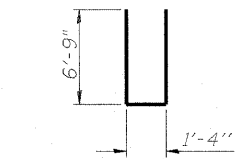
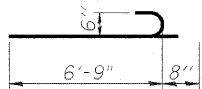


BAR h422(E)

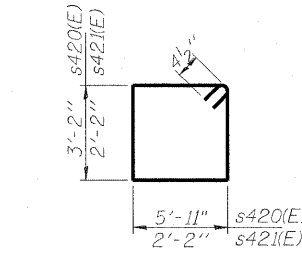
BAR h424(E)



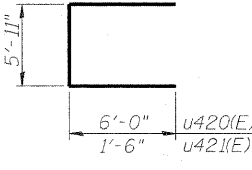
BAR n420(E)



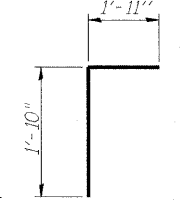
BAR n42(E)



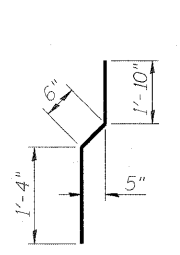
BARS s420(E) & s42(E)



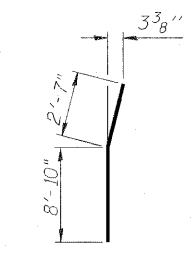
BAR u420(E) & u42(E)



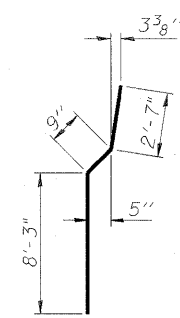
BAR v420(E)



BAR v42(E)



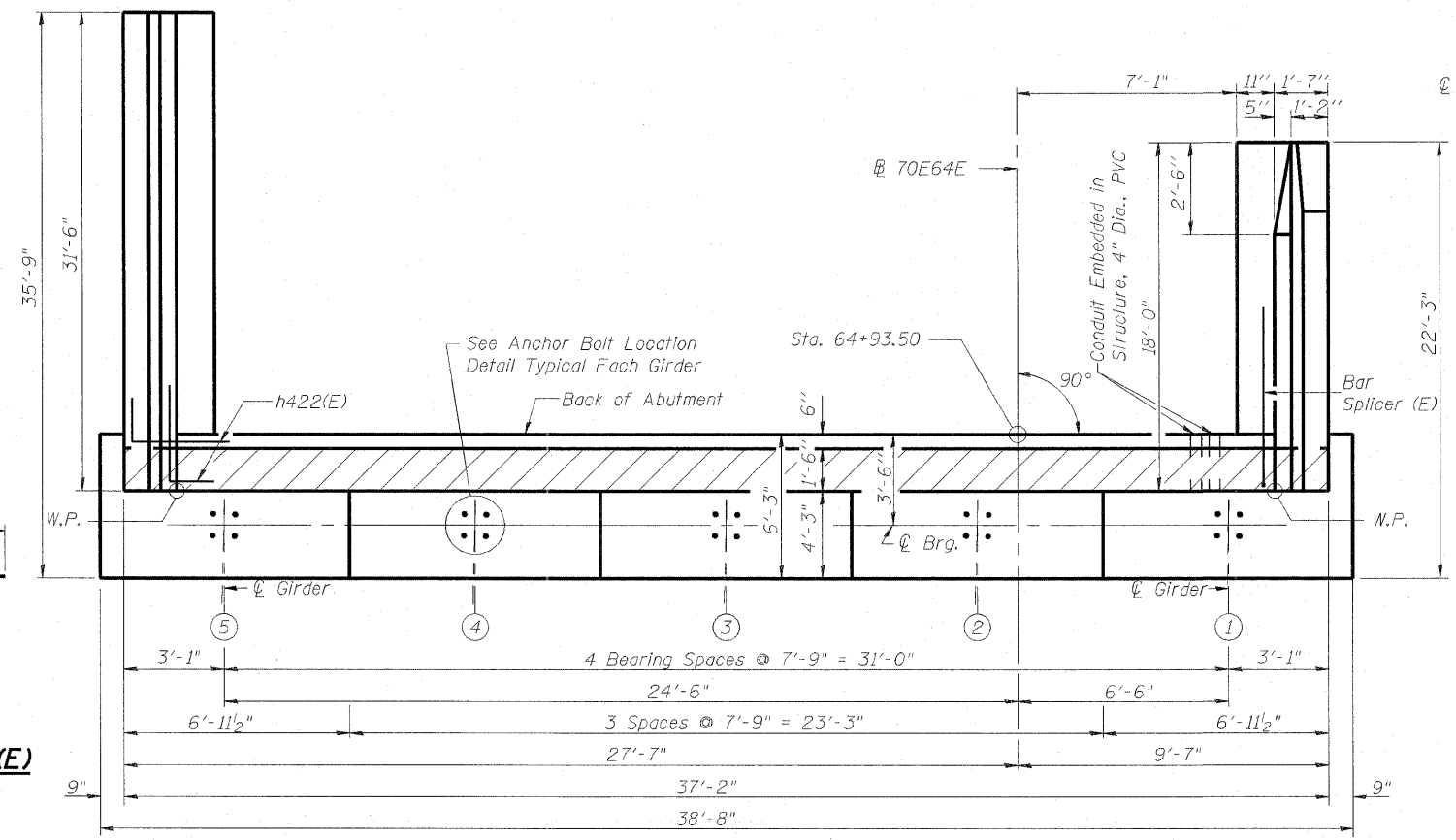
BAR v423(E)



