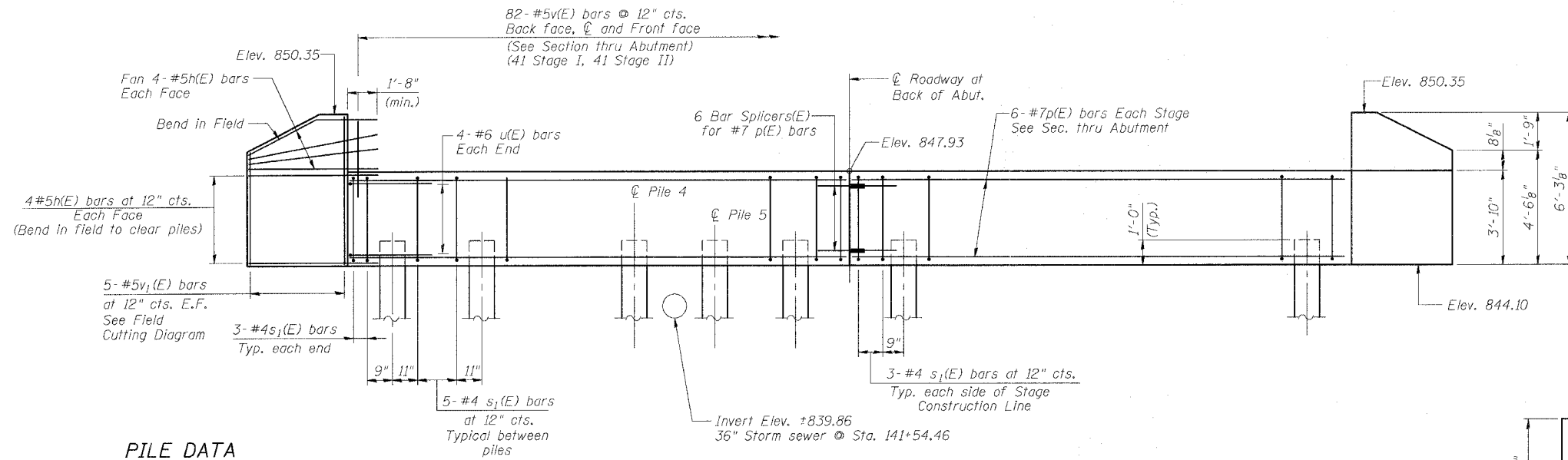


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 567 (IL 38)	34-XBR	DEKALB	90	40
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 9
14 SHEETS

Contract No. 64583



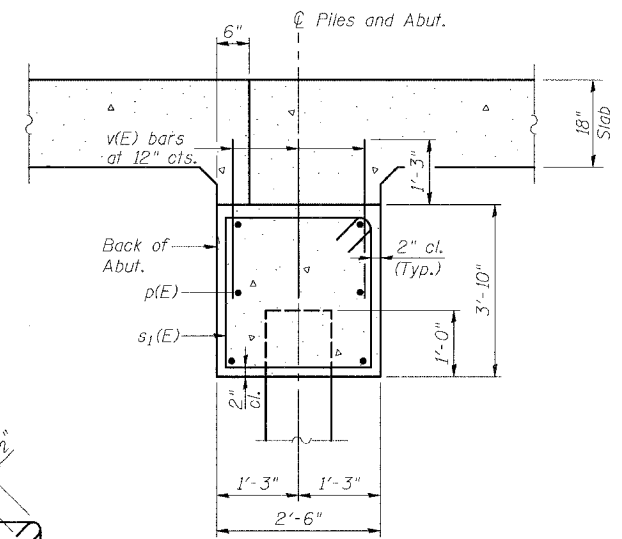
PILE DATA

Type and Size: Metal Shell - 14 in. dia. x 0.25 in. wall
Nominal Required Bearing: 192 kips
Allowable Resistance Available: 64 kips
Estimated Length: 20 feet

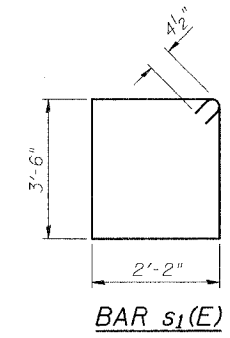
ELEVATION
(Looking East)

Note:
The Metal Shell piles shall be according to ASTM A 252 Grade 3.

Pile driving operations shall be completed after the removal of the existing 36" storm sewer and prior to placement of 36" storm sewer. For details and quantities of 36" storm sewer, see Roadway plans.



