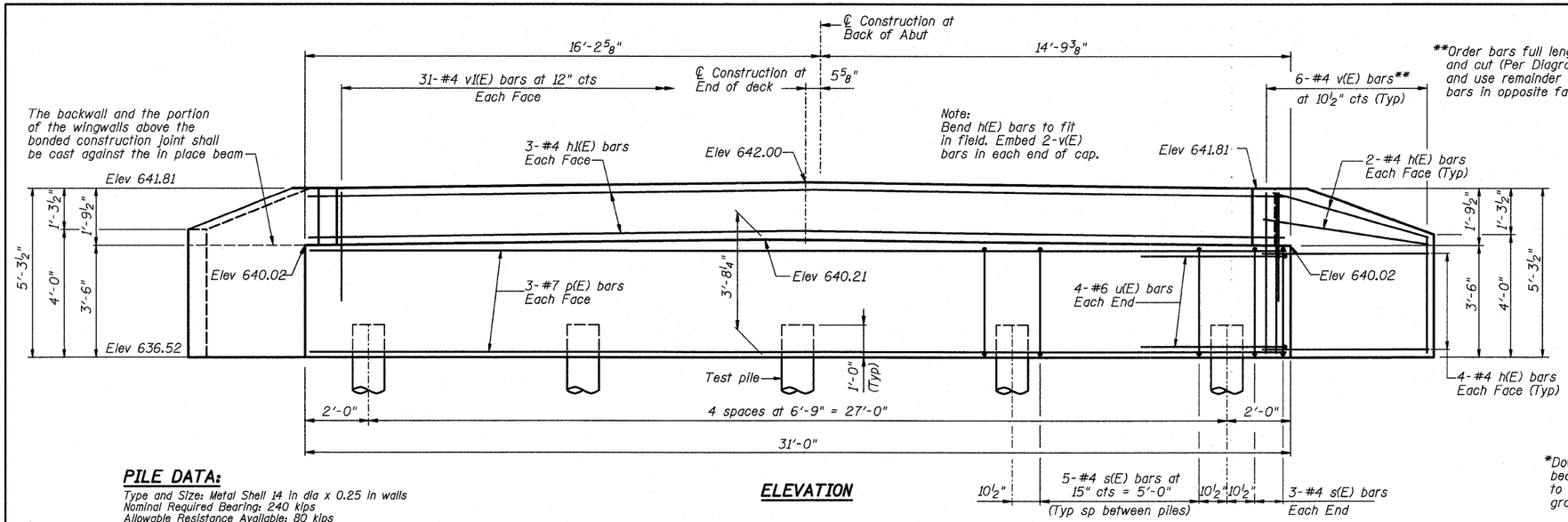
CONTRACT NO. 95543

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 23	*	MACON	22	10
FED.ROAD DIST.NO.		ILLINOIS	PROJECT	

Sheet No. 5 of 7 Sheets

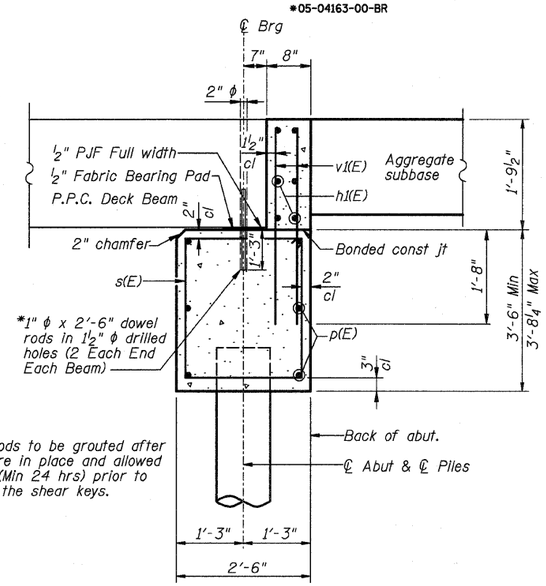
*05-04163-00-BR



ELEVATION

PILE DATA:

