

**BILL OF MATERIAL
FOR ONE PIECE B-02**

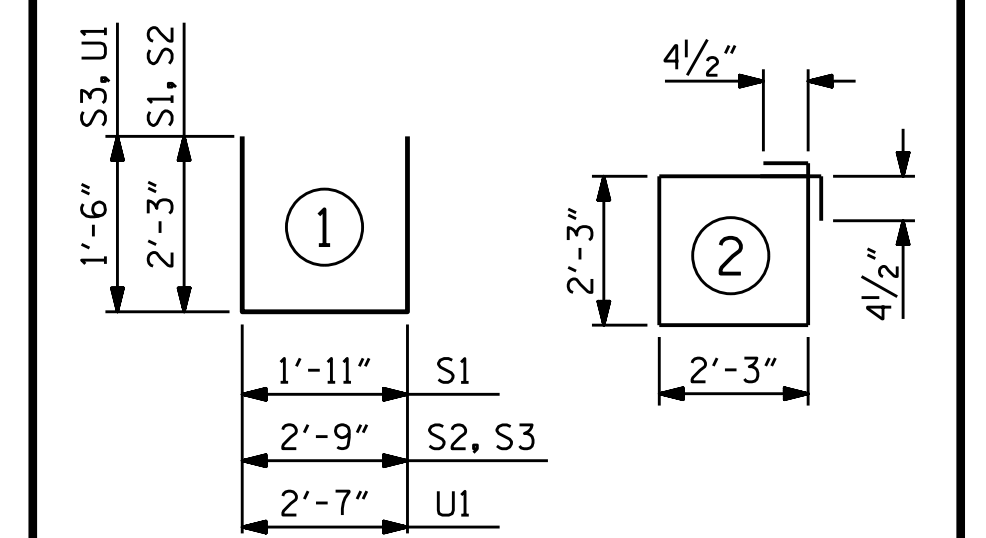
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B2	4	#4	STR	2'-8"	7
B3	6	#4	STR	14'-1"	56
D1	16	#6	STR	1'-6"	36
S1	8	#5	1	6'-5"	54
S2	10	#5	1	7'-3"	76
S3	10	#5	1	5'-9"	60
S4	9	#4	2	9'-9"	59
U1	6	#4	1	5'-7"	22

REINFORCING STEEL 370 LBS

4000 PSI PRESTRESS CONCRETE 3.5 C.Y.
PILE BLOCKOUT GROUT 0.6 C.Y.

0.6" Ø L.R. STRANDS No. 12

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

GRADE 270 STRANDS

	0.6" Ø L.R.
AREA (SQUARE INCHES)	0.217
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 4 OF 5

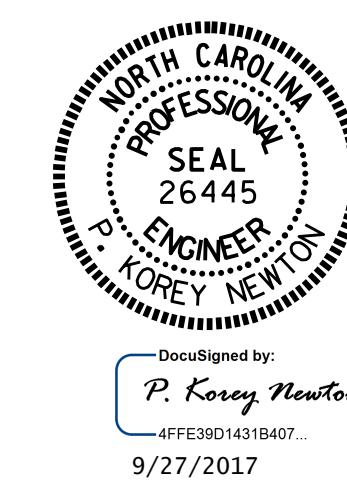
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
PRECAST
PIECE B-02
(OPTIONAL PRESTRESSED
CONCRETE BENT CAP)

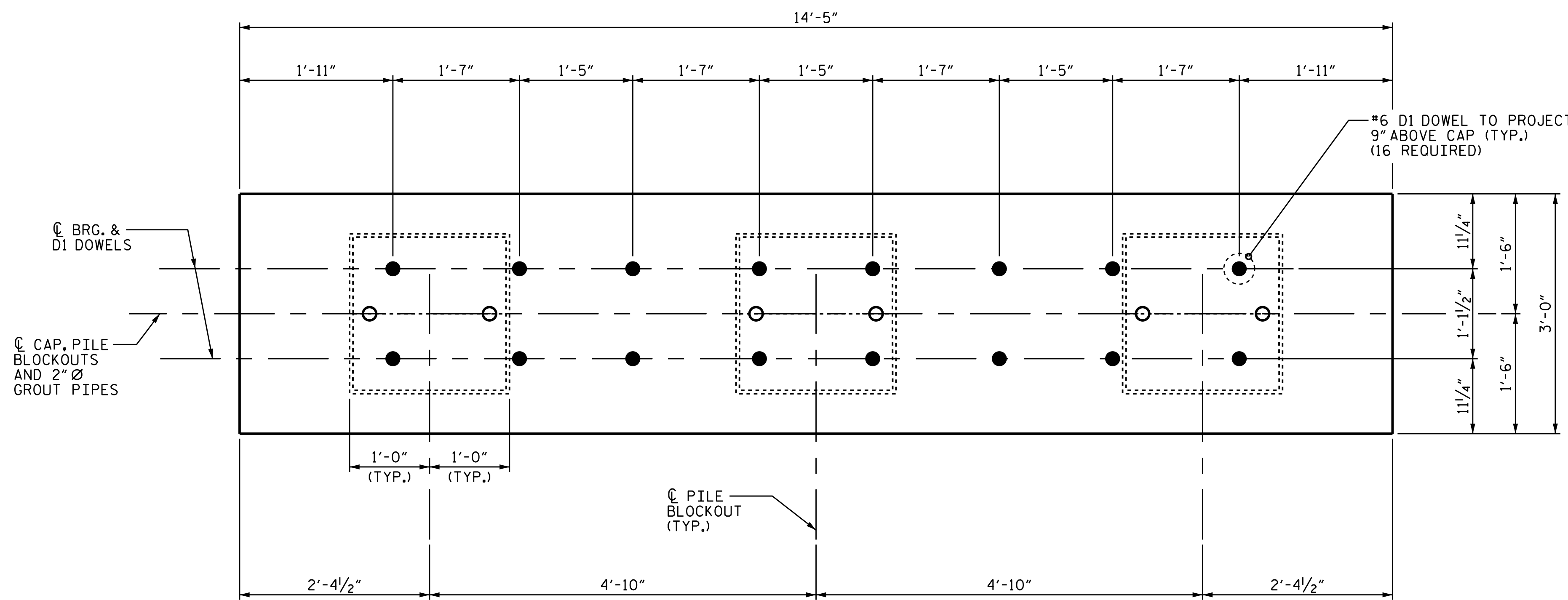
REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO.
S-23D
TOTAL SHEETS
25

