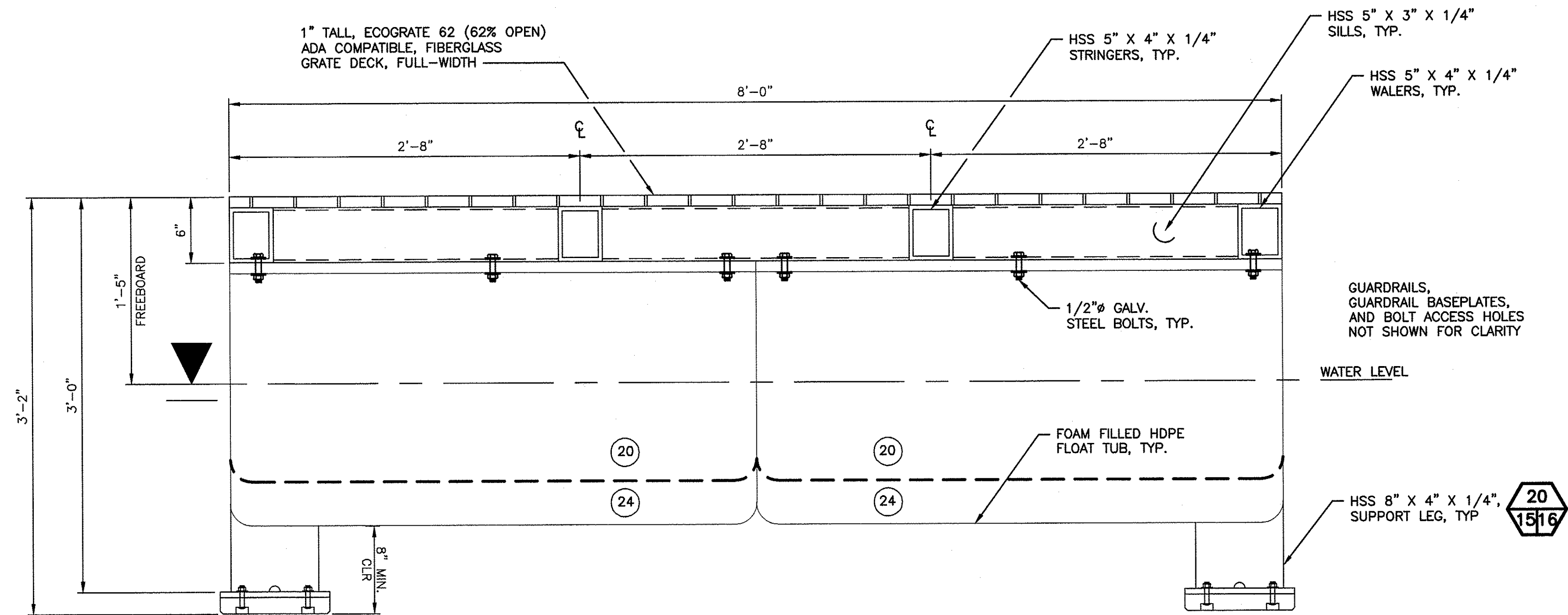


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CHIEF ENGINEER			DATE: 1/5/21
PROGRAM			DATE: 09/15/2021

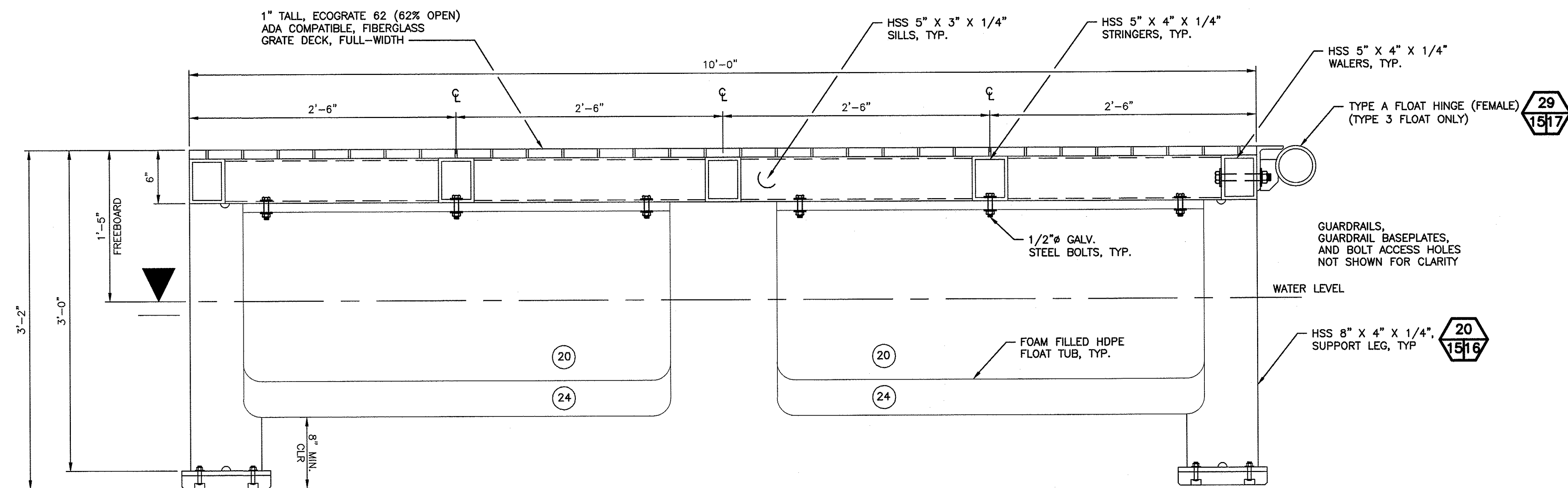
ROSES LAKE ACCESS SITE
REDEVELOPMENT PHASE 2 REBID
TYPE 3 FLOAT PLAN & SECTION

PROJECT NO.
CN:A44:2021-1

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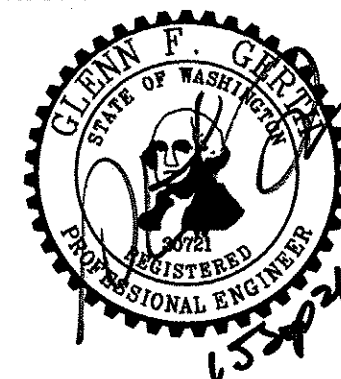


TYPE 1 FLOAT - CROSS SECTION H
12/15
SCALE: 1 1/2" = 1'-0"



TYPE 2 & 3 FLOAT - CROSS SECTION J
13/15 J
14/15
SCALE: 1 1/2" = 1'-0"

WASHINGTON DEPARTMENT OF
FISH & WILDLIFE



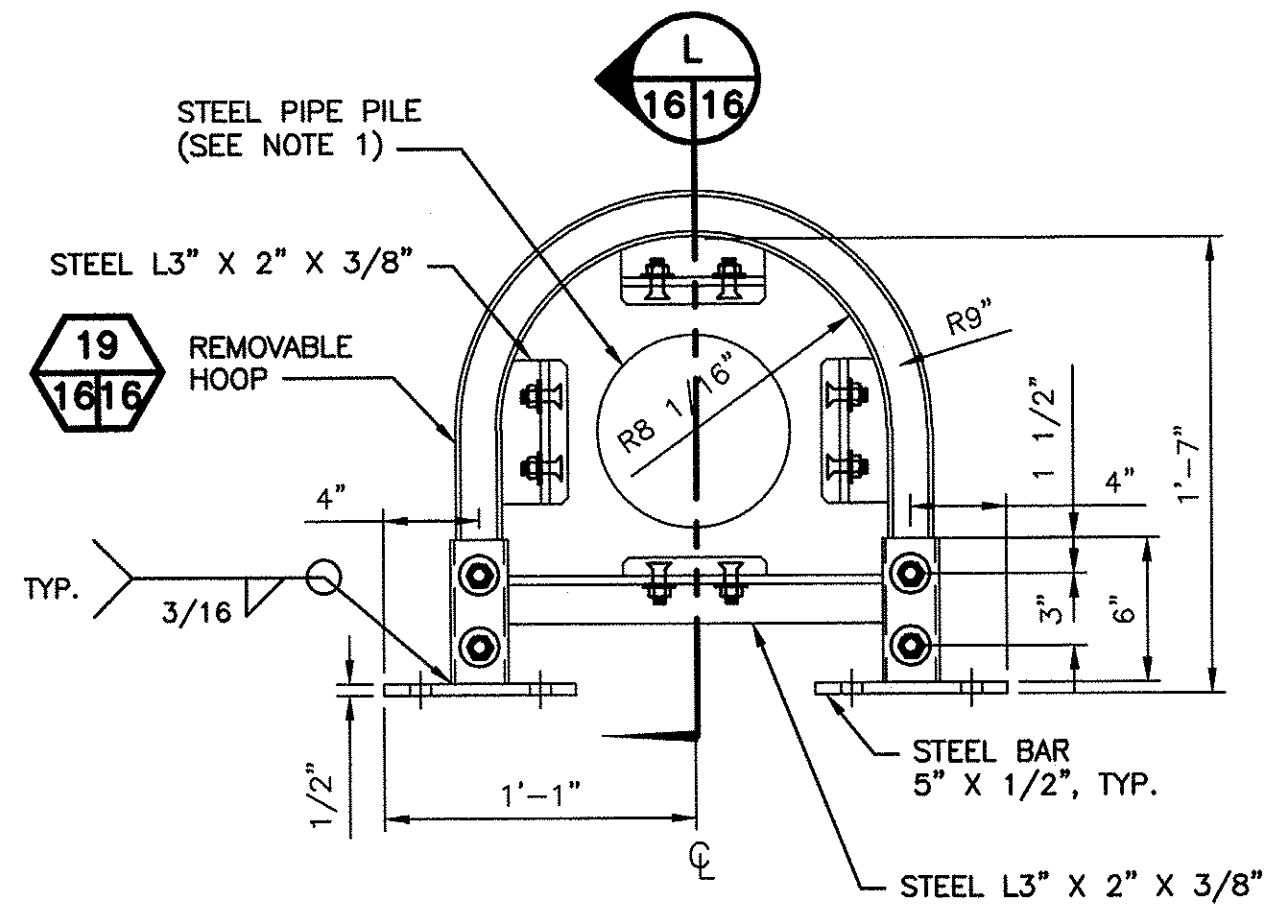
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DESIGNED BY WDFW
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DRAWN BY J. LONG
DATE 09/15/2021

