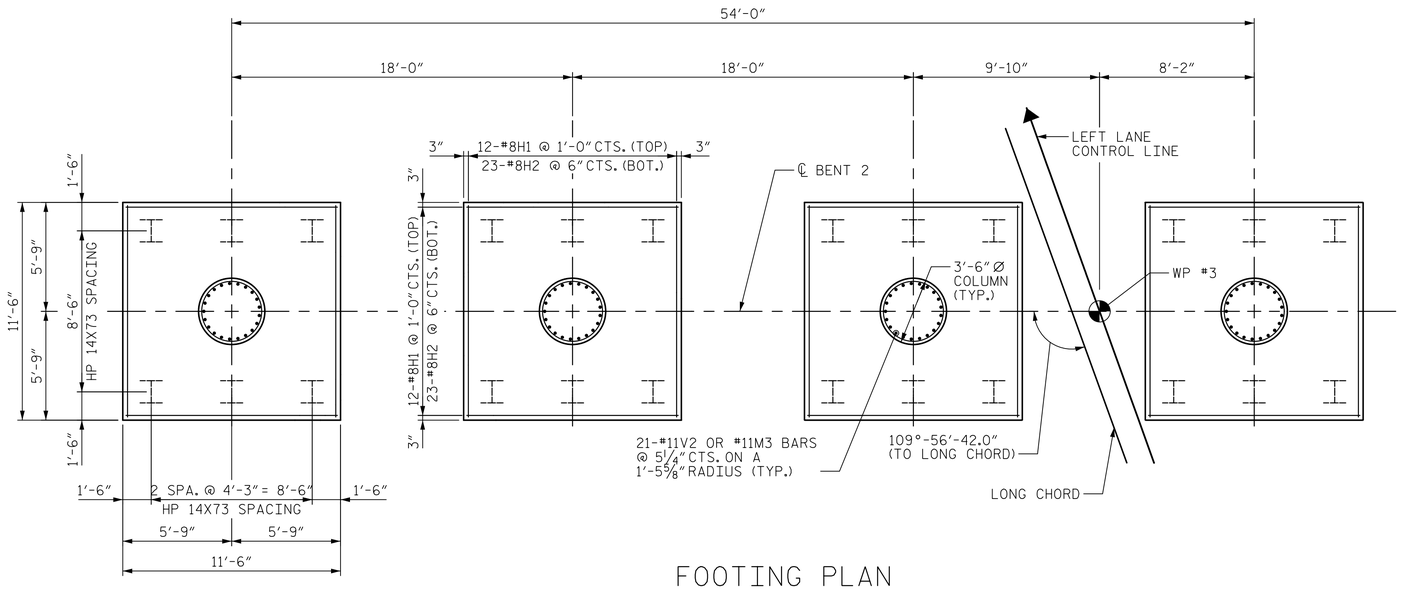
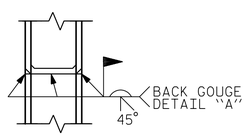
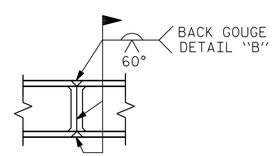


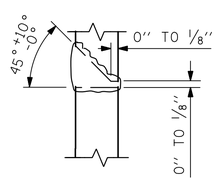
FOOTING PLAN



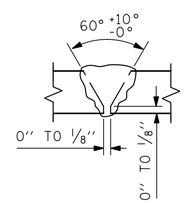
✱✱ PILE VERTICAL



✱✱ PILE HORIZONTAL
OR VERTICAL



DETAIL "A"

