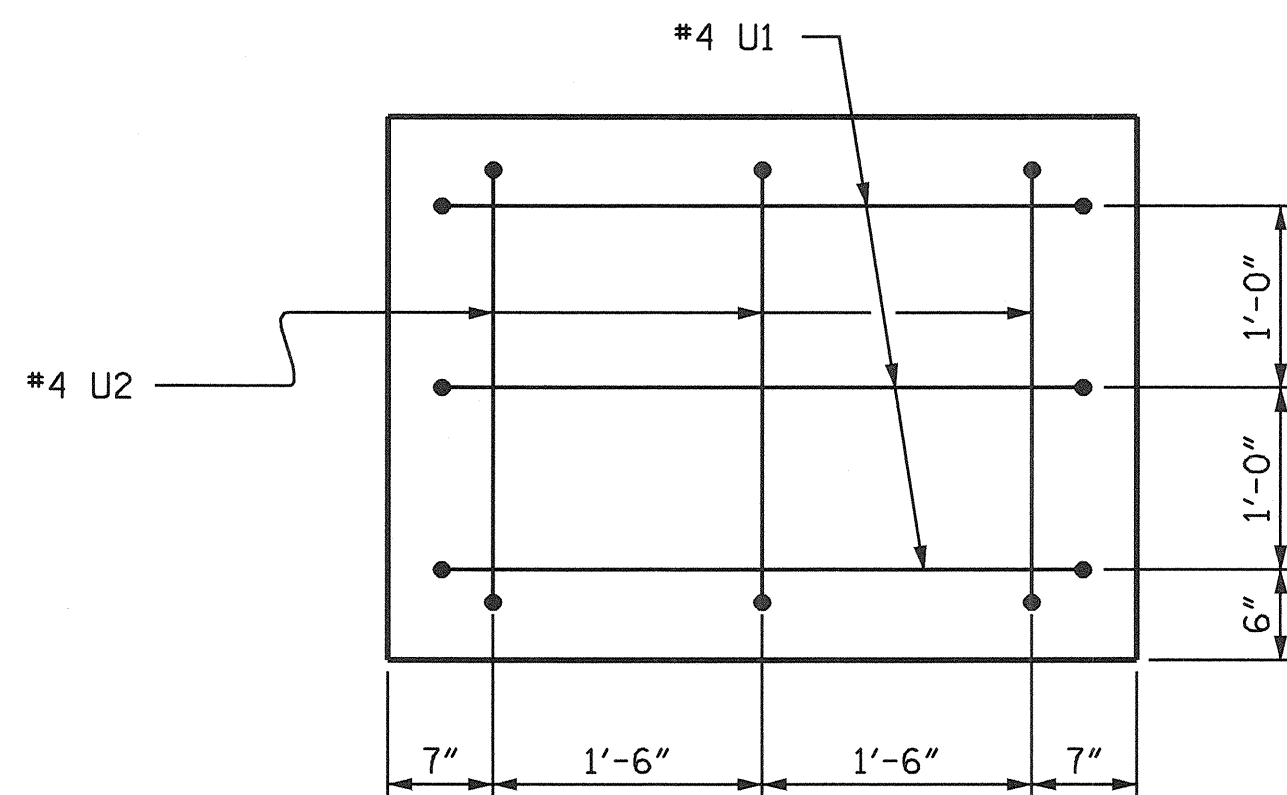
