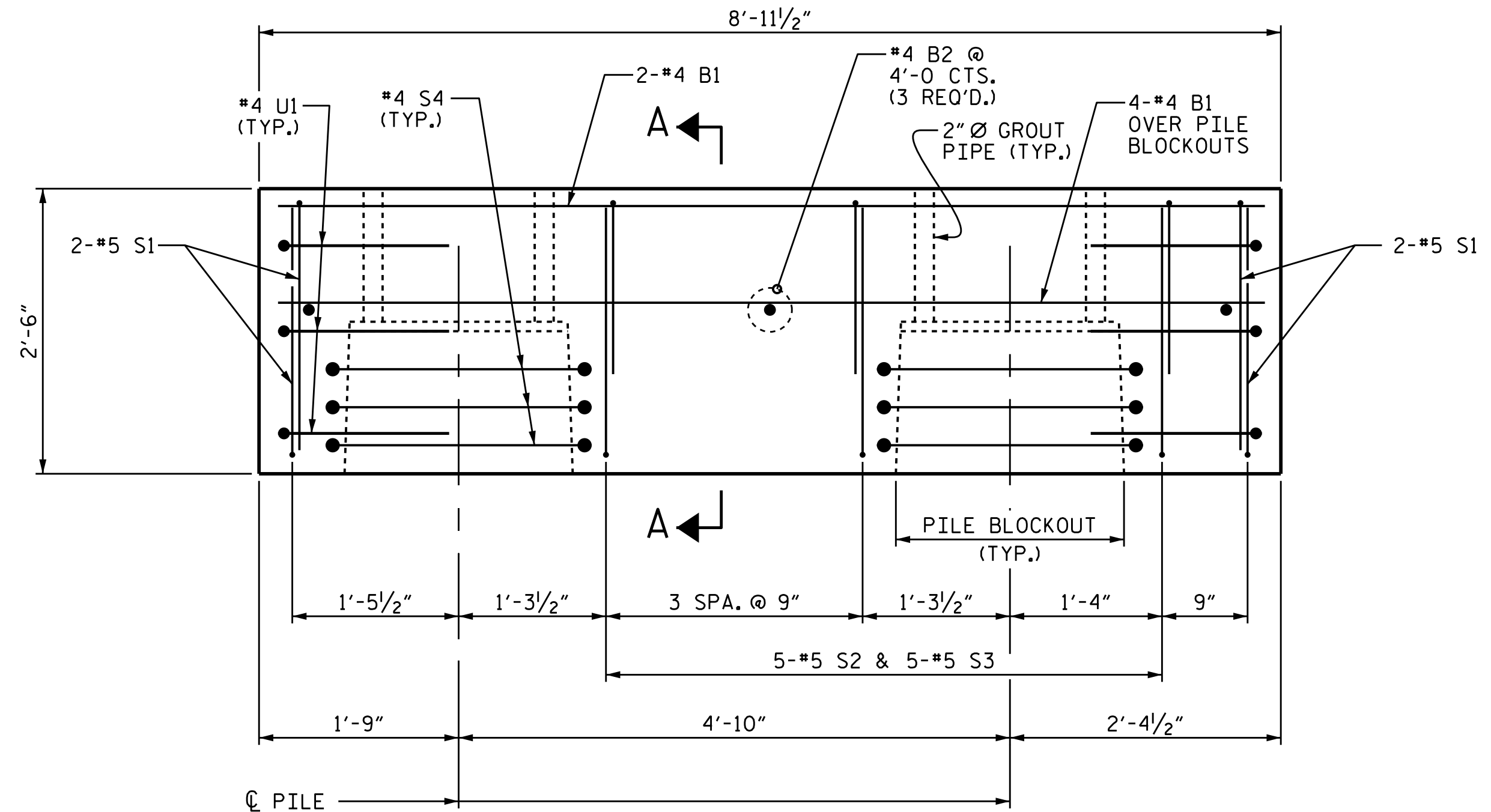


PLAN

(FOR PILE BLOCKOUT DETAILS, SEE SHEET 4 OF 4)



ELEVATION

(*6 D1 DOWELS NOT SHOWN FOR CLARITY) FOR SECTION A-A, SEE SHEET 4 OF 4.

