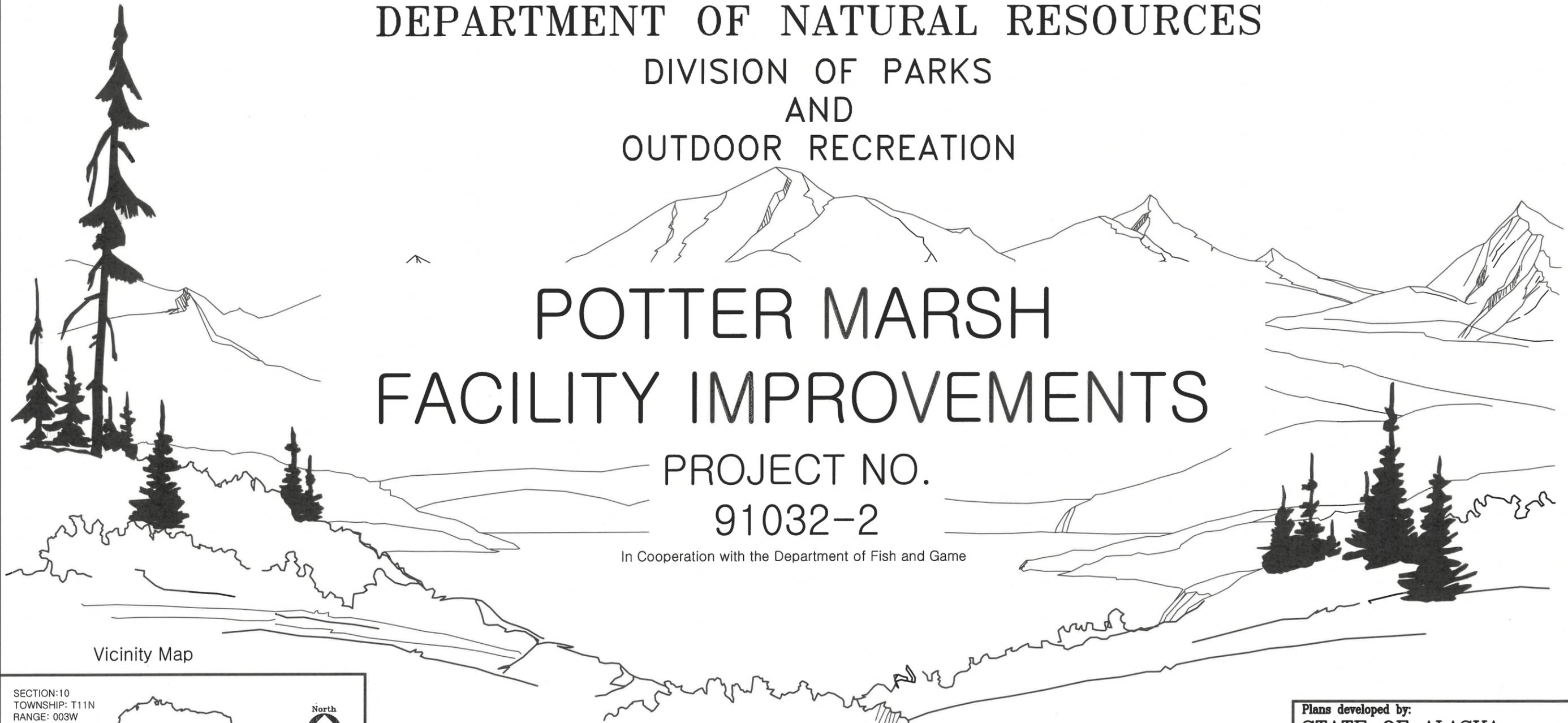


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 DEPARTMENT OF NATURAL RESOURCES  
 DIVISION OF PARKS  
 AND  
 OUTDOOR RECREATION

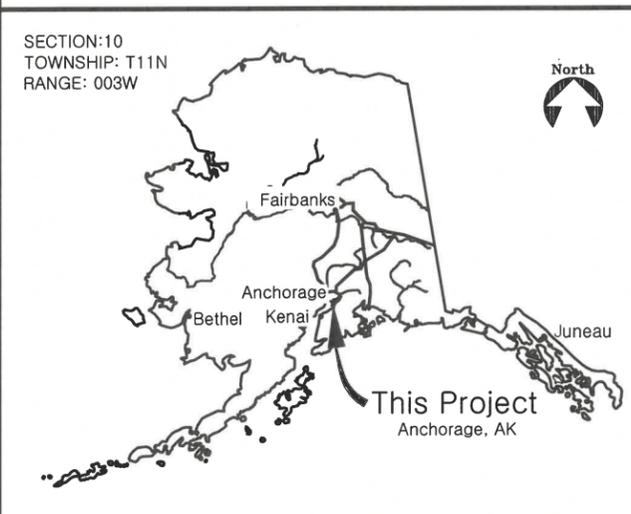
POTTER MARSH  
 FACILITY IMPROVEMENTS

PROJECT NO.  
 91032-2

In Cooperation with the Department of Fish and Game



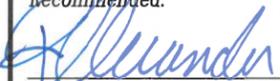
Vicinity Map



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Plans developed by:  
**STATE OF ALASKA**  
 Department of Natural Resources  
 Division of Parks & Outdoor Recreation  
 550 W 7th Ave. Suite 1340, Anchorage, AK 99501

Recommended:  
 2/11/2026  
 Rys Miranda, P.E. Date  
 Chief, Design and Construction

Approved:  
 2/11/2026  
 Steve Matsuoka Date  
 DF&G, Division of Wildlife Conservation

EXISTING	PROPOSED	
		EDGE OF AC PAVEMENT
		EDGE OF VEGETATION
		EDGE OF WATER
		MAJOR CONTOUR LINE
		MINOR CONTOUR LINE
		EDGE OF GRAVEL ROAD/PARKING
		BURIED ELECTRIC
		LIMIT OF CUT SLOPE
		LIMIT OF FILL SLOPE
		CULVERT
		SIGN
		BARRIER ROCK
		TREE
		WETLANDS

ABBREVIATIONS	ABBREVIATIONS
∅	DIAMETER
AC	ASPHALT CONCRETE
ACWR	ANCHORAGE COASTAL WILDLIFE REFUGE
ALUM.	ALUMINUM
AMATS	ANCHORAGE METROPOLITAN TRANSPORTATION SOLUTIONS
APPROX.	APPROXIMATE
C.F.	CUBIC FOOT
C.S.	CONTINGENT SUM
C.Y.	CUBIC YARD
DOT	ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
ELEV.	ELEVATION
EST.	ESTIMATE
F.G.	FINISH GRADE
G.	HIGHWAY
IN.	INCH
LB/LBS	POUND/POUNDS
L.F.	LINEAR FEET
L.S.	LUMP SUM
M.	MAXIMUM
M.E.	MATCH EXISTING
MIN.	MINIMUM
MP	MILEPOST
NO.	NUMBER
O.G.	ORIGINAL GROUND
OHW	ORDINARY HIGH WATER
PIP	PROTECT IN PLACE
PT	PERFORATED STEEL POST
P.	QUANTITY
RD.	ROAD
REQ'D	REQUIRED
ROW	RIGHT OF WAY
S.F.	SQUARE FEET
S.Q.A.	STAINLESS STEEL
STA.	STANDARD
S.Y.	SQUARE YARD
TYP.	TYPICAL

ESTIMATE OF QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
201.0009.0000	CLEARING AND GRUBBING	L.S.	ALL REQ'D
505.0005.0000	FURNISH STRUCTURAL STEEL HELICAL PILE	L.F.	2080
505.0006.0000	DRIVE STRUCTURAL STEEL HELICAL PILE	EACH	104
506.2001.0000	TIMBER VIEWING DECK - SUBSTRUCTURE	L.S.	ALL REQ'D
506.2001.0001	TIMBER VIEWING DECK - DECKING	S.F.	2315
506.2001.0002	STAIRS	L.S.	ALL REQ'D
622.2006.0000	SPOTTING SCOPE	EACH	2
622.2007.0000	ELP WALKWAY	S.F.	210
622.2023.0000	RAILING	L.F.	687
622.2024.0000	CHAIN LINK GATE	L.S.	ALL REQ'D
622.2025.0000	INTERPRETIVE BRACKETS	EACH	3
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	L.S.	ALL REQ'D
641.0001.0000	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	C.S.	ALL REQ'D
641.0002.0000	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	C.S.	ALL REQ'D
641.0006.0000	WITHHOLDING	C.S.	ALL REQ'D
642.0001.0000	CONSTRUCTION SURVEYING	L.S.	ALL REQ'D
642.0003.0000	THREE PERSON SURVEY PARTY	HOURLY	10
643.0001.0000	TRAFFIC MAINTENANCE	L.S.	ALL REQ'D
647.2002.0000	BACKHOE, 4WD, 1 CY, 75 HP MINIMUM, 15 FT	C.S.	ALL REQ'D

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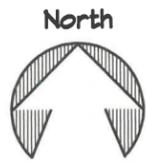
POTTER MARSH FACILITY IMPROVEMENTS  
 PROJECT No. 91032-2

LEGEND, ABBREVIATIONS, &  
 ESTIMATE OF QUANTITIES

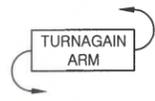
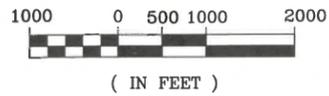


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SHEET  
 2  
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**GRAPHIC SCALE**



RABBIT CREEK RD.

OLD SEWARD HWY.

POTTER MARSH

SEWARD HWY.

POTTER VALLEY RD.

PROJECT LOCATION:  
4525 POTTER VALLEY ROAD  
ANCHORAGE, AK 99516

POTTER VALLEY RD

MP 115.4 SEWARD HIGHWAY

EDGE OF SHORELINE (TYP.)

SEWARD HIGHWAY

WETLANDS (TYP.)

**GRAPHIC SCALE**



( IN FEET )

EDGE OF SHORELINE (TYP.)

WETLANDS (TYP.)

TO GIRWOOD

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VICINITY MAP



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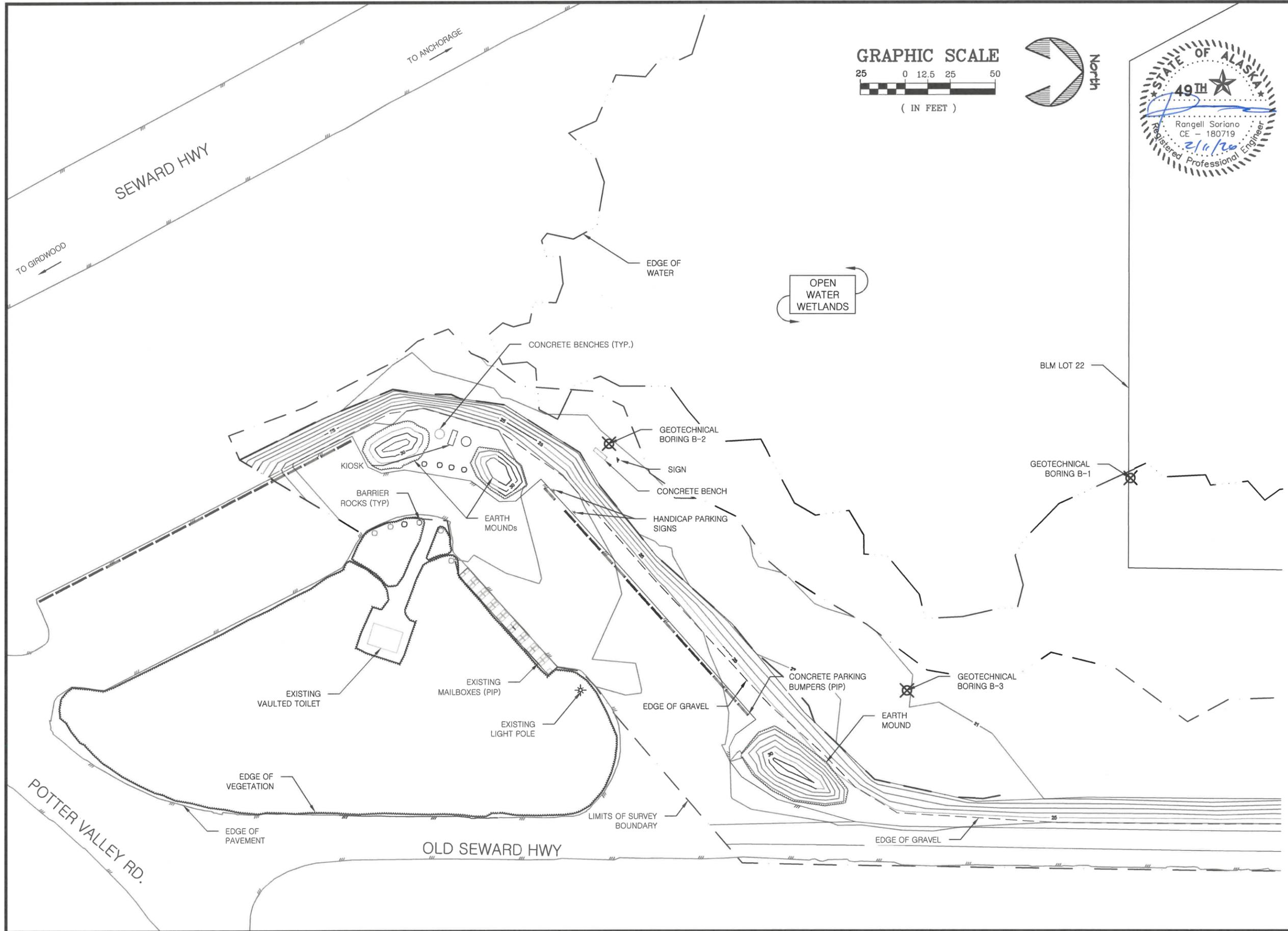