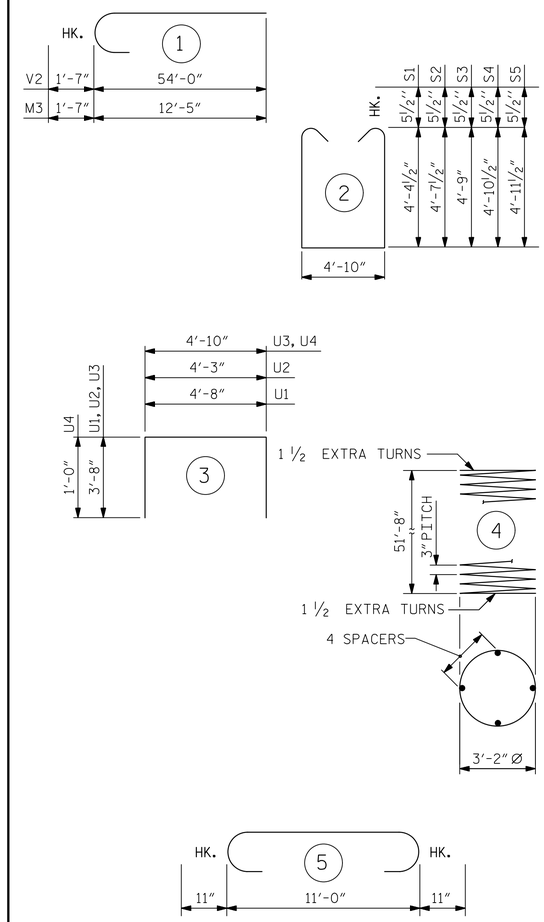


DETAIL "B"

PILE SPLICE DETAILS

✱✱ POSITION OF PILE DURING WELDING

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

✱ THE SP-4 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.

BILL OF MATERIAL
BENT NO. 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT (LBS)
B1	8	#9	STR	50'-0"	1360
B2	8	#9	STR	23'-5"	637
B3	8	#10	STR	50'-0"	1721
B4	8	#10	STR	22'-7"	777
B5	20	#5	STR	33'-5"	697
B6	8	#4	STR	8'-2"	44
B7	24	#4	STR	11'-8"	187
H1	96	#8	STR	11'-0"	2820
H2	184	#8	5	12'-10"	6305
M3	84	#11	1	14'-0"	6248
S1	52	#5	2	14'-6"	786
S2	34	#5	2	15'-0"	532
S3	32	#5	2	15'-3"	509
S4	24	#5	2	15'-6"	388
S5	28	#5	2	15'-8"	458
U1	8	#4	3	12'-0"	64
U2	4	#4	3	11'-7"	31
U3	4	#4	3	12'-2"	33
U4	66	#4	3	6'-10"	301
V2	84	#11	1	55'-7"	24806
REINFORCING STEEL				LBS.	48704
SP-4	4	✱	4	2065'-4"	5519
SPIRAL COLUMN REINFORCING STEEL				LBS.	5519
CLASS "A" CONCRETE BREAKDOWN					
POUR #1 FOOTING				CY.	78.4
POUR #2 COLUMNS				CY.	73.3
POUR #3 CAP				CY.	62.9
CLASS "A" CONCRETE				CY.	214.6
FOUNDATION EXCAVATION					LUMP SUM
HP14x73 STEEL PILES				NO.	24
				LIN. FT.	1040

PROJECT NO. U-2579B
FORSYTH COUNTY
STATION: 628+65.50 -L-

SHEET 3 OF 3

DocuSigned by: Steven K Doerrer
A22D3DBEFA1D43F...
8/8/2014

NORTH CAROLINA PROFESSIONAL SEAL 16572 ENGINEER STEVEN K. DOERRER

Prepared by:
JACOBS
JACOBS ENGINEERING GROUP
111 CORNING ROAD, SUITE 200
CARY, NORTH CAROLINA 27518
TEL: (919) 859-5000

DWG. NO. 36 OF 44

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
BENT 2
FOOTING PLAN AND
BILL OF MATERIALS
LEFT LANE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-345
1			3			TOTAL SHEETS
2			4			707

DRAWN BY : HLS DATE : 7/28/14
CHECKED BY : OKH DATE : 7/28/14

$$$$$$SYSTIME$$$$$ $$$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$$$ $$$$USERNAME$$$$