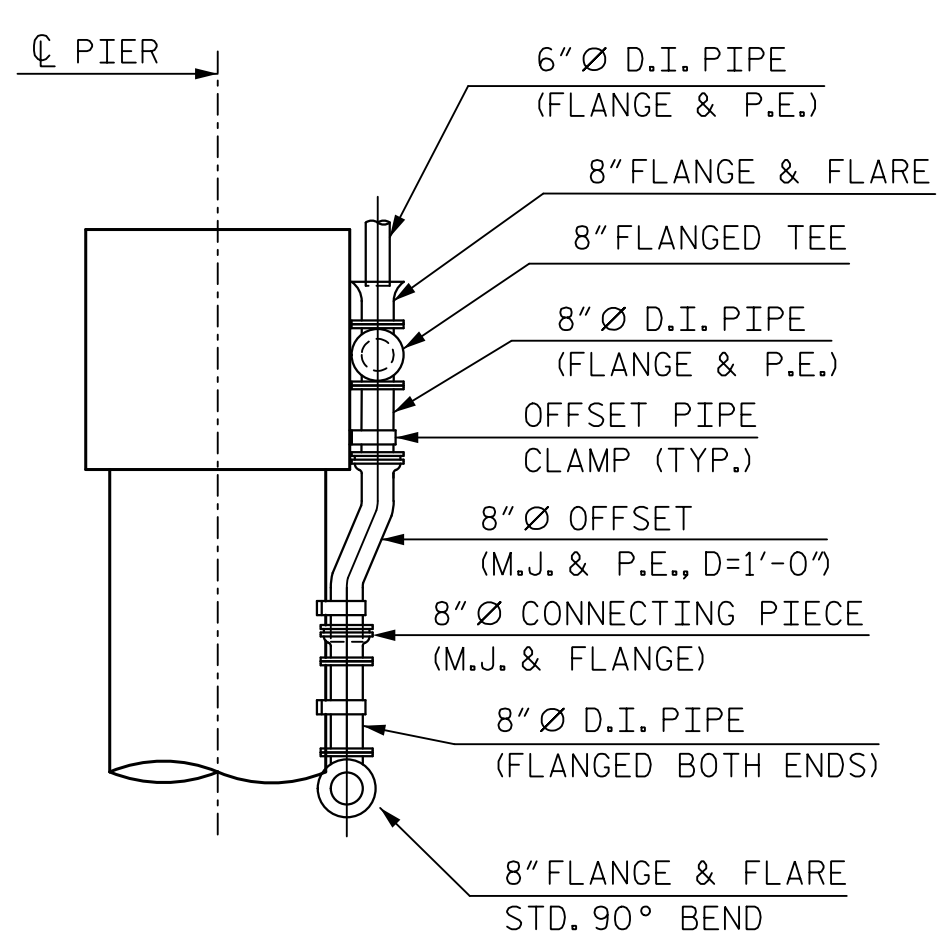
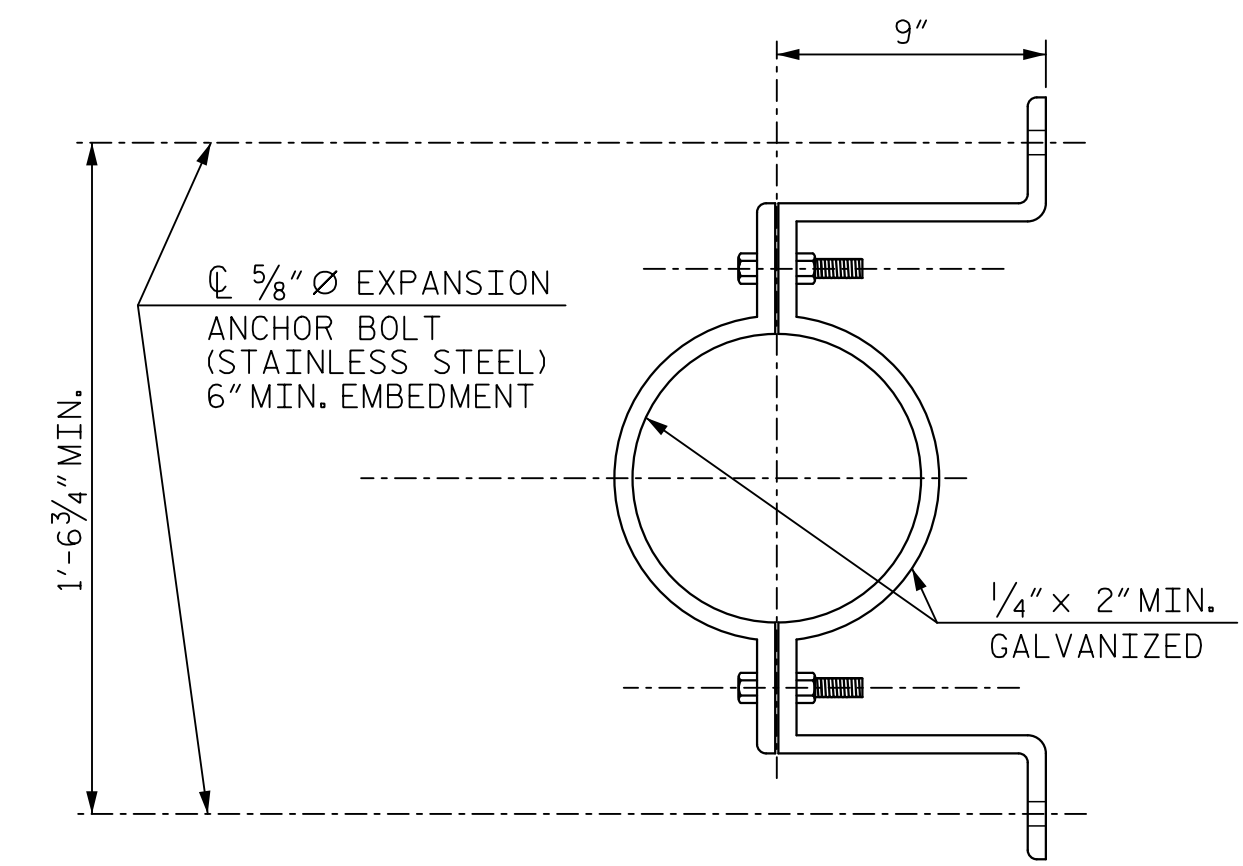


