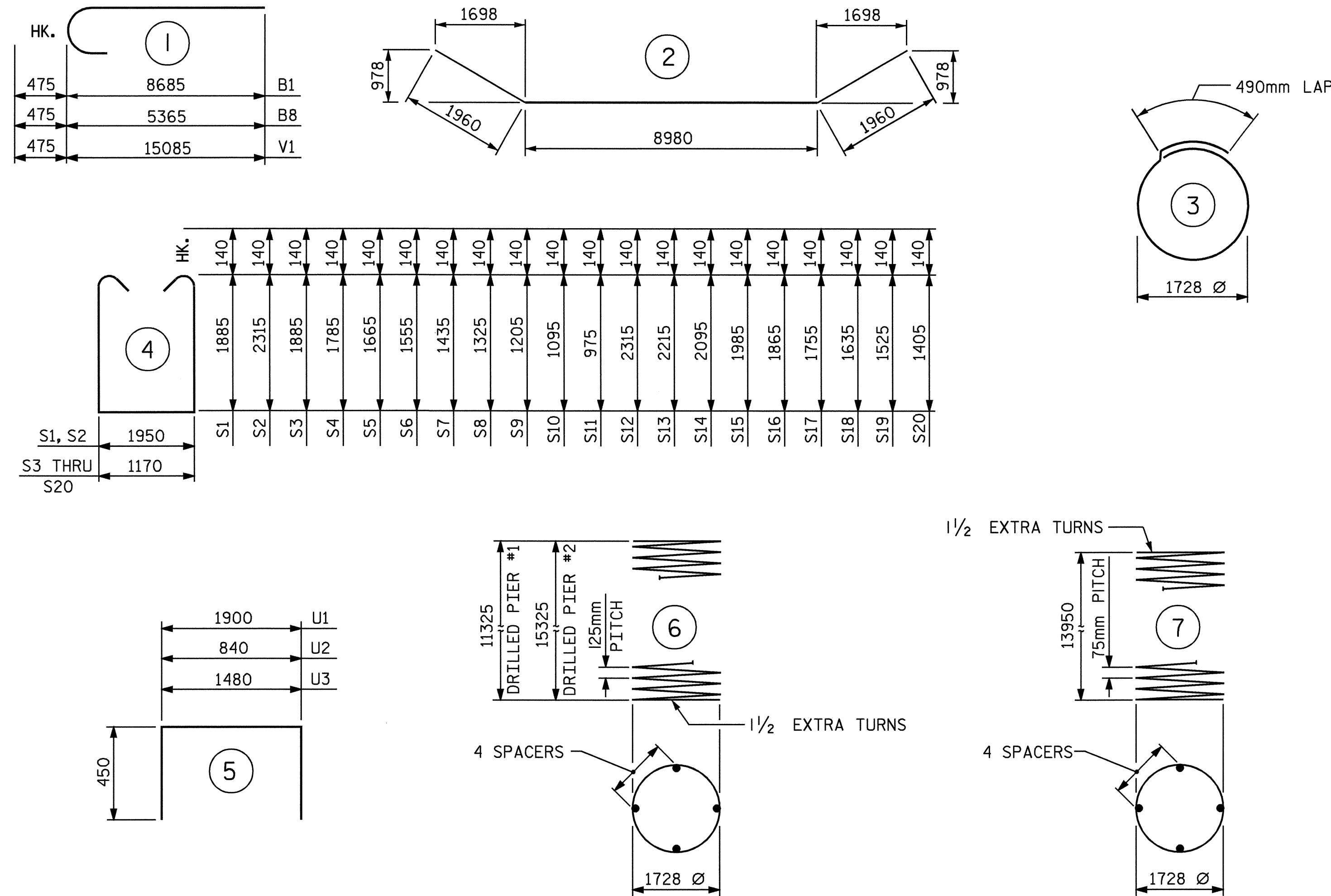


BAR TYPES



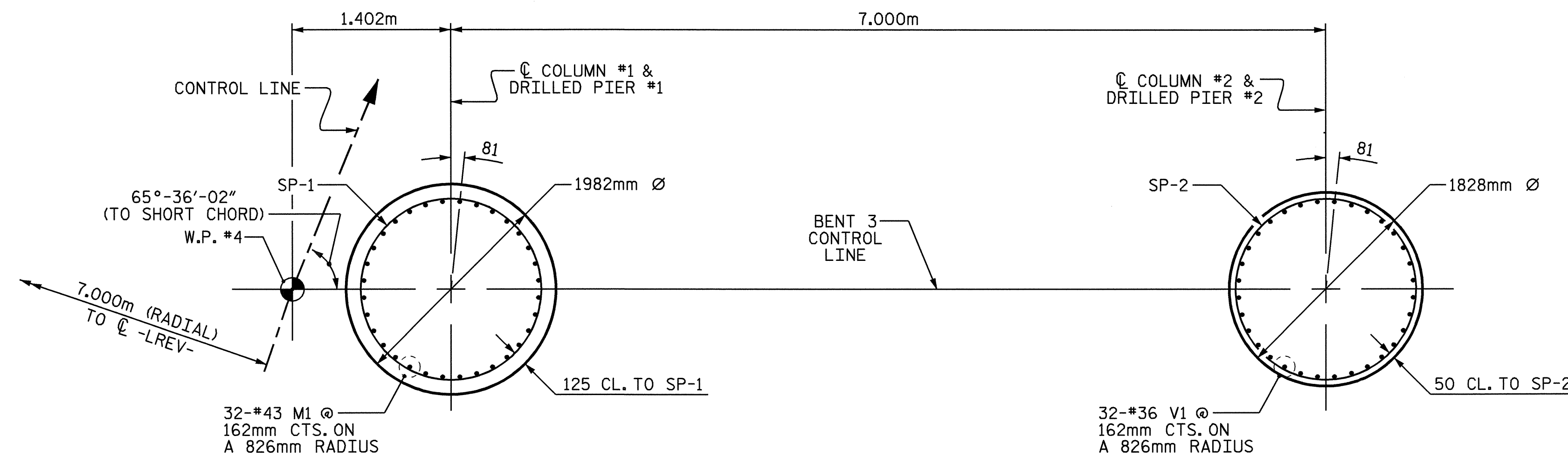
ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

