

QUANTITIES			
			BENT 1
REINFORCING STEEL	LBS.		20,878
SPIRAL REINFORCING STEEL	LBS.		1,496
CLASS A CONCRETE :			
POUR 1 - FOOTINGS	CU. YDS.		80.0
POUR 2 - COLUMNS	CU. YDS.		19.2
POUR 3 - CAP	CU. YDS.		37.3
TOTAL	CU. YDS.		136.5
HP12x53 STEEL PILES			
NUMBER	NO.		48
LENGTH	FT.		4,048
PILE DRIVING EQUIP. SETUP FOR HP 12x53 STEEL PILES	EA.		48

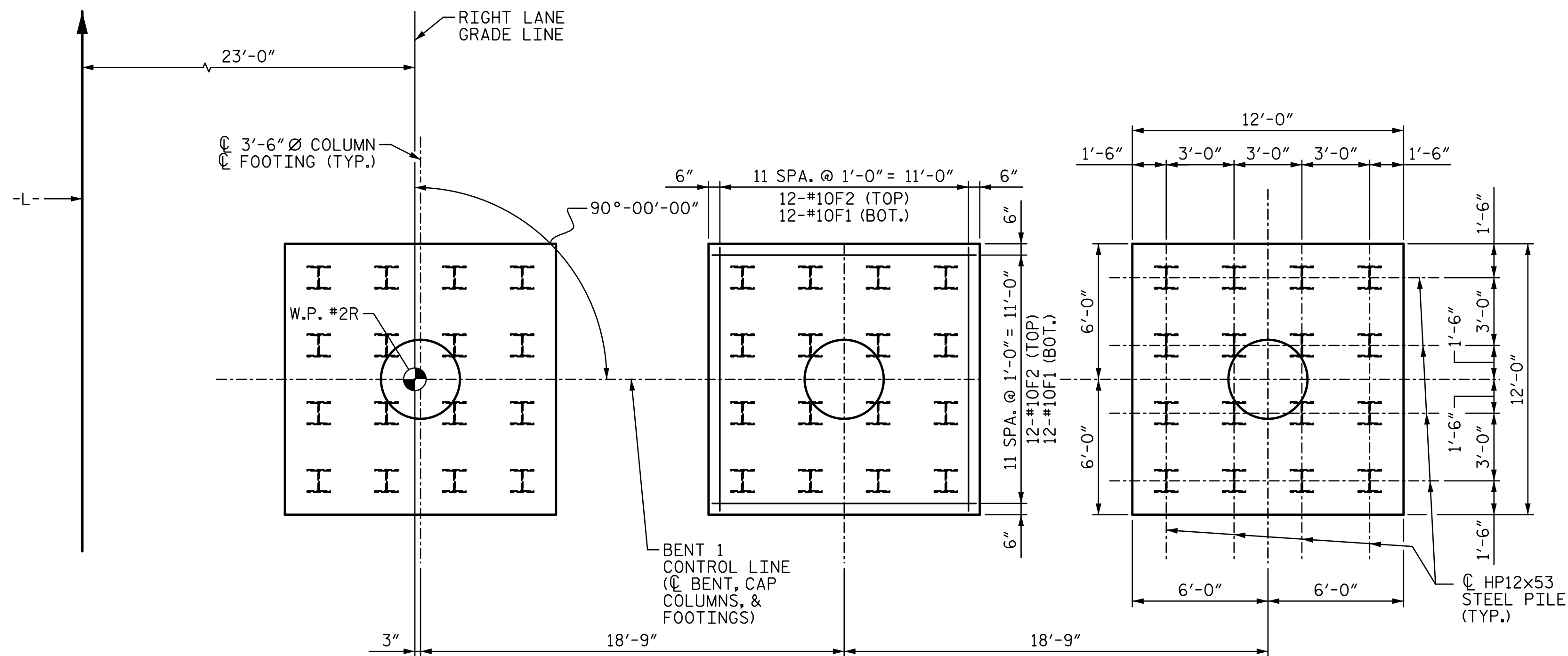
BAR TYPES

BILL OF MATERIAL FOR BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	12	#11	STR.	46'-8"	2,975
B2	6	#11	①	36'-8"	1,169
B3	6	#11	①	26'-9"	853
B4	12	#4	STR.	10'-2"	81
B5	6	#4	STR.	4'-2"	17
B6	2	#5	STR.	14'-7"	30
B7	6	#5	STR.	46'-8"	292
B8	3	#4	STR.	3'-8"	7
F1	72	#10	④	14'-4"	4,441
F2	72	#10	STR.	11'-6"	3,563
M1	36	#10	③	13'-4"	2,065
S1	62	#5	②	12'-4"	798
S2	66	#5	②	13'-2"	906
U1	11	#4	⑤	5'-6"	40
U2	4	#4	⑤	6'-6"	17
U3	4	#4	⑤	7'-3"	19
U4	53	#4	⑤	6'-8"	236
V1	36	#10	①	21'-9"	3,369
SP-1	3	*	⑥	746'-5"	1,496

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

ALL BAR DIMENSIONS ARE OUT TO OUT



PROJECT NO. R-2707C
CLEVELAND COUNTY
 STATION: 596+50.98 -L-
 SHEET 3 OF 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by:
Tony R. Laws, Jr.
 2/21/2017

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE

BENT 1

DETAILS & QUANTITIES

(SITE 6R)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S8-38
1			3			TOTAL SHEETS
2			4			44

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DRAWN BY : <u>ATH</u> DATE : <u>10-16</u>	DESIGN ENGINEER OF RECORD: <u>V. WU</u> DATE : <u>10-16</u>
CHECKED BY : <u>TJT</u> DATE : <u>10-16</u>	