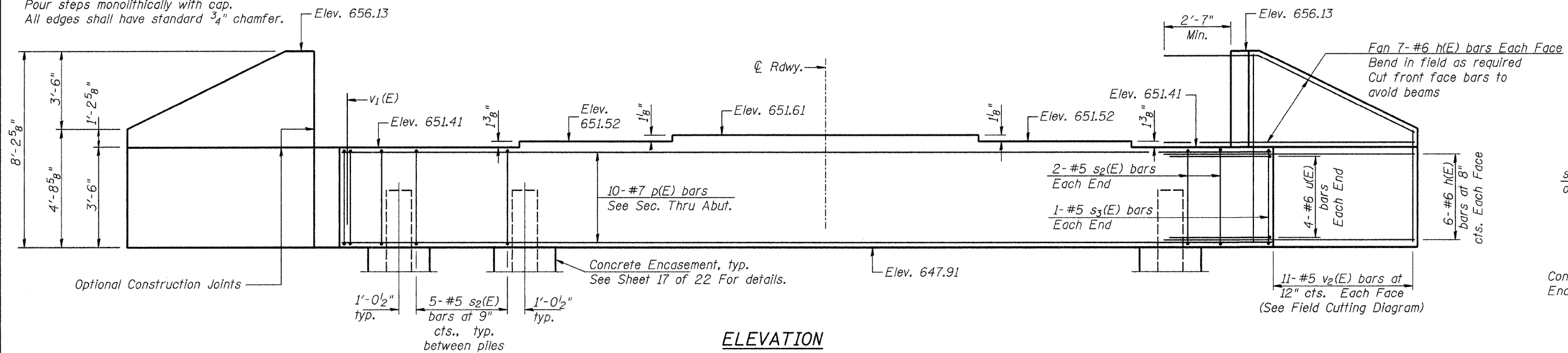
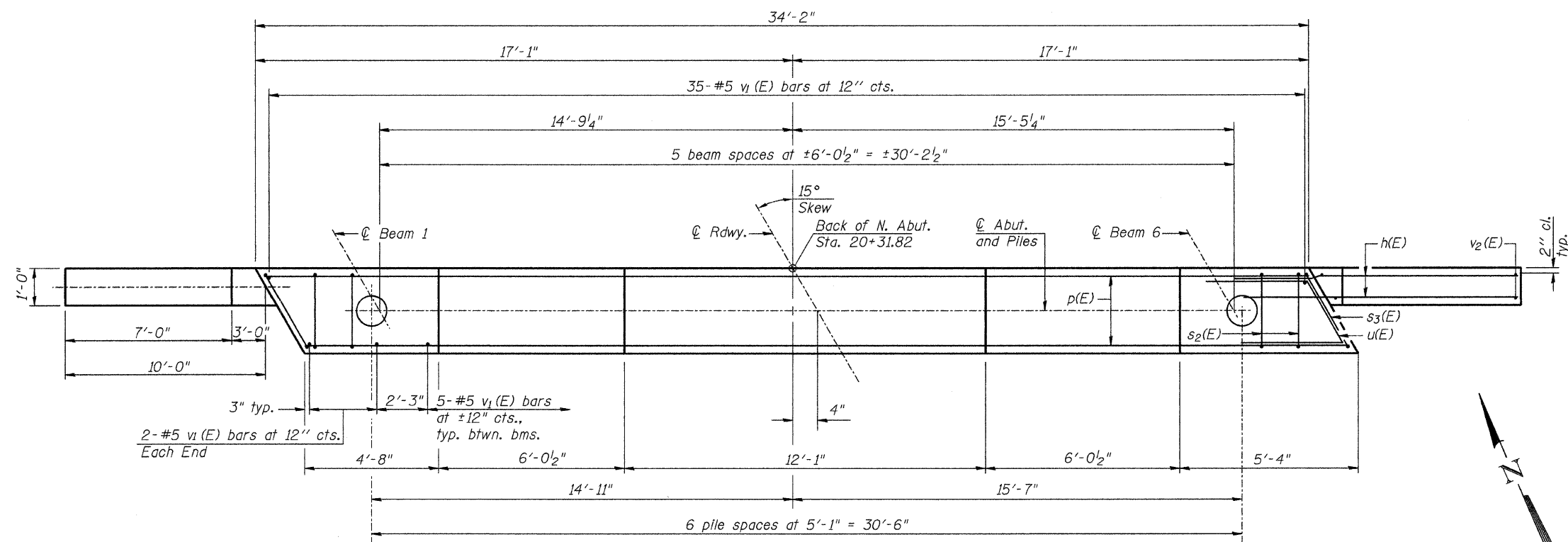


Notes:
 Pour steps monolithically with cap.
 All edges shall have standard 3/4" chamfer.