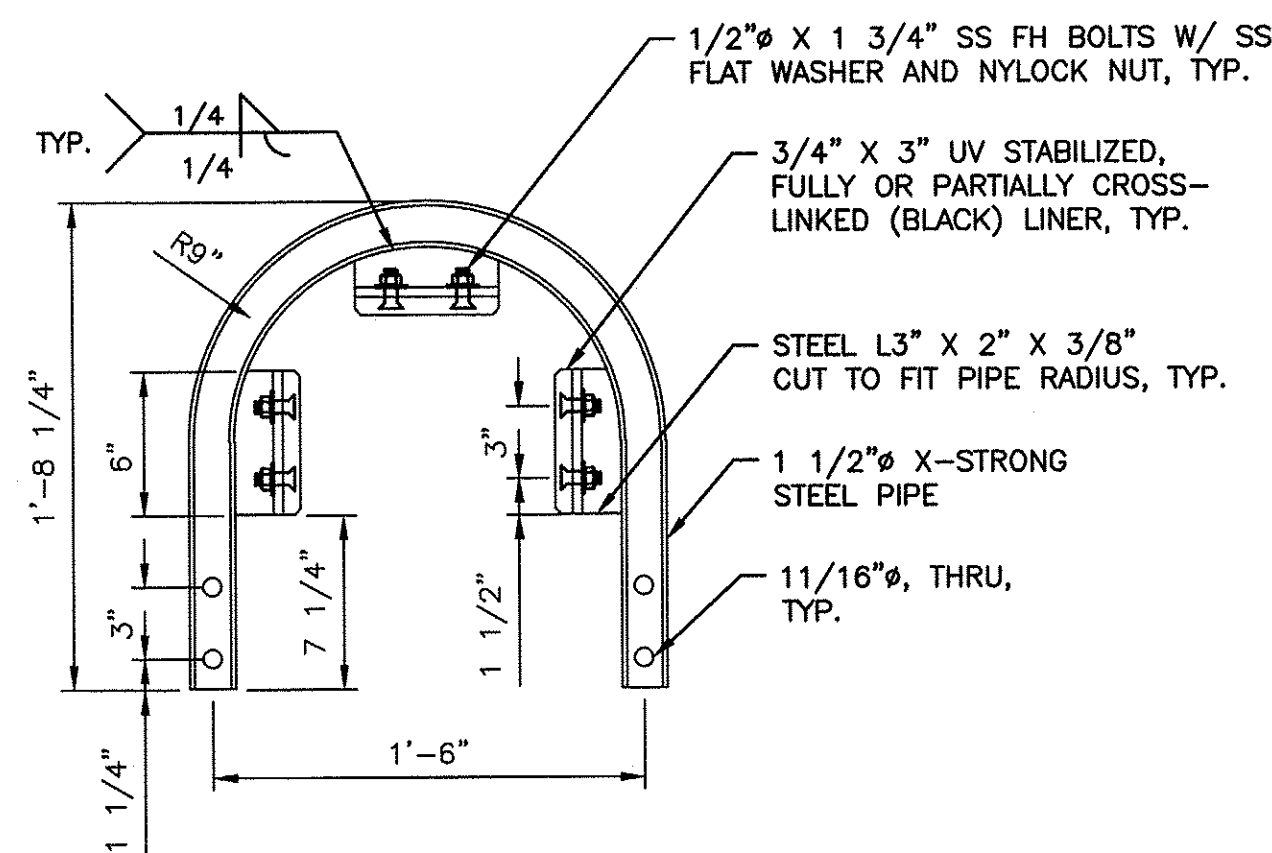
ROSES LAKE ACCESS SITE
REDEVELOPMENT PHASE 2 REBID
FISHING FLOATS SECTIONS

PROJECT NO.
CN:A44:2021-1

SHEET OF
15 19

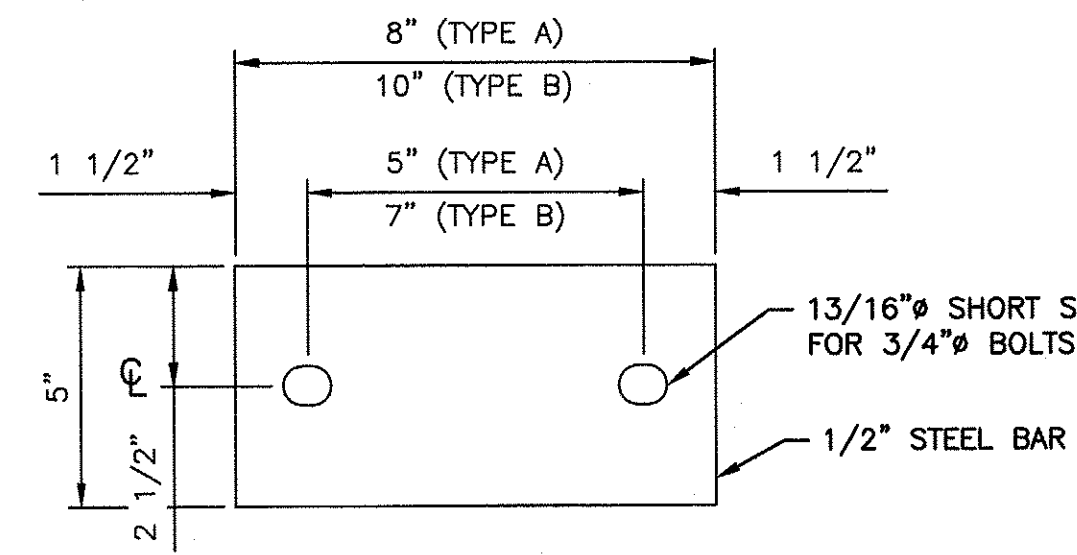


PLAN VIEW



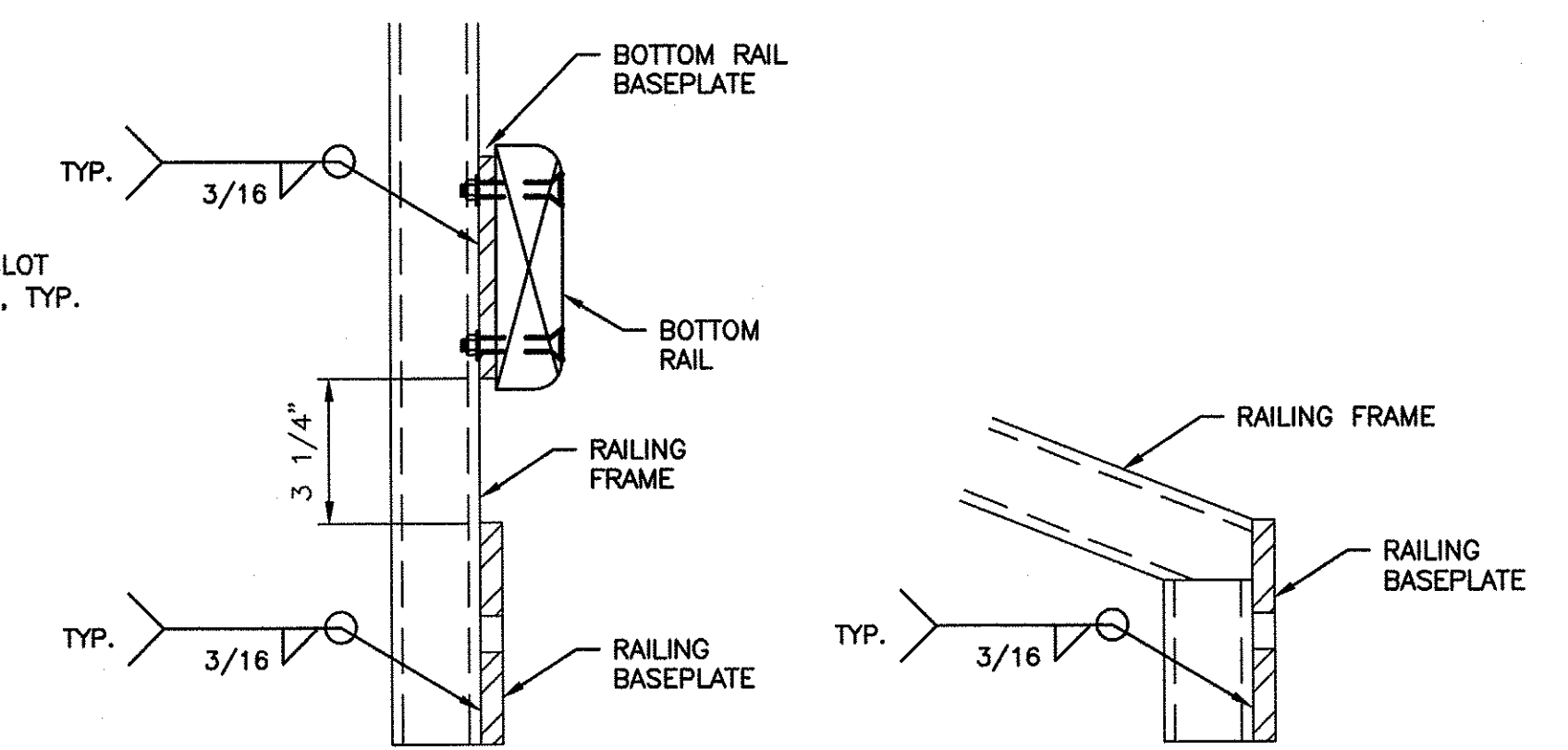
REMOVABLE HOOP

19
1616



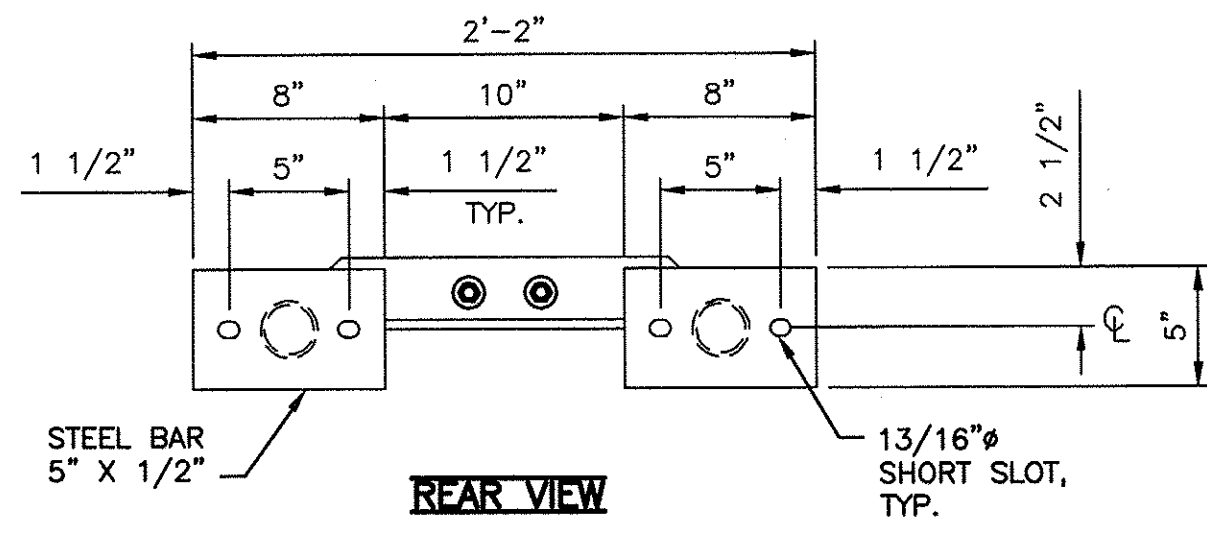
RAILING BASEPLATE

21
1116

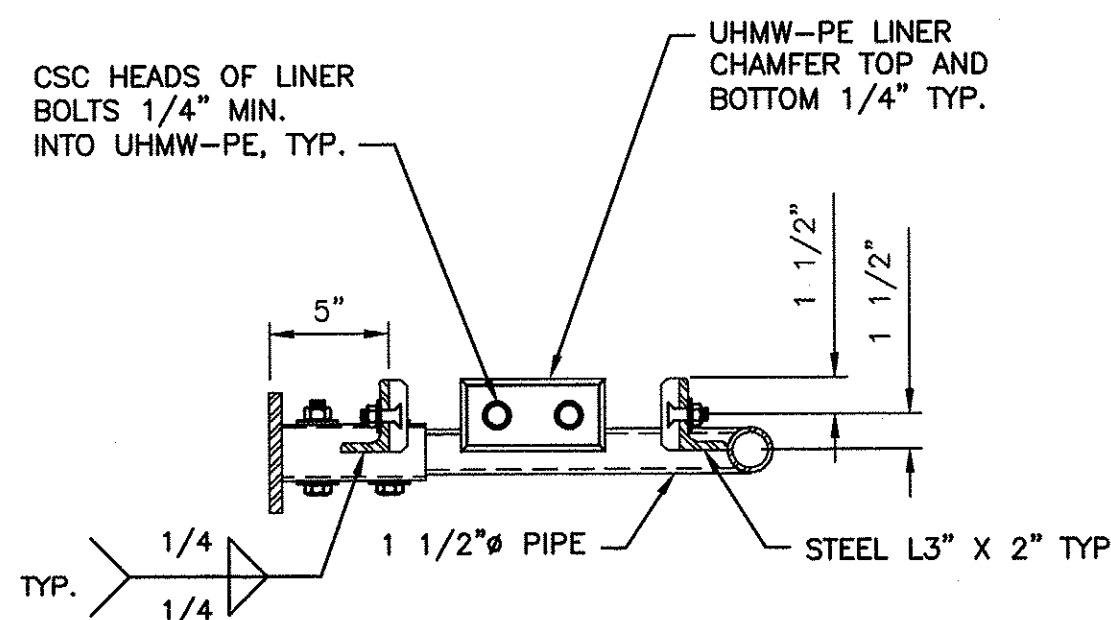


RAILING BASEPLATES - WELD DETAIL

25
1616