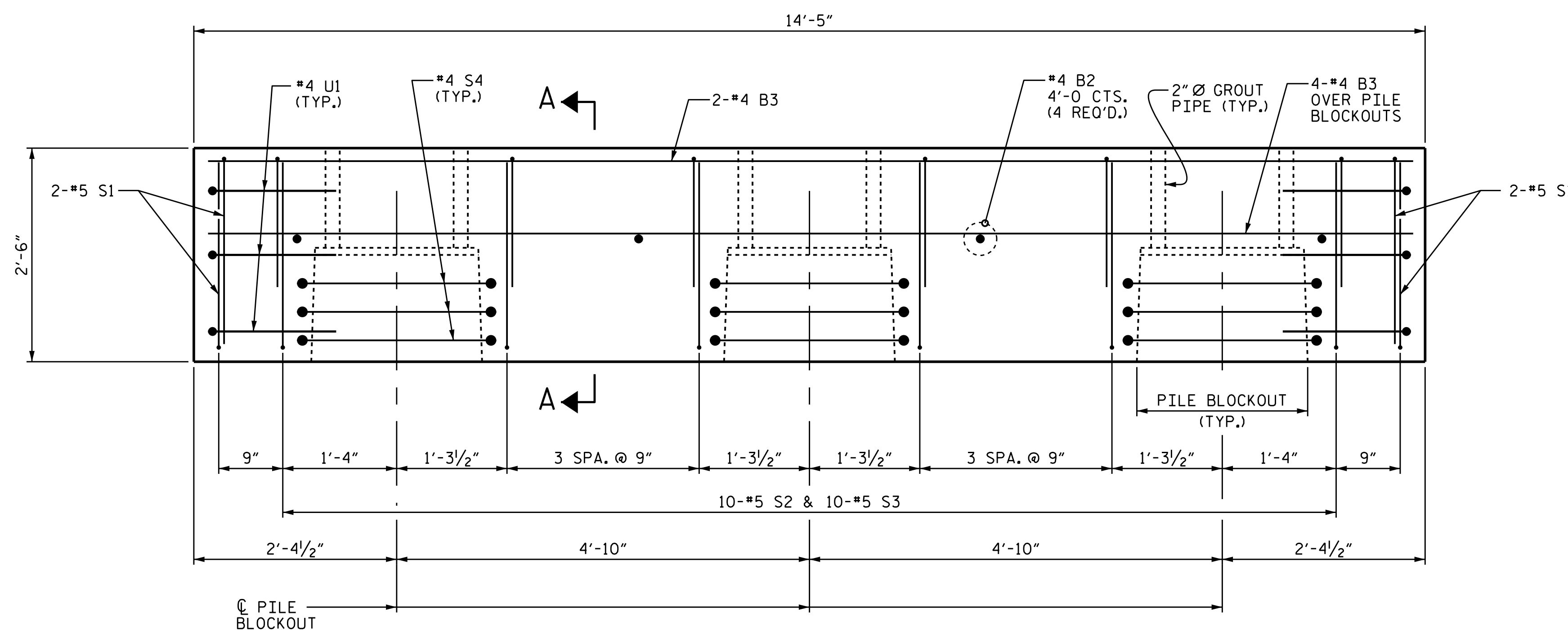


DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED



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.

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

27-SEP-2017 15:57
J:\Structures\Plans\B5304_SMU.B*.dgn
pknewton

STD. NO. 14" HP_PSBT_30_90S_<60'