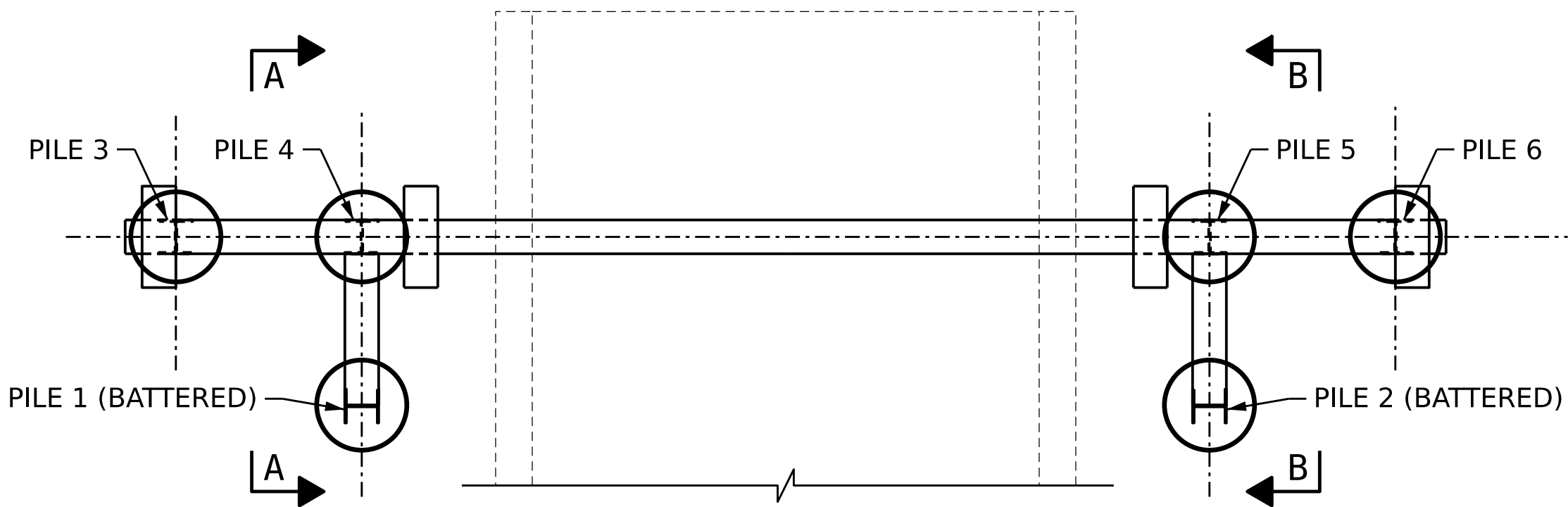
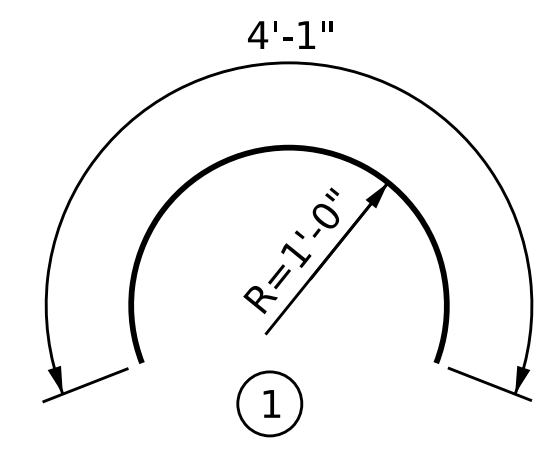