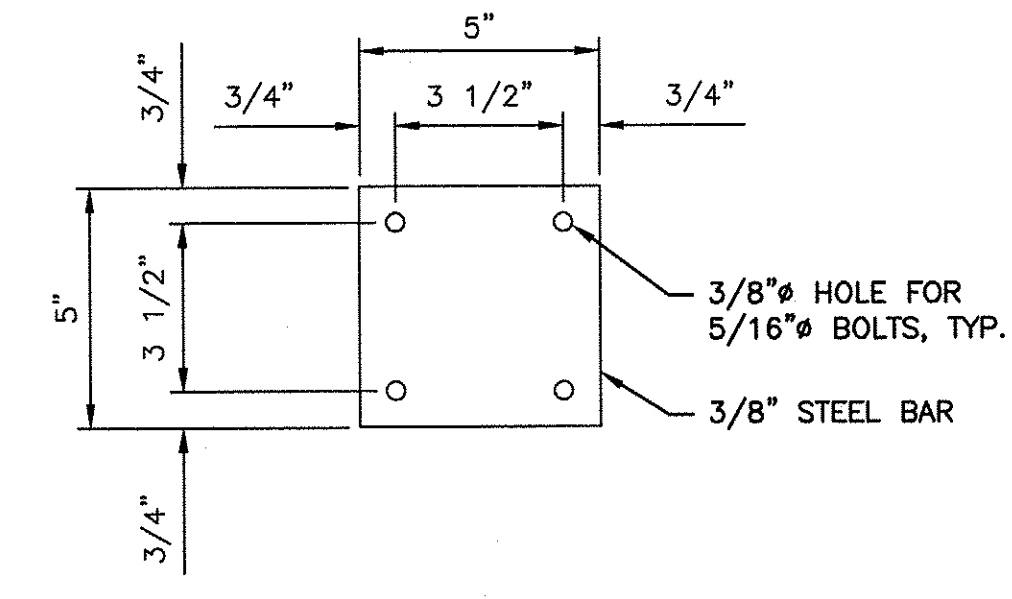


REAR VIEW



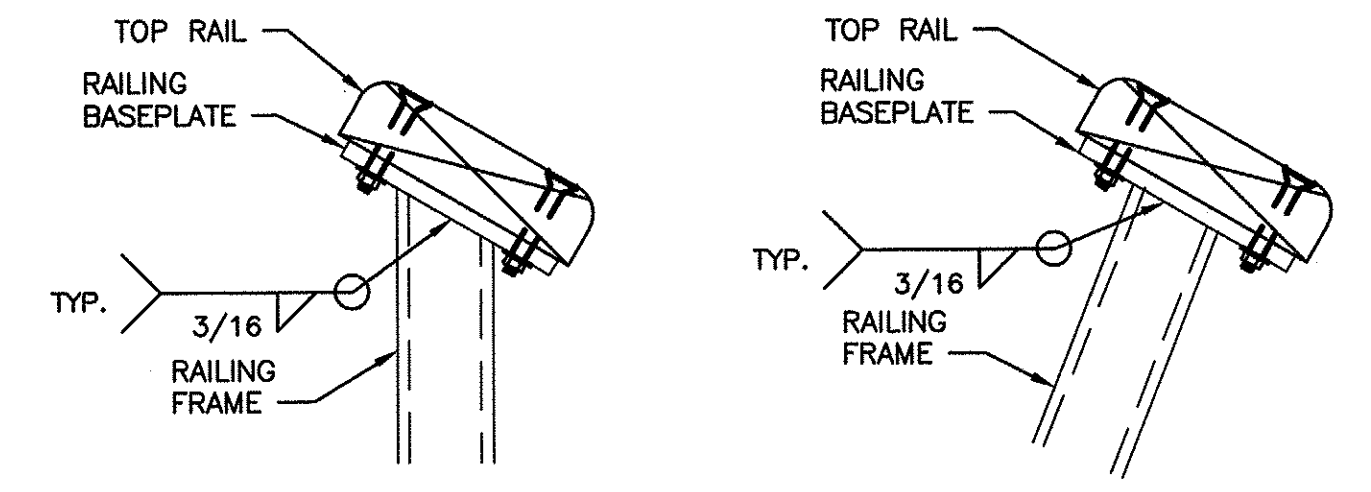
PILE HOOP - SECTION

L
1616



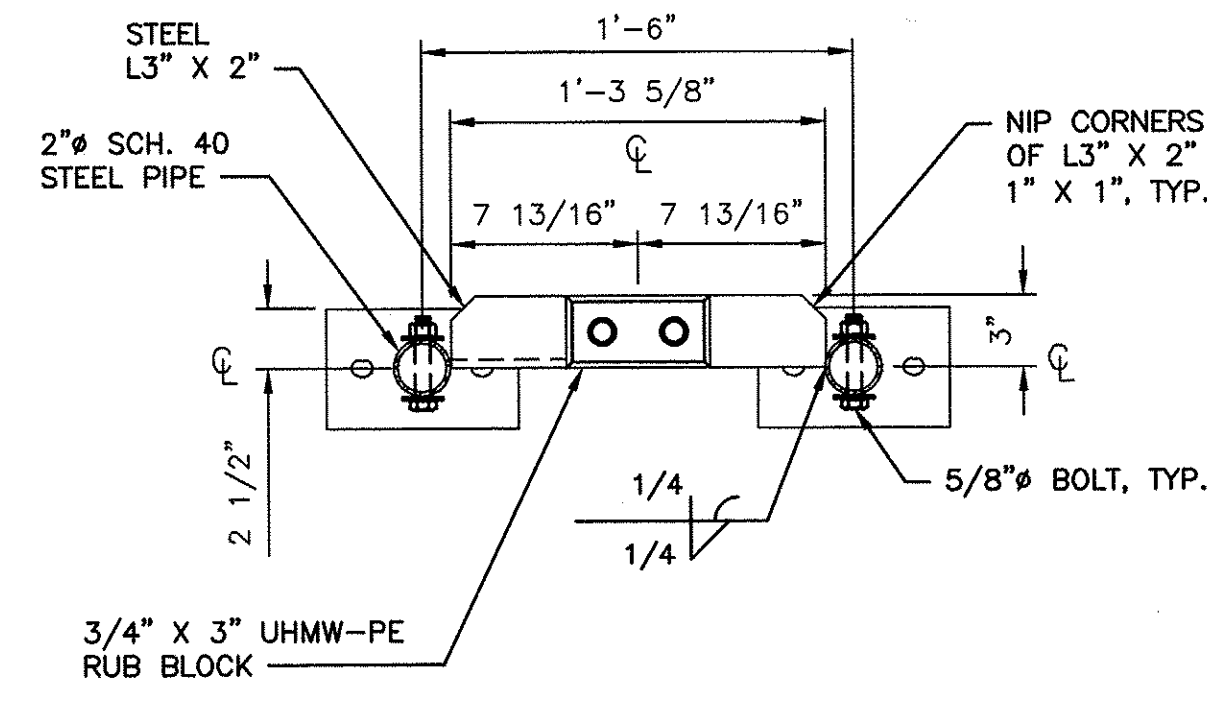
TOP RAIL BASEPLATE

22
1116

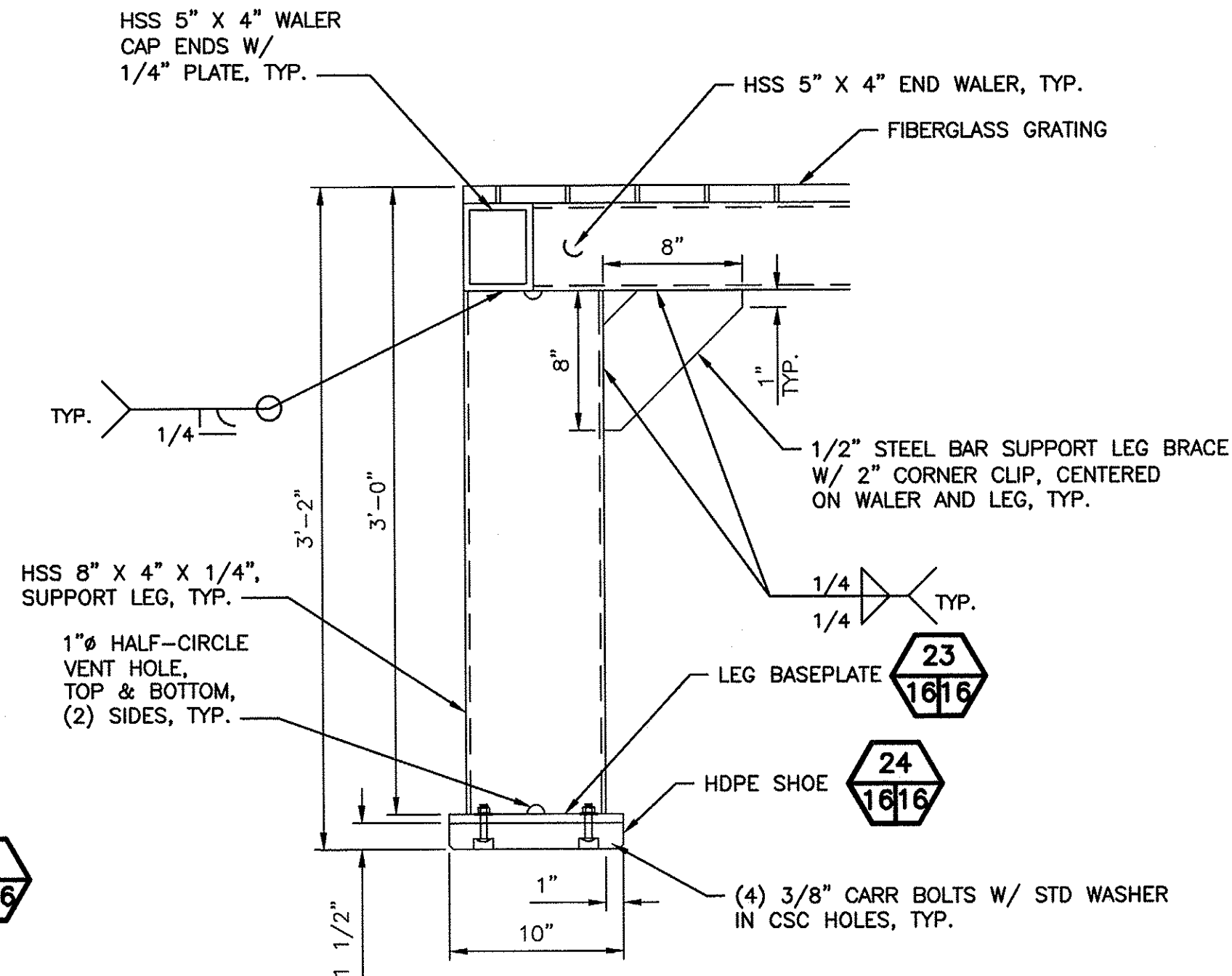


TOP RAIL BASEPLATE - WELD DETAIL

26
1616

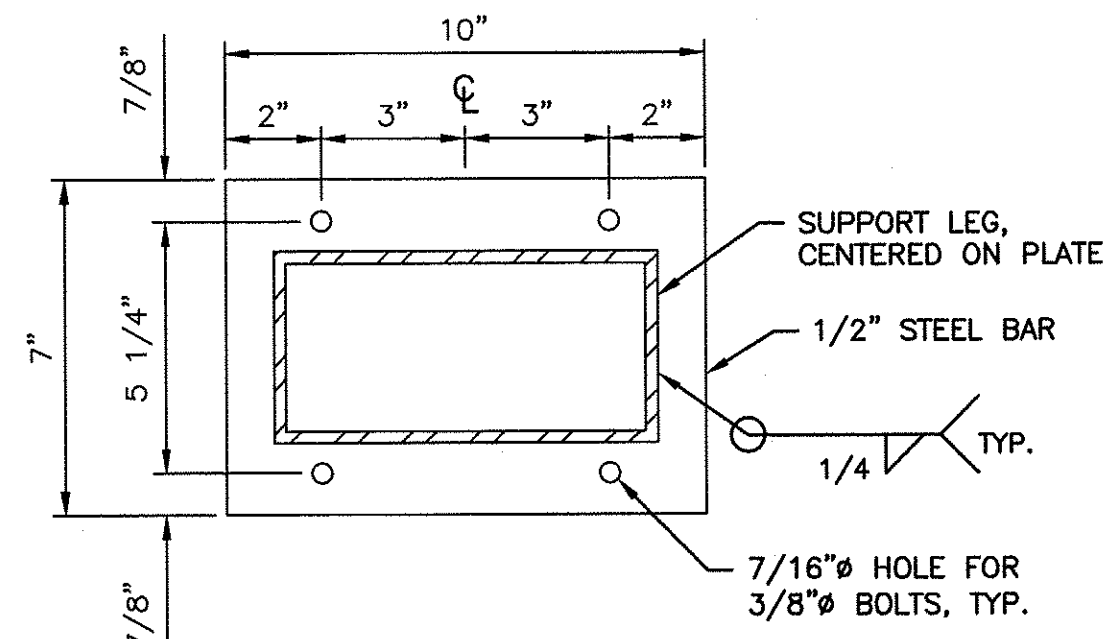


FRONT VIEW



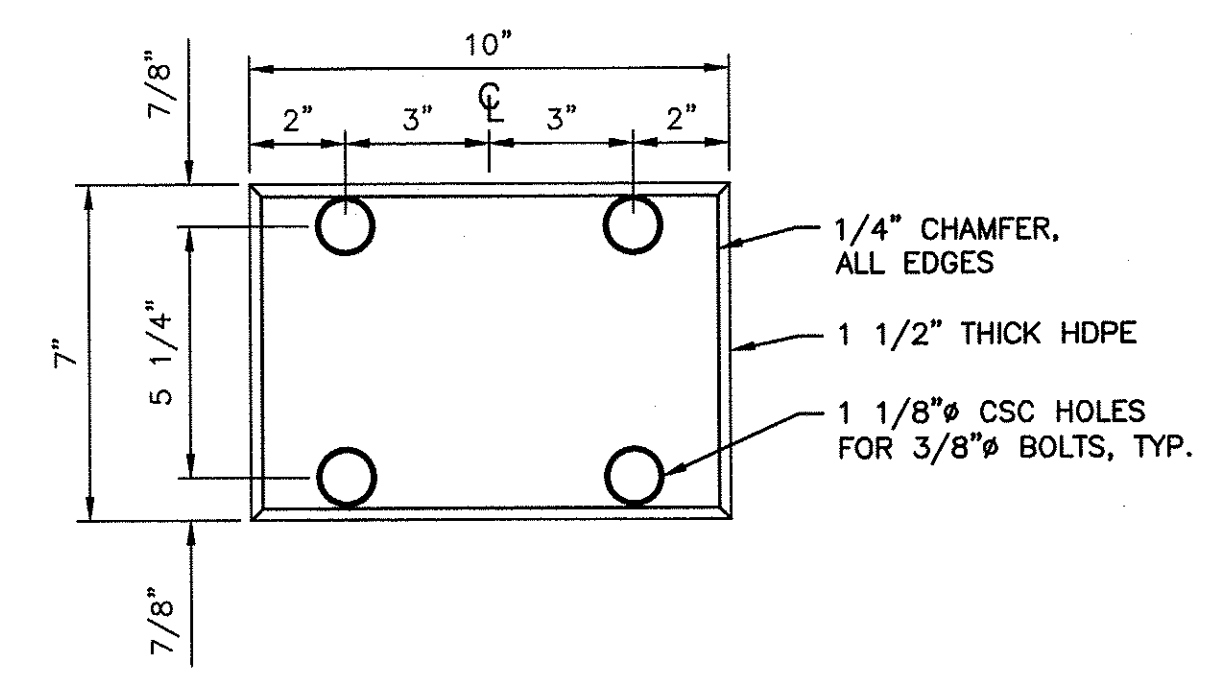
SUPPORT LEG

20 20 20 20 20
1116 1216 1316 1416 1516



