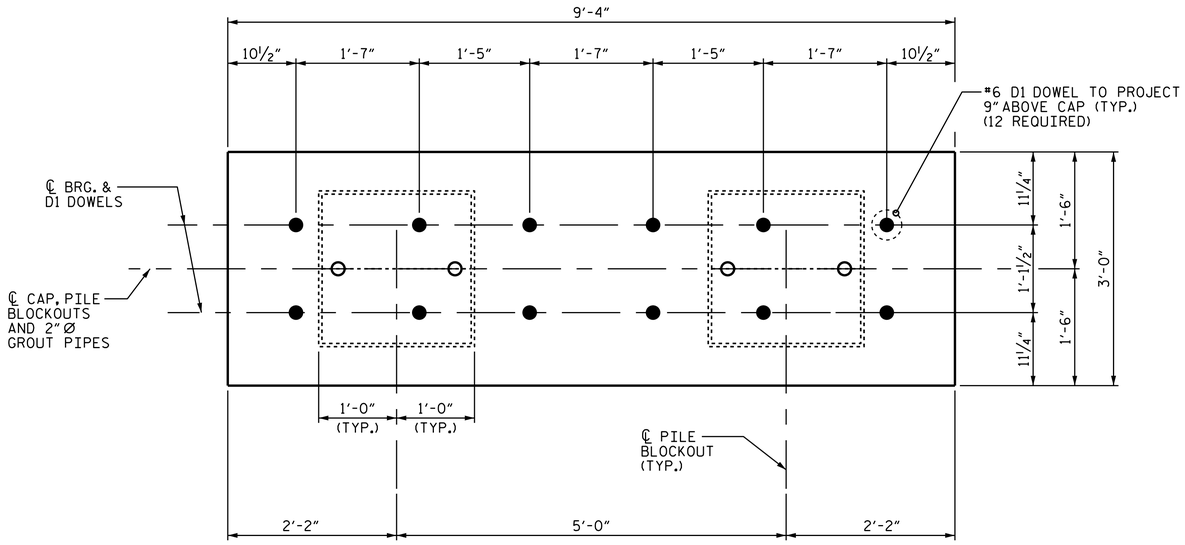
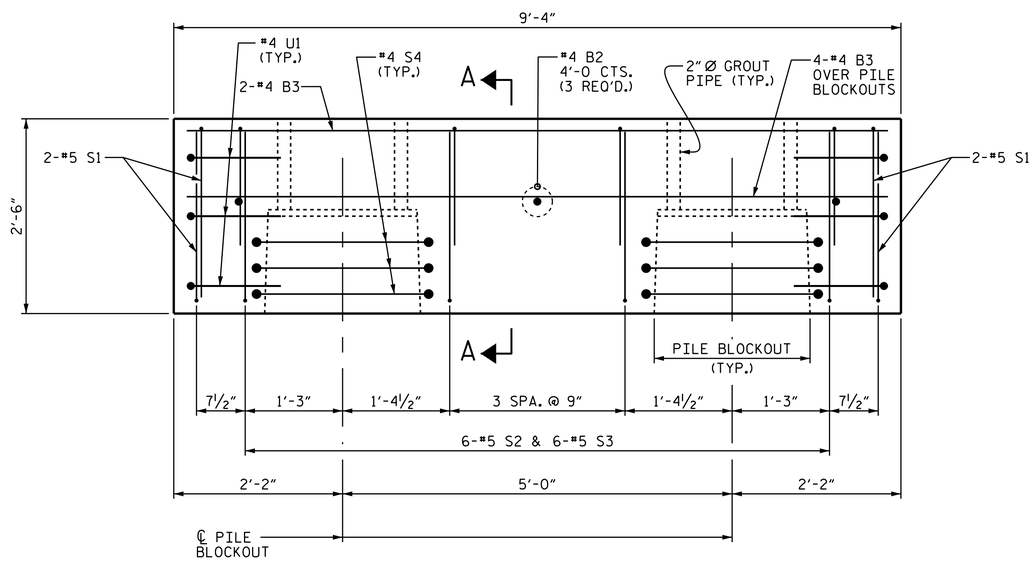


PLAN

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



ELEVATION

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

BILL OF MATERIAL
FOR ONE PIECE B-02

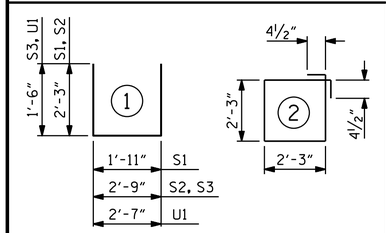
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B2	3	#4	STR	2'-8"	5
B3	6	#4	STR	9'-0"	36
D1	12	#6	STR	1'-6"	27
S1	8	#5	1	6'-5"	54
S2	6	#5	1	7'-3"	45
S3	6	#5	1	5'-9"	36
S4	6	#4	2	9'-9"	39
U1	6	#4	1	5'-7"	22

REINFORCING STEEL 264 LBS

4000 PSI PRESTRESS CONCRETE 2.2 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	
	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-5124
NASH COUNTY
STATION: 36+88.50 -L-

SHEET 4 OF 5

NORTH CAROLINA PROFESSIONAL SEAL 025516 ENGINEER EMILY E. MURRAY
3/9/2015
DocuSigned by: Emily Murray CAEB97AEDC5B4E0...

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

PRECAST PIECE B-02
ALTERNATE 1

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-39D
1			3			TOTAL SHEETS
2			4			71

DRAWN BY : M. A. ALLEN DATE : 3/15
CHECKED BY : E. E. MURRAY DATE : 3/15

09-MAR-2015 07:55
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