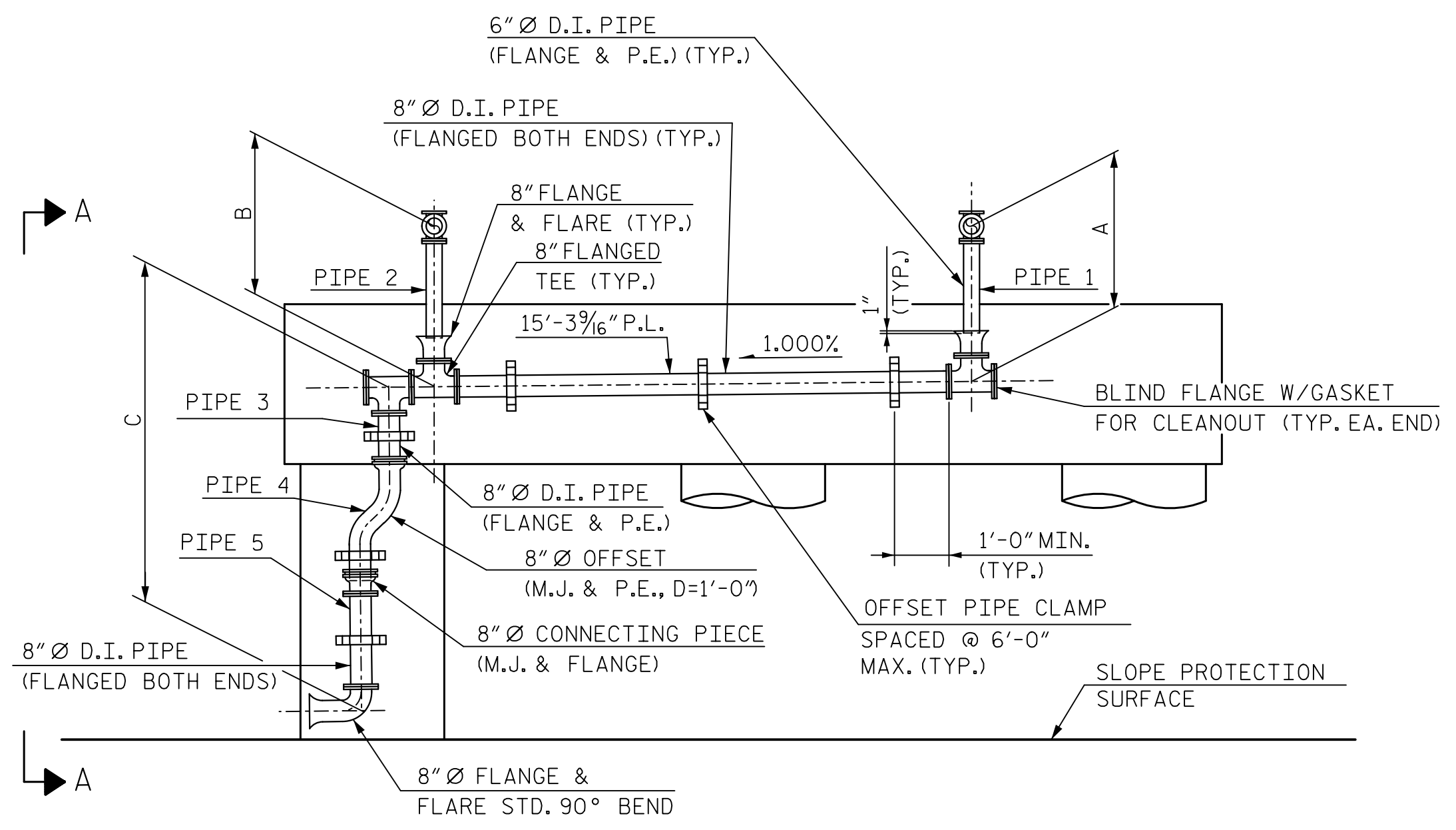
TYPICAL DRAINAGE LAYOUT DETAILS AT PIERS
(DOWNSTATION FACE PIER 1 ONLY; UPSTATION FACE PIER 2 ONLY)