PLAN

BAR TYPE		BILL OF MATERIAL					
		BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
		* D1	82	#6	STR	2'-0"	246
		* V1	8	#6	STR	21'-8"	261
		* V2	8	#6	STR	22'-4"	269
		* V3	8	#6	STR	18'-2"	219
		* V4	8	#6	STR	19'-3"	232
		* V5	8	#6	STR	18'-6"	223
		* V6	8	#6	STR	17'-5"	210
		* S1	242	#4	1	4'-1"	660
* EPOXY COATED BARS							
EPOXY COATED REINFORCING STEEL (LBS.)							2320
CLASS A CONCRETE (CU. YDS.)							19.0
CONCRETE PILE JACKETS (LIN. FT.)							133.6

PILE JACKET QUANTITY TABLE						
DESCRIPTION	PILE NUMBER					
	1	2	3	4	5	6
APPROX. PAY LENGTH (FT)	24.35	25.05	20.85	21.95	21.25	20.15
"V" BAR MARK	V1	V2	V3	V4	V5	V6
NO. OF #6D1 DOWELS	15	16	13	13	13	12
NO. OF #4S1 STIRRUP PAIRS	22	23	19	20	19	18
CONCRETE FILL (CU. YDS.)	3.5	3.6	3.0	3.1	3.0	2.8

NOTES

* SOUNDINGS TAKEN FROM UNDERWATER INSPECTION (BY CONSOR DATED NOVEMBER 2ND, 2023) ARE PROVIDED FOR INFORMATION ONLY. CONTRACTOR SHALL FIELD VERIFY MUDLINE ELEVATIONS AND NOTIFY ENGINEER IN WRITING OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIALS OR PERFORMING ANY REPAIR WORK.

▲ - THE PROPOSED ELEVATION OF THE TOP OF THE PILE JACKETS SHOWN ON THESE PLANS IS BASED ON EXISTING PLANS DATA. CONTRACTOR SHALL WORK WITH THE ENGINEER AND NCDOT FERRY DIVISION STAFF TO MEASURE THE LOWEST POSITION OF THE STEEL RAMP STRUCTURE DURING OPERATIONS AND SHALL SET THE TOP OF PILE JACKETS TO AVOID INHIBITING OPERATION OF THE STEEL RAMP AND TO AVOID INTERFERENCE WITH THE LIFT BENT BRACING MEMBERS.

BENT DIMENSIONS AND ELEVATIONS ARE APPROXIMATE AND ARE TAKEN FROM EXISTING PLANS.

EXISTING PILES ARE HP12x53 STEEL PILES.

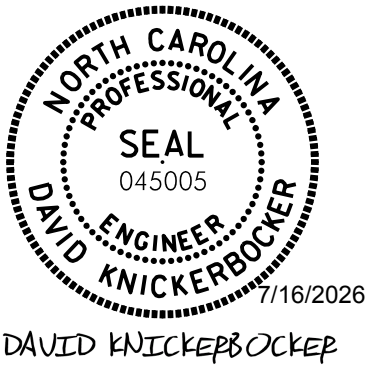
PILE JACKETS SHALL BE EMBEDDED A MINIMUM OF 2'-0" BELOW THE MUDLINE. SEE DETAILS ON SHEET S1-10.

FOR "PILE JACKETS" SEE SPECIAL PROVISIONS.

PILE JACKET LENGTH SHALL NOT BE LESS THAN 4'-0" REGARDLESS OF MUDLINE ELEVATION.

FOR PILE JACKET DETAILS, SEE SHEET S1-10.

PROJECT NO. **15BPR.164**
BEAUFORT COUNTY
TERMINAL: **AURORA**



DEPARTMENT OF TRANSPORTATION RALEIGH					
LIFT BENT PILE JACKET REPAIR DETAILS					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1	--	--	3	--	--
2	--	--	4	--	--
TOTAL SHEETS					34

DES BY: B. BINOWSKI	DATE : 11/2025	DWG BY: B. PETERSON	DATE : 11/2025
DES CHK: D. KNICKERBOCKER	DATE : 11/2025	CHK BY: D. KNICKERBOCKER	DATE : 11/2025

HDR	HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116
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UNLESS ALL SIGNATURES COMPLETED