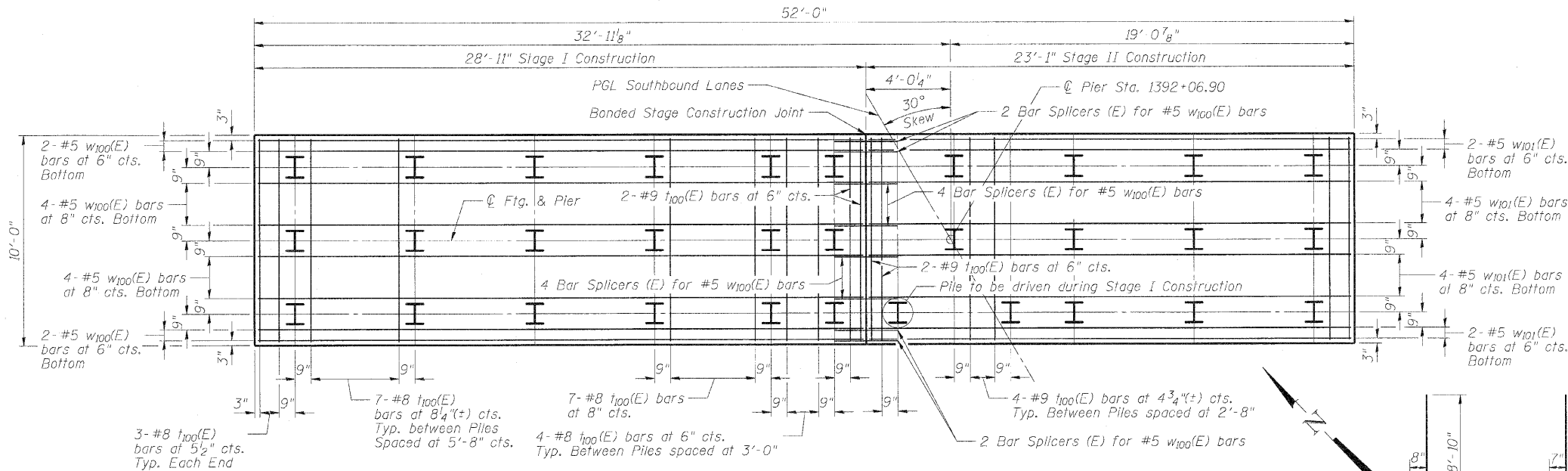
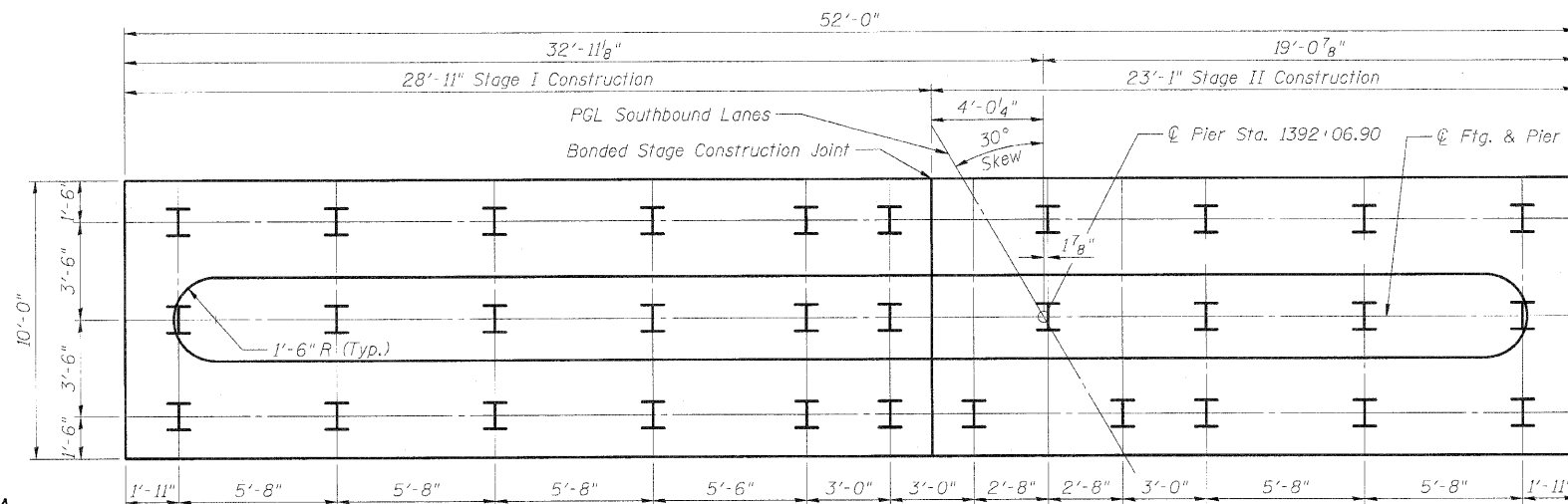


