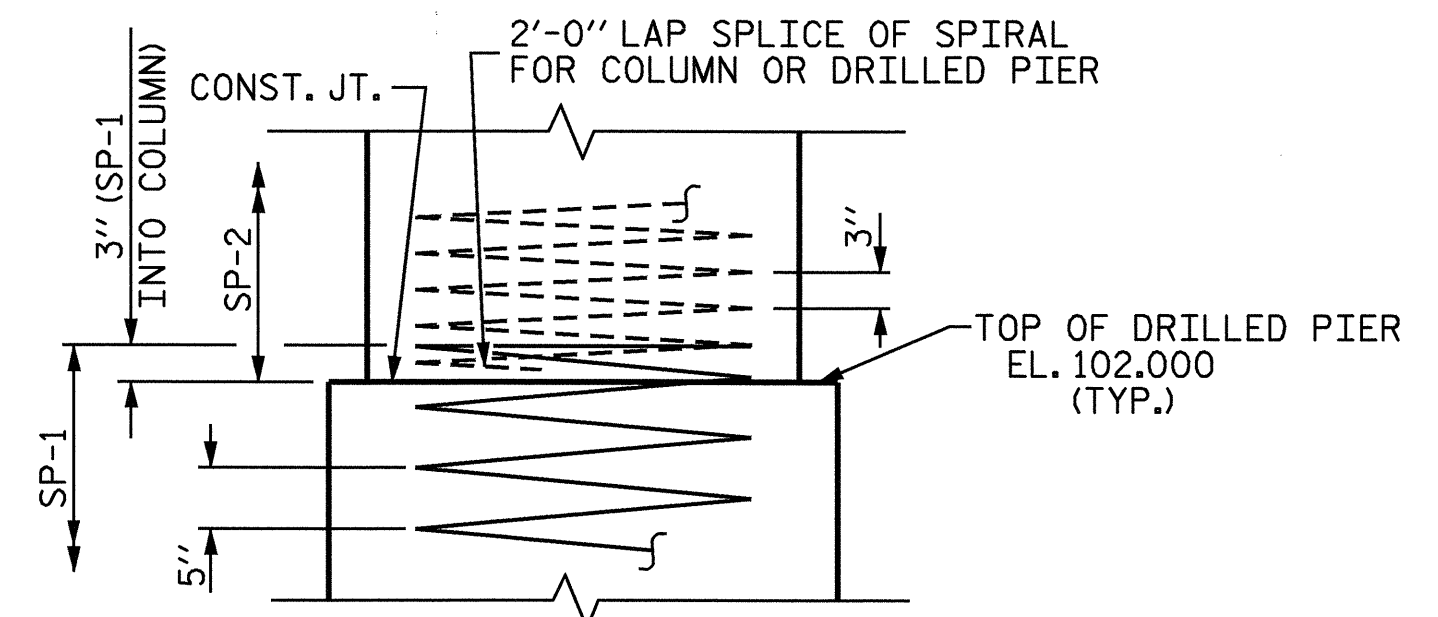
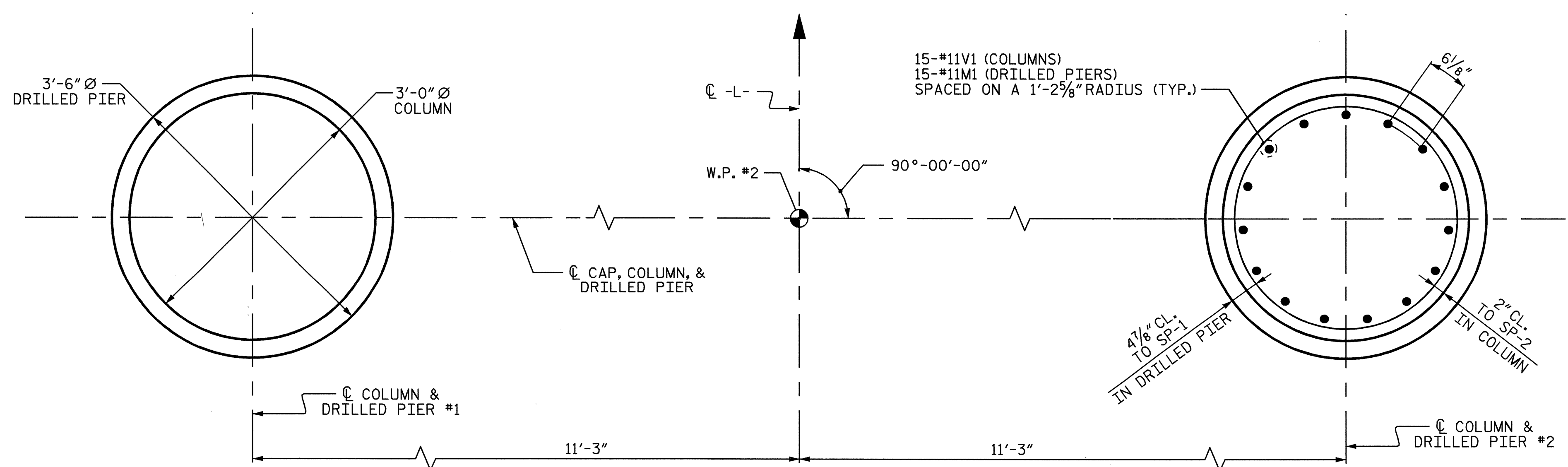


END VIEW
 2" MIN. CONCRETE COVER FROM END OF CAP REQUIRED FOR ALL #4"U" BARS.
 #4"U" BARS MAY BE SHIFTED UP TO 2" TO CLEAR "B" BARS.



CONSTRUCTION JOINT DETAIL



PLAN OF COLUMNS AND DRILLED PIERS

ALL COLUMNS AND DRILLED PIERS ARE IDENTICAL

BAR TYPES		BILL OF MATERIAL				
		BENT #1				
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	12	#11	1	35'-8"	2274	
B2	8	#5	STR	32'-8"	273	
M1	30	#11	STR	25'-11"	4131	
S1	42	#5	3	13'-6"	591	
U1	28	#4	4	6'-4"	118	
U2	8	#4	4	6'-0"	32	
U3	8	#4	4	7'-4"	39	
V1	30	#11	2	20'-2"	3214	
REINFORCING STEEL					= 10672 LBS	
SP-1	2	*	5	327'-0"	682	
SP-2	2	**	6	573'-4"	766	
SPIRAL REINFORCING STEEL					= 1448 LBS	
CLASS A CONCRETE (CU. YDS.)						
POUR #2 (COLUMNS)					8.6	
POUR #3 (CAP)					22.8	
TOTAL					31.4	
DRILLED PIERS						
DRILLED PIER CONCRETE (CU. YDS.)						
POUR #1 (DRILLED PIERS)					11.4	
3'-6" Ø DRILLED PIERS IN SOIL FEET					16.0	
3'-6" Ø DRILLED PIERS NOT IN SOIL FEET					16.0	
PERMANENT STEEL CASING FOR 3'-6" Ø DRILLED PIERS FEET					18.0	
CSL TUBES					148	

ALL BAR DIMENSIONS ARE OUT TO OUT.

* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR,
 ** THE SP-2 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.

PROJECT NO. B-3865
JOHNSTON COUNTY
 STATION: 21+48.00-L-
 SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE BENT #1

REVISIONS		SHEET NO.	
NO.	DATE	NO.	DATE
1		3	
2		4	

TOTAL SHEETS: 33

