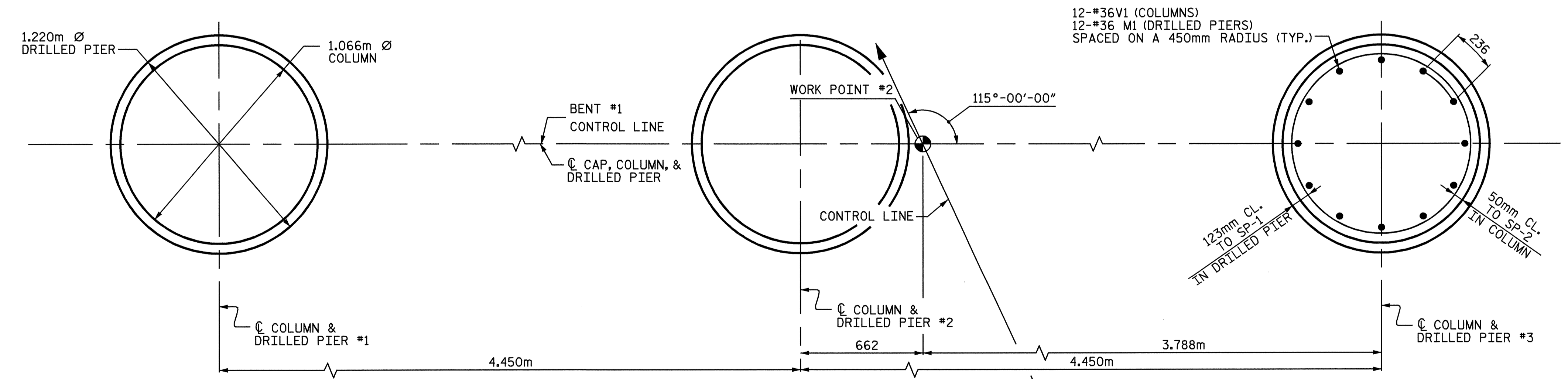


50mm MIN. CONCRETE COVER FROM END OF CAP REQUIRED FOR ALL #13U2, AND #13U3 BARS.
 #13U2, #13U3, AND #13U4 BARS MAY BE SHIFTED UP TO 50mm TO CLEAR "B" BARS.

BAR TYPES				BILL OF MATERIAL			
				BENT #1			
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT			
B1	5	29	STR.	12040			
B2	5	29	1	12740			
B3	8	13	STR.	6400			
M1	36	36	STR.	8240			
S1	34	16	3	2900			
U1	30	13	4	2100			
U2	6	13	4	1980			
U3	8	13	4	1540			
V1	36	36	2	3720			
REINFORCING STEEL (kg)				4323			
SP-1	3	*	5	125560	585		
SP-2	3	**	6	106620	317		
SPIRAL REINFORCING STEEL (kg)				902			
CLASS A CONCRETE (cu. meters)							
POUR 2 (COLUMNS)				7.0			
POUR 3 (CAP)				13.4			
TOTAL				20.4			
DRILLED PIERS							
DRILLED PIER CONCRETE (cu. meters)				17.9			
POUR 1 (DRILLED PIERS)							
1.220m Ø DRILLED PIERS IN SOIL				7.5			
1.220m Ø DRILLED PIERS NOT IN SOIL				7.8			
PERMANENT STEEL CASING FOR 1.220m Ø DRILLED PIERS				7.5			
CROSSHOLE SONIC LOGGING				1			
CSL TUBES				71.5			

* 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.

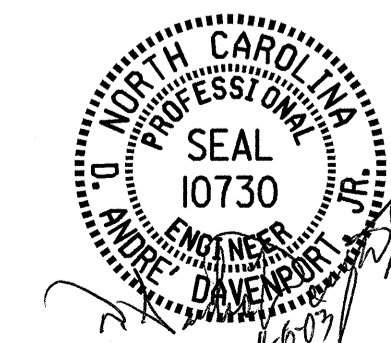


PLAN OF COLUMNS AND DRILLED PIERS
 ALL COLUMNS AND DRILLED PIERS ARE IDENTICAL

PROJECT NO. R-2610B
CHATHAM COUNTY
 STATION 97+00.000-L-

SHEET 2 OF 2

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-51	
1			3			TOTAL SHEETS	
2			4			60	



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DRAWN BY: D.A. DAVENPORT DATE: 10/03
 CHECKED BY: H.T. BARBOUR DATE: 10/03