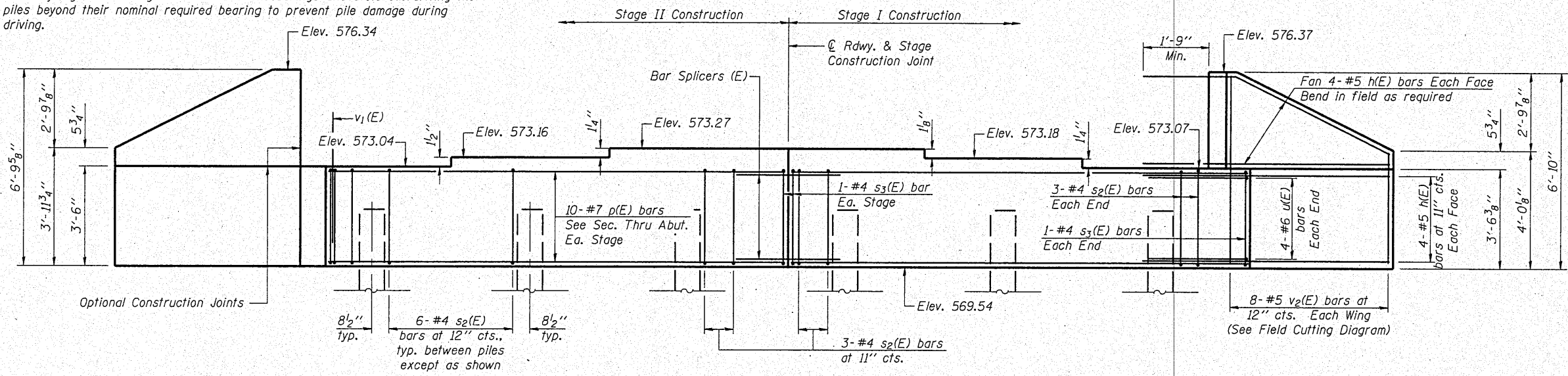
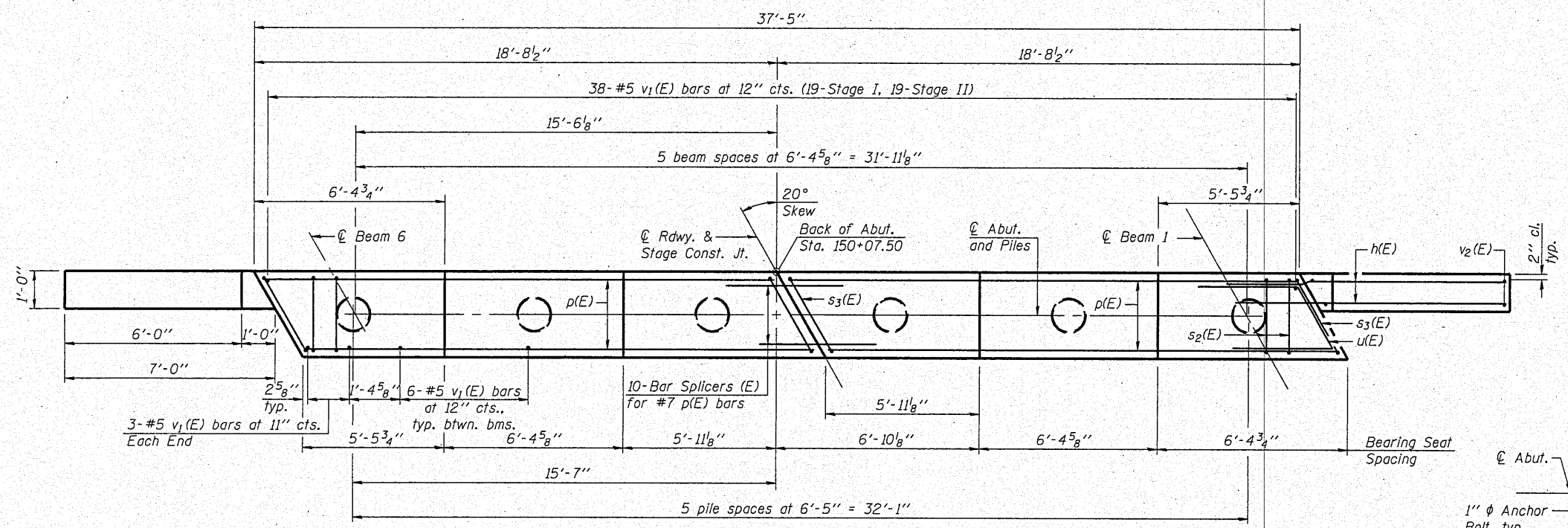