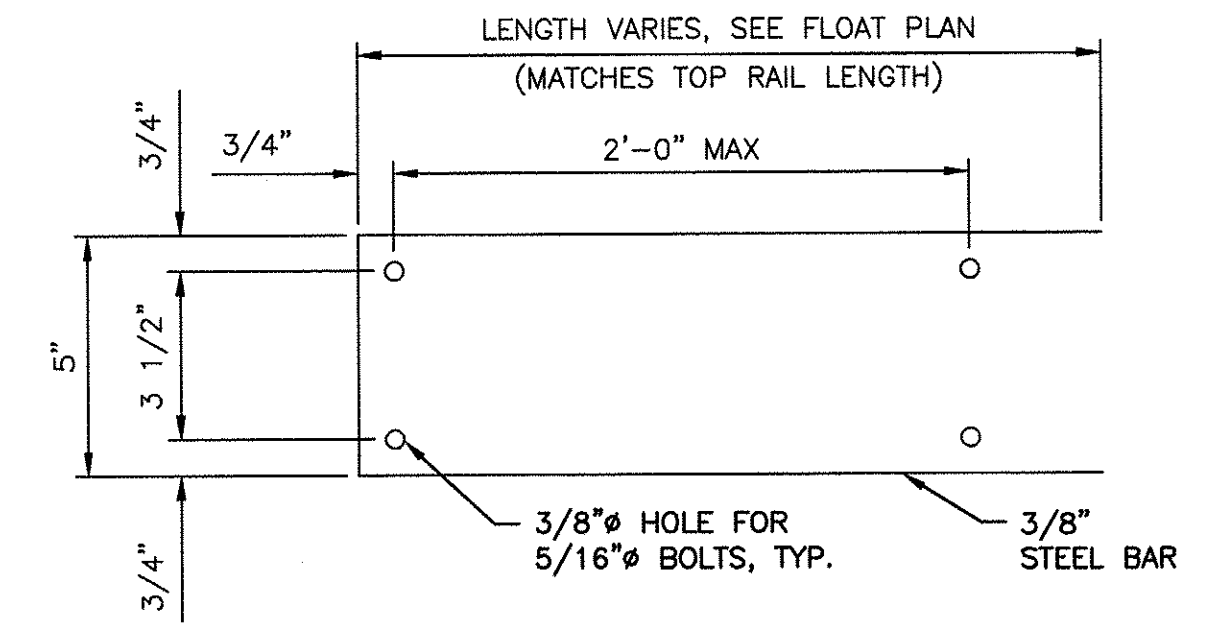
LEG BASEPLATE

23
1616



HDPE SHOE

24
1616



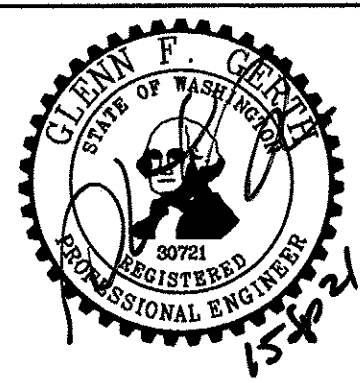
BOTTOM RAIL BASEPLATE

27
1116

EXTERNAL PILE HOOP
 SCALE: 1 1/2" = 1'-0"
 18 18 18 18
 1116 1216 1316 1416

- NOTES
 1. AS SHOWN, EXTERNAL PILE HOOP IS SIZED FOR 8" STEEL PIPE PILE. ACTUAL PILE SIZE IS SITE SPECIFIC AND MAY VARY - SEE PROJECT SPECIFICATIONS.
 2. HOT DIP GALVANIZE ALL STEEL COMPONENTS AFTER FABRICATION

