

**BILL OF MATERIAL
FOR ONE PIECE EB2-02**

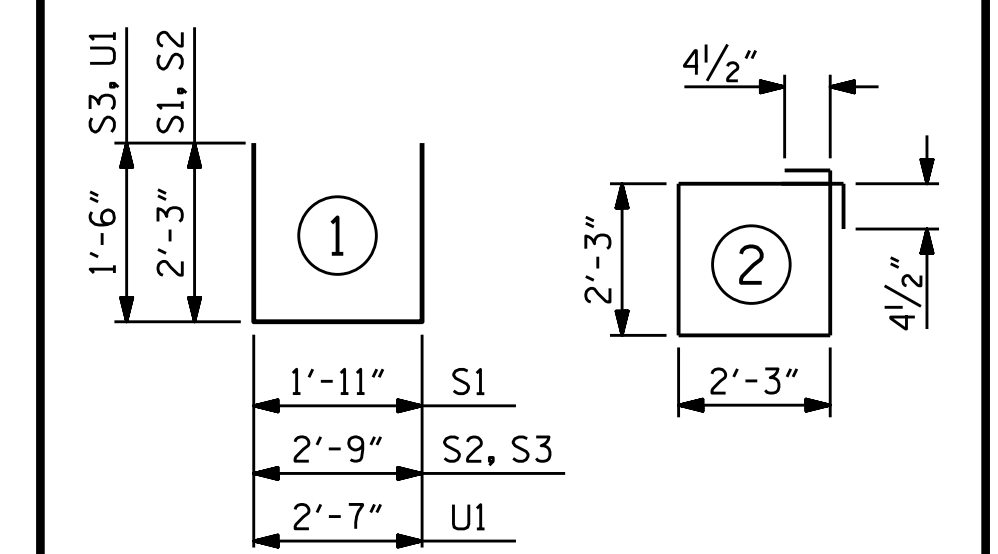
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B2	3	#4	STR	2'-8"	5
B3	6	#4	STR	9'-11"	40
D1	6	#6	STR	1'-6"	14
S1	8	#5	1	6'-5"	54
S2	8	#5	1	7'-3"	60
S3	8	#5	1	5'-9"	48
S4	6	#4	2	9'-9"	39
U1	6	#4	1	5'-7"	22

REINFORCING STEEL 282 LBS

4000 PSI PRESTRESS CONCRETE 2.5 C.Y.
PILE BLOCKOUT GROUT ▲ 0.2 C.Y.

0.6" Ø L.R. STRANDS No. 12

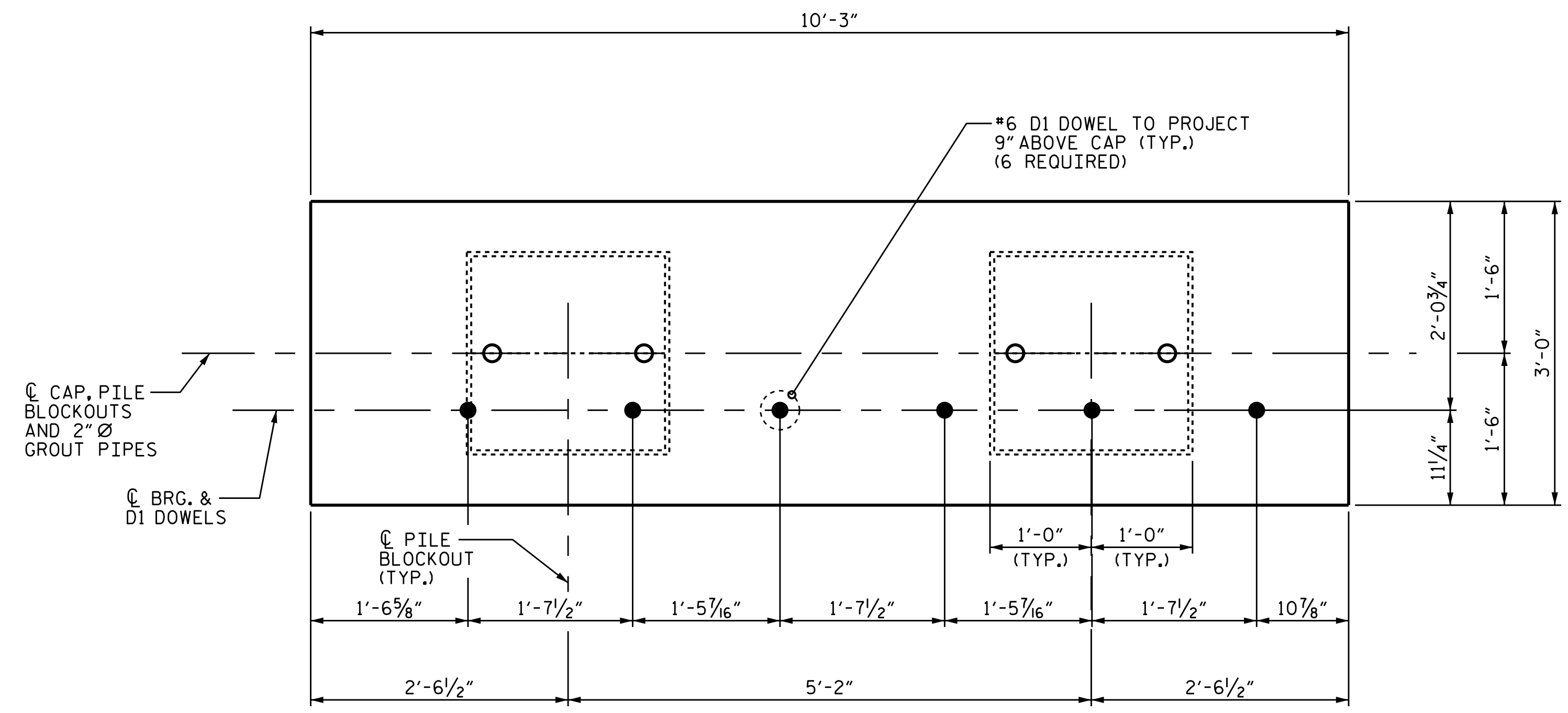
BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

