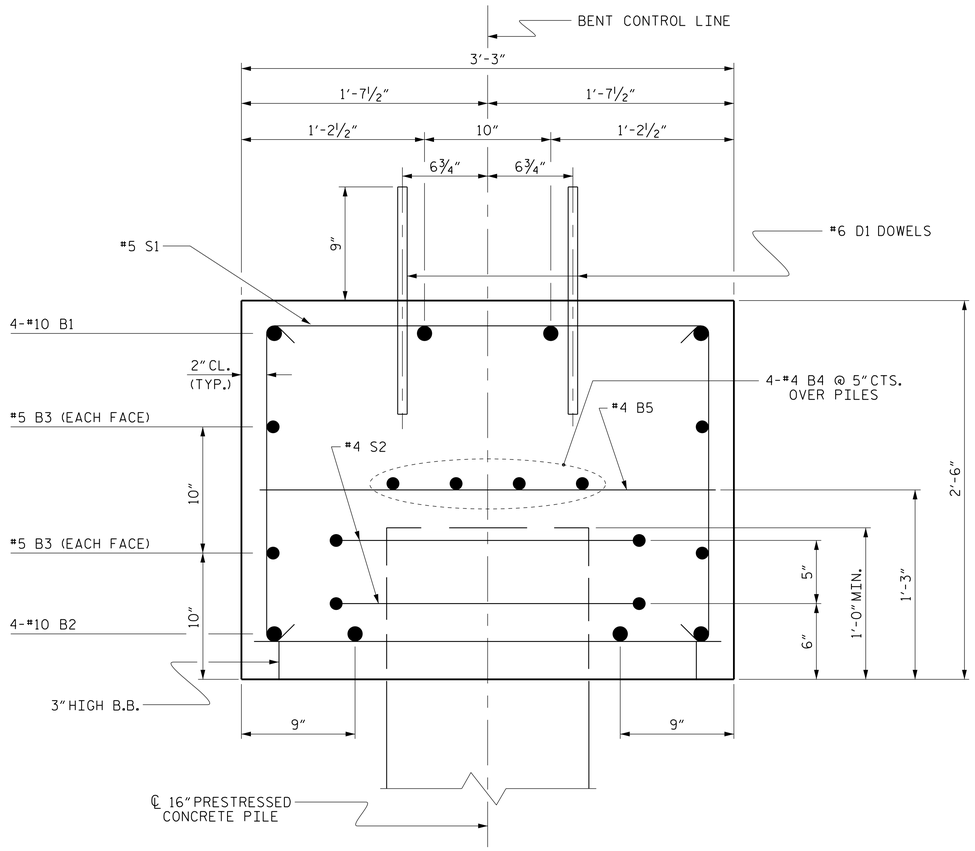
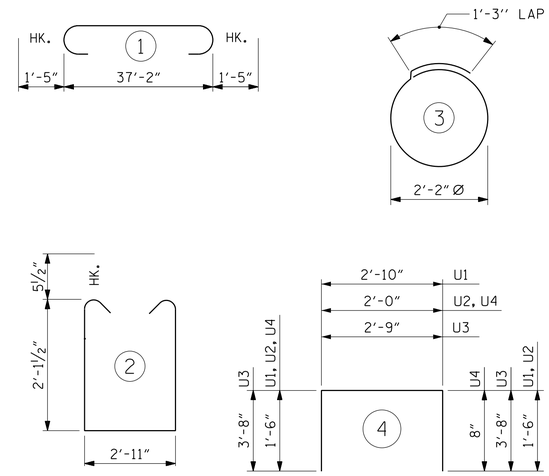
DocuSign Envelope ID: 297288F0-1416-4DB2-9AD3-7F8A03E8E71F



SECTION A-A

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL FOR ONE BENT

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#10	1	40'-0"	688
B2	4	#10	STR	37'-4"	643
B3	4	#5	STR	37'-4"	156
B4	8	#4	STR	19'-11"	106
B5	10	#4	STR	2'-11"	19
D1	44	#6	STR	1'-6"	99
S1	40	#5	2	8'-1"	337
S2	14	#4	3	8'-1"	76
U1	4	#4	4	5'-10"	16
U2	4	#4	4	5'-0"	13
U3	2	#9	4	10'-1"	69
U4	2	#4	4	4'-2"	6

REINFORCING STEEL (FOR ONE BENT) 2228 LBS

CLASS A CONCRETE BREAKDOWN (FOR ONE BENT)

TOTAL CLASS A CONCRETE ▲ 10.9 C.Y.

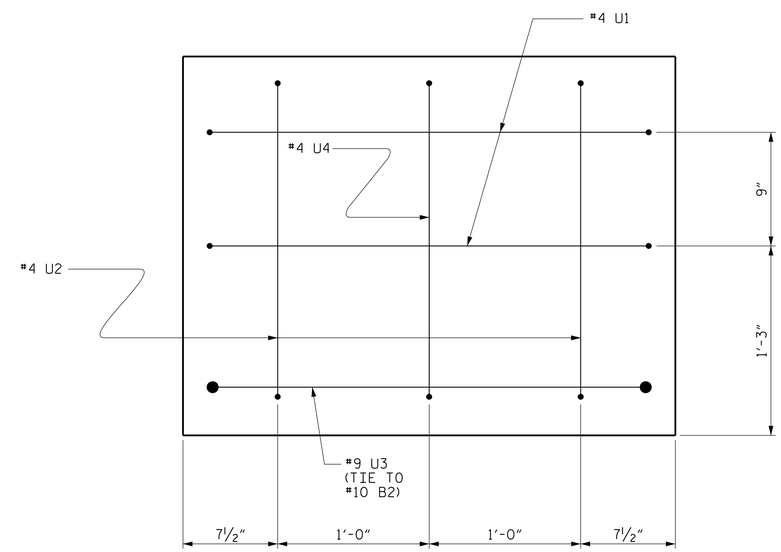
16" PRESTRESSED CONCRETE PILES (FOR ONE BENT)

No. 7 LIN. FT. 280

PILE DRIVING EQUIPMENT SETUP FOR 16" PRESTRESSED CONCRETE PILES (FOR ONE BENT) No. 7

PILE REDRIVES NO: 4

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



END OF CAP VIEW

(TYPICAL BOTH ENDS)

PROJECT NO. 17BP.1.R.93

PERQUIMANS COUNTY

STATION: 17+08.00 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

BENT No. 1

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

THIS STANDARD DRAWING REVIEWED & ADOPTED FOR USE AT THE REFERENCED LOCATION BY THE UNDERSIGNED:

DocuSigned by: Gwendolyn F. Wilson
DocuSign Envelope ID: 1A0435D0-045282
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL GWENDOLYN F. WILSON
3/26/2021

PLANS PREPARED BY:

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ASSEMBLED BY : W. B. ALLEN	DATE : 8/19		
CHECKED BY : G. F. WILSON	DATE : 8/19		
DRAWN BY : DGE 05/10	REV. 6/17	MAA/THC	
CHECKED BY : MKT 05/10			

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-19
1			3			TOTAL SHEETS
2			4			24

STD. NO. 16" PS_BT_33_75&105S_<60'

3/26/2021 7:00:40 AM R:\Structures\17BP.1.R.93_SMU_B2_71002a.dgn