

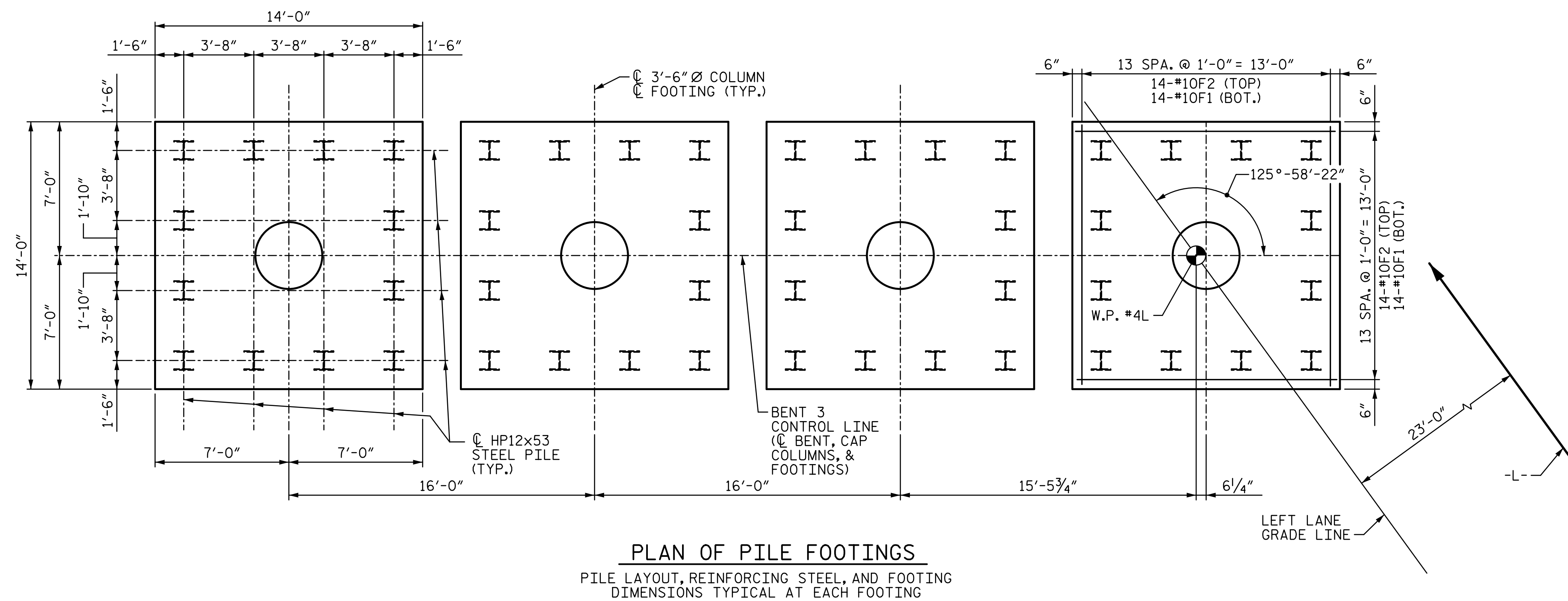
QUANTITIES			
		BENT 3	
REINFORCING STEEL	LBS.	31,180	
SPIRAL REINFORCING STEEL	LBS.	2,624	
CLASS A CONCRETE :			
POUR 1 - FOOTINGS	CU. YDS.	159.7	
POUR 2 - COLUMNS	CU. YDS.	34.2	
POUR 3 - CAP	CU. YDS.	37.8	
TOTAL	CU. YDS.	231.7	
HP12x53 STEEL PILES			
NUMBER	NO.	48	
LENGTH	FT.	2,208	
PILE DRIVING EQUIP. SETUP FOR HP 12x53 STEEL PILES	EA.	48	

BAR TYPES

ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL FOR BENT 3					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#11	STR.	56'-2"	2,387
B2	8	#11	①	41'-2"	1,750
B3	8	#11	①	31'-9"	1,350
B4	16	#4	STR.	12'-10"	137
B5	8	#4	STR.	4'-2"	22
B6	6	#5	STR.	56'-2"	351
B7	2	#5	STR.	19'-7"	41
B8	3	#4	STR.	3'-8"	7
F1	112	#10	④	16'-4"	7,872
F2	112	#10	STR.	13'-6"	6,506
M1	48	#10	③	13'-10"	2,857
S1	70	#5	②	10'-9"	785
S2	86	#5	②	11'-11"	1,069
U1	14	#4	⑤	5'-6"	51
U2	4	#4	⑤	6'-8"	18
U3	55	#4	⑤	6'-8"	245
V1	48	#10	①	27'-9"	5,732
SP-1	4	*	⑥	982'-1"	2,624

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



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

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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE

BENT 3

DETAILS & QUANTITIES

(SITE 6L)

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

SHEET NO. S7-50
TOTAL SHEETS 56

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DRAWN BY: ATH DATE: 10-16 DESIGN ENGINEER OF RECORD: V. WU DATE: 10-16
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