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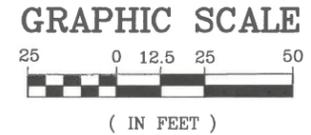
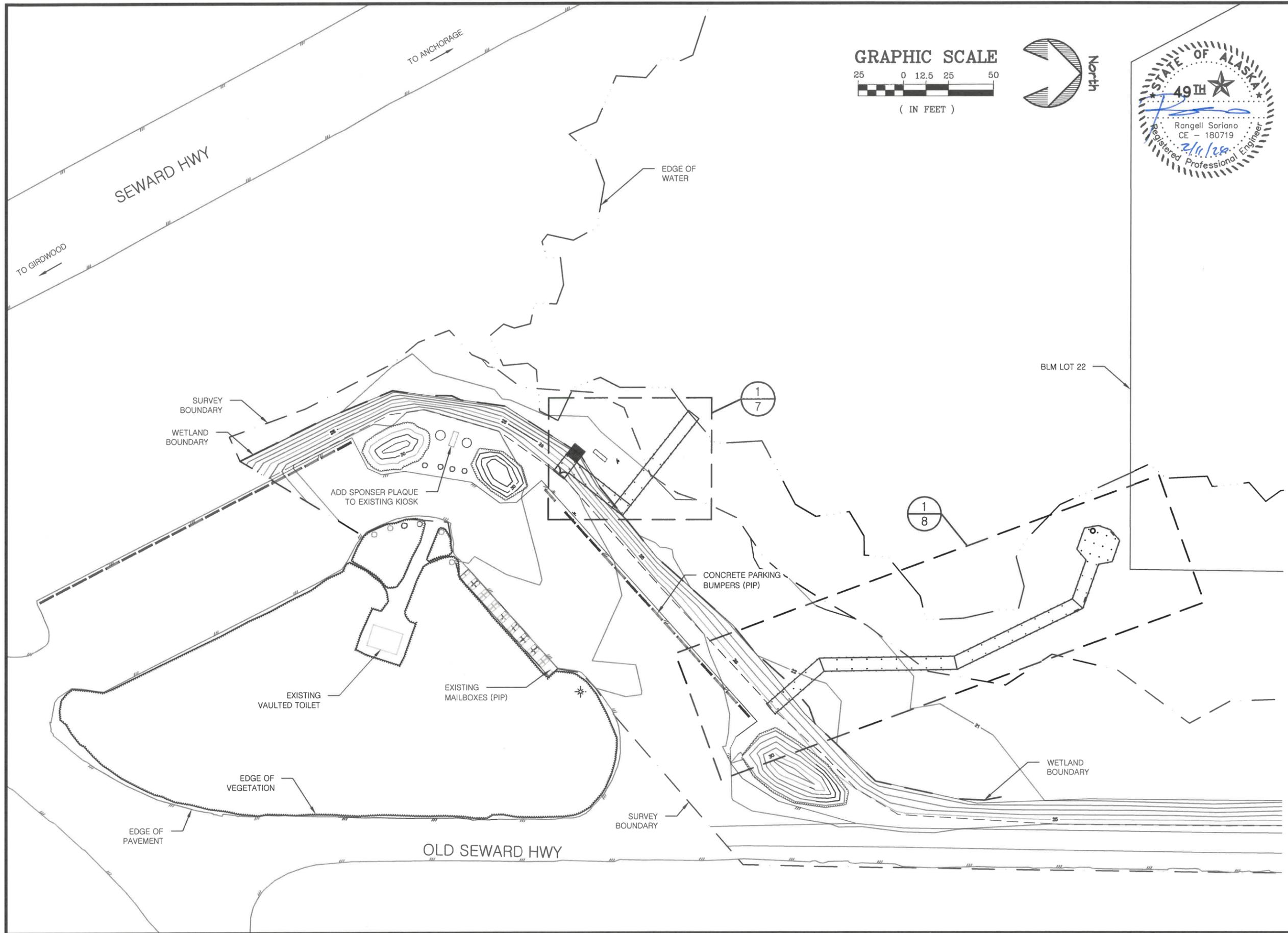
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EXISTING CONDITIONS



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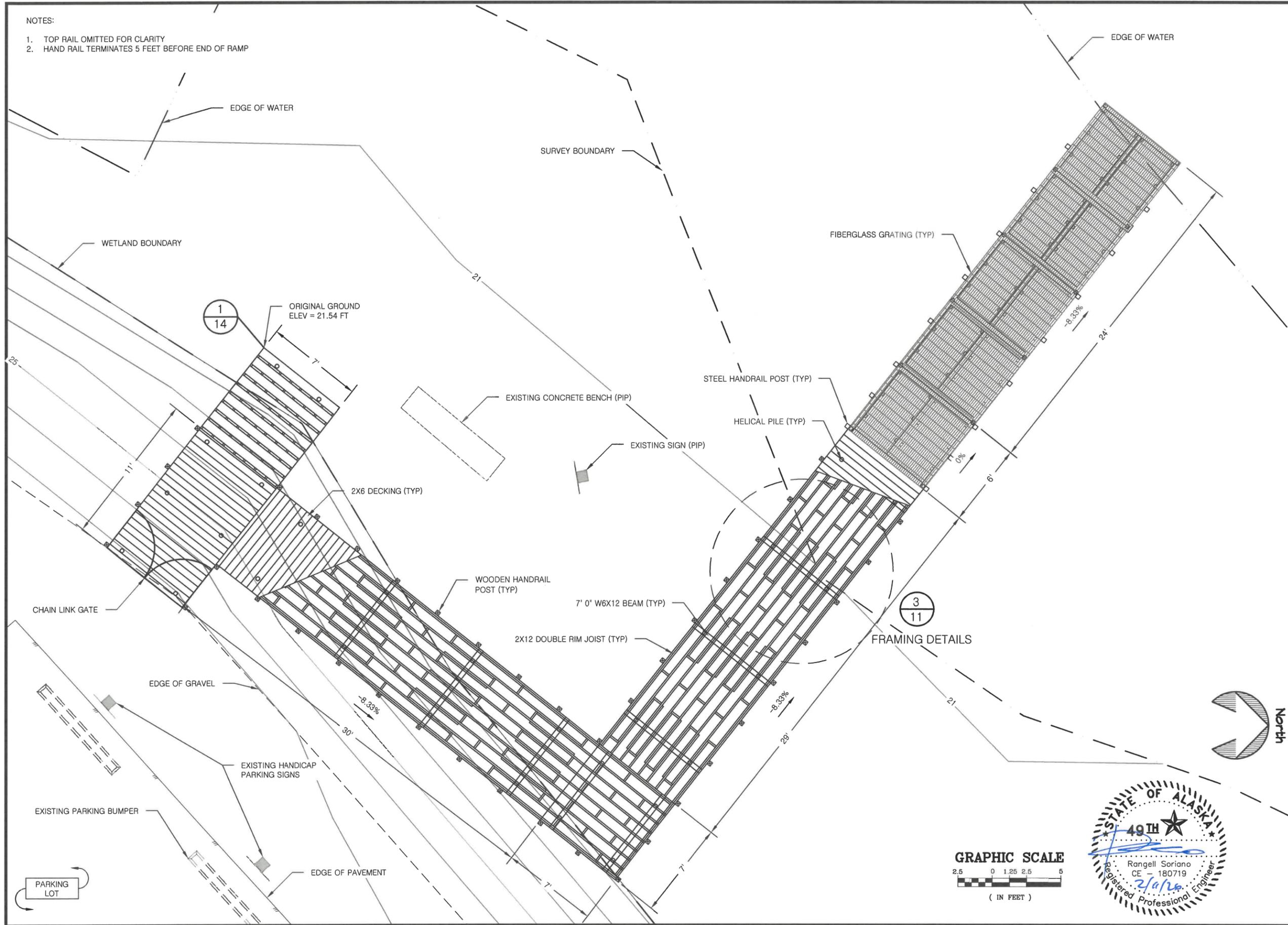
SITE PLAN



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- NOTES:
1. TOP RAIL OMITTED FOR CLARITY
  2. HAND RAIL TERMINATES 5 FEET BEFORE END OF RAMP



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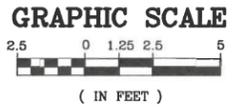
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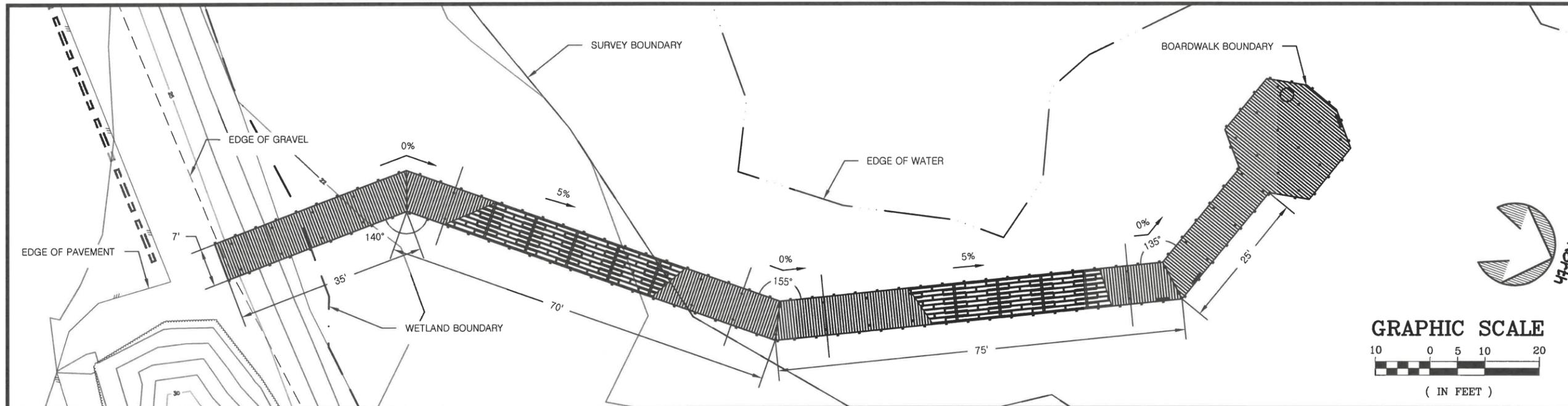
SITE PLAN - SKATING ACCESS



