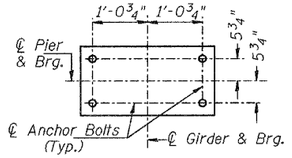
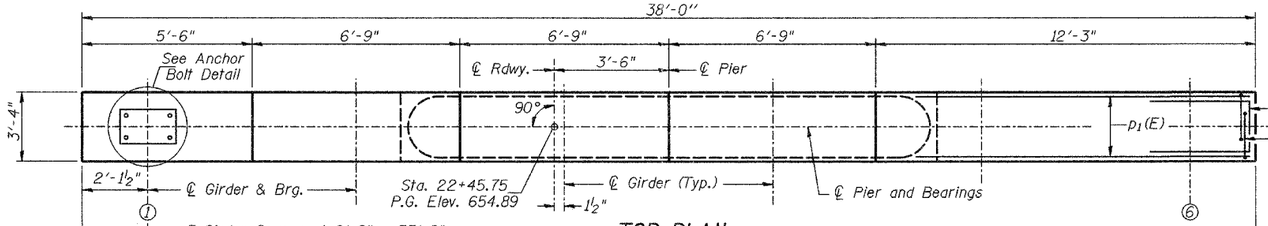
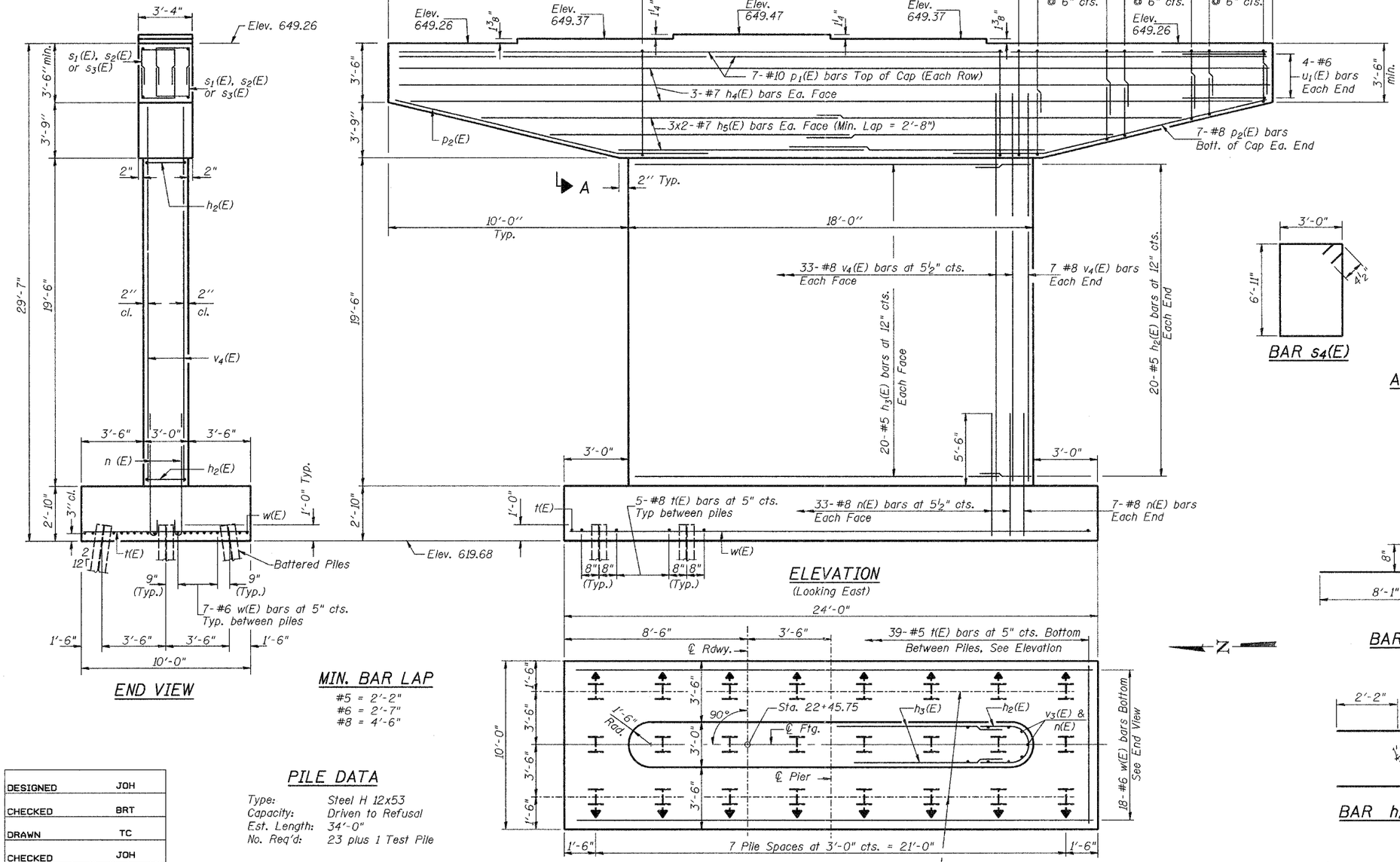
Notes: Space Reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.