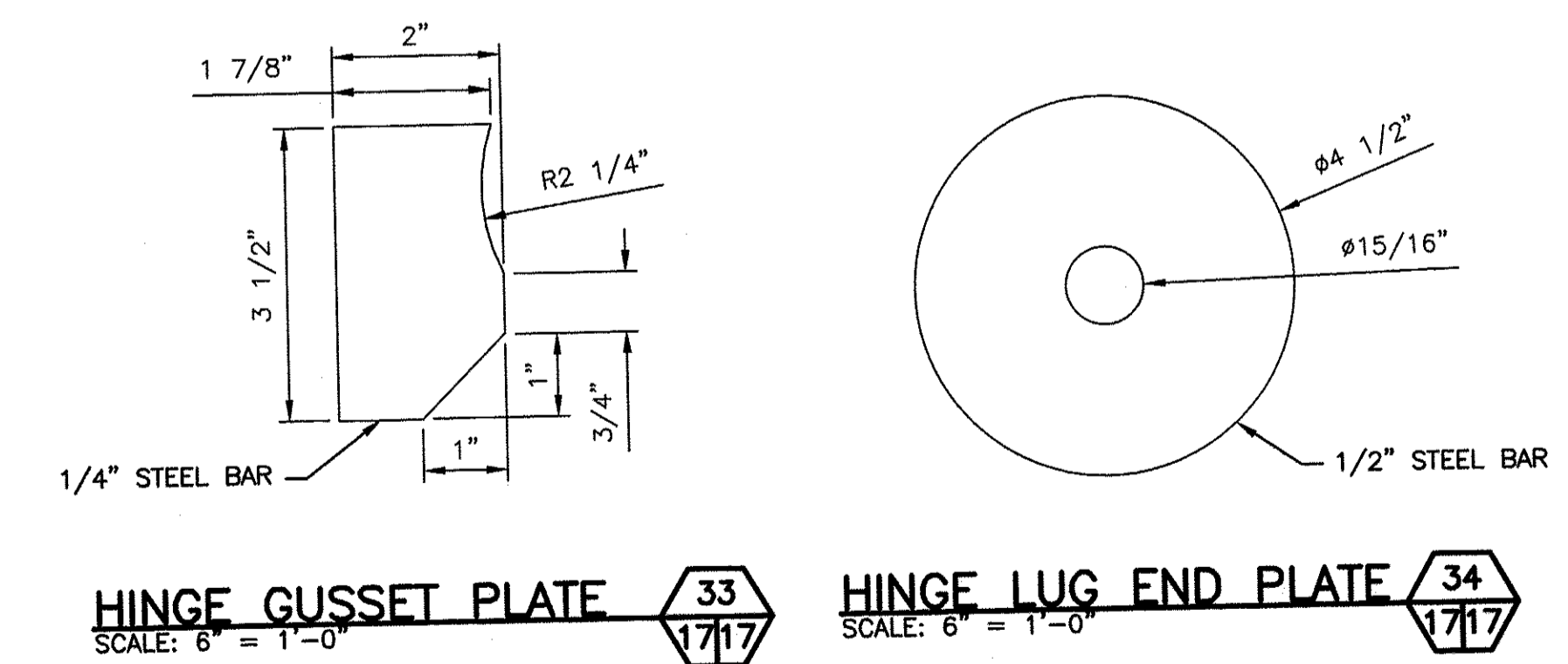
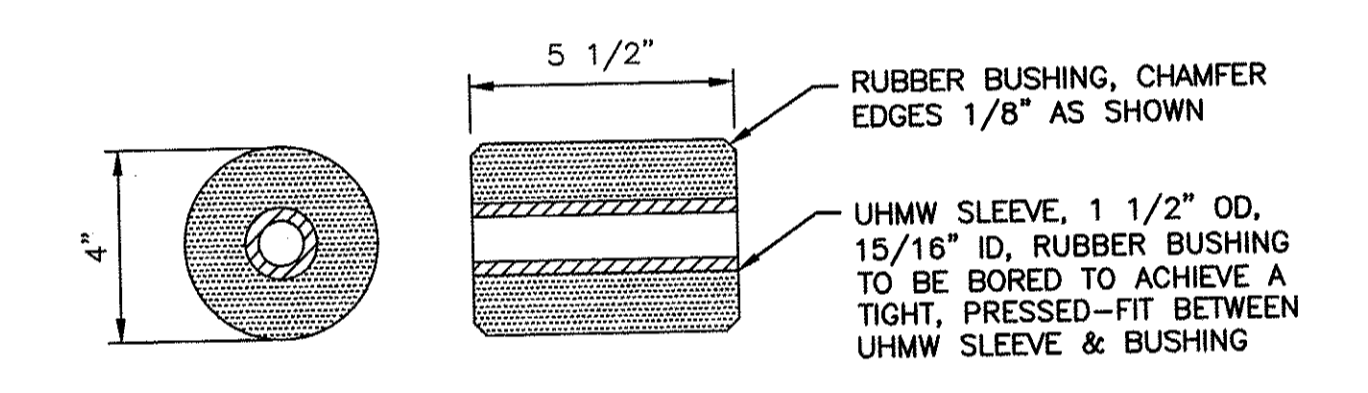
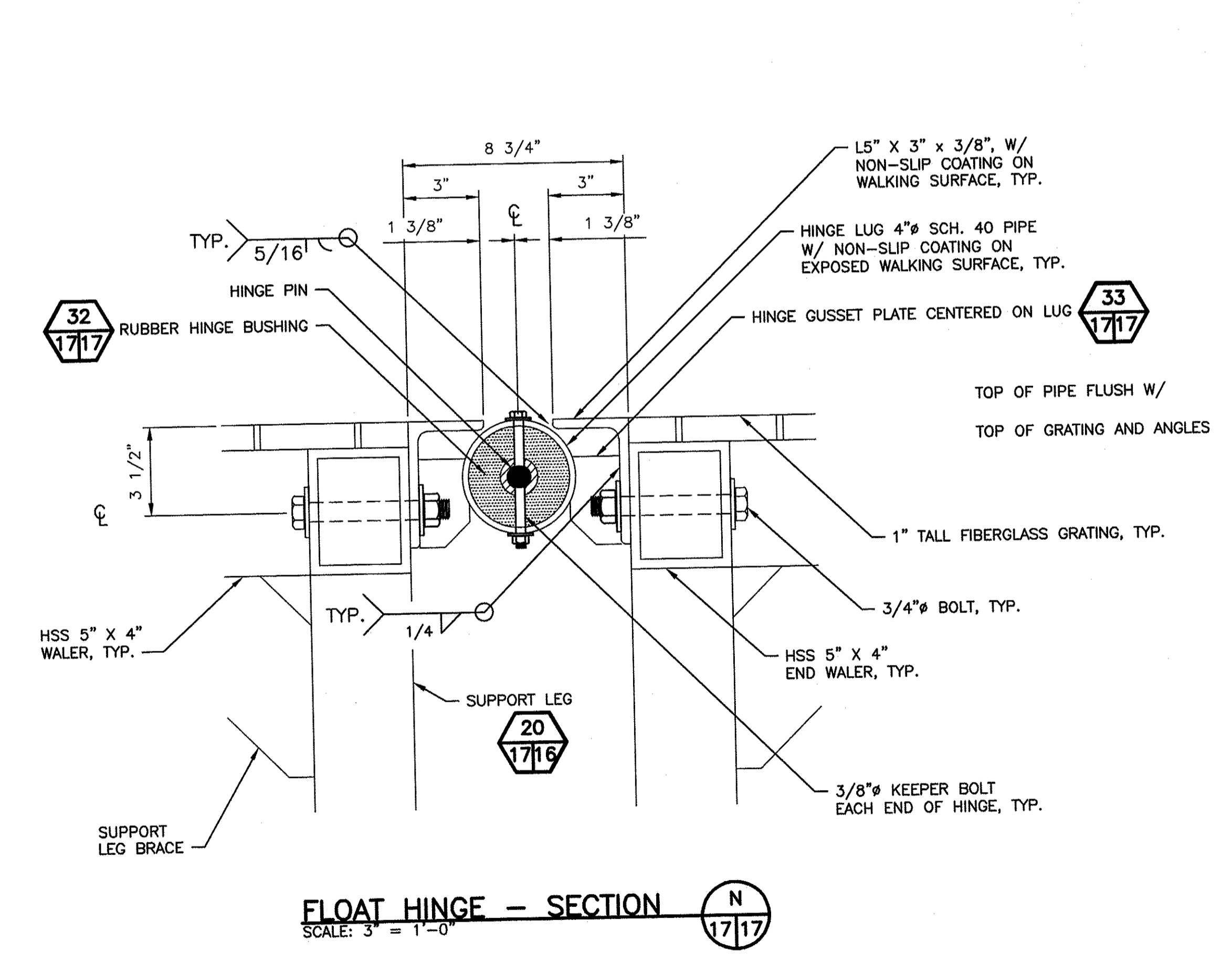
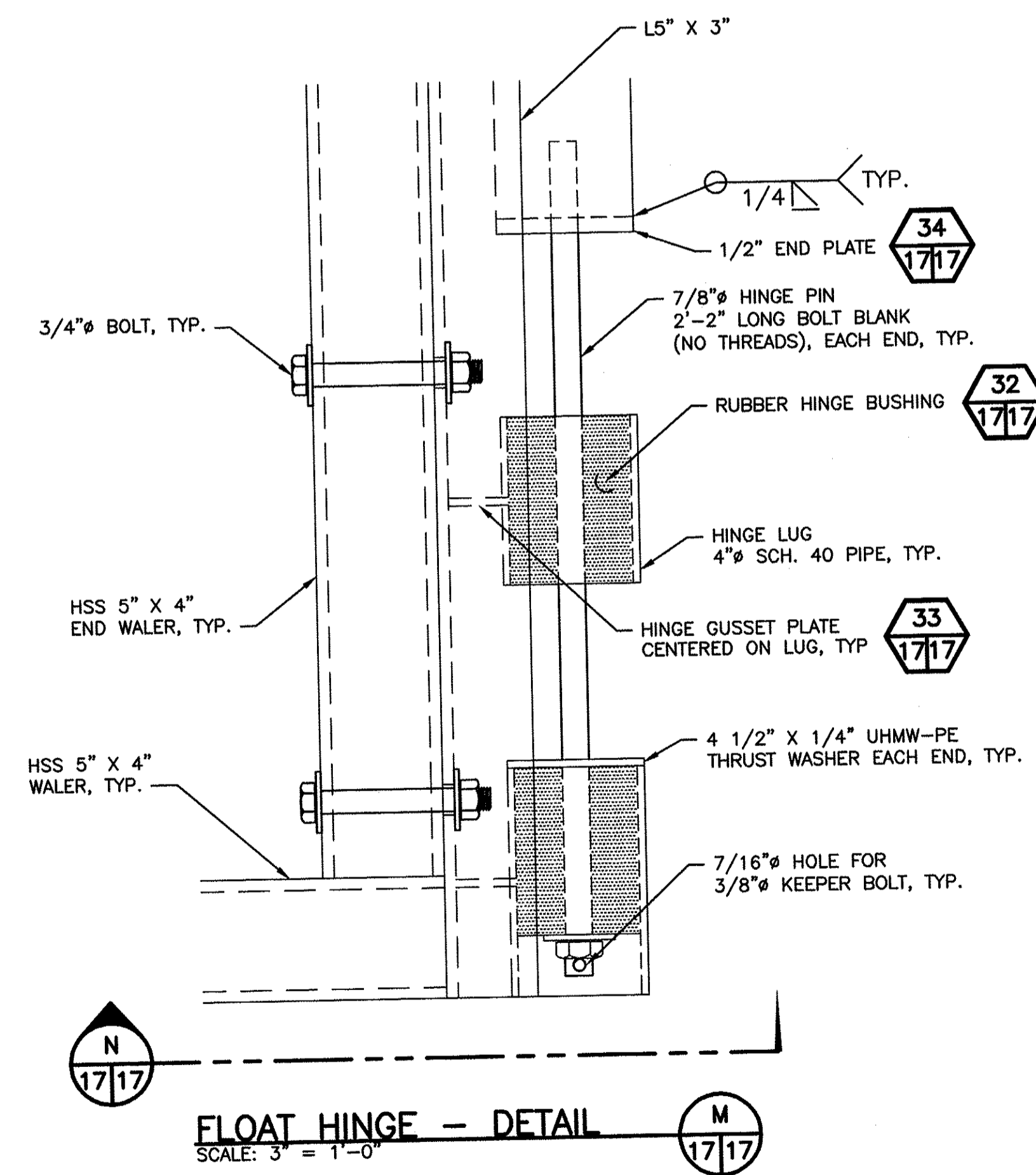
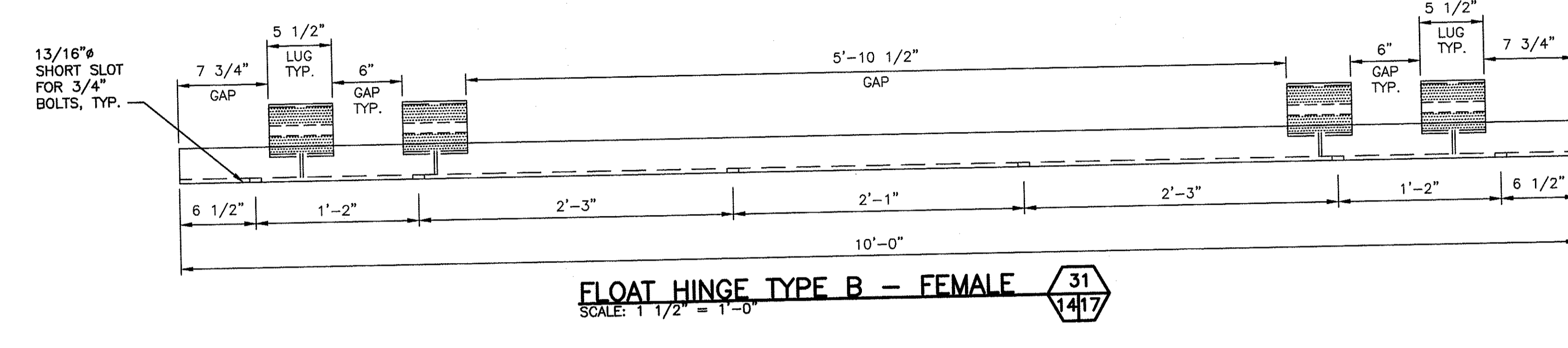
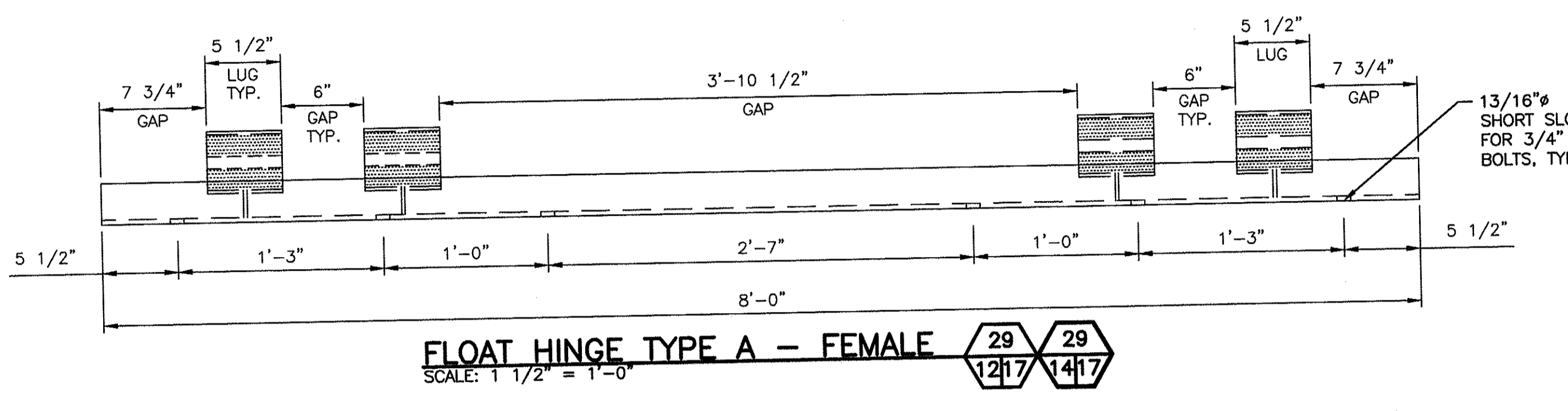
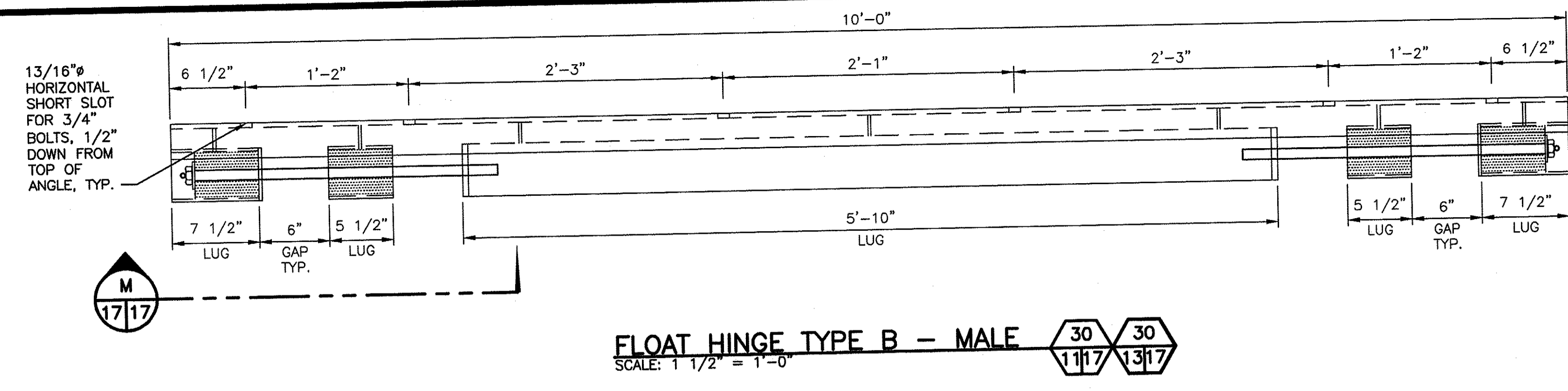