SECTION THRU ABUTMENT



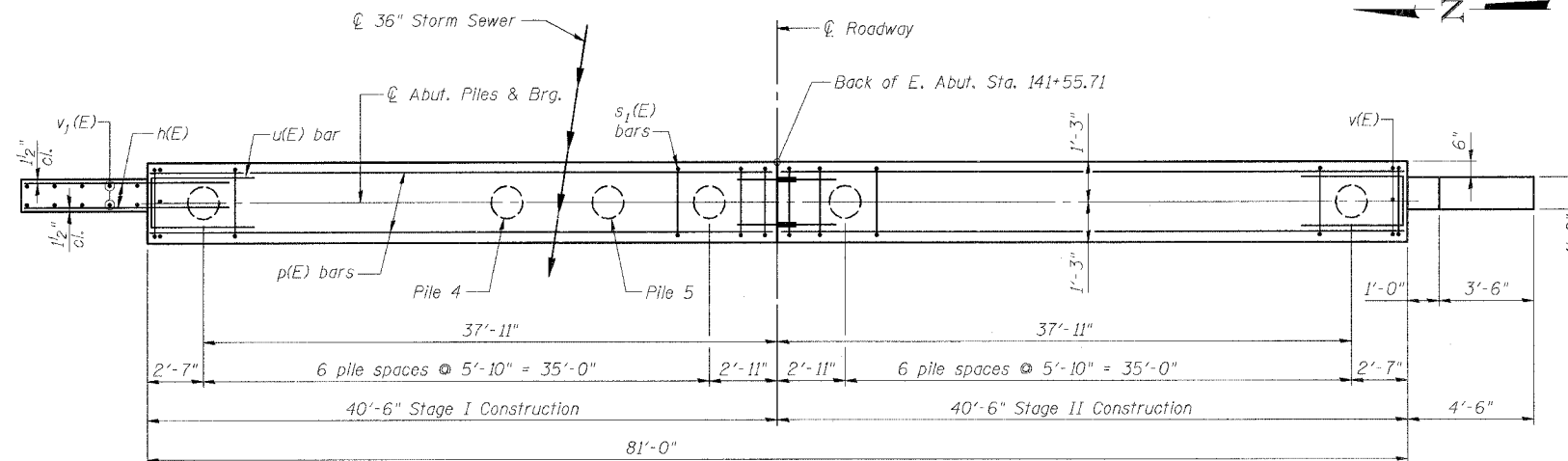
BAR s₁(E)

**BILL OF MATERIAL
EAST ABUTMENT**

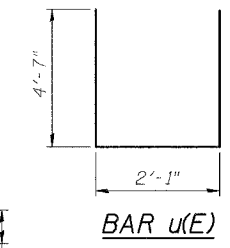
Bar	No.	Size	Length	Shape
h(E)	32	#5	6'-8"	—
p(E)	12	#7	40'-3"	—
s ₁ (E)	72	#4	12'-1"	□
u(E)	8	#6	11'-3"	—
v(E)	246	#5	3'-7"	—
v ₁ (E)	10	#5	10'-3"	—

Concrete Structures	Cu. Yd.	30.6
Reinforcement Bars, Epoxy Coated	Pound	2950
Furnishing Metal Shell Piles, 14"	Foot	280
Structure Excavation	Cu. Yd.	60
Driving Piles	Foot	280

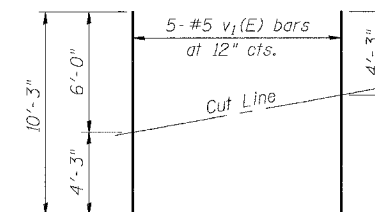
Reinforcement bars designated (E) shall be epoxy coated



PLAN



BAR u(E)



FIELD CUTTING DIAGRAM

Order v₁(E) bars full length. Cut as shown and use remainder of bars in opposite face.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT

F.A.U. ROUTE 567 (IL 38) OVER
SOUTH BRANCH OF THE KISHAWAKEE RIVER
DEKALB COUNTY - SEC. 34-XBR
STA. 140+96.71
S.N. 019-0044

SCALE: VERT. 1"=10'
HORIZ. 1"=40'
DATE: 7/6/05

DRAWN BY: LANDREY
DESIGNED BY: TRELLO
CHECKED BY: SANFORD

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
INCORPORATED IN ILLINOIS
1400 N. 11TH ST., SPRINGFIELD, ILLINOIS 62761
TEL: 217-223-1111 FAX: 217-223-1112

COMPUTER FILE NO.
SM019-0044:ABUT.E
PROJECT 05198
12/4/06-MML

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PLOT SCALE = 2.6667
PLOT DATE = 12/24/2006
PLOT TIME = 10:17:17 AM
OPERATOR = JMCHESTER