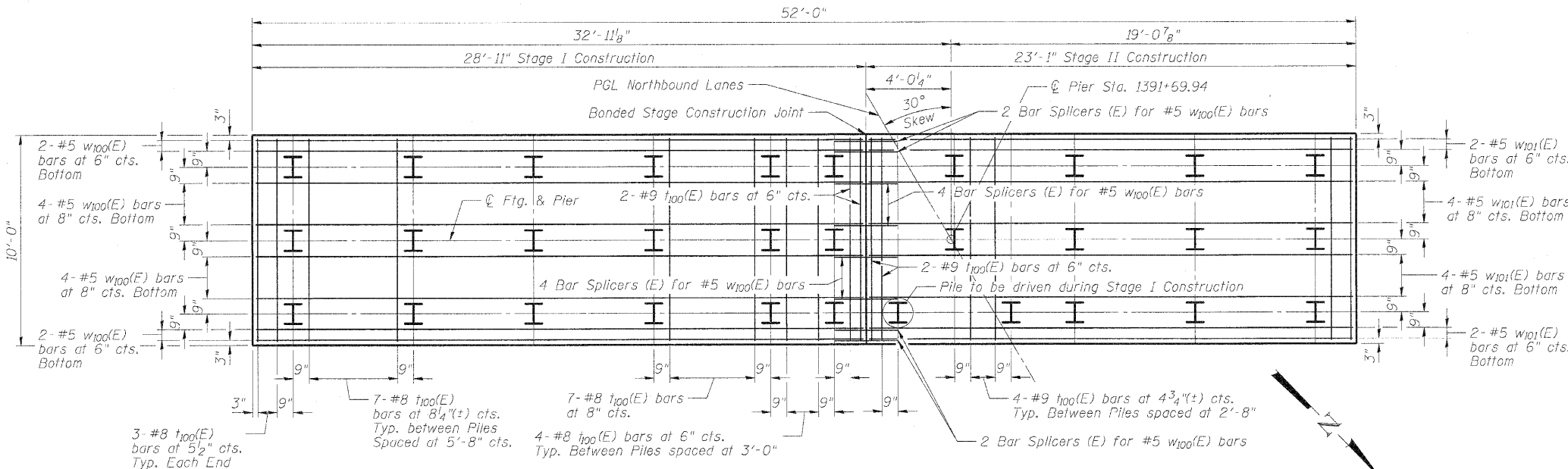
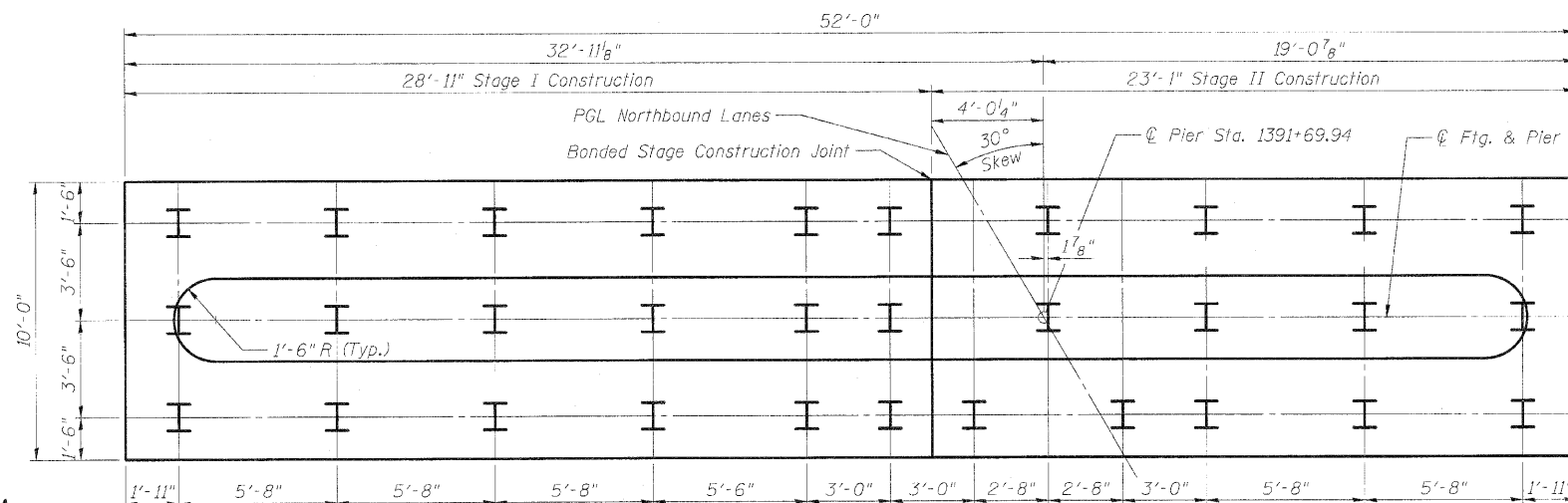