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Notes:
Pour steps monolithically with cap.
Space reinforcement to miss anchor bolts.
The Contractor shall limit the pile hammer size selected considering the relatively high soil strengths indicated in the borings and avoid overdriving the piles beyond their nominal required bearing to prevent pile damage during driving.



ELEVATION



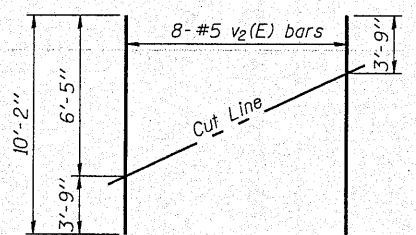
PLAN

PILE DATA

Type: Metal Shell-14 in. dia. x 0.312 in. walls with pile shoes
Nominal Required Bearing: 295 kips
Factored Resistance Available: 162 kips
Est. Length: 48 ft.
No. Production Piles: 5
No. Test Piles: 1

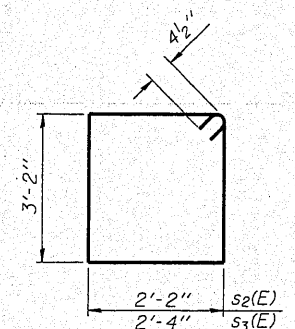


DESIGNED - BAS
CHECKED - KEF
DRAWN - SGM
CHECKED - BAS

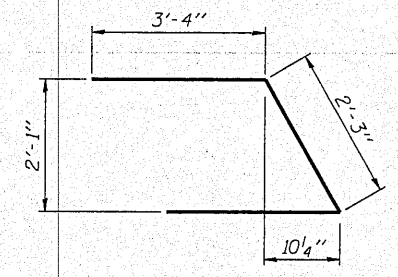


FIELD CUTTING DIAGRAM

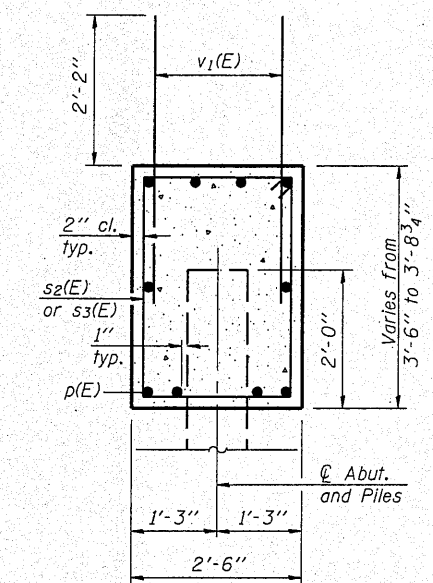
Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s2(E) & s3(E)



BAR u(E)



SEC. THRU ABUT.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	32	#5	9'-3"	
p(E)	20	#7	18'-4"	
s2(E)	36	#4	11'-5"	
s3(E)	4	#4	11'-9"	
u(E)	8	#6	8'-11"	
v1(E)	74	#5	4'-4"	
v2(E)	16	#5	10'-2"	
Structure Excavation		Cu. Yd.	89	
Concrete Structures		Cu. Yd.	14.9	
Reinforcement Bars, Epoxy Coated		Pound	1980	
Furnishing Metal Shell Piles, 14"x0.312"		Foot	240	
Driving Piles		Foot	240	
Test Pile, Metal Shells		Each	1	
Pile Shoes		Each	6	

For details of Bar Splicers, see sheet 18 of 22.
For details of piles, see sheet 17 of 22.

WEST ABUTMENT
STRUCTURE NO. 036-0070

SHEET NO. 14	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22 SHEETS	657	(116-C)BR-1	HENDERSON	56	31
CONTRACT NO. 68761					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					