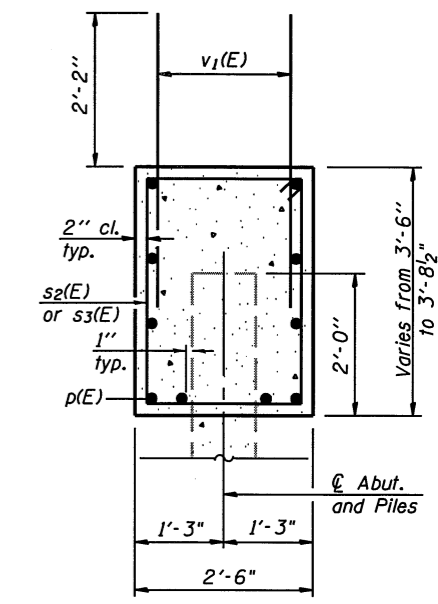
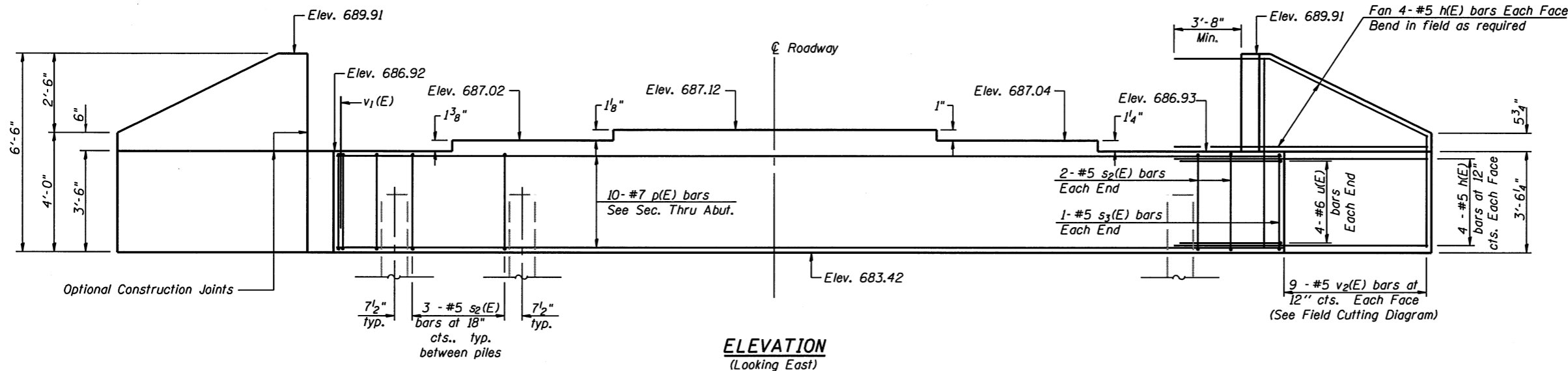
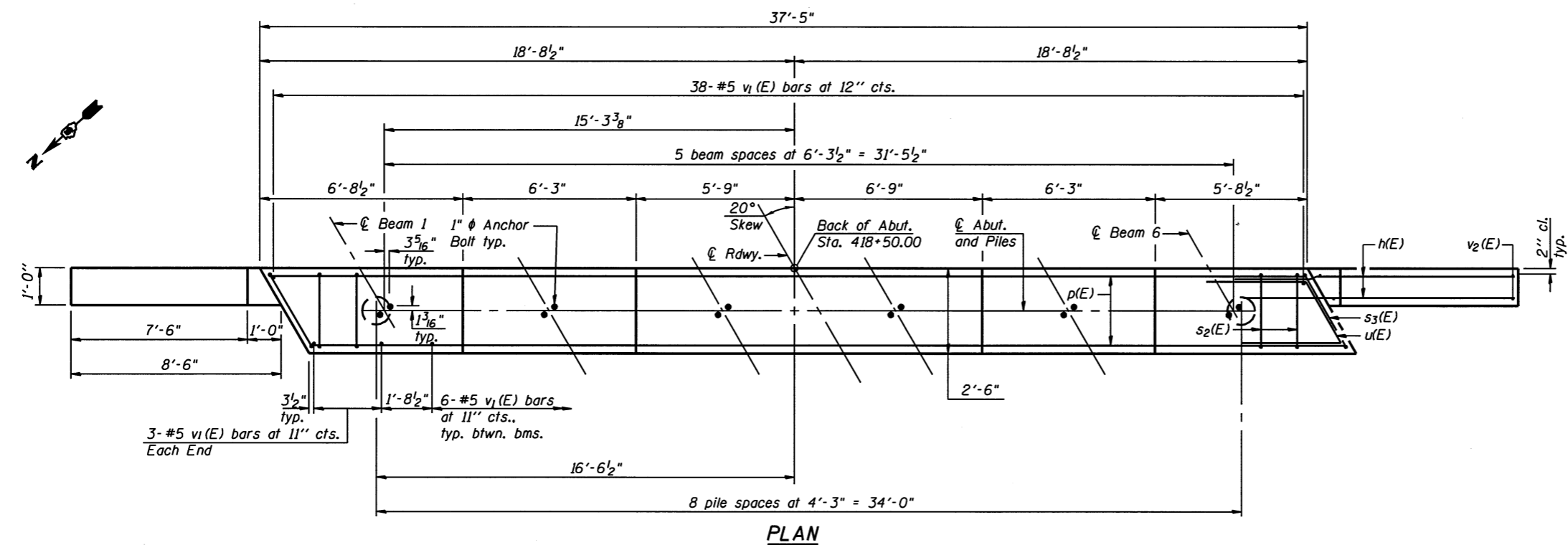