WALL REINFORCEMENT PLAN

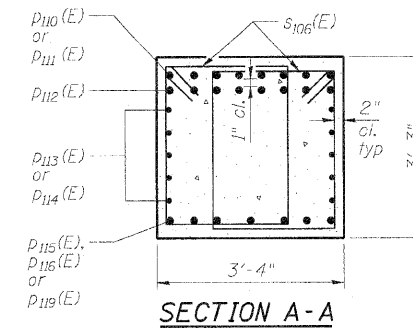
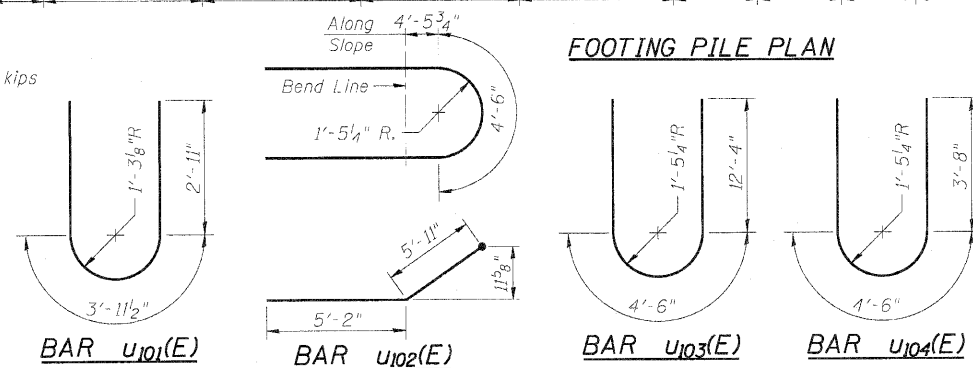


FOOTING REINFORCEMENT PLAN

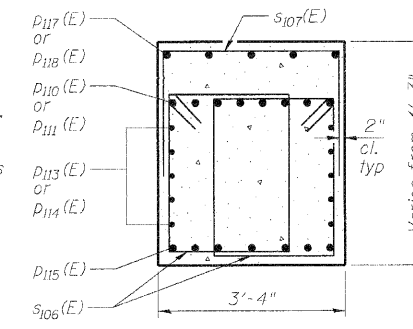


PILE DATA

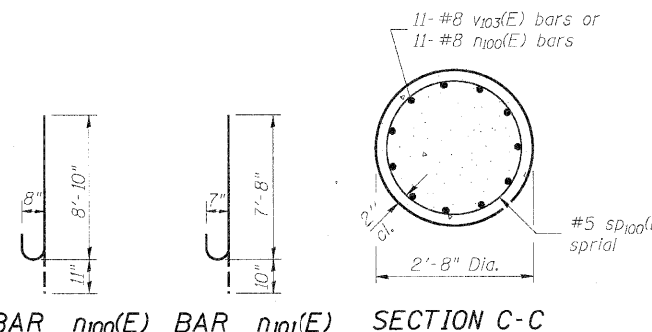
Type: HP 12x53
Nominal Required Bearing: 420 kips
Allowable Resistance Available: 140 kips
Est. Length: 36'
No. Production Piles: 30
No. Test Piles: 1



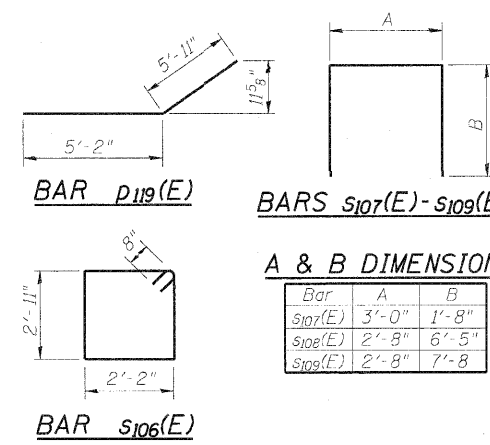
SECTION A-A



SECTION B-B



SECTION C-C



BARS S107(E) - S109(E)

A & B DIMENSIONS

Bar	A	B
S107(E)	3'-0"	1'-8"
S108(E)	2'-8"	6'-5"
S109(E)	2'-8"	7'-8"

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"	□
S108(E)	50	#7	15'-6"	□
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)	5	#5	10'-11"	—
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"	—
V103(E)	55	#8	13'-8"	—
V104(E)	8	#7	6'-5"	—
W100(E)	12	#5	28'-8"	—
W101(E)	12	#5	22'-10"	—
Structure Excavation	Cu. Yd.	177		
Concrete Structures	Cu. Yd.	138.6		
Reinforcement Bars, Epoxy Coated	Pound	21,010		
Furnishing Steel Piles, HP12x53	Foot	1080		
Driving Piles	Foot	1080		
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.

NORTHBOUND PIER

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

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

© Copyright Hanson Professional Services Inc. 2010



JOB NO.
05R1532A
SHEET NO. 41
50 SHEETS
DATE
07/23/10

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1(HB)R	Rock Island	503	174
			CONTRACT NO. 64815	
			ILLINOIS FED. AID PROJECT	