BENT 3

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#36	1	9160	579	U1	49	#13	5	2800	136
B2	8	#36	2	12900	816	U2	6	#13	5	1740	10
B3	6	#19	STR	12400	166	U3	6	#13	5	2380	14
B4	2	#19	STR	11880	53						
B5	2	#19	STR	10980	49	V1	64	#36	1	15560	7874
B6	2	#19	STR	10060	45						
B7	8	#13	STR	9040	72	REINFORCING STEEL					kg 22699
B8	8	#36	3	5840	369	SPIRAL COLUMN REINFORCING STEEL					
B9	8	#13	STR	1740	14	SP-1	1	**	6	496,680	771
B10	4	#13	STR	4200	17	SP-2	2	**	7	1,008,620	3131
B11	4	#13	STR	1940	8	SP-3	1	**	6	669,240	1039
M1	32	#43	STR	14600	5317	SPRAL COLUMN REINFORCING STEEL					kg 4941
M2	32	#43	STR	17600	6409						
S1	15	#16	4	6000	140	CLASS A CONCRETE BREAKDOWN					
S2	10	#16	4	6860	106	POUR #2 (COLUMNS)					C.M. 72.8
S3	2	#16	4	5220	16	POUR #3 (CAP)					C.M. 54.9
S4	2	#16	4	5020	16	TOTAL CLASS A CONCRETE					C.M. 127.7
S5	2	#16	4	4780	15	DRILLED PIER CONCRETE BREAKDOWN					
S6	2	#16	4	4560	14	POUR #1 (DRILLED PIERS)					C.M. 83.1
S7	2	#16	4	4320	13	1982mm Ø DRILLED PIERS NOT IN SOIL					METERS 6.0
S8	2	#16	4	4100	13	1982mm Ø DRILLED PIERS IN SOIL					METERS 21.0
S9	2	#16	4	3860	12						
S10	2	#16	4	3640	11	SPT TESTING					EA. 2
S11	2	#16	4	3400	11	SID INSPECTION					EA. 1
S12	2	#16	4	6080	19	CROSSHOLE SONIC LOGGING					EA. 1
S13	2	#16	4	5880	18						
S14	2	#16	4	5640	18	CSL TUBES					METERS 170.7
S15	2	#16	4	5420	17						
S16	2	#16	4	5180	16						
S17	2	#16	4	4960	15						
S18	2	#16	4	4720	15						
S19	2	#16	4	4500	14						
S20	2	#16	4	4260	13						
S21	26	#16	3	5920	239						

\*\* THE "SP" SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #16 PLAIN OR DEFORMED BAR.



PLAN OF DRILLED PIER  
REINFORCING STEEL & DIMENSIONS  
ARE TYPICAL FOR ALL DRILLED PIERS

PLAN OF COLUMN  
REINFORCING STEEL & DIMENSIONS  
ARE TYPICAL FOR ALL DRILLED PIERS

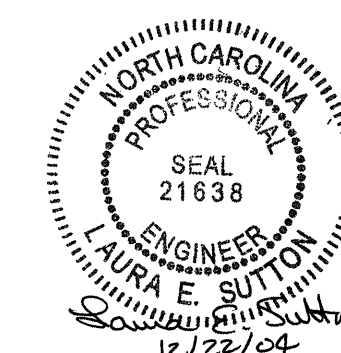
PLAN OF COLUMNS AND DRILLED PIERS

PROJECT NO. R-0977A  
CHEROKEE COUNTY  
STATION: 68+58.000-LREV-

SHEET 3 OF 3

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUBSTRUCTURE  
BENT 3



DRAWN BY : M.K. BEARD DATE : 10/21/04  
CHECKED BY : L.E. SUTTON DATE : 12/19/04

22-DEC-2004 10:51  
W:\SquadL\R0977a\str5\kbeard\R0977A.sd.B\*.05.dgn  
lsutton

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

S-220  
TOTAL SHEETS  
230

STR. #5