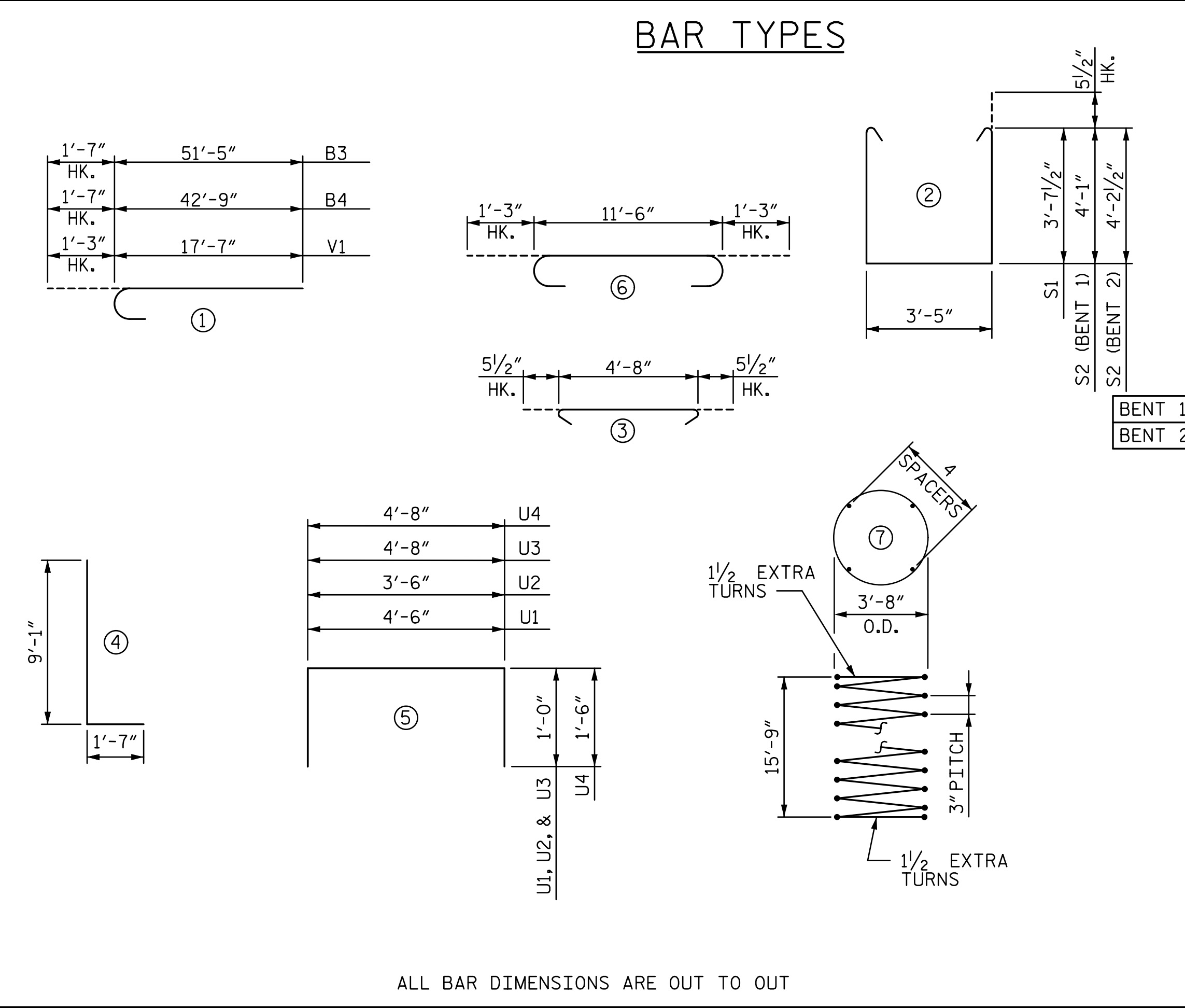


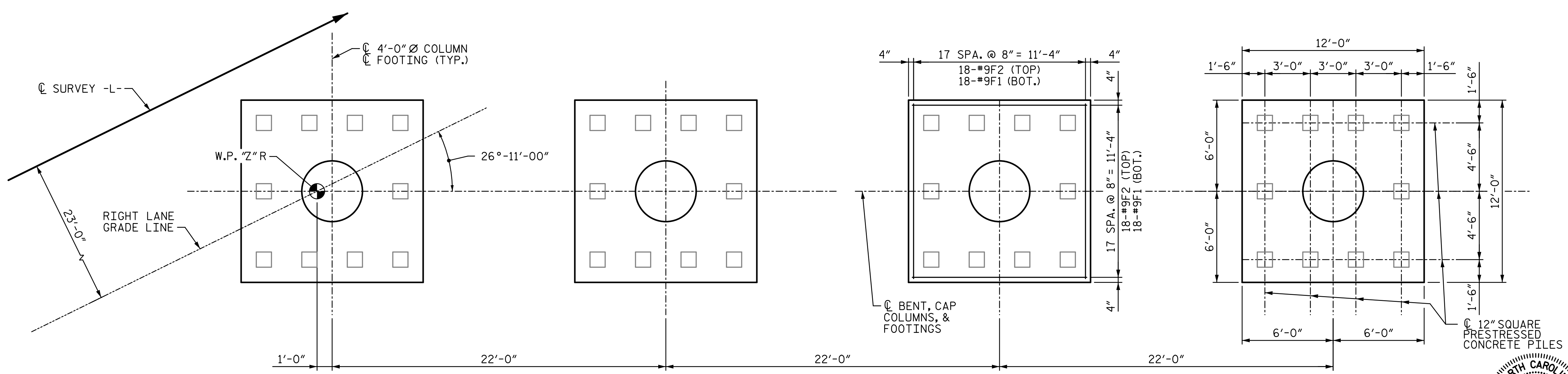
QUANTITIES			
		BENT 1	BENT 2
REINFORCING STEEL	LBS.	29,730	29,752
SPIRAL REINFORCING STEEL	LBS.	2,009	2,009
CLASS A CONCRETE :			
POUR 1 - FOOTINGS	CU. YDS.	85.4	85.4
POUR 2 - COLUMNS	CU. YDS.	28.9	28.9
POUR 3 - CAP	CU. YDS.	65.2	67.2
TOTAL	CU. YDS.	179.5	181.5
12" SQUARE PRESTRESSED CONCRETE PILES			
NUMBER	NO.	40	40
LENGTH	FT.	1,600	1,600
PILE REDRIVES	EA.	10	10



BILL OF MATERIAL FOR ONE BENT (2 REQUIRED)

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#11	STR.	34'-2"	1,452
B2	8	#11	STR.	56'-2"	1,537
B3	8	#11	(1)	53'-0"	2,253
B4	8	#11	(1)	44'-4"	1,884
B5	16	#4	STR.	18'-11"	202
B6	8	#4	STR.	4'-11"	26
B7	12	#5	STR.	41'-9"	523
B8	2	#5	STR.	32'-2"	67
S1	74	#5	(2)	11'-7"	894
S2	84	#5	(2)	12'-6"	1,095
S2	84	#5	(2)	12'-9"	1,117
S3	79	#5	(3)	5'-7"	454
F1	144	#9	(6)	14'-0"	6,854
F2	144	#9	STR.	11'-6"	5,630
U1	10	#4	(5)	6'-6"	43
U2	6	#4	(5)	5'-6"	22
U3	6	#4	(5)	6'-8"	27
