

**BILL OF MATERIAL
FOR ONE PIECE EB2-01**

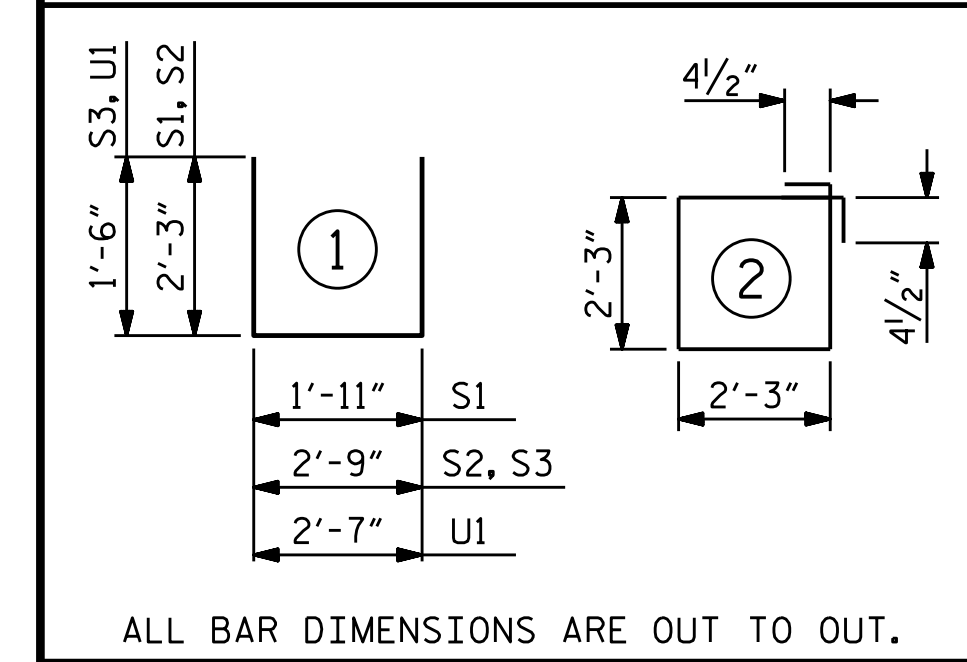
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#4	STR	14'-11"	60
B2	4	#4	STR	2'-8"	7
D1	8	#6	STR	1'-6"	18
*D2	4	#4	STR	2'-8"	7
S1	8	#5	1	6'-5"	54
S2	11	#5	1	7'-3"	83
S3	11	#5	1	5'-9"	66
S4	9	#4	2	9'-9"	59
U1	6	#4	1	5'-7"	22

REINFORCING STEEL 369 LBS
* EPOXY COATED REINFORCING STEEL 7 LBS

4000 PSI PRESTRESS CONCRETE 3.7 C.Y.
PILE BLOCKOUT GROUT ▲ 0.4 C.Y.

0.6" Ø L.R. STRANDS No. 12

BAR TYPES



▲ 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

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

SHEET 2 OF 6

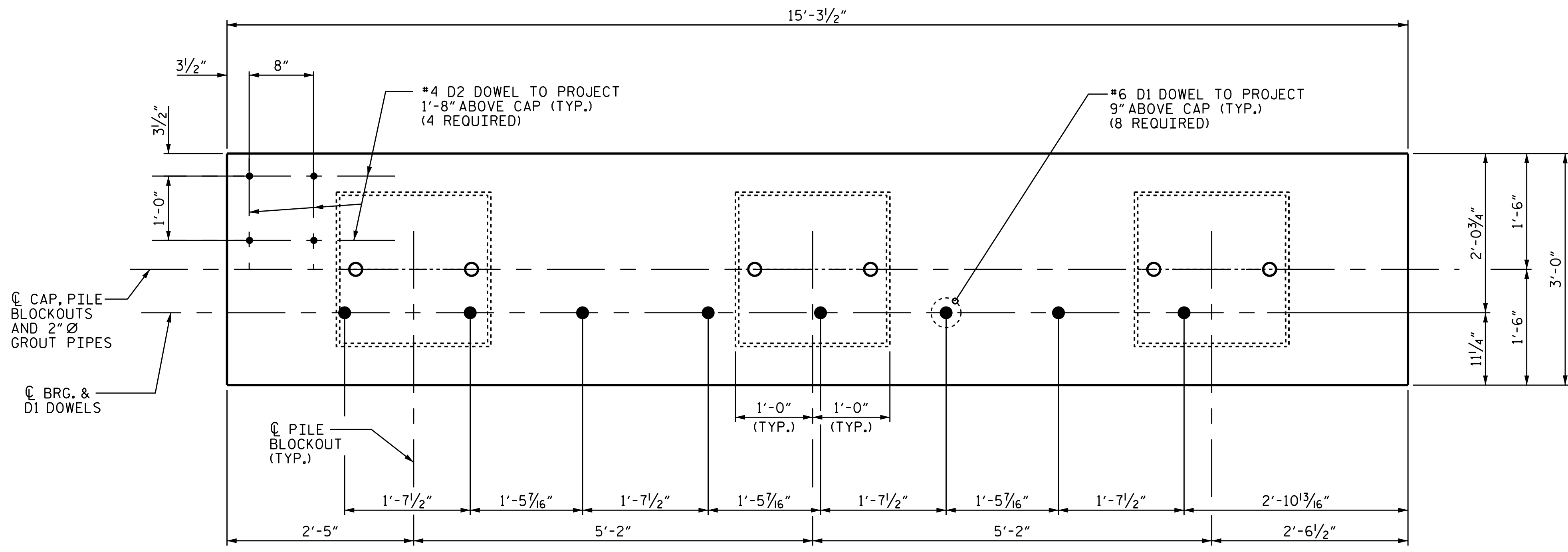
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
PRESTRESSED
PIECE EB2-01