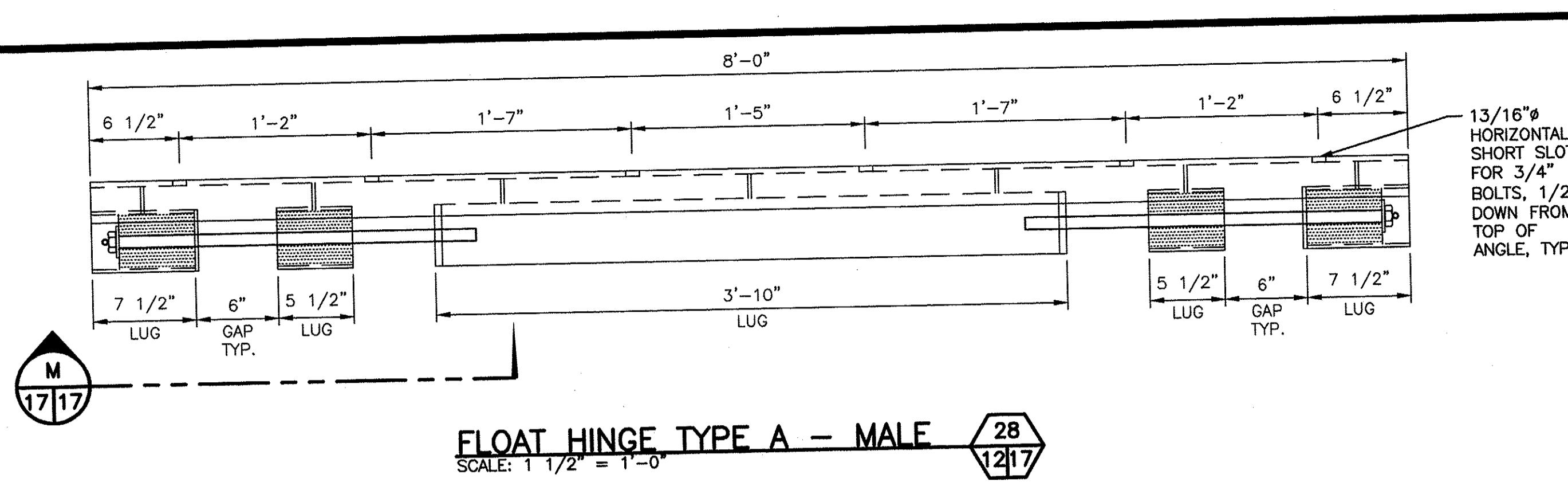
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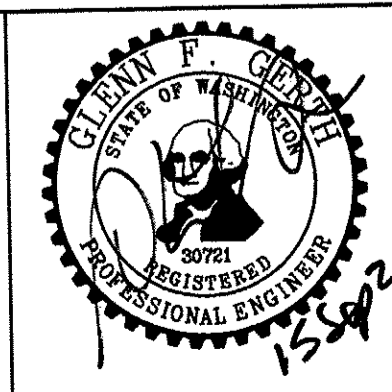
SYM	DATE	REVISION DESCRIPTION	BY
APPROVED AND RELEASED FOR CONSTRUCTION			
CHIEF ENGINEER			DATE: 10/20/21
PROGRAM			DATE: 09/15/2021