BILL OF MATERIAL

FOR ONE PIECE B-01

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#4	STR	8'-6"	34
B2	3	#4	STR	2'-8"	5
D1	8	#6	STR	1'-6"	18
S1	8	#5	1	6'-5"	54
S2	5	#5	1	7'-3"	38
S3	5	#5	1	5'-9"	30
S4	6	#4	2	9'-9"	39
U1	6	#4	1	5'-7"	22

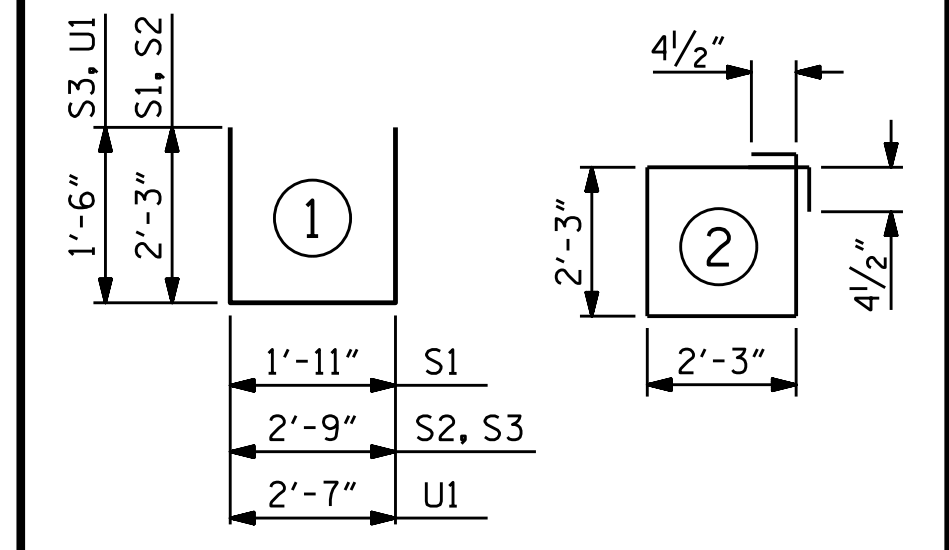
REINFORCING STEEL 240 LBS

4000 PSI PRESTRESS CONCRETE 2.1 C.Y.

PILE BLOCKOUT GROUT 0.4 C.Y.

0.6" Ø L.R. STRANDS No. 12

BAR TYPES



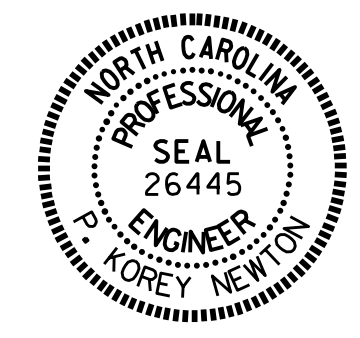
ALL BAR DIMENSIONS ARE OUT TO OUT.

GRADE 270 STRANDS

AREA (SQUARE INCHES)	0.6" Ø L.R.
ULTIMATE STRENGTH (LBS. PER STRAND)	58,600
APPLIED PRESTRESS (LBS. PER STRAND)	43,950

PROJECT NO. B-5304
PENDER COUNTY
 STATION: 12+27.00 -L-

SHEET 3 OF 5



DocuSigned by:
 P. Corey Newton
 4FF5301419A07...
 9/27/2017

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 PRECAST
 PIECE B-01
 (OPTIONAL PRESTRESSED
 CONCRETE BENT CAP)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-23C
1			3			TOTAL SHEETS 25
2			4			

ASSEMBLED BY : P. K. NEWTON	DATE : 9/21/17
CHECKED BY : O. T. NGUYEN	DATE : 9/22/17
DRAWN BY : MAA 3/12	
CHECKED BY : SHS 6/12	

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED