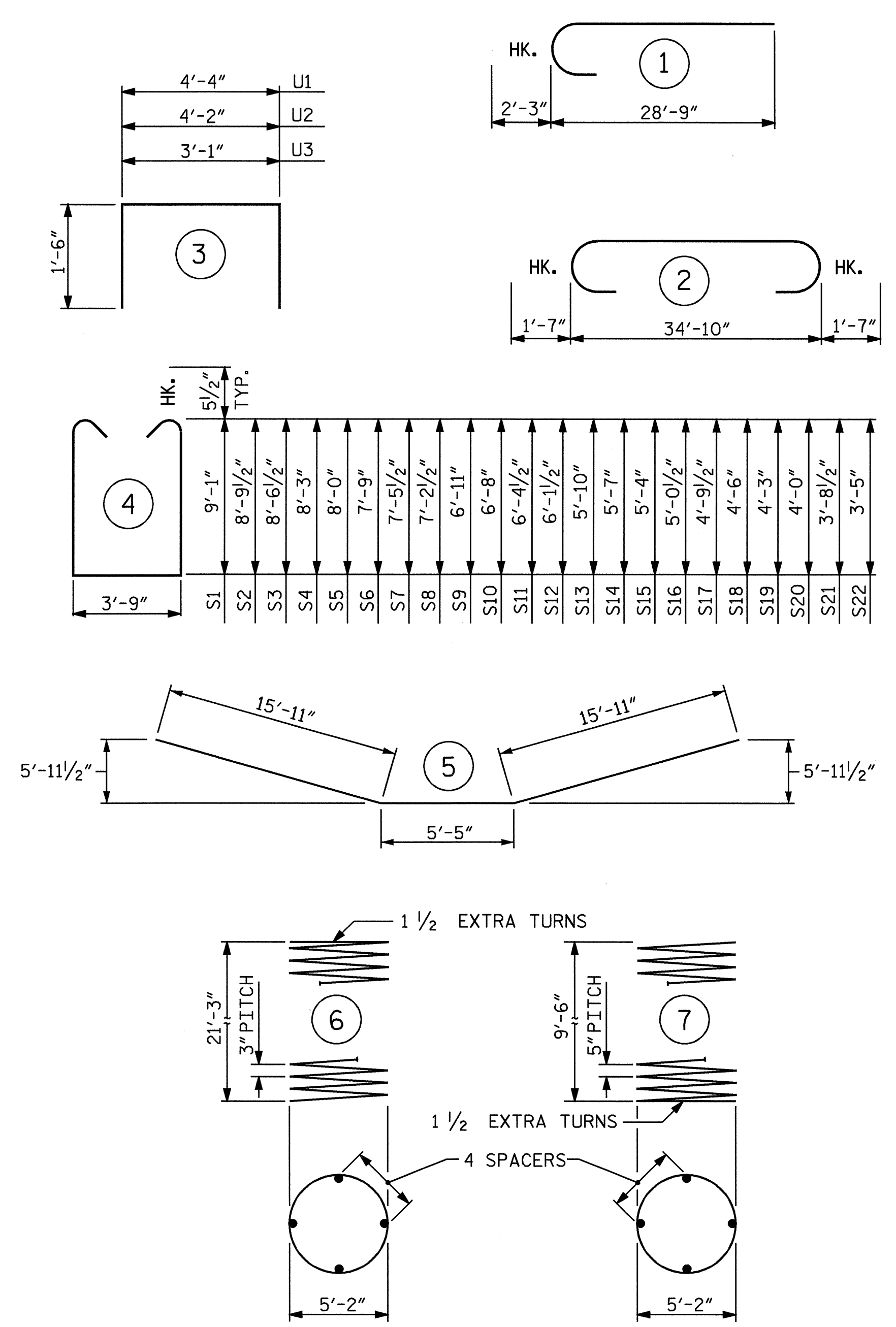


PLAN OF DRILLED PIER & COLUMN

14 PAIRS #14 V1
OR #14 M1 BARS
@ 1'-1/4" CTS. ON
2'-5/2" RADIUS

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE LONGITUDINAL REINFORCEMENT FOR THE DRILLED PIERS IS DETAILED WITH 3 FEET OF EXTRA LENGTH.

BENT #1

BAR NO	SIZE	TYPE	LENGTH	WEIGHT	
B1	16	11	2	38'-0"	3230
B2	8	7	STR	35'-0"	572
B3	2	7	STR	34'-0"	139
B4	2	7	STR	30'-8"	125
B5	2	7	STR	27'-4"	112
B6	2	7	STR	24'-1"	98
B7	2	7	STR	20'-9"	85
B8	2	7	STR	17'-5"	71
B9	2	7	STR	14'-1"	58
B10	2	7	STR	10'-9"	44
B11	2	7	STR	7'-6"	31
B12	8	11	5	37'-3"	1583
B13	9	4	STR	4'-4"	26
S1	4	5	4	22'-10"	95
S2	4	5	4	22'-3"	93
S3	4	5	4	21'-9"	91
S4	4	5	4	21'-2"	88
S5	4	5	4	20'-8"	86
S6	4	5	4	20'-2"	84
S7	4	5	4	19'-7"	82
S8	4	5	4	19'-1"	80
S9	4	5	4	18'-6"	77
S10	4	5	4	18'-0"	75
S11	4	5	4	17'-5"	73
S12	4	5	4	16'-11"	71
S13	4	5	4	16'-4"	68
S14	4	5	4	15'-10"	66
S15	4	5	4	15'-4"	64
S16	4	5	4	14'-9"	62
S17	4	5	4	14'-3"	59
S18	4	5	4	13'-8"	57
S19	4	5	4	13'-2"	55
S20	4	5	4	12'-8"	53
S21	4	5	4	12'-1"	50
S22	4	5	4	11'-6"	48
U1	24	4	3	7'-4"	118
U2	6	4	3	7'-2"	29
U3	10	4	3	6'-1"	41
M1	28	14	STR	22'-6"	4820
V1	28	14	1	31'-0"	6640

REINFORCING STEEL LBS. 19,399

SP-1	1	**	7	390'-7"	407
SP-2	1	*	6	1392'-11"	930

SPIRAL COLUMN REINFORCING STEEL LBS. 1,337

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

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

CLASS A CONCRETE BREAKDOWN		
POUR #2 (COLUMN)		18.5 C.Y.
POUR #3 (CAP)		43.8 C.Y.
TOTAL		62.3 C.Y.

DRILLED PIER QUANTITIES

DRILLED PIERS :	
DRILLED PIER CONCRETE	
POUR #1 (DRILLED PIERS)	10.5 C.Y.
6'-0" Ø DRILLED PIERS NOT IN SOIL	
9'-0" LIN. FT.	
6'-0" Ø DRILLED PIERS IN SOIL	
1'-0" LIN. FT.	
6'-0" Ø PERMANENT STEEL CASING	
2'-0" LIN. FT.	
CSL TUBES	75'-0"
CROSSHOLE SONIC LOGGING	1 EA.



PROJECT NO. B-4010
ASHE COUNTY
 STATION: 20+93.60 -L-
 SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE BENT #1					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

DRAWN BY : D. HODGE DATE : 4/04
 CHECKED BY : M.G. CHEEK DATE : 4/04

SHEET NO.
S-27
TOTAL SHEETS
37