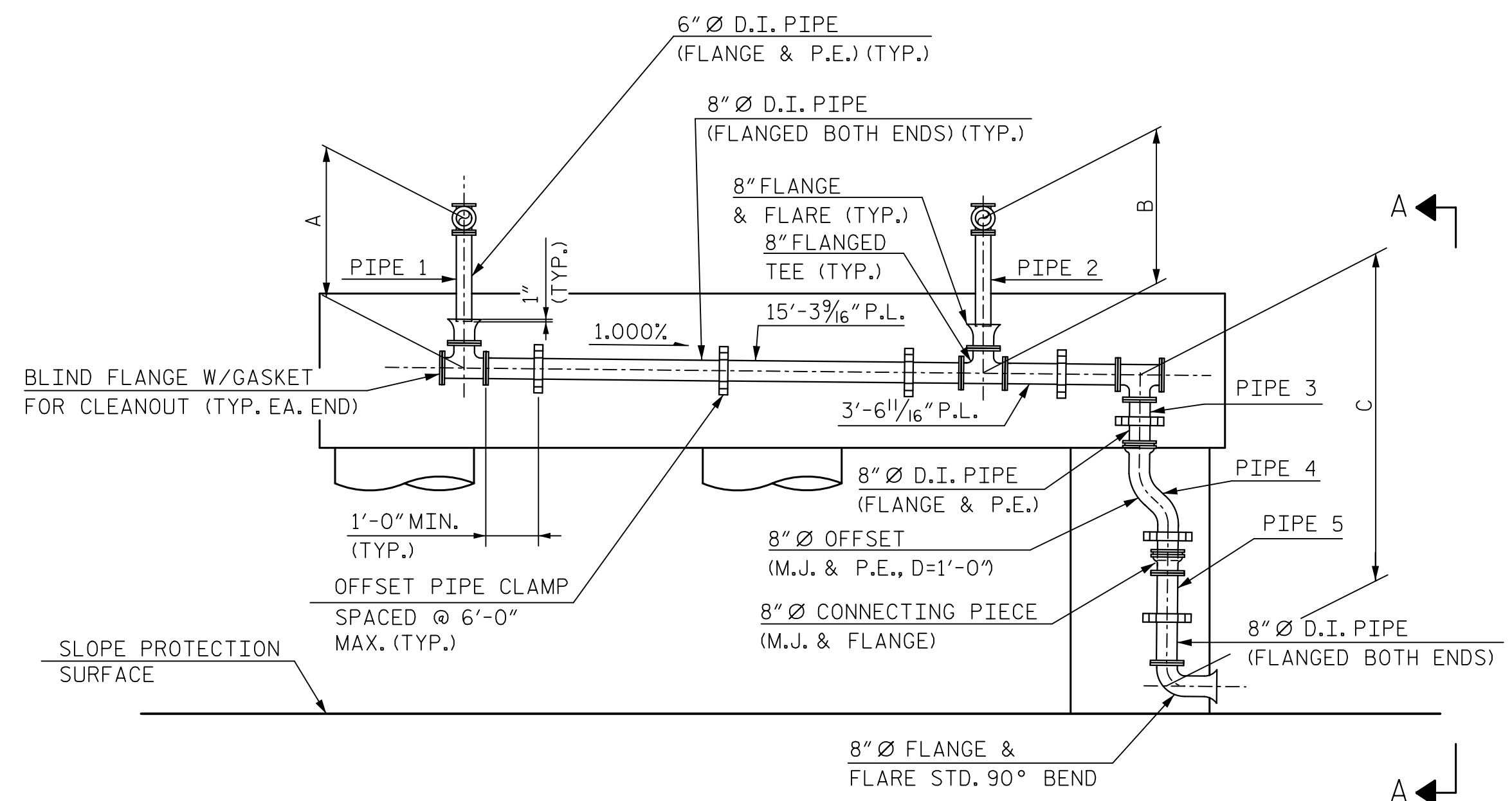
VIEW A-A
(PIER 1 SHOWN, PIER 2 OPPOSITE HAND)



