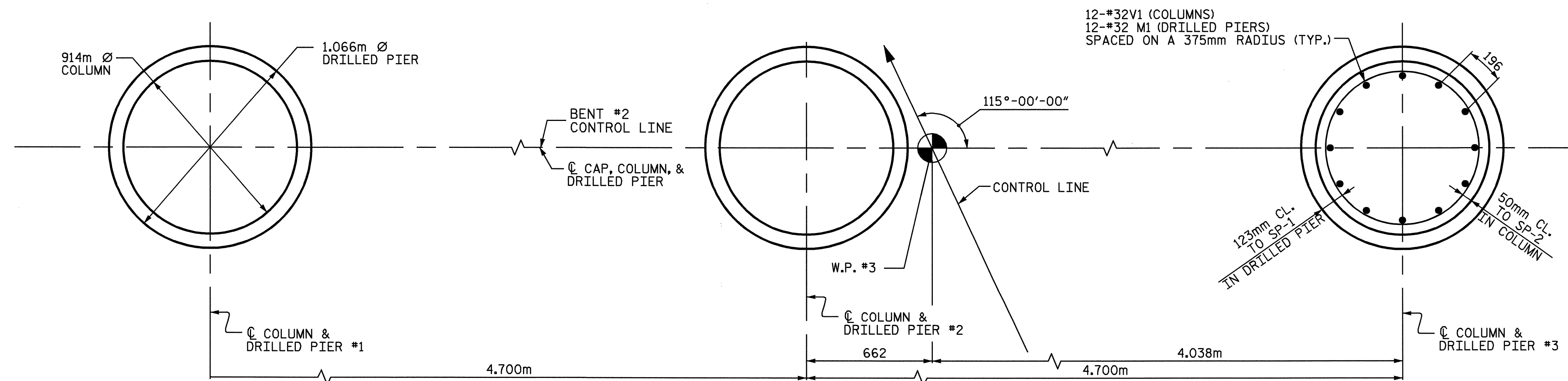


50mm MIN. CONCRETE COVER FROM END OF CAP REQUIRED FOR ALL #13U2, AND #13U3 BARS.
#13U2 AND #13U3 BARS MAY BE SHIFTED UP TO 50mm TO CLEAR "B" BARS.

BAR TYPES				BILL OF MATERIAL		
BENT #2						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	5	36	STR.	12240	484	
B2	5	36	1	13140	519	
B3	12	13	STR.	6490	77	
M1	36	32	STR.	7900	1821	
S1	50	16	3	3360	261	
U1	36	13	4	2080	74	
U2	8	13	4	2020	16	
U3	10	13	4	1820	18	
V1	36	32	2	2980	687	
REINFORCING STEEL (kg)				3957		
SP-1	3	*	5	106020	494	
SP-2	3	**	6	82940	247	
SPIRAL REINFORCING STEEL (kg)				741		
CLASS A CONCRETE (cu. meters)						
POUR 2 (COLUMNS)				4.7		
POUR 3 (CAP)				17.1		
TOTAL				21.8		
DRILLED PIERS						
DRILLED PIER CONCRETE (cu. meters)				13.8		
POUR 1 (DRILLED PIERS)						
1.066m Ø DRILLED PIERS IN SOIL				8.9		
1.066m Ø DRILLED PIERS NOT IN SOIL				6.6		
PERMANENT STEEL CASING FOR 1.066m Ø DRILLED PIERS				6.8		
CROSSHOLE SONIC LOGGING				1		
CSL TUBES				64.9		

* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #16 PLAIN OR DEFORMED BAR.
* THE SP-2 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #13 PLAIN OR DEFORMED BAR.



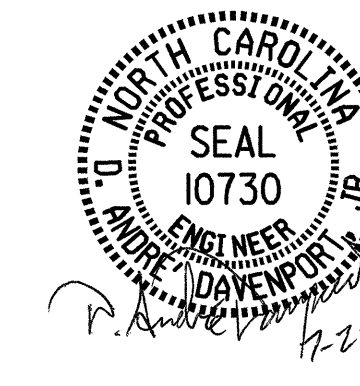
PLAN OF COLUMNS AND DRILLED PIERS
ALL COLUMNS AND DRILLED PIERS ARE IDENTICAL

PROJECT NO. R-2610B
CHATHAM COUNTY
STATION 22+83.400-L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
BENT #2



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	5-23
1			3			TOTAL SHEETS
2			4			60

STR. #1