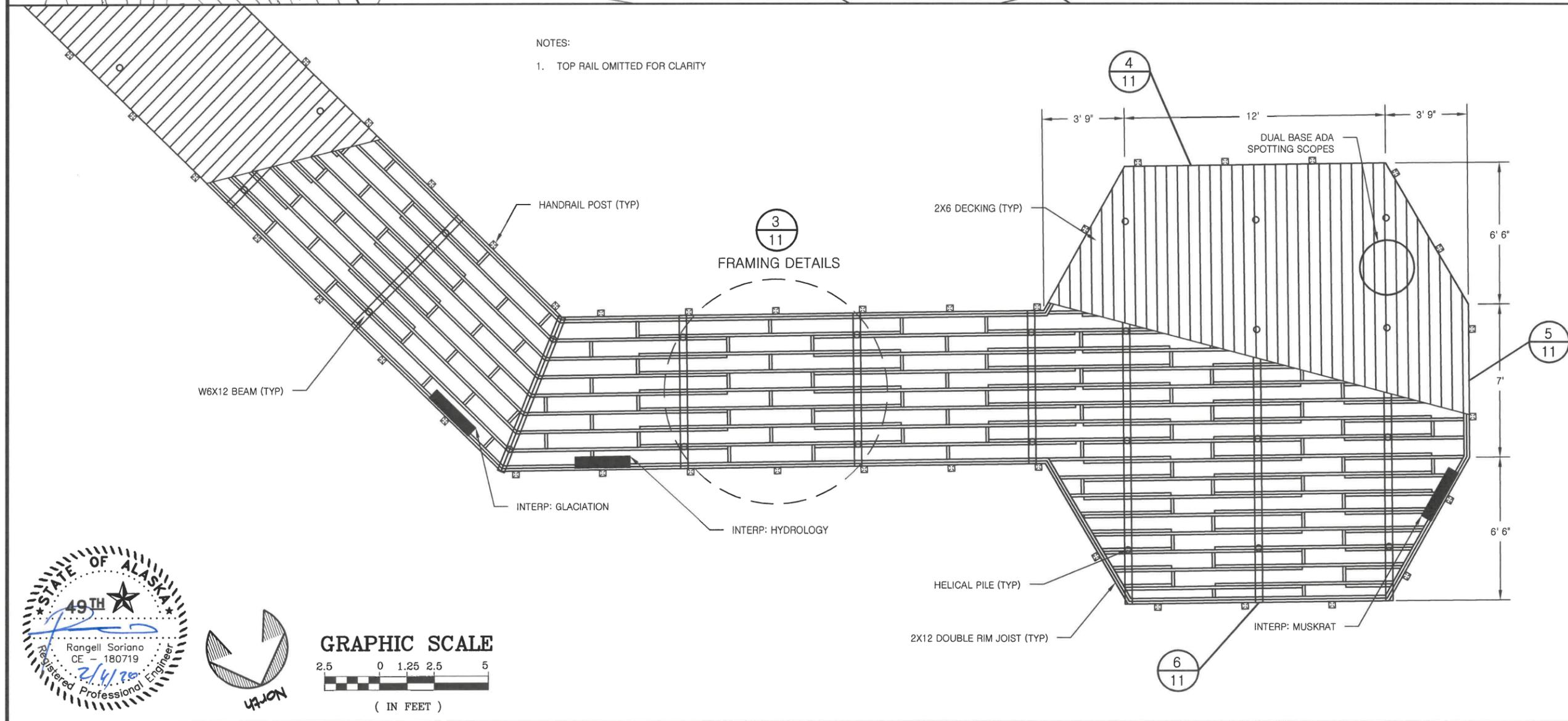
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NOTES:  
1. TOP RAIL OMITTED FOR CLARITY



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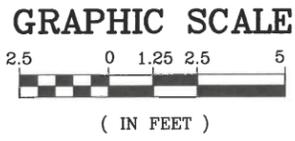
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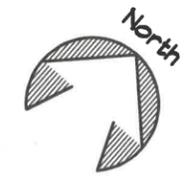
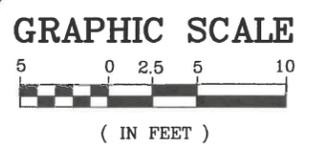
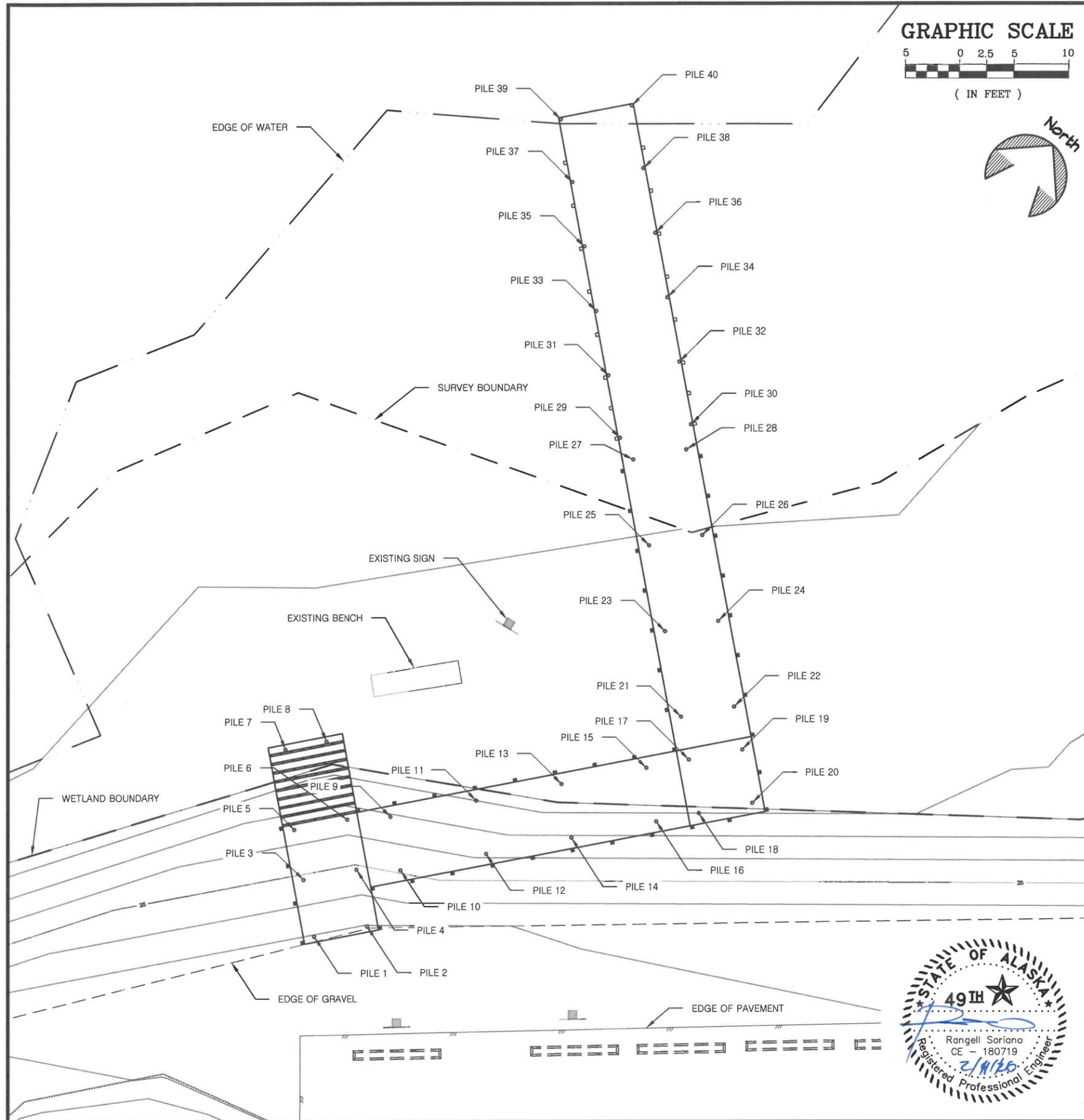
SITE PLAN - VIEWING BOARDWALK



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SHEET  
 8  
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PILE COORDINATE POINT TABLE			
PILE NO.	EASTING	NORTHING	PILE CUTOFF ELEVATION
PILE 1	1676132.53	2577722.15	25.63
PILE 2	1676135.62	2577726.07	25.63
PILE 3	1676128.35	2577725.44	25.63
PILE 4	1676131.44	2577729.37	25.63
PILE 5	1676124.68	2577728.34	25.63
PILE 6	1676127.77	2577732.27	25.63
PILE 7	1676119.22	2577733.36	21.77
PILE 8	1676121.62	2577736.40	21.77
PILE 9	1676130.64	2577735.10	25.38
PILE 10	1676134.57	2577732.00	25.38
PILE 11	1676135.60	2577741.38	24.71
PILE 12	1676139.52	2577738.28	24.71
PILE 13	1676140.53	2577747.66	24.04
PILE 14	1676144.48	2577744.56	24.04
PILE 15	1676145.51	2577753.94	23.38
PILE 16	1676149.43	2577750.84	23.38
PILE 17	1676147.99	2577757.08	23.13
PILE 18	1676151.91	2577753.98	23.13
PILE 19	1676151.07	2577760.99	23.13
PILE 20	1676158.00	2577757.89	23.13
PILE 21	1676144.85	2577759.56	22.88
PILE 22	1676147.93	2577763.47	22.88
PILE 23	1676138.57	2577764.51	22.21
PILE 24	1676141.65	2577768.42	22.21
PILE 25	1676132.28	2577769.47	21.54
PILE 26	1676135.37	2577773.38	21.54
PILE 27	1676126.00	2577774.42	20.88
PILE 28	1676129.09	2577778.33	20.88
PILE 29	1676123.78	2577775.11	21.60
PILE 30	1676127.91	2577780.35	21.60
PILE 31	1676119.21	2577778.72	21.60
PILE 32	1676123.34	2577783.96	21.60
PILE 33	1676114.50	2577782.44	21.10
PILE 34	1676118.63	2577787.67	21.10
PILE 35	1676109.79	2577786.15	20.62
PILE 36	1676113.92	2577791.39	20.62
PILE 37	1676105.08	2577789.87	20.14
PILE 38	1676109.19	2577795.11	20.14
PILE 39	1676100.50	2577793.48	19.65
PILE 40	1676104.62	2577798.72	19.65

- NOTES:  
 1. TABLE SHOWS DATA FOR PILE LOCATION & PILE CUTOFF ELEVATIONS.  
 2. NORTHINGS & EASTINGS ARE BASED ON LOCAL CONTROL POINTS.  
 3. ELEVATION CONTROL BASED ON ASSUMED ELEVATION.  
 4. WETLANDS MUST BE PROTECTED WHILE DRIVING PILES.



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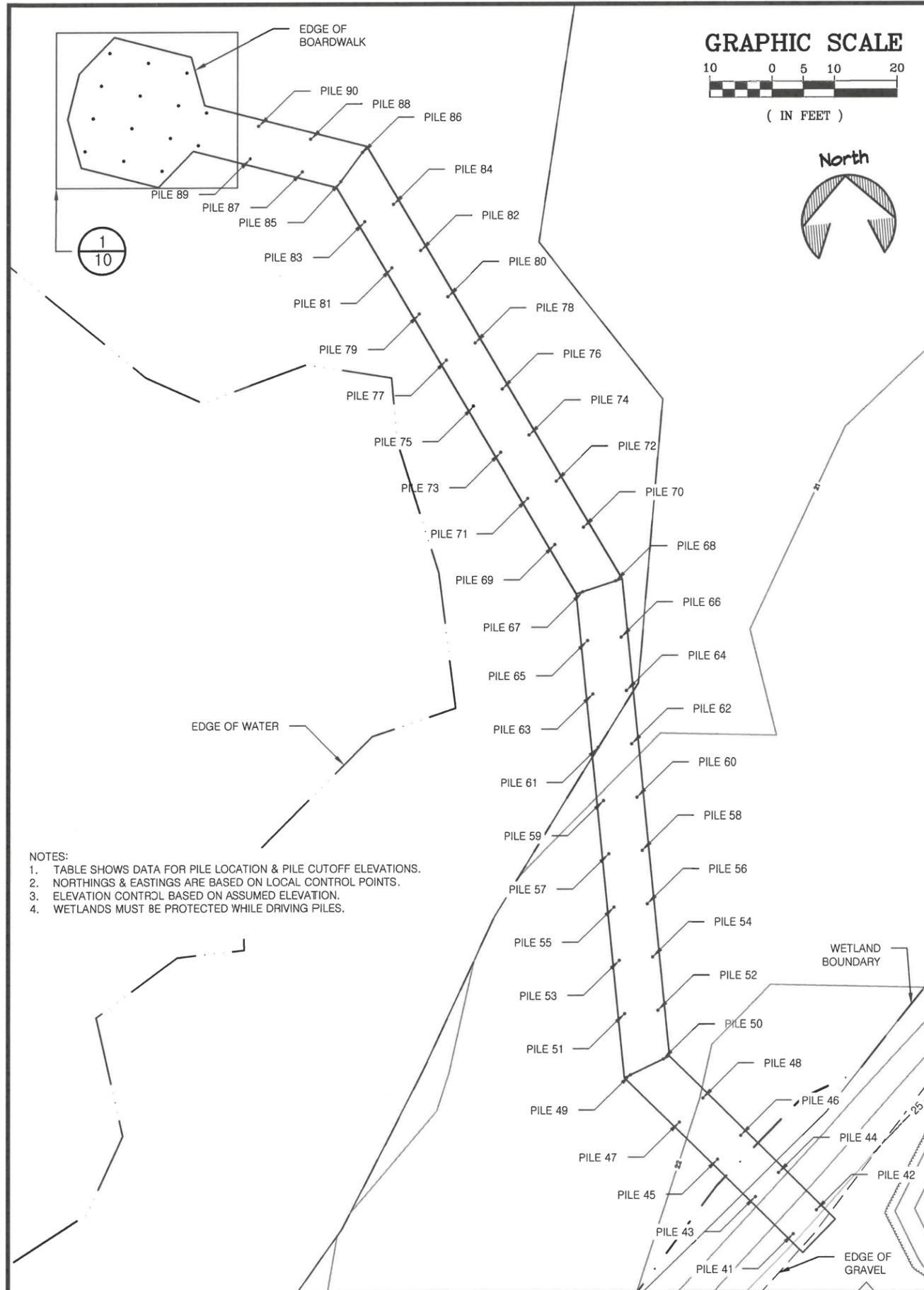
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 PROJECT NO. 91032-2