U4	68	#4	(5)	7'-8"	348
M1	64	#9	(4)	10'-8"	2,321
V1	64	#9	(1)	18'-10"	4,098
SP-1	4	*	(7)	751'-10"	2,009

* THE SP-1 SPIRAL REINFORCING SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR WITH A 3" PITCH.



PLAN OF PILE FOOTINGS
PILE LAYOUT, REINFORCING STEEL, AND FOOTING
DIMENSIONS TYPICAL AT EACH FOOTING

PROJECT NO. **R-2514D**
JONES & CRAVEN COUNTY
 STATION: **526+71.12 -L-**
 = **16+08.07 -Y6-**
 SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
BENTS 1 & 2
DETAILS &
QUANTITIES
-RIGHT LANE-

DocuSigned by:
Adam J. Peter
 SEAL
 35695
 ENGINEER
ADAM J. PETER
 3/10/2015

3/6/2015 9:08:45 AM R:\Site 6\usta\Finals\Site 6 RL\412_029_R2514D_SMU_B203.dgn

DRAWN BY : ACA	DATE : 5-14	DESIGN ENGINEER OF RECORD: T. TOWNSEND	DATE : 6-14
CHECKED BY : TJT	DATE : 6-14		

STV / Ralph Whitehead Associates, Inc.
 900 West Trade Street, Suite 715
 Charlotte, NC 28202
 NC License Number F-0991

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

TOTAL SHEETS
38