ROSES LAKE ACCESS SITE
 REDEVELOPMENT PHASE 2 REBID
 PILE HOOP BASEPLATES & SUPPORT LEG DETAILS

PROJECT NO.
 CN:A44:2021-1
 SHEET 16 OF 19



WASHINGTON DEPARTMENT OF
FISH & WILDLIFE

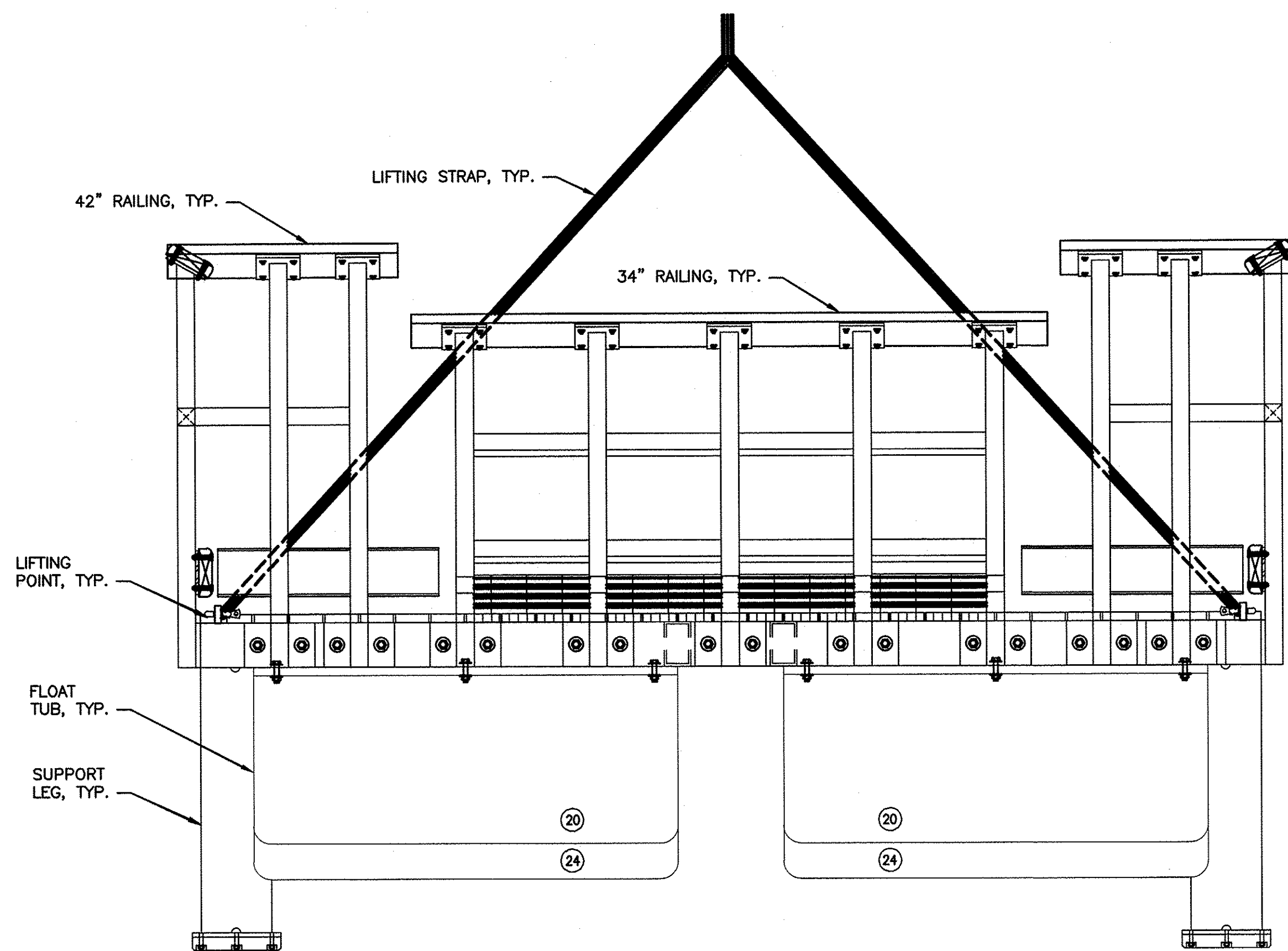


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		APPROVED AND RELEASED FOR CONSTRUCTION	
	15SEP21		
	09/15/2021		

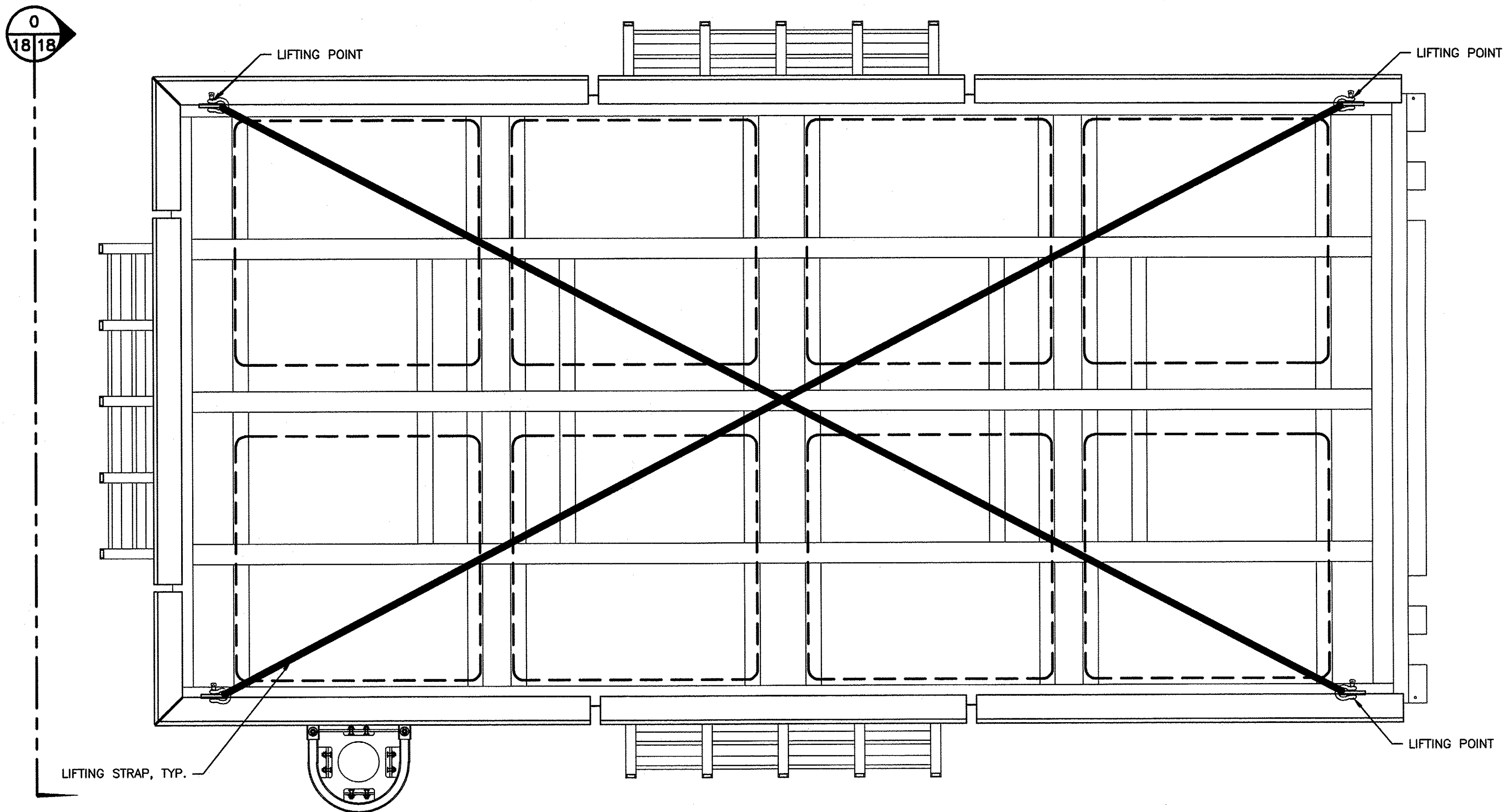
DESIGNED BY WDFW
CHECKED BY D. SMITH
DRAWN BY J. LONG
DATE 09/15/2021

ROSES LAKE ACCESS SITE
REDEVELOPMENT PHASE 2 REBID
FLOAT HINGE DETAILS

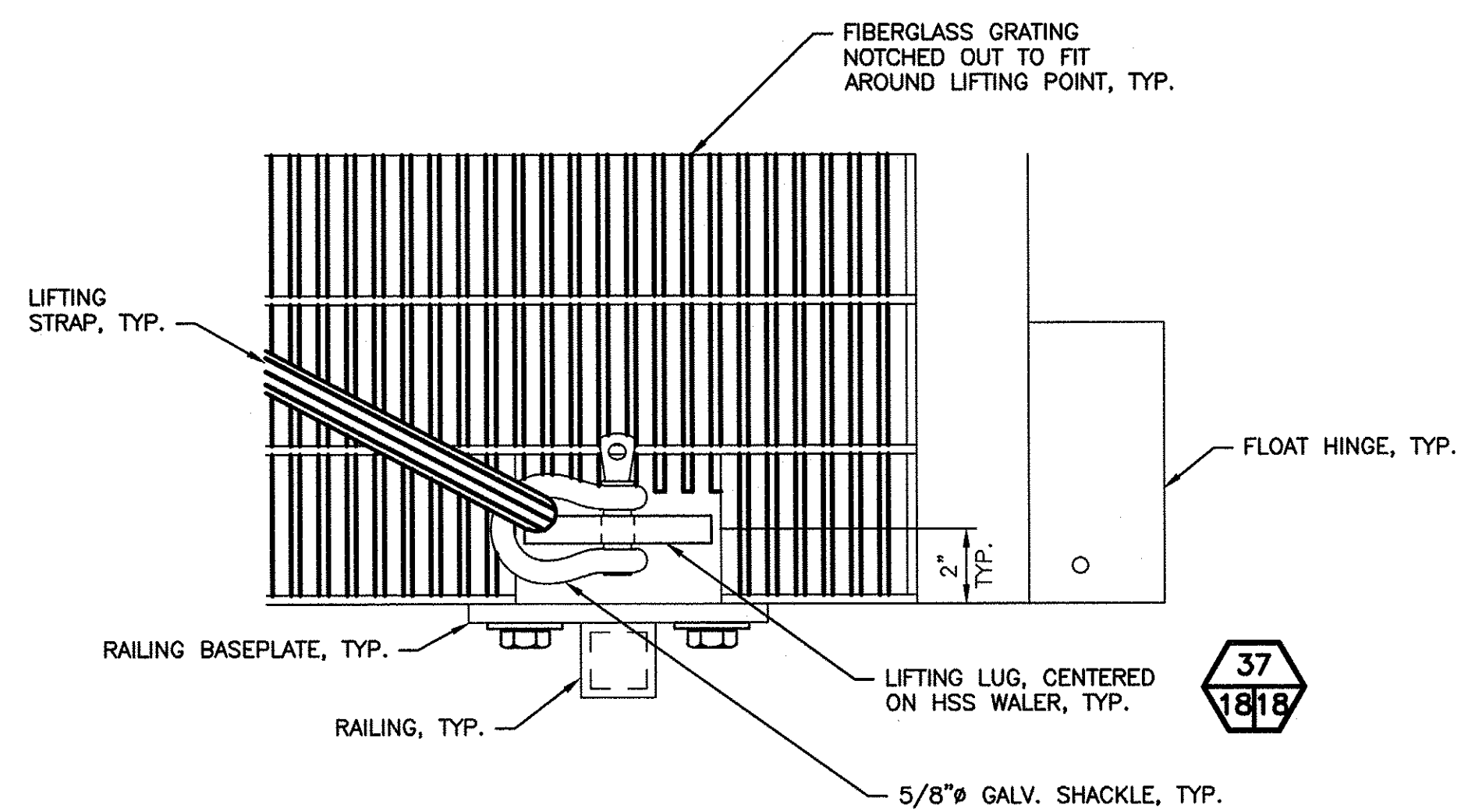
PROJECT NO.
CN:A44:2021-1
SHEET 17 OF 19