OFFSET PIPE CLAMP DETAIL



ELEVATION - PIER 1

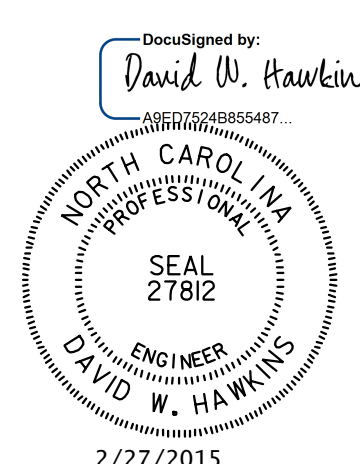
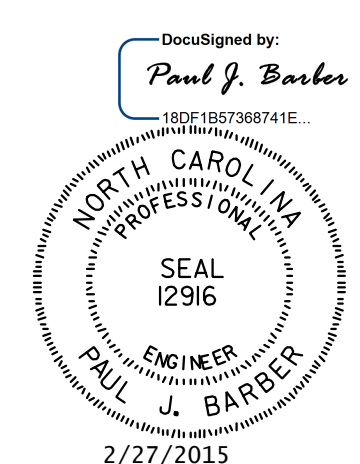


ELEVATION - PIER 2

DIMENSIONS			
LOCATION	A	B	C
PIER 1, SPAN A	4'-11 3/8"	5'-1 1/2"	8'-11 1/2"
PIER 2, SPAN C	5'-1 1/8"	5'-3 1/4"	8'-7 1/2"

PIPE LENGTHS					
LOCATION	1	2	3	4	5
PIER 1, SPAN A	2'-9 1/8"	2'-11 1/4"	1'-6"	3'-0"	2'-3 1/8"
PIER 2, SPAN C	2'-10 7/8"	3'-1"	1'-6"	3'-0"	1'-11 1/8"

NOTES:
ALL DIMENSIONS ARE SUBJECT TO ADJUSTMENTS TO FIT MEASUREMENTS TAKEN AFTER DECKS HAVE BEEN POURED.
D.I. = DUCTILE IRON
P.L. = PIPE LENGTH
P.E. = PLAIN END
M.J. = MECHANICAL JOINT



PROJECT NO. P-4900A
ROBESON COUNTY
STATION: POC 38+93.36 -L-
MILE POST: 0.55
SHEET 2 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STRUCTURE
DRAINAGE
DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-50
1			3			TOTAL SHEETS
2			4			54

HNTB HNTB NORTH CAROLINA, P.C.
License No. C-1554
343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609
DRAWN BY M. WRIGHT DATE 7/14
CHECKED BY D. HAWKINS DATE 9/14 DWG. NO. 31