SKATING ACCESS  
 PILE POINT TABLE

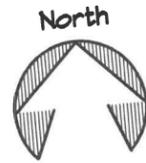
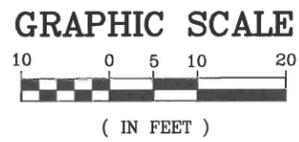


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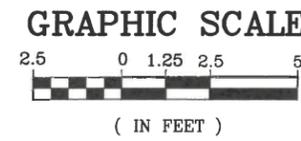
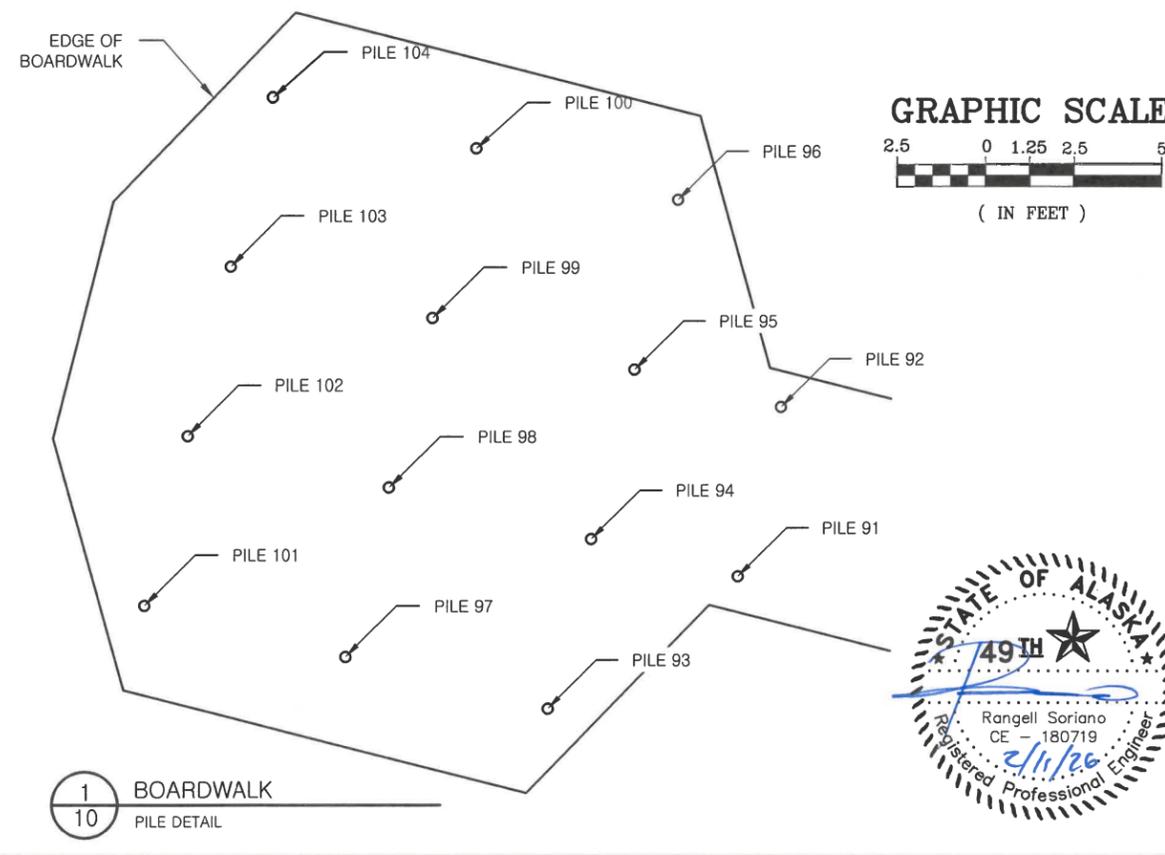


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  4. WETLANDS MUST BE PROTECTED WHILE DRIVING PILES.



PILE NO.	EASTING	NORTHING	PILE CUTOFF ELEVATION
PILE 41	1676256.22	2577838.83	23.77
PILE 42	1676260.00	2577842.10	23.77
PILE 43	1676250.99	2577844.89	23.77
PILE 44	1676254.78	2577848.16	23.77
PILE 45	1676245.77	2577850.95	23.77
PILE 46	1676249.56	2577854.21	23.77
PILE 47	1676240.54	2577857.01	23.77
PILE 48	1676244.33	2577860.27	23.77
PILE 49	1676233.83	2577864.70	23.77
PILE 50	1676238.93	2577866.63	23.77
PILE 51	1676233.76	2577873.90	23.77
PILE 52	1676238.76	2577873.97	23.77
PILE 53	1676233.65	2577881.90	24.17
PILE 54	1676238.65	2577881.97	24.17
PILE 55	1676233.24	2577889.90	24.57
PILE 56	1676238.54	2577889.97	24.57
PILE 57	1676233.43	2577897.90	24.97
PILE 58	1676238.43	2577897.97	24.97
PILE 59	1676233.32	2577905.90	25.37
PILE 60	1676238.32	2577905.97	25.37
PILE 61	1676233.22	2577913.90	25.77
PILE 62	1676238.22	2577913.97	25.77
PILE 63	1676233.11	2577921.90	26.17
PILE 64	1676238.11	2577921.97	26.17
PILE 65	1676233.00	2577929.90	26.57
PILE 66	1676238.00	2577929.97	26.57
PILE 67	1676232.89	2577937.20	26.57
PILE 68	1676237.89	2577938.38	26.57
PILE 69	1676229.34	2577944.61	26.57
PILE 70	1676233.84	2577946.78	26.57
PILE 71	1676255.86	2577951.81	26.97
PILE 72	1676230.36	2577953.98	26.97

PILE NO.	EASTING	NORTHING	PILE CUTOFF ELEVATION
PILE 73	1676222.38	2577959.01	27.37
PILE 74	1676266.88	2577961.19	27.37
PILE 75	1676218.90	2577966.22	27.77
PILE 76	1676233.40	2577968.39	27.77
PILE 77	1676215.42	2577973.42	28.17
PILE 78	1676219.93	2577975.60	28.17
PILE 79	1676211.94	2577980.63	28.57
PILE 80	1676216.45	2577982.80	28.57
PILE 81	1676208.47	2577987.93	28.97
PILE 82	1676212.97	2577990.01	28.97
PILE 83	1676204.99	2577995.04	29.37
PILE 84	1676209.49	2577997.21	29.37
PILE 85	1676201.96	2578001.30	29.37
PILE 86	1676205.56	2578005.34	29.37
PILE 87	1676196.36	2578003.26	29.37
PILE 88	1676198.01	2578007.98	29.37
PILE 89	1676188.81	2578005.89	29.37
PILE 90	1676190.46	2578010.61	29.37
PILE 91	1676181.26	2578008.53	29.37
PILE 92	1676182.90	2578013.25	29.37
PILE 93	1676175.49	2578005.23	29.37
PILE 94	1676177.15	2578009.96	29.37
PILE 95	1676178.79	2578014.68	29.37
PILE 96	1676180.44	2578019.40	29.37
PILE 97	1676169.84	2578007.21	29.37
PILE 98	1676171.49	2578011.93	29.37
PILE 99	1676173.13	2578016.65	29.37
PILE 100	1676174.78	2578021.37	29.37
PILE 101	1676164.17	2578009.18	29.37
PILE 102	1676165.82	2578013.91	29.37
PILE 103	1676167.47	2578018.63	29.37
PILE 104	1676169.11	2578023.35	29.37



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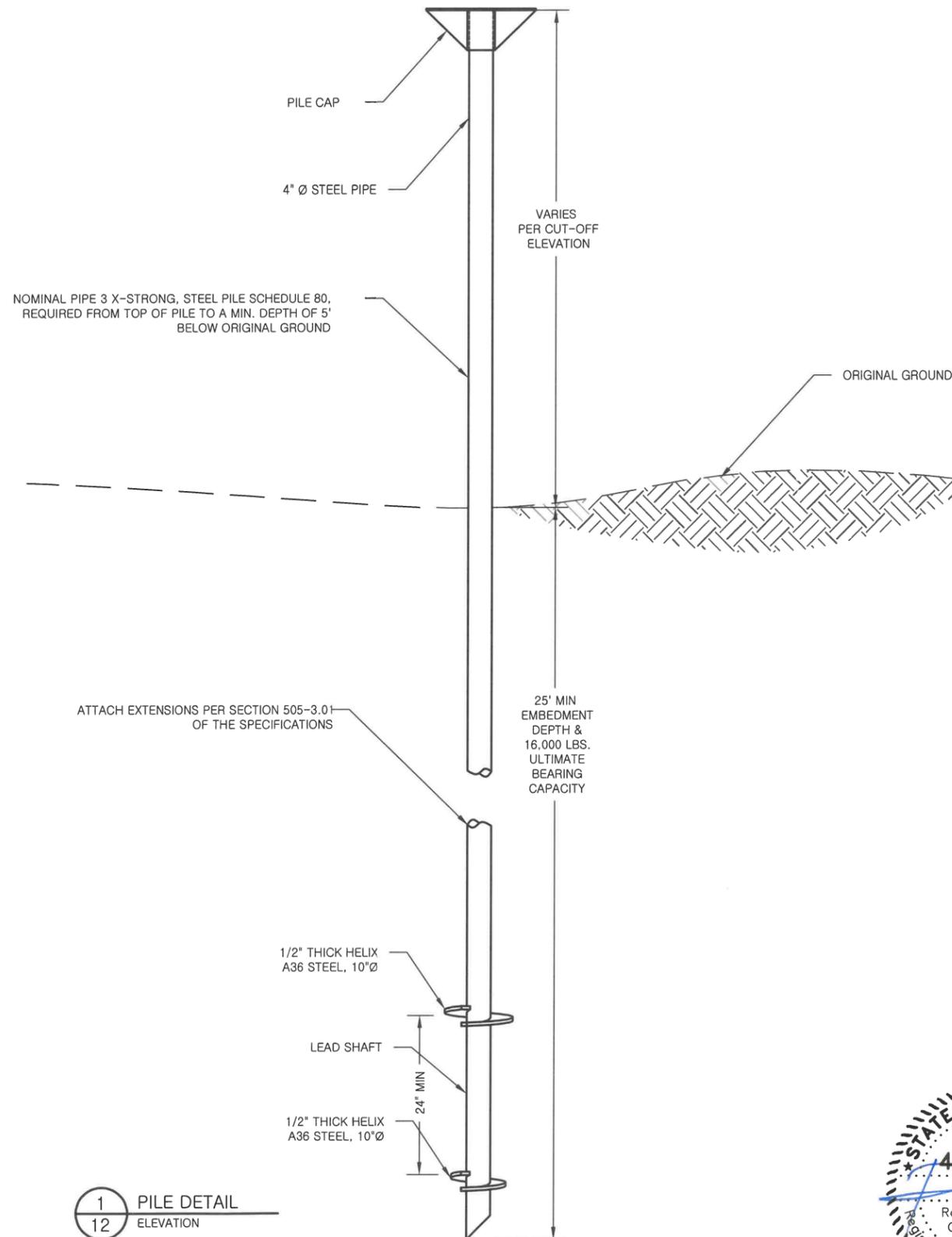


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POTTER MARSH FACILITY IMPROVEMENTS  
 PROJECT NO. 91032-2  
 PILE POINT TABLE 2





NOTES:

1. THE PILE DESIGN LOADS (UNFACTORED)

DEAD LOAD = 16 PSF  
 LIVE LOAD = 70 PSF  
 SNOW LOAD = 70 PSF

THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ACTUAL LOADS ARE GREATER THAN AS INDICATED.