WALL REINFORCEMENT PLAN

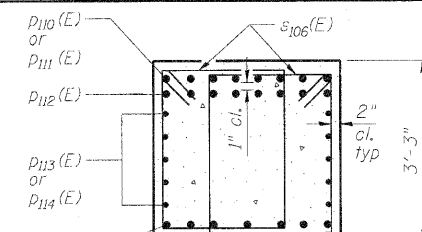
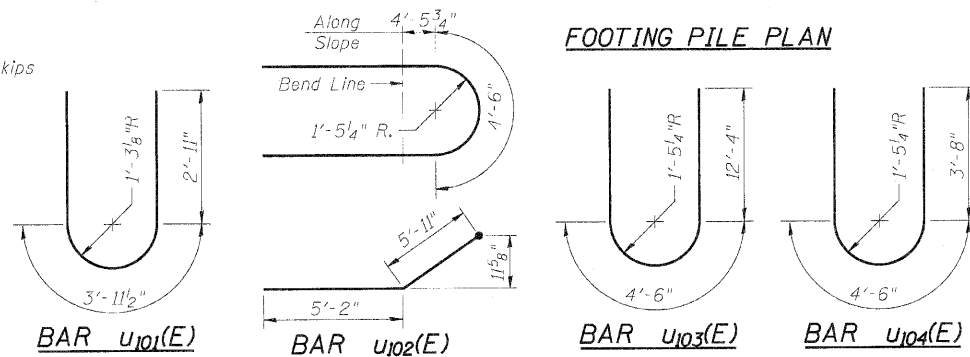


FOOTING REINFORCEMENT PLAN

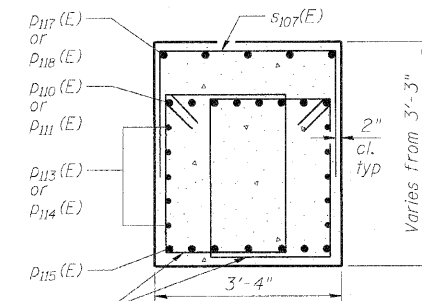


PILE DATA

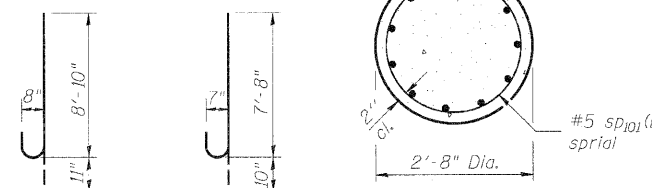
Type: HP 12x53
Nominal Required Bearing: 420 kips
Allowable Resistance Available: 140 kips
Est. Length: 37'
No. Production Piles: 30
No. Test Piles: 1



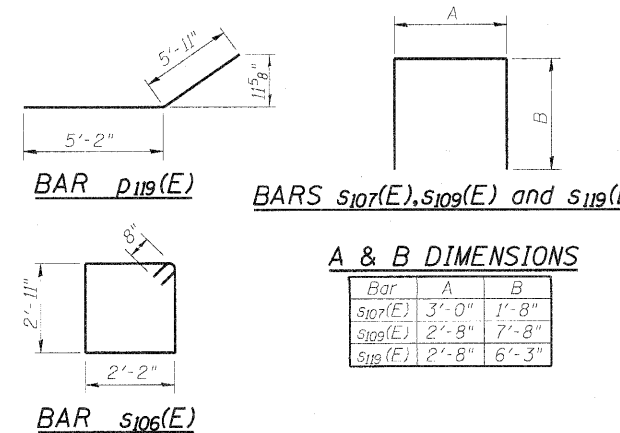
SECTION A-A



SECTION B-B



SECTION C-C



A & B DIMENSIONS

Bar	A	B
s107(E)	3'-0"	1'-8"
s109(E)	2'-8"	7'-8"
s119(E)	2'-8"	6'-3"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h102(E)	11	#5	25'-6"	—
h103(E)	11	#5	19'-8"	—
h100(E)	55	#8	9'-9"	U
h101(E)	8	#7	8'-6"	U
p110(E)	8	#10	31'-11"	—
p111(E)	8	#10	26'-1"	—
p112(E)	16	#10	16'-10"	—
p113(E)	10	#5	30'-1"	—
p114(E)	10	#5	24'-3"	—
p115(E)	7	#7	25'-9"	—
p116(E)	7	#7	19'-11"	—
p117(E)	5	#5	6'-10"	—
p118(E)	5	#5	17'-11"	—
p119(E)	10	#7	11'-1"	—
s106(E)	184	#6	11'-6"	□
s107(E)	26	#4	6'-4"	—
s109(E)	50	#7	18'-0"	—
s110(E)	4	#6	11'-4"	—
s111(E)	4	#6	11'-2"	—
s112(E)	4	#6	11'-0"	—
s113(E)	4	#6	10'-11"	—
s114(E)	4	#6	10'-9"	—
s115(E)	4	#6	10'-7"	—
s116(E)	4	#6	10'-5"	—
s117(E)	4	#6	10'-3"	—
s118(E)	4	#6	10'-1"	—
s119(E)	50	#7	15'-2"	—
s120(E)	5	#5	11'-3"	—
t100(E)	68	#8	9'-9"	—
u101(E)	10	#5	9'-10"	—
u102(E)	2	#7	23'-10"	—
u103(E)	4	#10	29'-2"	—
u104(E)	10	#5	11'-10"	—
v104(E)	8	#7	6'-5"	—
v105(E)	55	#8	14'-1"	—
w100(E)	12	#5	28'-8"	—
w101(E)	12	#5	22'-10"	—
Structure Excavation	Cu. Yd.	176		
Concrete Structures	Cu. Yd.	138.2		
Reinforcement Bars, Epoxy Coated	Pound	21,080		
Furnishing Steel Piles, HP12x53	Foot	1110		
Driving Piles	Foot	1110		
Test Pile Steel, HP12x53	Each	1		

* Field cut bars as required to fit.
** Length is height of spiral.
For details of Bar Splicers, see Sheet 44 of 50.

SOUTHBOUND PIER

STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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JOB NO.
05R1532A
DATE
07/23/10

SHEET NO. 43
50 SHEETS

F.A.I.
RTE.
280

SECTION
81- (HB)R

COUNTY
Rock Island

TOTAL SHEETS
503

SHEET NO.
176

CONTRACT NO. 64815
ILLINOIS FED. AID PROJECT