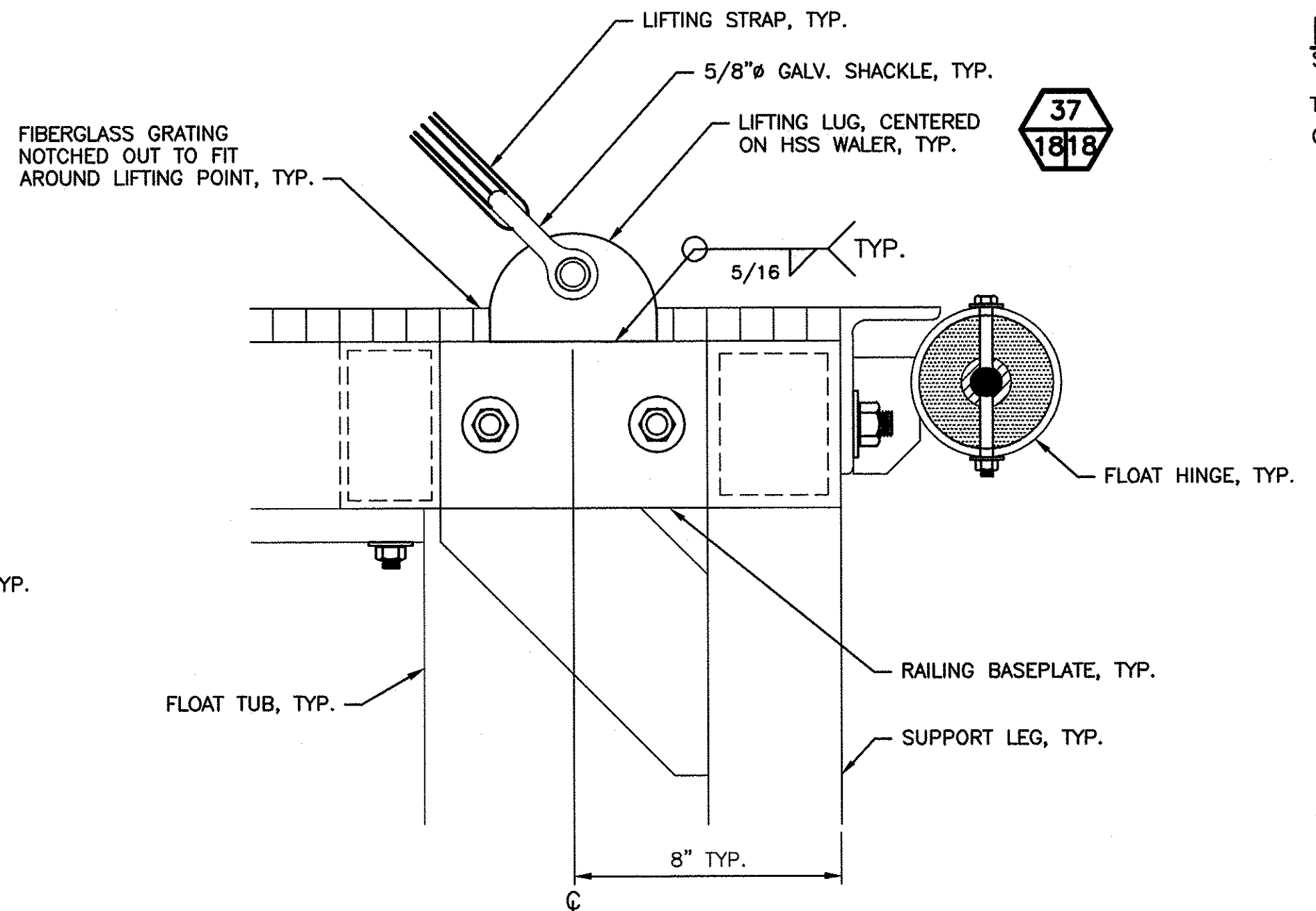
LIFTING POINT LOCATIONS
SCALE: 1" = 1'-0"
TYPE 2 AND 3 FLOAT SHOWN - TYPE 1 SIMILAR.



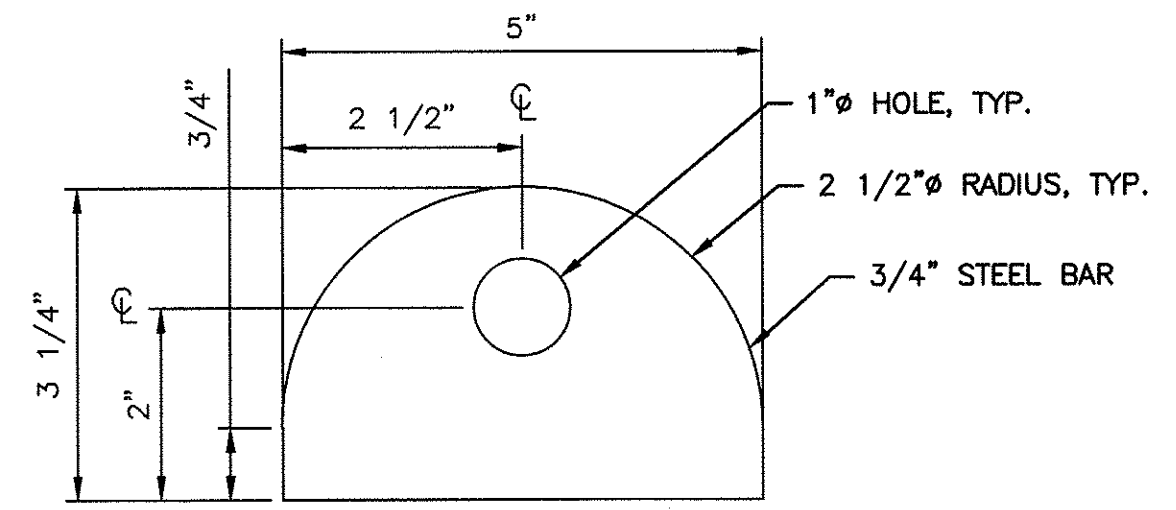
LIFTING POINT LOCATIONS PLAN
SCALE: 1" = 1'-0"
TYPE 2 FLOAT SHOWN - TYPE 1 AND 3 SIMILAR.
GRATING NOT SHOWN FOR CLARITY



PLAN VIEW



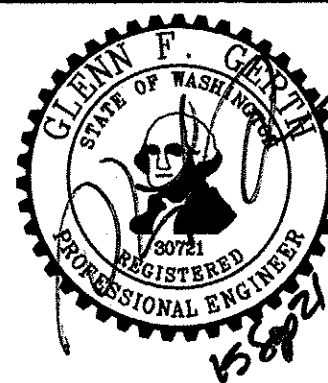
ELEVATION



LIFTING LUG
SCALE: 6" = 1'-0"

LIFTING POINT DETAIL PLAN
SCALE: 3" = 1'-0"
RAILING NOT SHOWN FOR CLARITY

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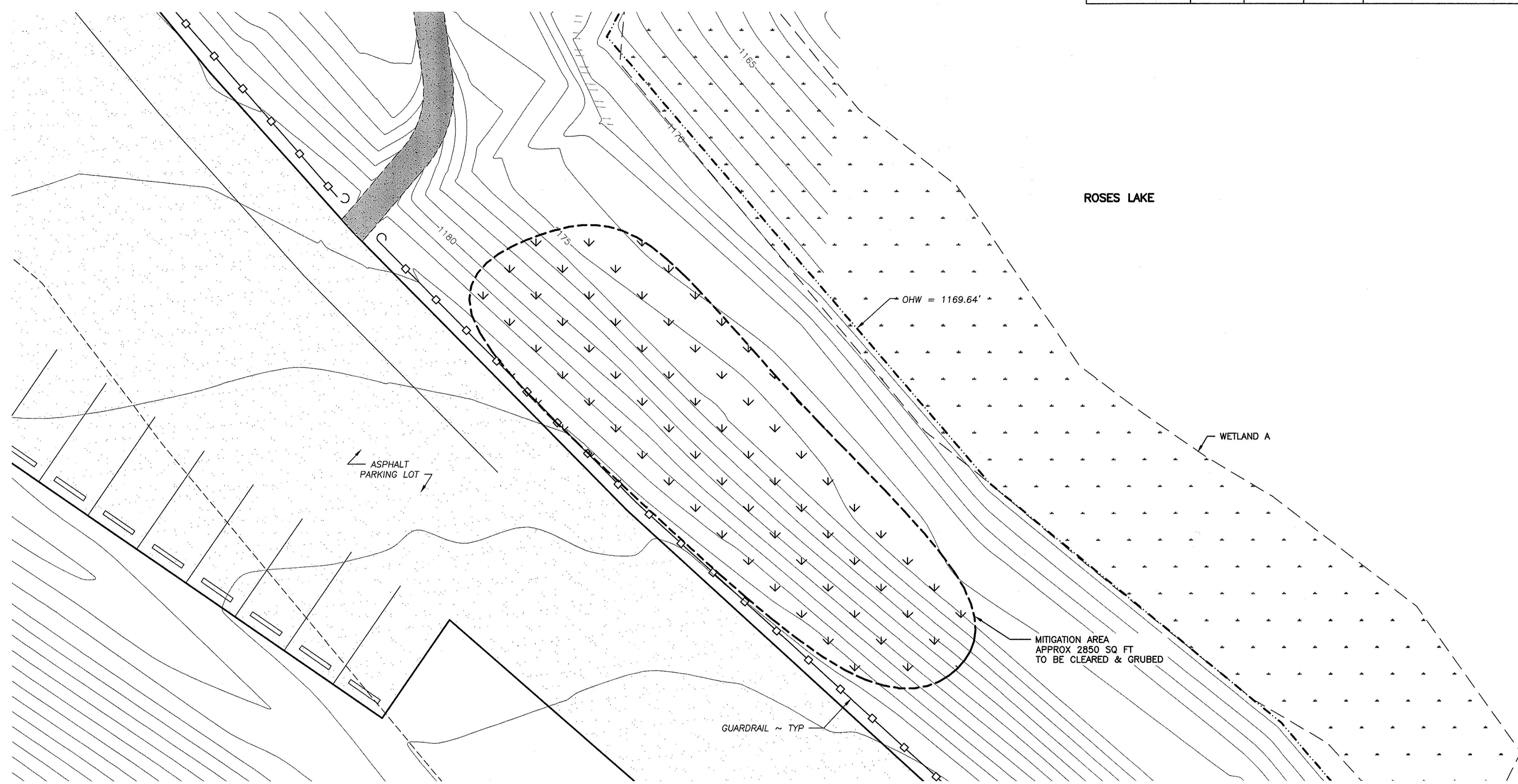
SYM	DATE	REVISION DESCRIPTION	BY
APPROVED AND RELEASED FOR CONSTRUCTION			
CHIEF ENGINEER		DATE: 12/30/21	DESIGNED BY WDFW
PROGRAM		DATE:	CHECKED BY D. SMITH
			DRAWN BY J. LONG
			DATE 09/15/2021

ROSES LAKE ACCESS SITE
REDEVELOPMENT PHASE 2 REBID
FLOAT LIFTING POINTS

PROJECT NO.
CN:A44:2021-1
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ROSES LAKE MITIGATION PLANTINGS				
SPECIES	SIZE	QUANTITY	SPACING	REMARKS
SERVICEBERRY	1 GAL	30	5 FT OC	FULL SUN TO PARTIAL SHADE; GROUPED
WOODS ROSE	1 GAL	30	5 FT OC	FULL SUN, WELL-DRAINED SOIL; GROUPED
MOCK ORANGE	1 GAL	30	5 FT OC	FULL SUN TO PARTIAL SUN, WELL-DRAINED SOIL; GROUPED
RED OSIER DOGWOOD	1 GAL	30	5 FT OC	FULL SUN TO PARTIAL SUN, WELL-DRAINED SOIL; GROUPED
OCEAN SPRAY	1 GAL	30	5 FT OC	FULL SUN, SOIL ADAPTABLE; GROUPED



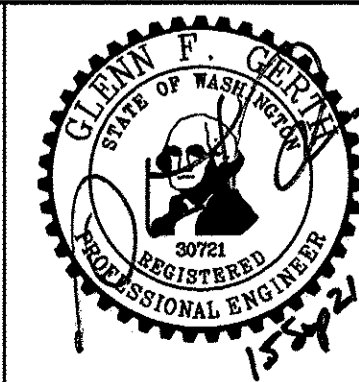
MITIGATION PLAN



NOTES:

1. ALL INVASIVE PLANTS SPECIES TO BE REMOVED WITHIN MITIGATION AREA.
2. NEW PLANTINGS TO BE INSTALLED WITHOUT DISTURBING EXISTING NATIVE PLANTS.
3. INSTALL 3" THICK FINE BARK MULCH.
4. SEED ALL DISTURBED AREAS WITH NATIVE GRASS MIX.
5. SEE PLANTING SCHEDULE.

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SYM	DATE	REVISION DESCRIPTION	BY
		APPROVED AND RELEASED FOR CONSTRUCTION	
CHIEF ENGINEER		<i>[Signature]</i>	DATE: 15 Sep 21
PROGRAM			DATE: 09/15/2021

ROSES LAKE ACCESS SITE
REDEVELOPMENT PHASE 2 REBID
MITIGATION PLAN

PROJECT NO.
CN:A44:2021-1
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