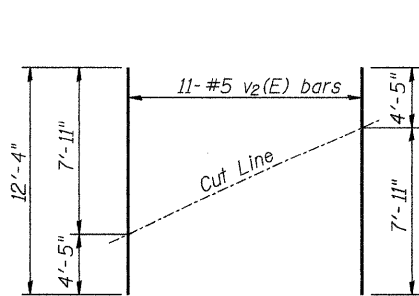
ELEVATION



PLAN

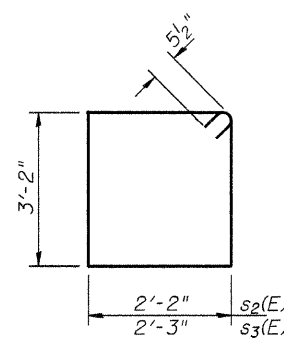
PILE DATA

Type: Metal Shells-12φx0.250" walls w/ pile shoes
 Nominal Required Bearing: 355k
 Factored Resistance Available: 178k
 Est. Length: 50'
 No. Production Piles: 6
 No. Test Piles: 1

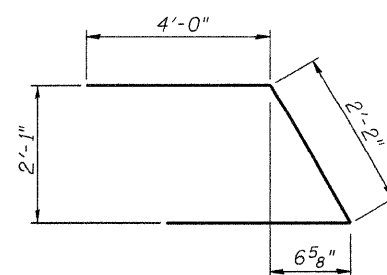


FIELD CUTTING DIAGRAM

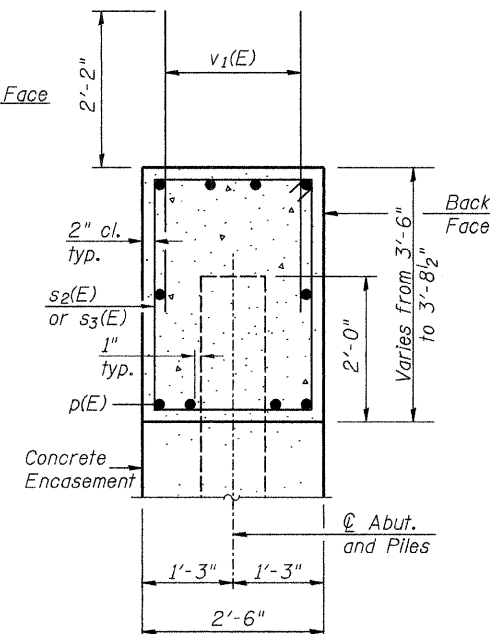
Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s2(E) & s3(E)



BAR u(E)



SEC. THRU ABUT.

(At Right Angles)

**NORTH ABUTMENT
 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	52	#6	12'-6"	—
p(E)	10	#7	33'-10"	—
s2(E)	34	#5	11'-7"	□
s3(E)	2	#5	11'-9"	□
u(E)	8	#6	10'-2"	□
v1(E)	64	#5	4'-4"	—
v2(E)	22	#5	12'-4"	—
Structure Excavation		Cu. Yd.	165	
Concrete Structures		Cu. Yd.	16.2	
① Reinforcement Bars, Epoxy Coated		Pound	2,800	
Furnishing Metal Shell Piles 12"x0.250"		Foot	300	
① Driving Piles		Foot	300	
① Test Pile Metal Shells		Each	1	
Pile Shoes		Each	7	
Concrete Encasement		Cu. Yd.	3.2	

For details of Piles and Concrete Encasement, see sheet 17 of 22.

NORTH ABUTMENT

SHEET NO. 15	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22 SHEETS	CH 25	09-00658-00-BR	LASALLE	39	22
SN 050-3598			CONTRACT NO. 87451		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT BRS-0271(103)		