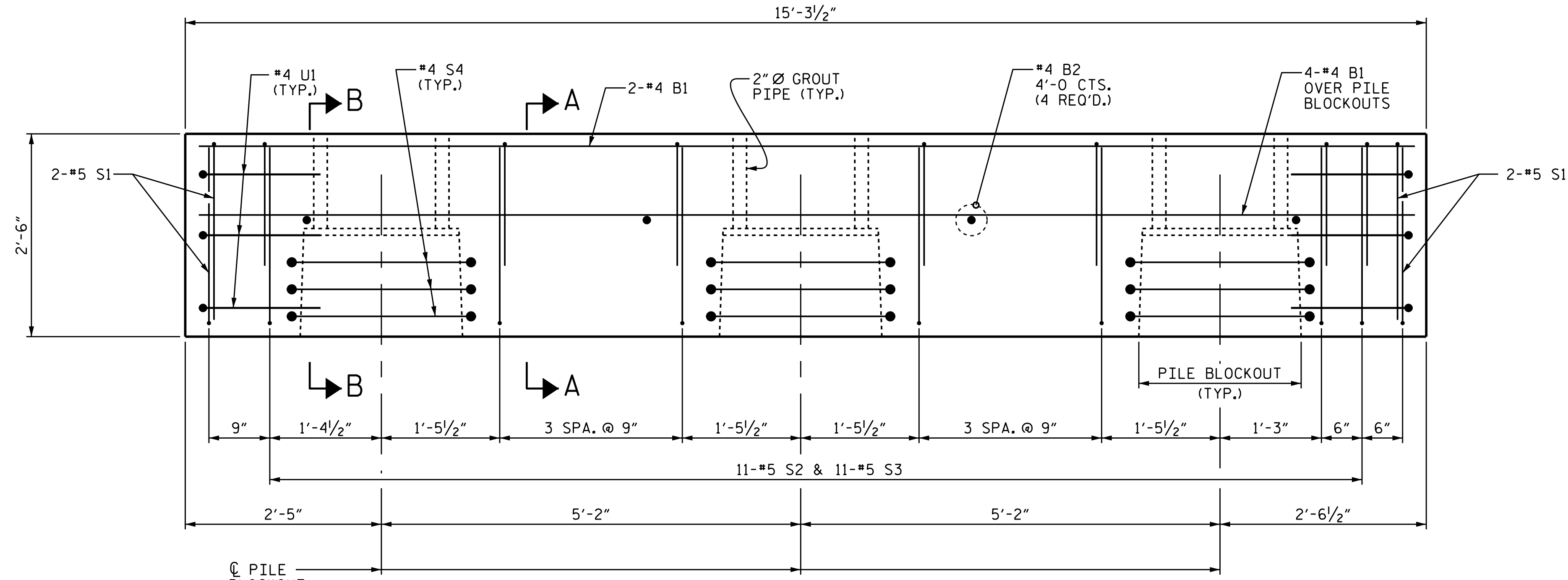


DocuSigned by:
Todd M. Garrison
8/3/2015

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



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



ELEVATION
(*6 D1 AND #4 D2 DOWELS NOT SHOWN FOR CLARITY)
FOR SECTION A-A AND SECTION B-B, SEE SHEET 5 OF 6.

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