Notes:  
Pour steps monolithically with cap.

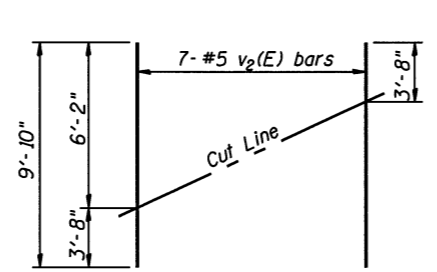


SEC. THRU ABUT.

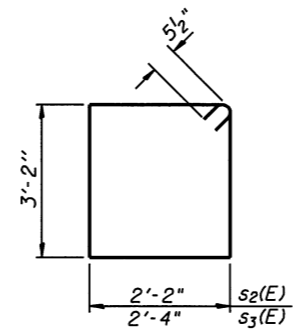


PLAN

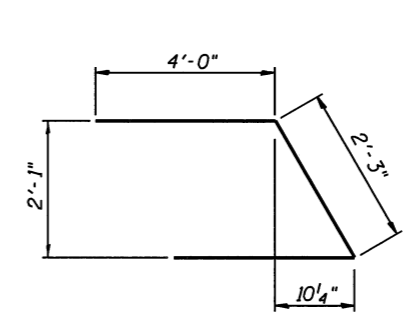
**PILE DATA**  
 Type: Metal Shell 12"  $\phi$  w/ 0.25" walls  
 Nominal Required Bearing: 240k  
 Factored Resistance Available: 133k  
 Est. Length: 16ft  
 No. Production Piles: 8  
 No. Test Piles: 1



FIELD CUTTING DIAGRAM



BARS s2(E) & s3(E)



BAR u(E)

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	32	#5	12'-5"	—
p(E)	10	#7	37'-0"	—
s2(E)	28	#5	11'-7"	□
s3(E)	2	#5	11'-11"	□
u(E)	8	#6	10'-3"	┌
v1(E)	74	#5	4'-4"	—
v2(E)	18	#5	9'-10"	—
Structure Excavation		Cu. Yd.	110	
Concrete Structures		Cu. Yd.	15.9	
Reinforcement Bars, Epoxy Coated		Pound	2,180	
Furnishing Metal Shell Piles 12" x 0.25"		Foot	128	
Driving Piles		Foot	128	
Test Pile Metal Shells		Each	1	

For details of Bar Splicers, see sheet 16 of 21.

BLANK, WESSELINK, COOK & ASSOCIATES DECATUR, ILLINOIS ENGINEERS - CONSULTANTS DESIGN FIRM NO. 184000894

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT DETAILS  
STRUCTURE NO. 023-0034

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	14BR	EDGAR	115	55
				CONTRACT NO. 70618

SHEET NO. 15 OF 21 SHEETS

ILLINOIS FED. AID PROJECT