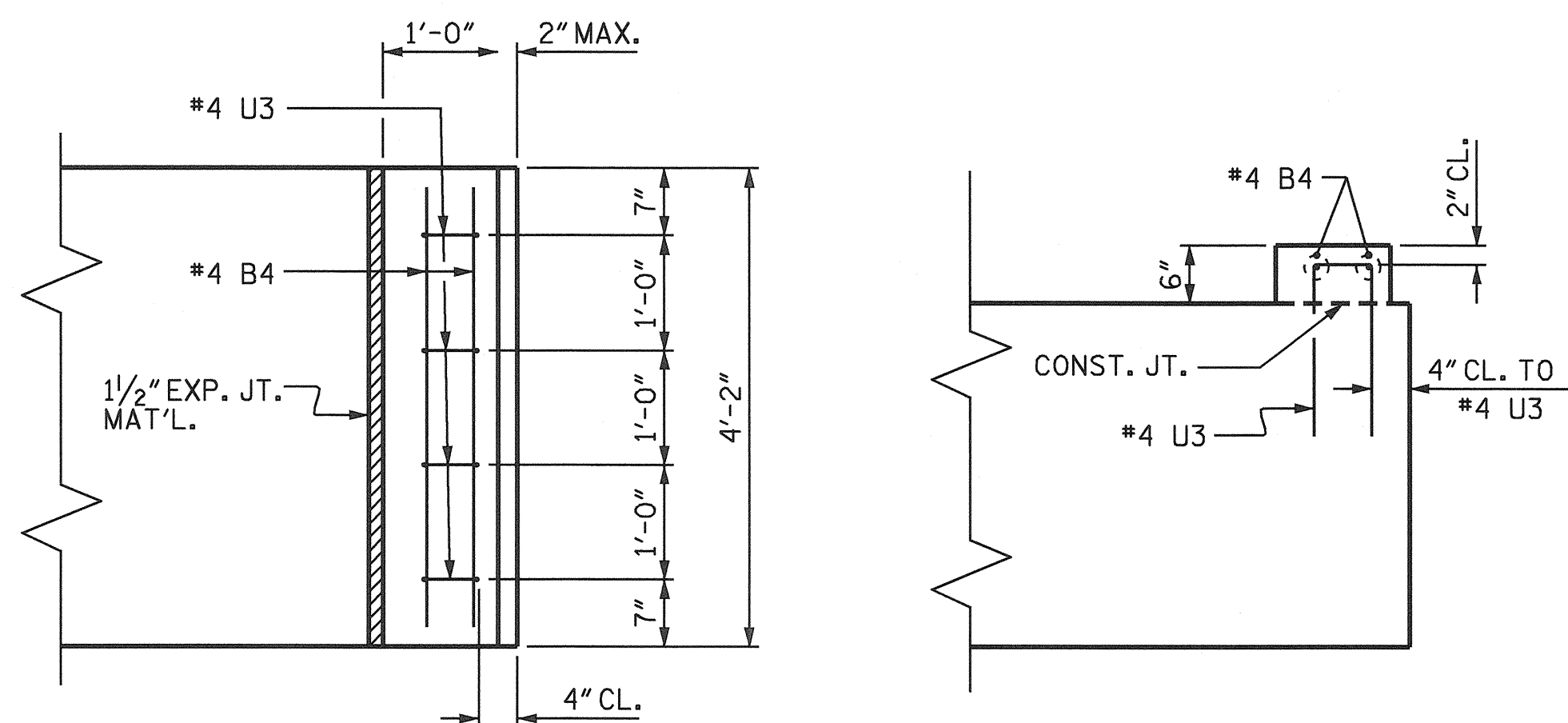