2. PILE DRIVER MUST BE APPROVED BY THE ENGINEER.
3. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE AWS STRUCTURAL WELDING CODE, AWS D1.1 PUBLISHED BY THE AMERICAN WELDING SOCIETY.
4. THE CONTRACTOR SHALL WAIT AT LEAST 72 HOURS AFTER PILE INSTALLATION BEFORE APPLYING LOADS ON THE PILE.
5. SUBSTITUTED LEAD SHAFTS SHALL MEET OR EXCEED THE MINIMUM EMBEDMENT DEPTH AND ULTIMATE BEARING CAPACITY. REFER TO SECTION 505-3.01 OF THE SPECIFICATIONS.

1 PILE DETAIL  
 12 ELEVATION



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POTTER MARSH FACILITY IMPROVEMENTS  
 PROJECT NO. 91032-2

PILE DETAILS

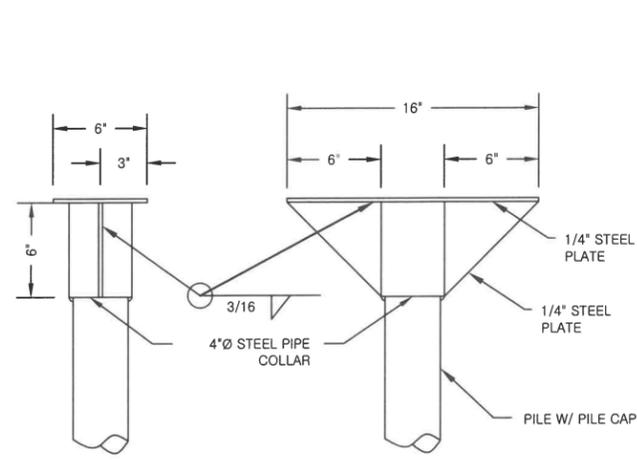


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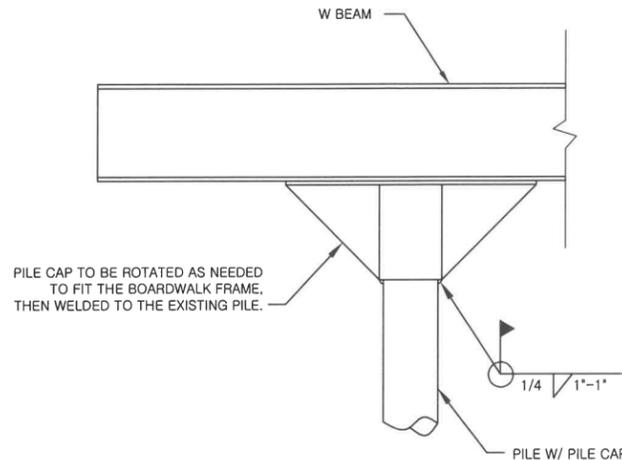
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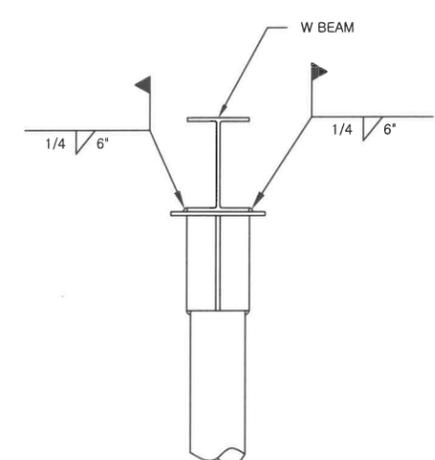
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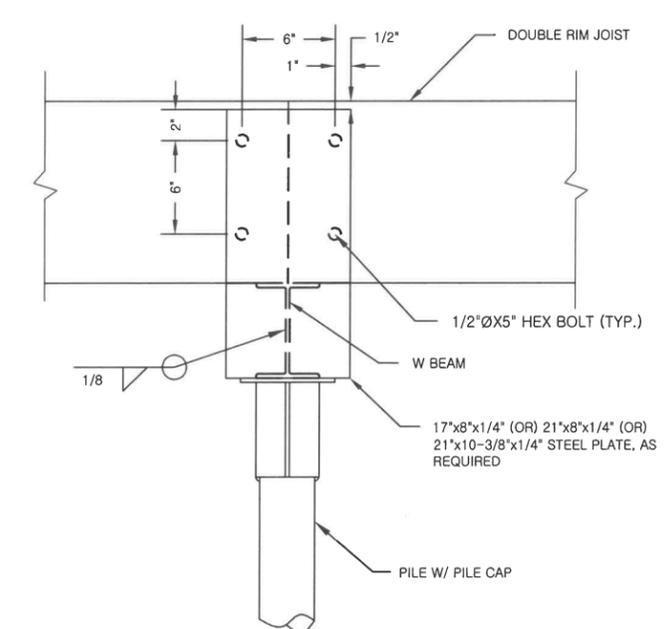
1 PILE CAP DETAIL  
13 WOODEN BOARDWALK



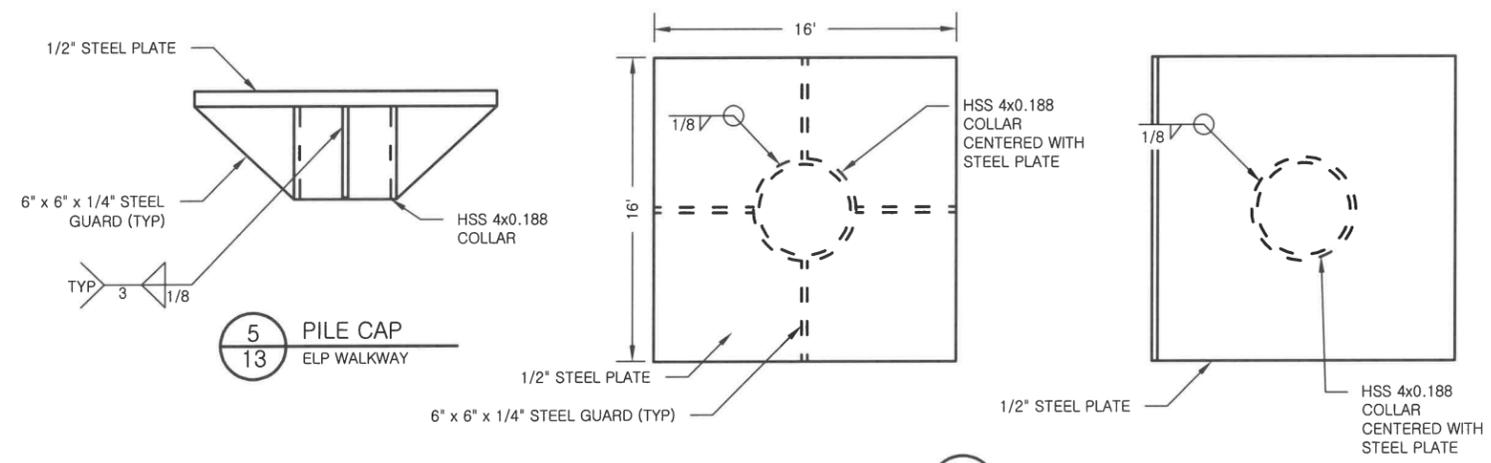
2 BEAM TO PILE CAP DETAIL  
13 WOODEN BOARDWALK



3 PILE CAP TO BEAM CONNECTION  
13 WOODEN BOARDWALK

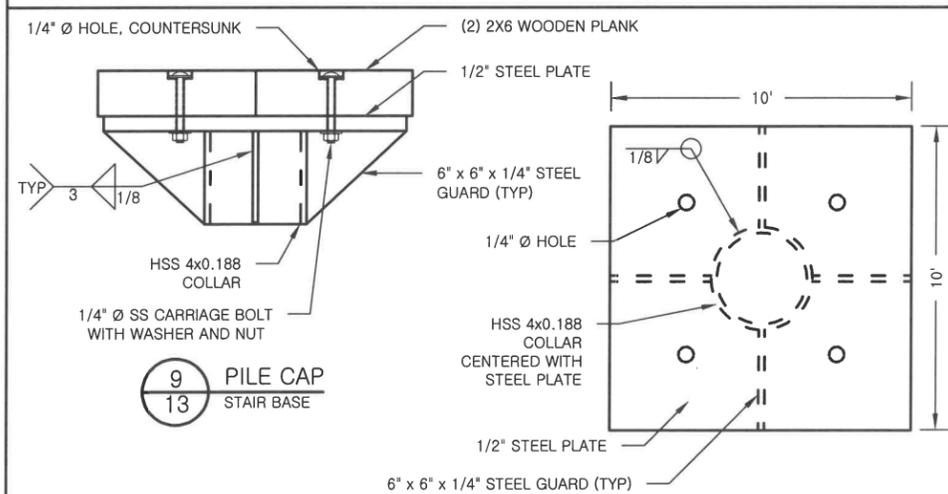


4 BEAM TO RIM JOIST  
13 WOODEN BOARDWALK



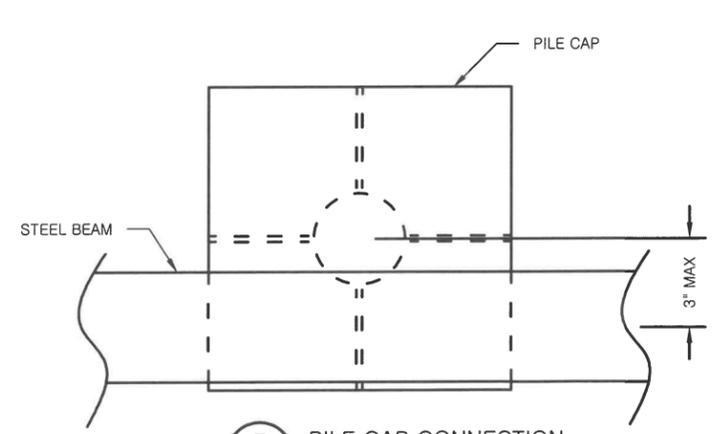
5 PILE CAP  
13 ELP WALKWAY

6 PILE CAP DETAIL  
13 ELP WALKWAY

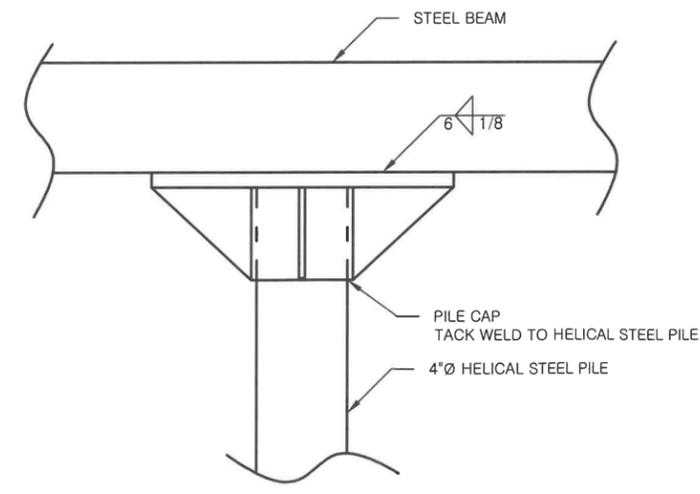


9 PILE CAP  
13 STAIR BASE

10 PILE CAP DETAIL  
13 STAIR DETAIL



7 PILE CAP CONNECTION  
13 ELP WALKWAY



8 PILE CAP CONNECTION  
13 ELP WALKWAY

NOTES:

