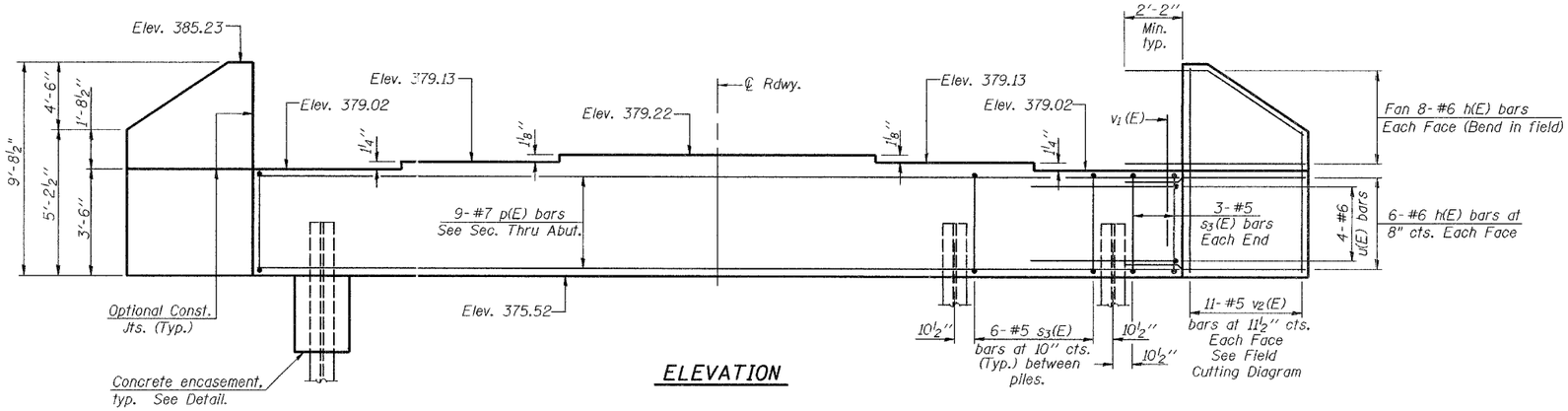
Note: Pour steps monolithically with cap.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

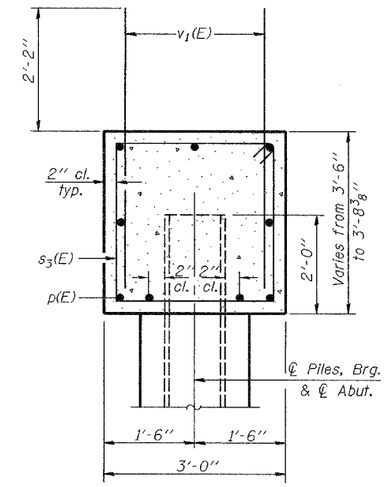
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 857	101BR-6	WHITE	100	37
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 18
27 SHEETS

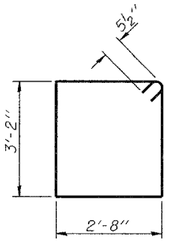
Contract #98960



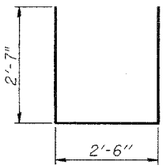
ELEVATION



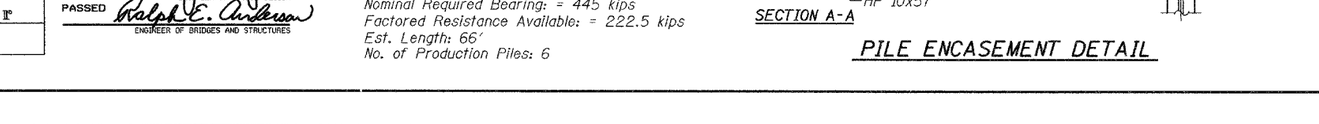
SEC. THRU ABUT.



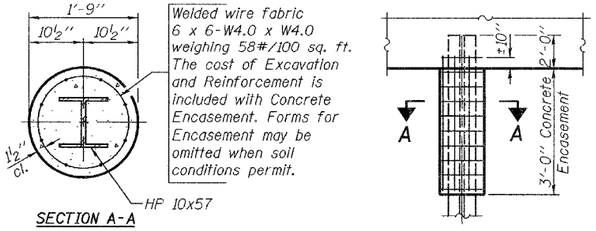
BAR s3(E)



BAR u(E)



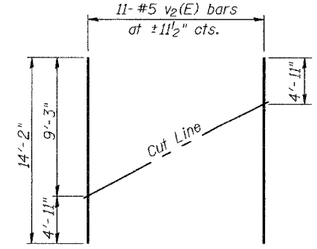
PLAN



PILE ENCASEMENT DETAIL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	56	#6	13'-2"	——
p(E)	9	#7	34'-10"	——
s3(E)	36	#5	12'-7"	□
u(E)	8	#6	7'-8"	⊐
v1(E)	67	#5	4'-4"	——
v2(E)	22	#5	14'-2"	——
Concrete Structures			Cu. Yd.	18.5
Reinforcement Bars, Epoxy Coated			Pound	2940
Furnishing Steel Piles HP10 x 57			Foot	396
Driving Piles			Foot	396
Structure Excavation			Cu. Yd.	37.0
Concrete Encasement			Cu. Yd.	1.5



FIELD CUTTING DIAGRAM

Order v2(E) bars full length. Cut as shown and use remainder of bars in opposite face.

DESIGNED	W. A. Beisner
CHECKED	Fesseha Teklehaimanot
DRAWN	R. Sommer
CHECKED	WAB/FT

December 4 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

PILE DATA

Pile Type: Steel HP 10 x 57
Nominal Required Bearing: = 445 kips
Factored Resistance Available: = 222.5 kips
Est. Length: 66'
No. of Production Piles: 6

EAST ABUTMENT
F.A.P. RT. 857 SEC. 101BR-6
WHITE COUNTY
STATION 171+58.50
STRUCTURE NO. 097-0071

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