SECTION A-A



END VIEW

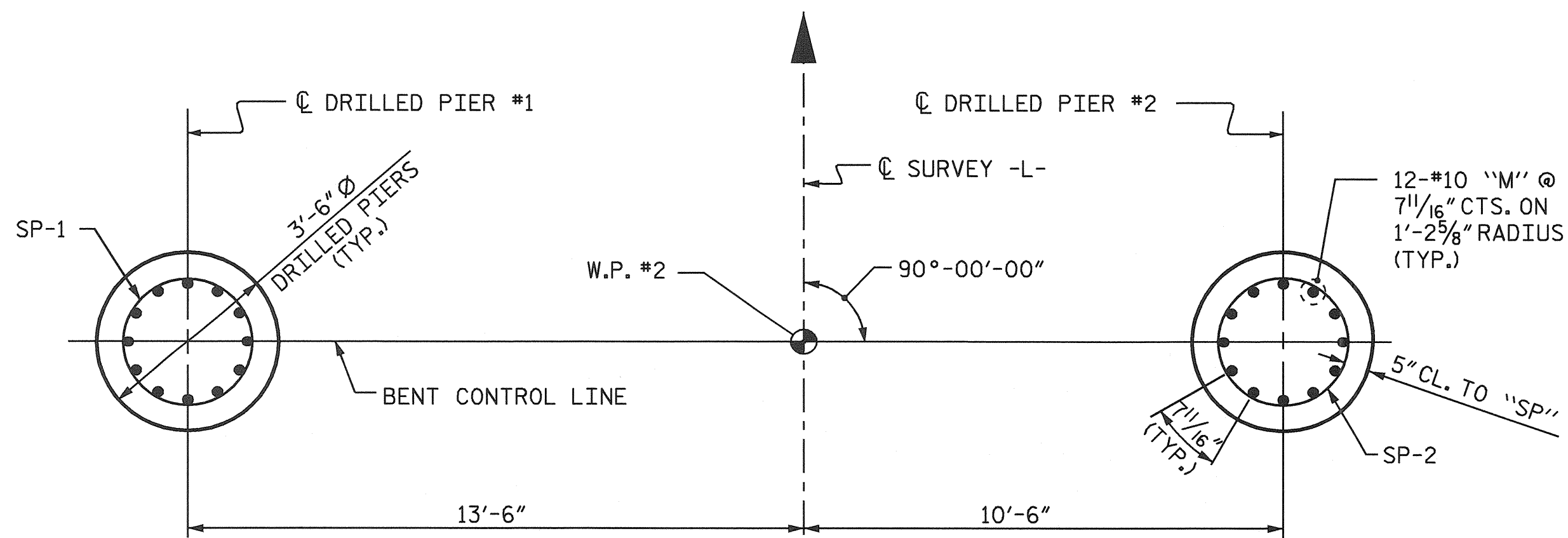


PLAN

ELEVATION

LATERAL GUIDE REINFORCING DETAIL

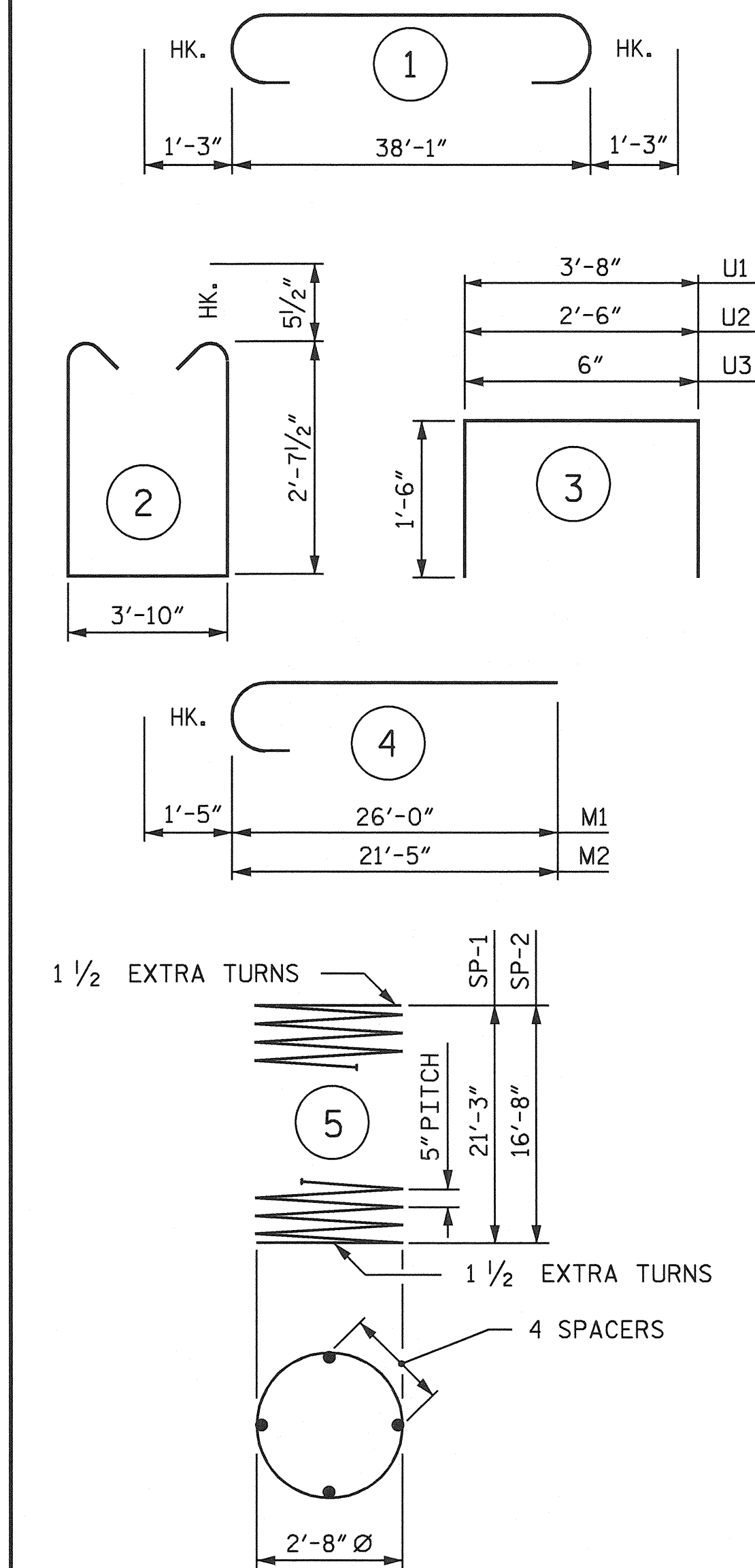
(EACH END SIMILAR)



