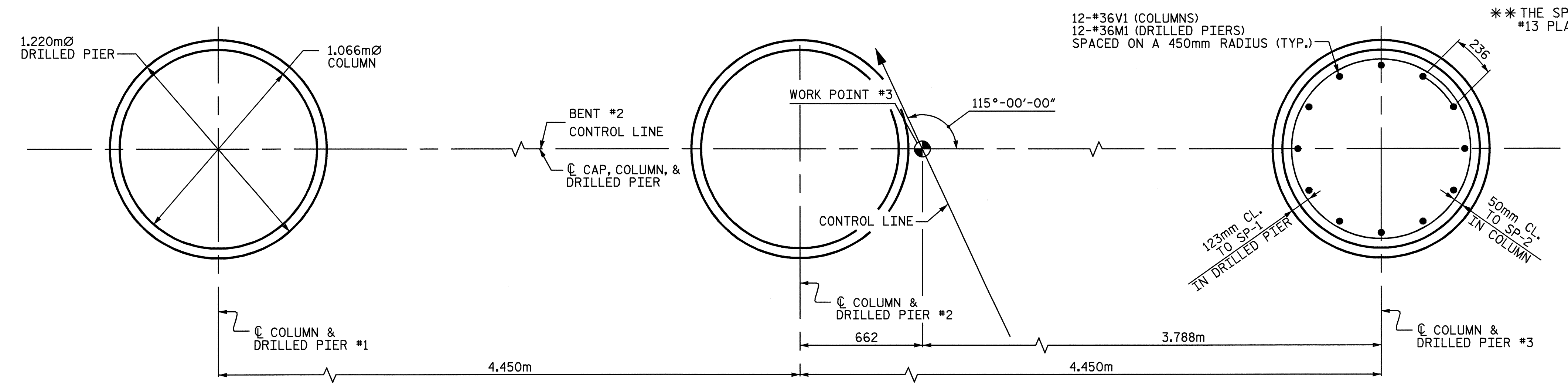


50mm MIN. CONCRETE COVER FROM END OF CAP REQUIRED FOR ALL #13U2, AND #13U3 BARS.
 #13U2, #13U3, AND #13U4 BARS MAY BE SHIFTED UP TO 50mm TO CLEAR "B" BARS.

BAR TYPES				BILL OF MATERIAL				
				BENT #2				
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT				
B1	5	29	STR.	12040	305			
B2	5	29	1	12740	322			
B3	8	13	STR.	6400	51			
M1	36	36	STR.	7560	2152			
S1	34	16	3	2900	153			
U1	30	13	4	2100	63			
U2	6	13	4	1980	12			
U3	8	13	4	1540	12			
V1	36	36	2	4500	1281			
REINFORCING STEEL (kg)				4351				
SP-1	3	*	5	109020	508			
SP-2	3	**	6	137580	410			
SPIRAL REINFORCING STEEL (kg)				918				
CLASS A CONCRETE (cu. meters)								
POUR 2 (COLUMNS)				9.1				
POUR 3 (CAP)				13.4				
TOTAL				22.5				
DRILLED PIERS								
DRILLED PIER CONCRETE (cu. meters)				15.6				
POUR 1 (DRILLED PIERS)								
1.220m Ø DRILLED PIERS IN SOIL				5.0				
1.220m Ø DRILLED PIERS NOT IN SOIL				8.3				
PERMANENT STEEL CASING FOR 1.220m Ø DRILLED PIERS				5.5				
CROSSHOLE SONIC LOGGING				1				
CSL TUBES				63.5				

* 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.



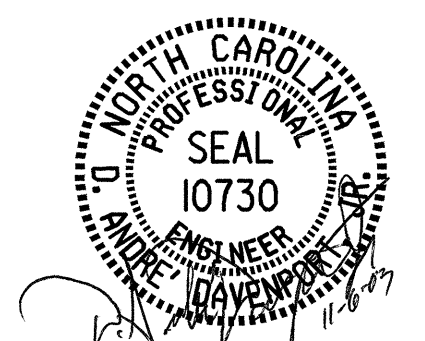
PLAN OF COLUMNS AND DRILLED PIERS
 ALL COLUMNS AND DRILLED PIERS ARE IDENTICAL

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

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SUBSTRUCTURE
 BENT #2**



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

TOTAL SHEETS: 60
 SHEET NO.: S-53

29-OCT-2003 08:08
 W:\squad\N-2610B\caddavenport\Microstation\N-2610B_SD_BTL-2.dgn
 caddavenport

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