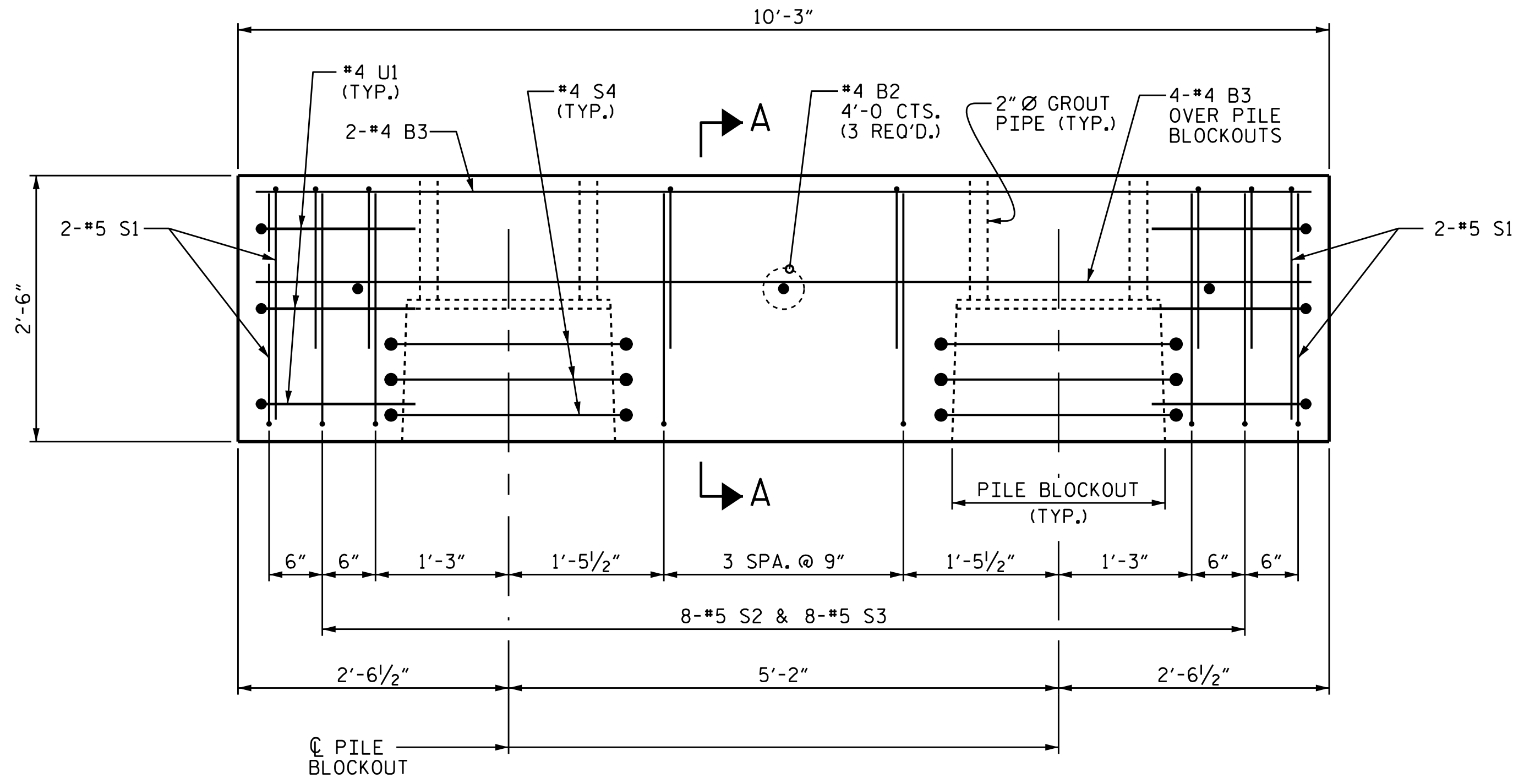
▲ GROUT DISPLACED BY THE 16" PRESTRESSED CONCRETE PILES HAS BEEN DEDUCTED FROM THE GROUT QUANTITY.

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



PLAN

(FOR PILE BLOCKOUT DETAILS, SEE SHEET 5 OF 6)



ELEVATION

(*6 D1 DOWELS NOT SHOWN FOR CLARITY)
FOR SECTION A-A, SEE SHEET 5 OF 6.



DocuSigned by:
Todd M. Garrison
8/3/2015

PROJECT NO. B-2500AB
DARE COUNTY
STATION: 3170+75.00 -L-

SHEET 3 OF 6

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
PRESTRESSED
PIECE EB2-02

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-38
1			3			TOTAL SHEETS 44
2			4			

ASSEMBLED BY : M.A. ALLEN DATE : 6/15
CHECKED BY : T.M. GARRISON DATE : 6/15
DRAWN BY : MAA 7/12
CHECKED BY : SHS 8/12