PLAN OF DRILLED PIERS

(DIMENSION & REINFORCING STEEL ARE TYPICAL FOR EACH DRILLED PIER)

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

BENT 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#9	1	40'-7"	828
B2	6	#11	STR	38'-3"	1219
B3	4	#5	STR	38'-3"	160
B4	4	#4	STR	3'-10"	10
D1	48	#6	STR	1'-6"	108
M1	12	#10	4	27'-5"	1416
M2	12	#10	4	22'-10"	1179
S1	39	#5	2	10'-0"	407
U1	6	#4	3	6'-8"	27
U2	6	#4	3	5'-6"	22
U3	8	#4	3	3'-6"	19

REINFORCING STEEL					LBS.	5395
SP-1	1	**	5	444'-2"	463	
SP-2	1	**	5	353'-8"	369	
TOTAL SPIRAL COLUMN REINFORCING STEEL					LBS.	832

CLASS A CONCRETE BREAKDOWN			
POUR #2 (CAP)	CU. YD.	17.9	
POUR #3 (LATERAL GUIDE)	CU. YD.	0.2	
TOTAL CONCRETE	CU. YD.	18.1	

DRILLED PIER QUANTITIES

DRILLED PIER CONCRETE	
POUR #1 (DRILLED PIERS)	CU. YD. 13.7
3'-6" Ø DRILLED PIER IN SOIL	LIN. FT. 25.58
3'-6" Ø DRILLED PIER NOT IN SOIL	LIN. FT. 13.00
PERMANENT STEEL CASING FOR 3'-6" Ø DRILLED PIER	LIN. FT. 25.44
CROSSHOLE SONIC LOGGING	EA. 1
CSL TUBES	LIN. FT. 174.33

** THE "SP" SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.

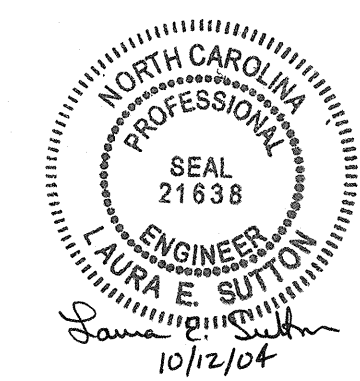
PROJECT NO. B-3530
WAKE COUNTY
 STATION: 15+83.00 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 BENT 1

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-13
1			3			TOTAL SHEETS
2			4			21



22-SEP-2004 11:51 W:\Squid.L\B3530\Walton\B3530_sd.B*_.01.dgn

DRAWN BY : J.L. WALTON DATE : 2/17/04
 CHECKED BY : B.N. BARODAWALA DATE : 3/15/04