1. THE PILE DESIGN LOADS (UNFACTORED):  
DEAD LOAD = 16 PSF  
LIVE LOAD = 100 PSF  
SNOW LOAD = 70 PSF
2. PILES SHALL BE DRIVEN WITH AN ENGINEER APPROVED PILE DRIVER.
3. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE AWS STRUCTURAL WELDING CODE, AWS D.1 PUBLISHED BY THE AMERICAN WELDING SOCIETY.
4. PILES SHALL BE DRIVEN TO A MINIMUM DEPTH OF 25' AND HAVE AN ULTIMATE BEARING CAPACITY OF 16,000 LBS.
5. PILES AND PILE CAP MATERIAL SHALL BE HOT-DIP GALVANIZED.
6. W BEAMS SHALL BE W6X12



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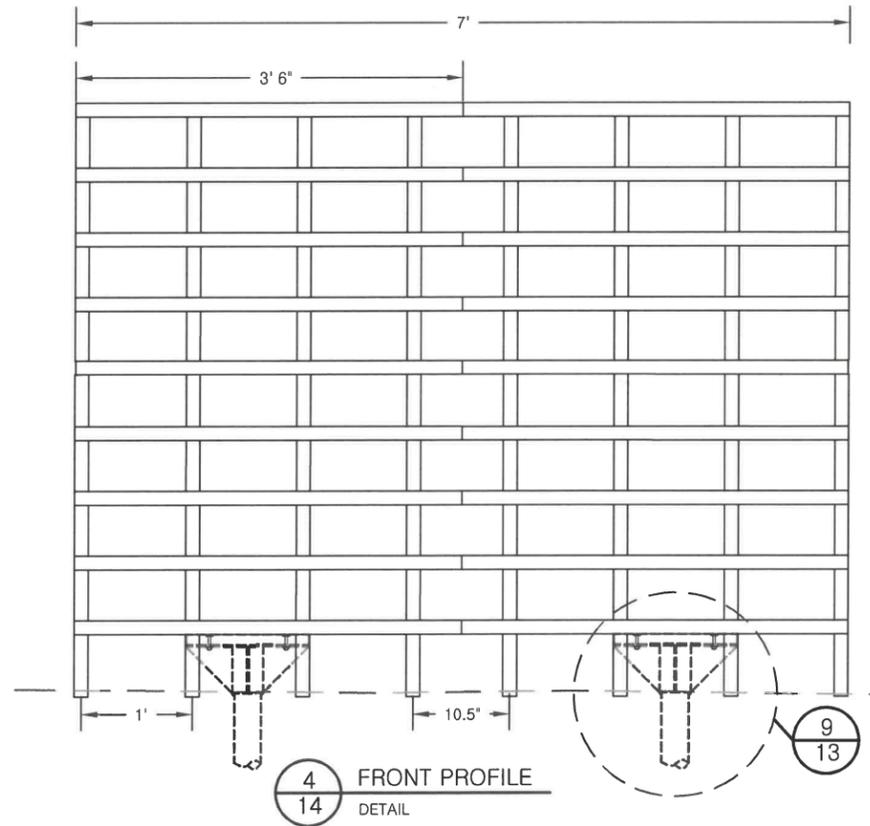
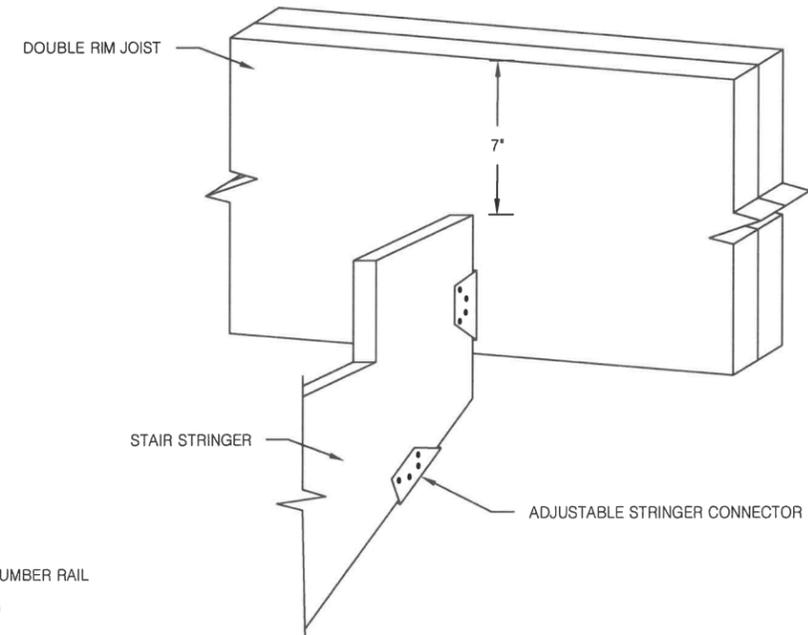
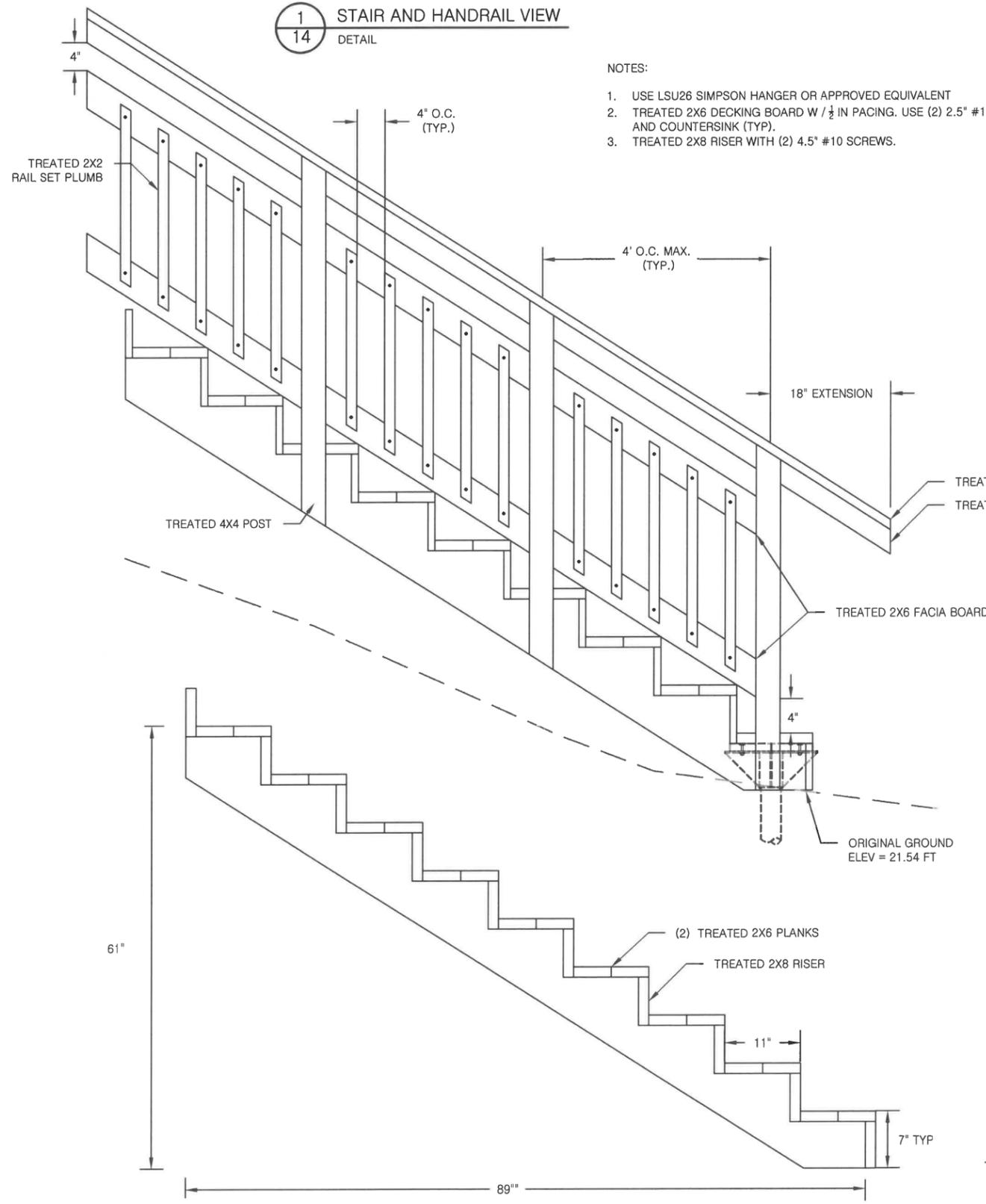


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DRAWN: AWH  
REVIEWED: RCS  
DATE: FEB 2026

SHEET  
13  
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PILE CONNECTION DETAILS

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3  
14  
STAIR SIDE PROFILE  
DETAIL



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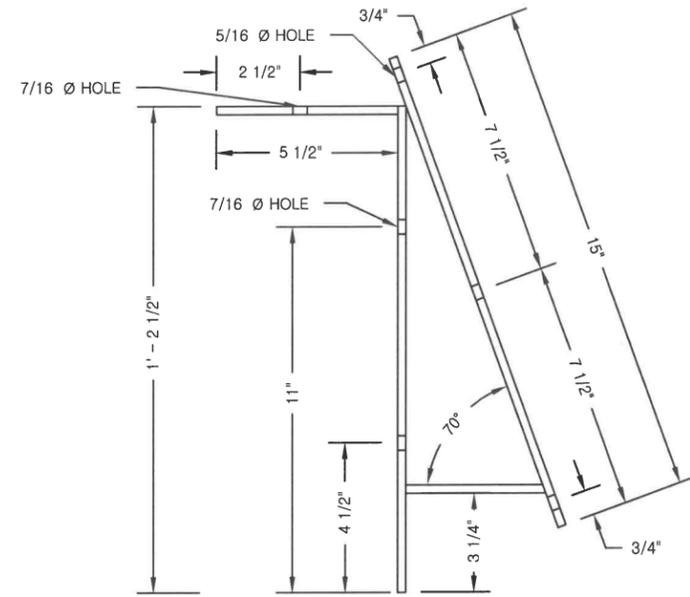
POTTER MARSH FACILITY IMPROVEMENTS  
PROJECT NO. 91032-2

