

BILL OF MATERIAL

BENT No. 1

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	12	#10	1	34'-10"	1799
B2	6	#5	STR	32'-2"	201
B3	6	#4	STR	13'-4"	53
M1	24	#10	STR	22'-7"	2332
S1	54	#5	3	10'-4"	582
U1	42	#4	4	7'-8"	215
U2	4	#4	4	6'-9"	18
U3	4	#4	4	7'-3"	19
V1	24	#10	2	14'-4"	1480

REINFORCING STEEL 6,699 LBS.

SP-1	2	*	5	287'-11"	601
SP-2	2	**	6	387'-10"	518

SPIRAL COLUMN REINFORCING STEEL 1,119 LBS.

* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.

** THE SP-2 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.

CLASS A CONCRETE (C.Y.)

POUR #2 (COLUMN)	= 5.8
POUR #3 (CAP)	= 16.8
TOTAL	= 22.6

DRILLED PIERS:

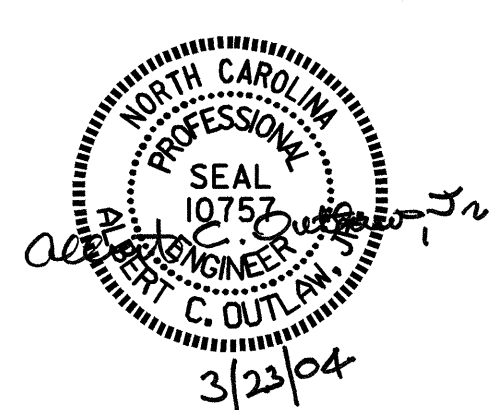
DRILLED PIER CONCRETE (C.Y.)	
POUR #1 (DRILLED PIER)	= 10.0
3'-6" Ø DRILLED PIER IN SOIL	= 10.0 LIN. FT.
3'-6" Ø DRILLED PIER NOT IN SOIL	= 18.0 LIN. FT.
CSL TUBES	= 132.0 LIN. FT.

PROJECT NO. B-3885
 ORANGE COUNTY
 STATION: 17+75.00 -L-
 SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 BENT No. 1

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-24
1			3			TOTAL SHEETS 33
2			4			



DRAWN BY: P.C. BREWER DATE: 12/8/03
 CHECKED BY: B.N. GRADY DATE: 12/03