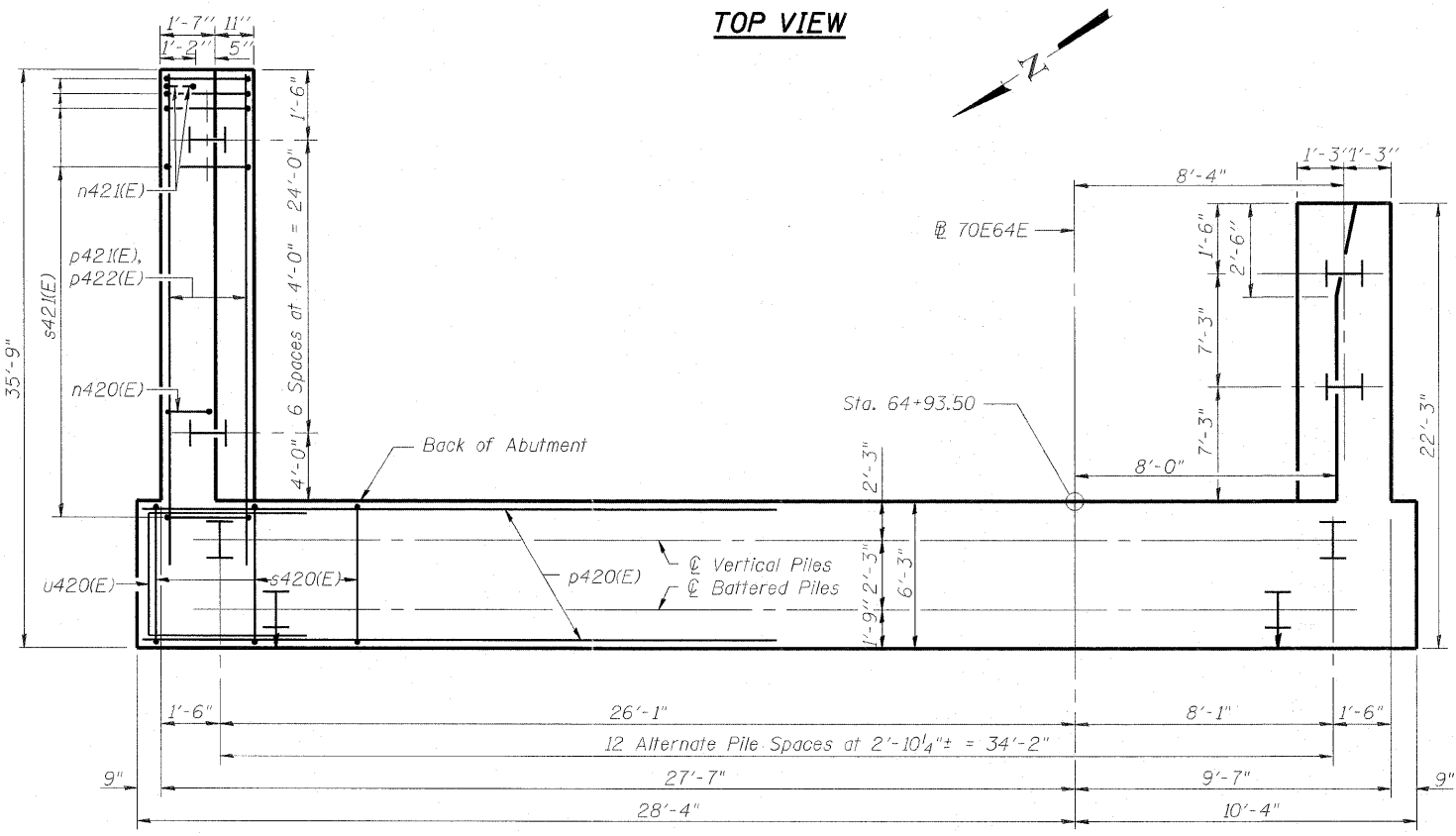
BAR v424(E)