STAIR DETAILS

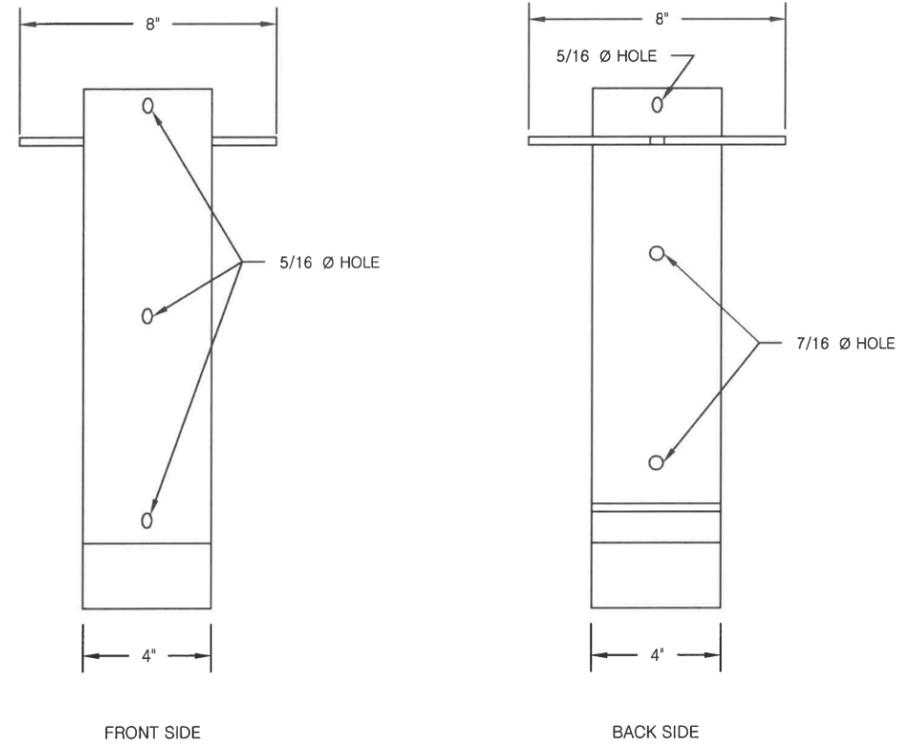


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SHEET  
14  
OF 17 SHEETS

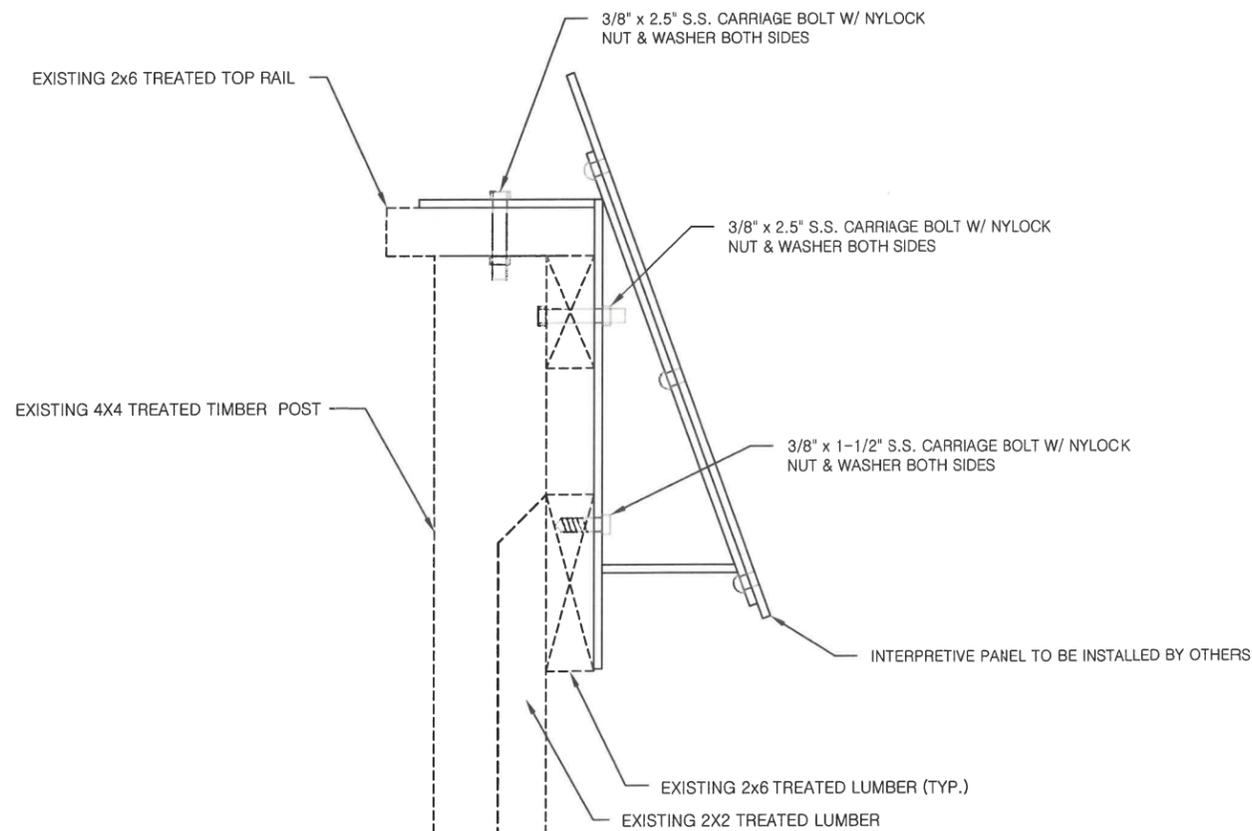


1 INTERPRETIVE BRACKET  
15 SIDE VIEW DETAIL



2 INTERPRETIVE BRACKET  
15 DETAIL

- NOTES:
1. ALL STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36.
  2. BRACKETS SHALL BE CONSTRUCTED USING 1/4" STEEL PLATE TO THE DIMENSIONS SHOWN.
  3. SIGN BRACKETS SHALL BE CENTERED ON TREATED 2x4 RAIL POST.
  4. SIGN BRACKETS SHALL BE COATED WITH DIRECT TO METAL ENAMEL PAINT, FINAL COLOR TO BE BLACK.
  5. INTERPRETIVE BRACKETS TO BE MOUNTED ON THE RAILING. PROVIDE TWO BRACKETS PER EACH SIGN.



3 INTERPRETIVE BRACKET  
15 MOUNTING DETAIL



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SHEET

15

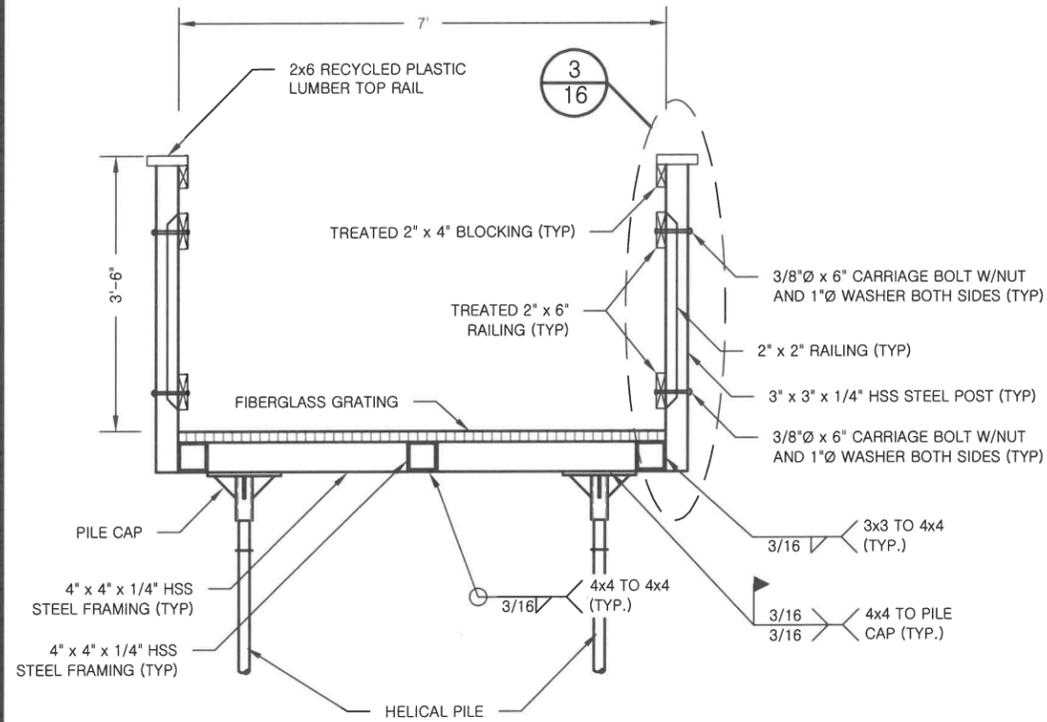
OF 17 SHEETS

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PROJECT NO. 91032-2  
INTERPRETIVE SIGN BRACKET DETAILS

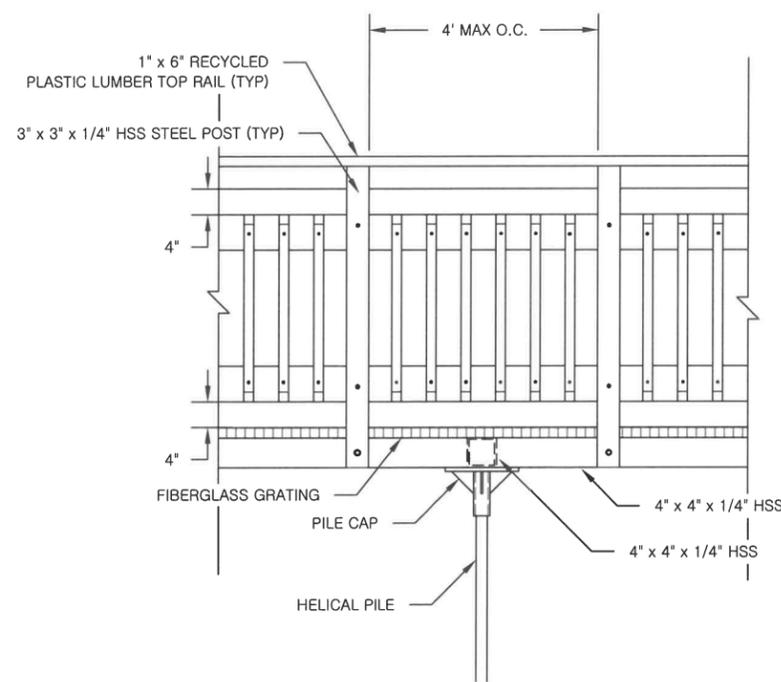
**RAMP TYPICAL**

NOTE:

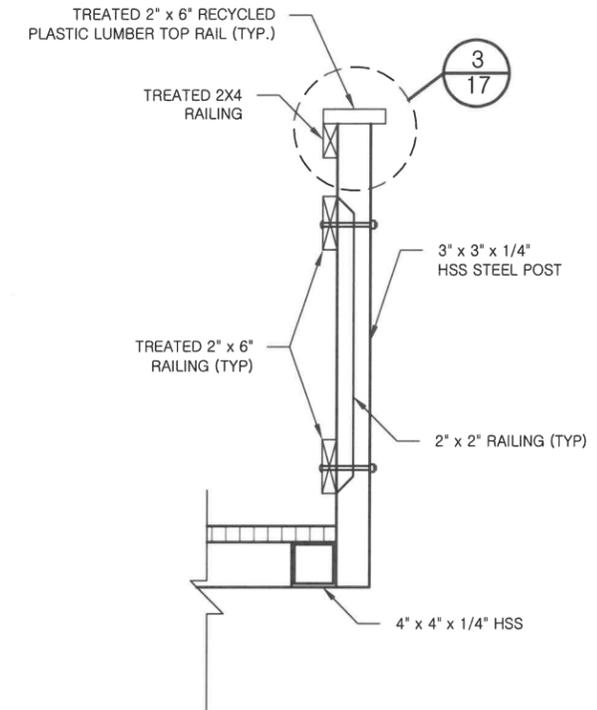
1. FIBERGLASS GRATING TO BE 1-1/2 INCH THICK GRATING, ALLOWING 40% LIGHT PENETRATING



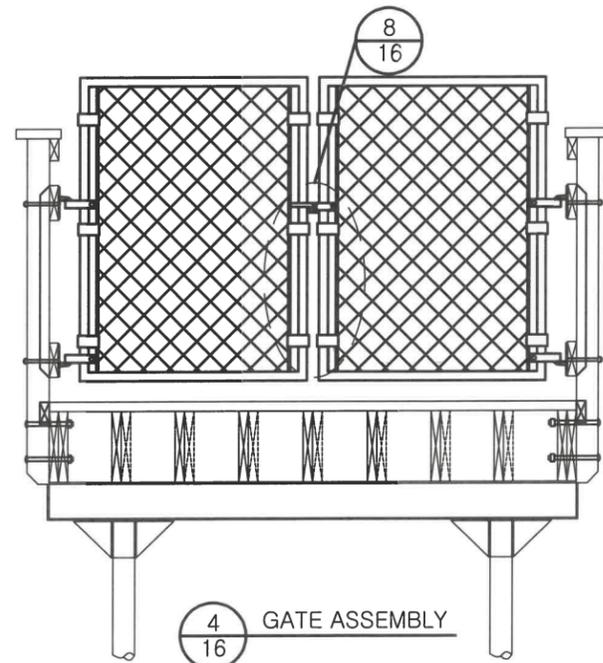
**1**  
16  
ELP WALKWAY  
TYPICAL SECTION



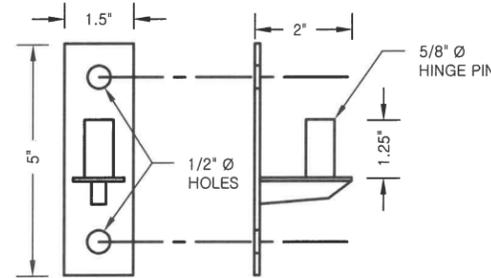
**2**  
16  
ELP WALKWAY  
ELEVATION DETAIL



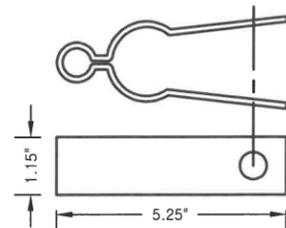
**3**  
16  
ELP WALKWAY  
TYPICAL SECTION