ANCHOR BOLT DETAIL



TOP PLAN



ELEVATION
(Looking East)

END VIEW

FOOTING PLAN

♥ Indicates Batter Pile - 2"/1'-0"

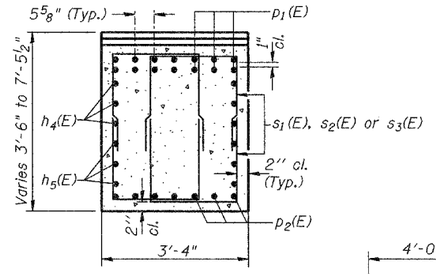
MIN. BAR LAP

#5 = 2'-2"
#6 = 2'-7"
#8 = 4'-6"

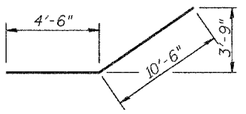
PILE DATA

Type: Steel H 12x53
Capacity: Driven to Refusal
Est. Length: 34'-0"
No. Req'd: 23 plus 1 Test Pile

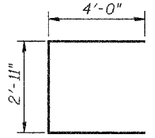
DESIGNED	JOH
CHECKED	BRT
DRAWN	TC
CHECKED	JOH



SECTION A-A

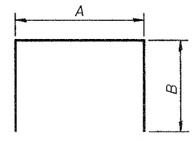


BAR p_2(E)



BAR u_1(E)

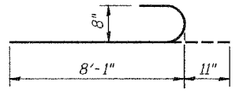
BAR s_4(E)



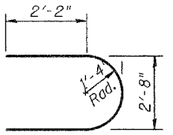
BAR s_1(E), s_2(E) & s_3(E)

A & B DIMENSIONS

Bar	A	B
s_1(E)	2'-1"	3'-1"
s_2(E)	2'-1"	3'-9"
s_3(E)	2'-1"	4'-6"



BAR n (E)



BAR h_2(E)

PIER 2
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h_2(E)	40	#5	8'-6"	
h_3(E)	40	#5	15'-0"	
h_4(E)	6	#7	37'-6"	
h_5(E)	12	#7	17'-0"	
n (E)	80	#8	9'-0"	
p_1(E)	14	#10	37'-6"	
p_2(E)	14	#8	15'-0"	
s_1(E)	40	#5	8'-3"	
s_2(E)	64	#5	9'-7"	
s_3(E)	64	#5	11'-1"	
s_4(E)	17	#4	20'-7"	
t (E)	39	#8	9'-8"	
u_1(E)	8	#6	10'-11"	
v_4(E)	80	#8	24'-0"	
w (E)	18	#6	23'-8"	
Structure Excavation		Cu. Yd.	60	
Concrete Structures		Cu. Yd.	92.5	
Reinforcement Bars, Epoxy Coated		Pound	15,460	
Furnishing Steel Piles HP 12x53		Foot	782	
Driving Steel Piles		Foot	782	
Test Pile Steel HP 12x53		Each	1	

Reinforcement Bars designated (E) shall be epoxy coated.

Bars indicated thus 2x2-#5 etc. indicates 2 lines of bars with 2 lengths per line.

* 01-00590-00-BR (County)
CONTRACT NO. 87293

ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6145	*	LASALLE	168	101
FED. ROAD DIST. NO. 3	ILLINOIS	PROJECT		

SHEET NO. 21
41 SHEETS

PIER 2
FAU ROUTE 6145 OVER
BNSF RAILROAD
SECTION 01-00590-00-BR (COUNTY)
LASALLE COUNTY
STATION 21+75.75
STR. NO. 050-8023

HUTCHISON ENGINEERING, INC.
JACKSONVILLE & JOLIET, ILLINOIS
Date: 3 /10 /2006

2190b021