PILE DATA

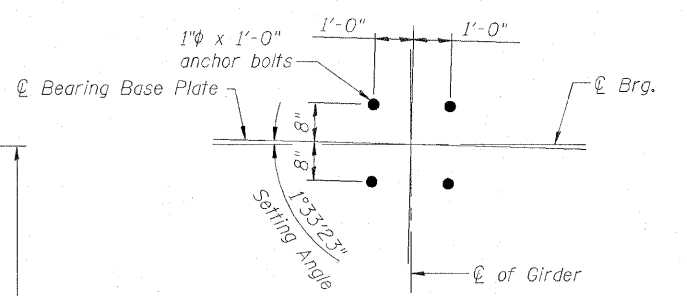
Type: HP 12x63
 Nominal Required Bearing: 400 kips
 Factored Resistance Available: 200 kips
 Est. Length: 101'
 No. Production Piles: 22
 No. Test Piles: 0



TOP VIEW



PLAN-PILE CAP



ANCHOR BOLT LOCATION DETAIL

ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h420(E)	14	#5	33'-8"	
h421(E)	5	#6	33'-8"	
h422(E)	36	#5	7'-6"	
h423(E)	17	#4	17'-8"	
h424(E)	11	#4	17'-9"	
h426(E)	28	#4	31'-2"	
n420(E)	48	#6	14'-10"	
n421(E)	6	#6	7'-5"	
p420(E)	18	#7	38'-4"	
p421(E)	6	#7	21'-0"	
p422(E)	6	#9	34'-6"	
p423(E)	8	#5	15'-1"	
s420(E)	38	#4	18'-11"	
s421(E)	62	#4	9'-5"	
u420(E)	8	#6	17'-11"	
u421(E)	15	#4	8'-11"	
v420(E)	34	#5	3'-9"	
v421(E)	34	#4	3'-8"	
v422(E)	51	#6	11'-4"	
v423(E)	3	#6	11'-5"	
v424(E)	48	#6	11'-7"	
v425(E)	34	#5	10'-6"	
v426(E)	34	#5	9'-1"	
Porous Granular Embankment, Special		Cu. Yd.	98.9	
Structure Excavation		Cu. Yd.	224.0	
Concrete Structures		Cu. Yd.	87.4	
Concrete Encasement		Cu. Yd.	7.7	
Reinforcement Bars, Epoxy Coated		Pound	9,410	
Bar Splicers		Each	35	
Slope Wall 4 Inch		Sq. Yd.	79.7	
Furnishing Steel Piles HP 12x63		Foot	2,222	
Driving Piles		Foot	2,222	
Pile Shoes		Each	22	
Concrete Sealer		Sq. Ft.	726	
Geocomposite Wall Drain		Sq. Yd.	38	
Pipe Underdrains for Structures 4"		Foot	57	
Conduit Embedded in Structure, 4" Dia., PVC		Foot	4	

For details of Bar Splicers, see sheet S-188 of S-234.
 For details of piles and Concrete Encasement, see sheet S-187 of S-234.



USER NAME =	DESIGNED - DDB	REVISED -
PLOT SCALE = 1/8" = 1'-0"	DRAWN - BRD	REVISED -
PLOT DATE = 6/27/2011	CHECKED - LLV	REVISED -
	DATE - 07-01-11	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ABUTMENTS - S.N. 082-0324 - E. ABUTMENT - PLANS
 I-70E OVER I-55, CSX & KCS RAILROADS

SCALE: SHEET S-145 OF S-234 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TO	82-1-B-2	ST. CLAIR	399	272
S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				