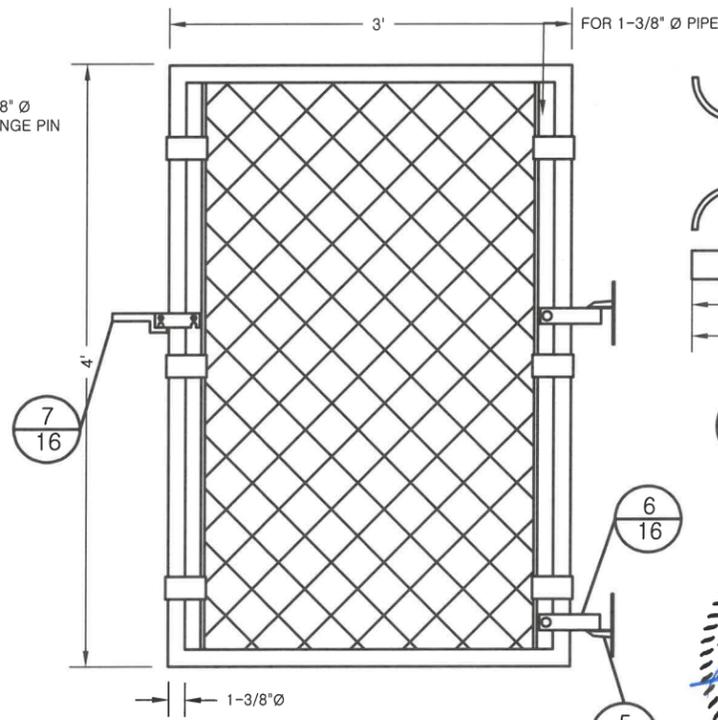
**4**  
16  
GATE ASSEMBLY



**5**  
16  
HINGE PIN



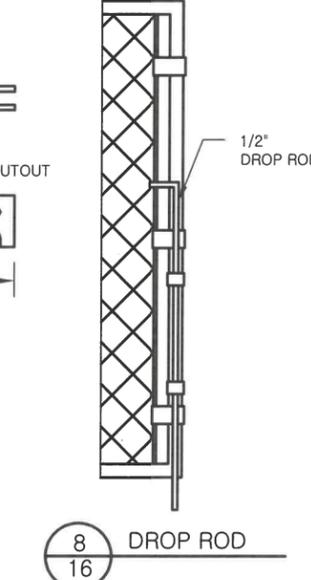
**6**  
16  
HINGE



**7**  
16  
FORK LATCH



**7**  
16  
FORK LATCH



**8**  
16  
DROP ROD

NOTES:

1. GATE FRAME IS MADE FROM 1-3/8\"/>
- 2. DROP RODS ARE INSTALLED ON THE FRONT OF EACH GATE

**GATE DETAILS**

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RAMP AND GATE DETAILS



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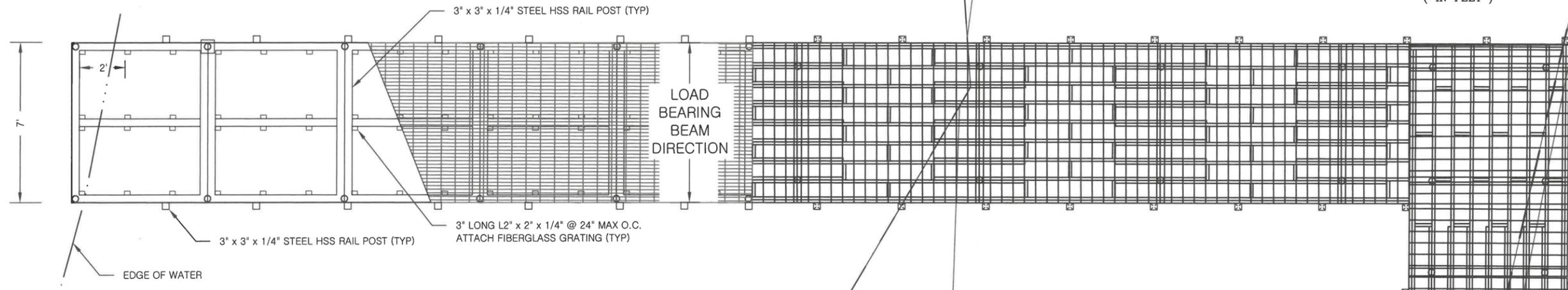
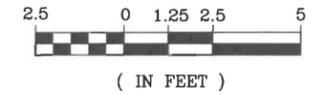
**16**

OF 17 SHEETS

NOTES:

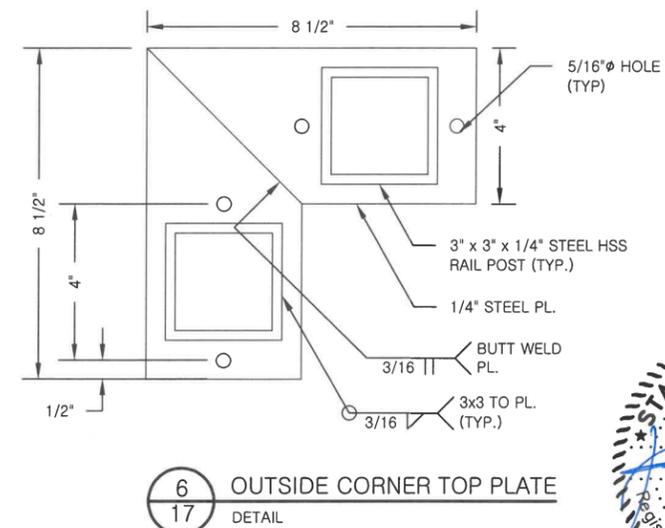
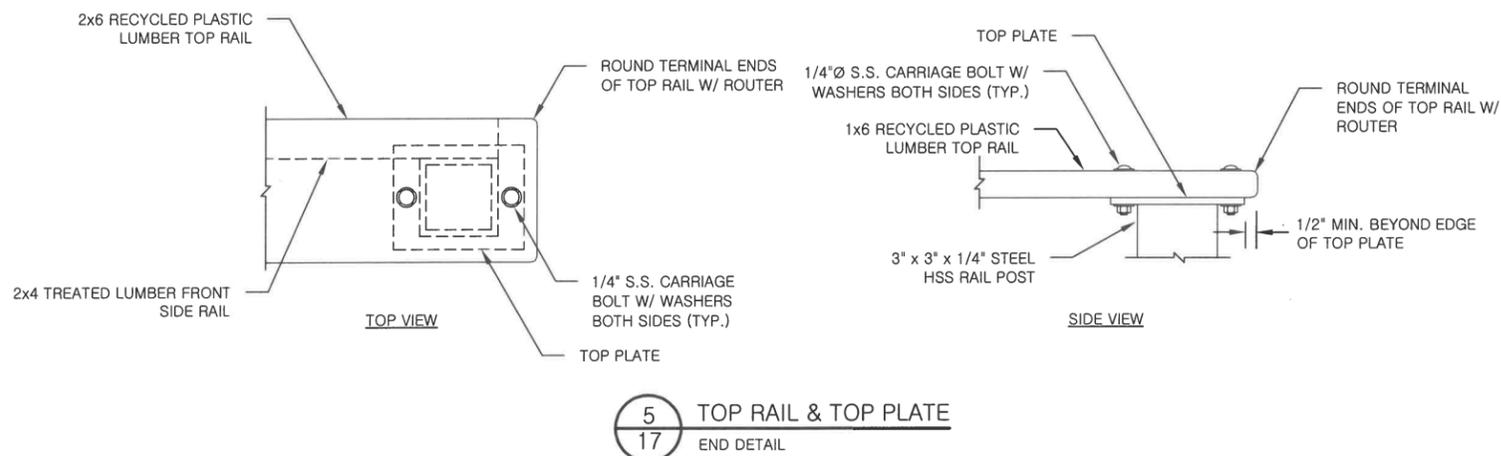
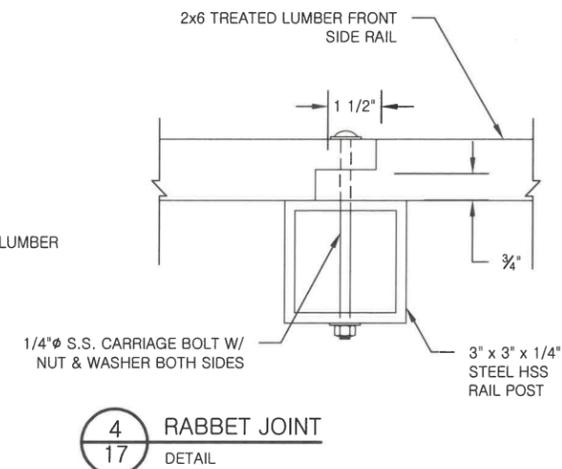
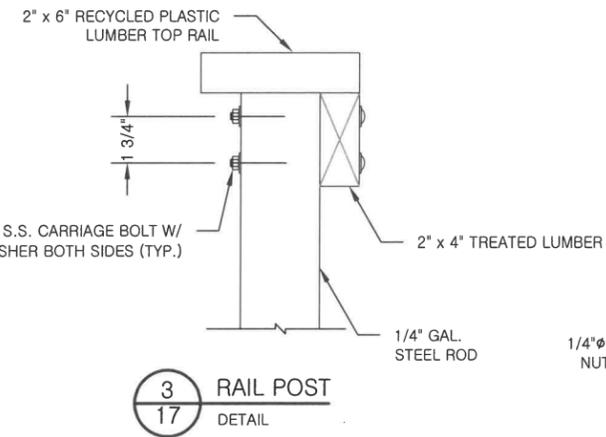
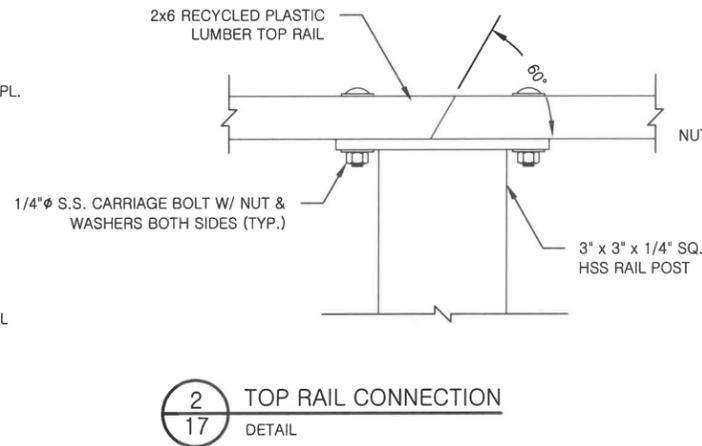
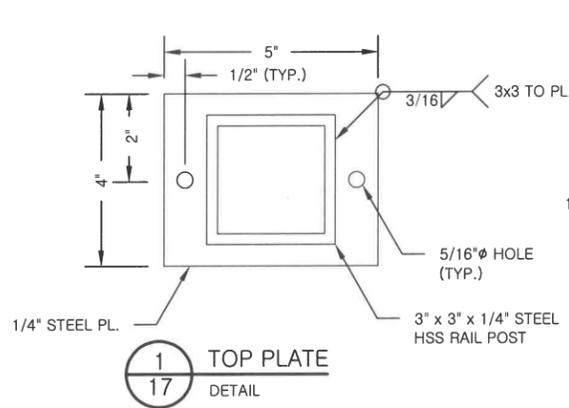
1. FIBERGLASS GRATING, RECYCLED PLASTIC LUMBER TOP RAIL, AND TREATED LUMBER BACK SIDE RAIL, OMITTED FROM DETAIL VIEWS FOR CLARITY.
2. RAIL POSTS SHALL BE SPACED EVENLY ALONG CONTINUOUS RUNS, AND SPACING SHALL BE NO MORE THAN 4'.
3. FRAME CORNERS SHALL BE JOINED USING MITERED CORNERS.

GRAPHIC SCALE



NOTES:

1. TOP RAILS SHALL BE INSTALLED FLUSH TO THE FACE OF THE FRONT SIDE RAIL. SIDE RAIL BENEATH TOP RAIL SHALL BE NOTCHED TO ENSURE TOP RAIL SITS FLUSH AGAINST SIDE RAIL.
2. CARE SHALL BE TAKEN TO ENSURE NO GAPS ARE PRESENT BETWEEN TOP RAIL AND FRONT SIDE RAIL. USE WOOD SHIMS TO FILL IN GAPS.



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GRATING AND RAIL DETAILS



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**17**  
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