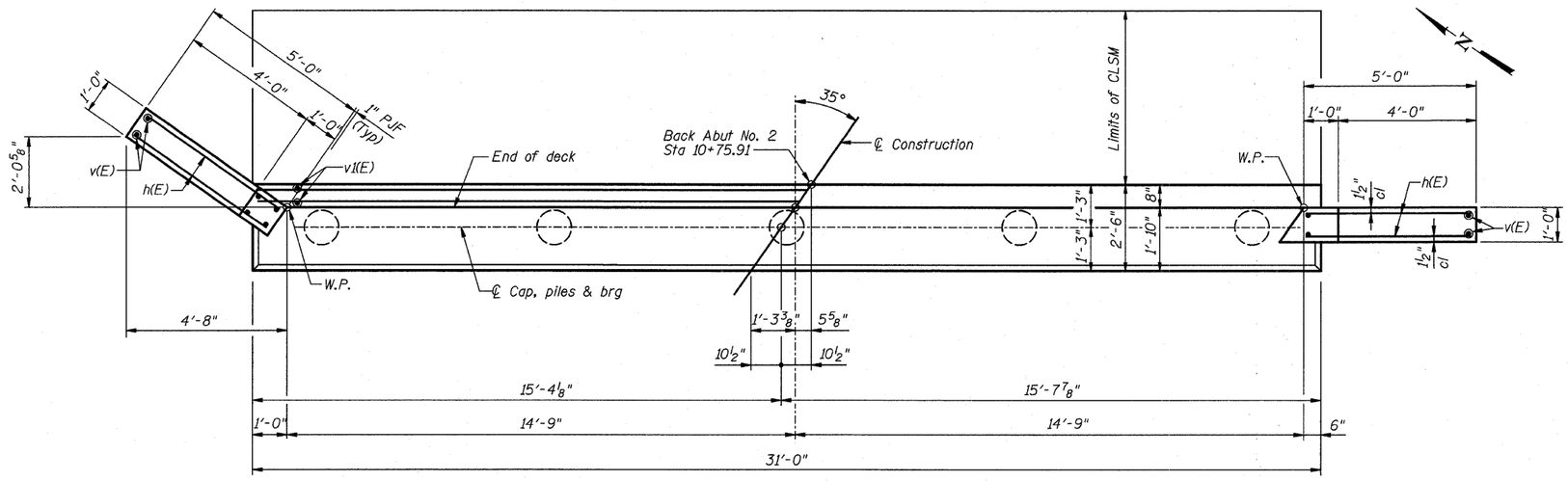
Type and Size: Metal Shell 14 in dia x 0.25 in walls
Nominal Required Bearing: 240 kips
Allowable Resistance Available: 80 kips
Est. Length: 30'
No. Production Piles: 4
No. Test Piles: 1



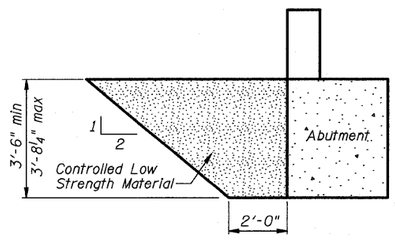
*Dowel Rods to be grouted after beams are in place and allowed to cure (Min 24 hrs) prior to grouting the shear keys.

SECTION THRU ABUTMENT

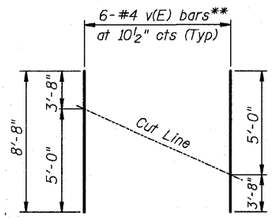
(Dimensions at Rt L's)



PLAN

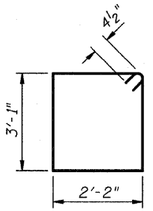


CONTROLLED LOW STRENGTH MATERIAL LIMITS

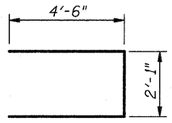


FIELD CUTTING DIAGRAM

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



BARS s(E)



BAR u(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	24	#4	5'-1"	
h1(E)	6	#4	30'-8"	
p(E)	6	#7	30'-8"	
s(E)	26	#4	11'-3"	
u(E)	8	#6	11'-1"	
v(E)	12	#4	8'-8"	
v1(E)	62	#4	3'-4"	
Structure Excavation		Cu Yd	35	
Concrete Structures		Cu Yd	12.5	
Reinforcement Bars (Epoxy Coated)		Pound	1115	
Furnishing Metal Pile Shells 14"		Foot	120	
Driving Piles		Foot	120	
Test Pile Metal Shells		Each	1	
Controlled Low Strength Material		Cu Yd	24	

Reinforcement bars designated (E) shall be epoxy coated.

ABUTMENT NO. 2 DETAILS

REVISIONS		
No.	DATE	INITIALS
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

SECTION 05-04163-00-BR FRIENDS CREEK ROAD DISTRICT
SN 058-3383
MACON COUNTY

HOMER L. CHASTAIN & ASSOCIATES, LLP
CONSULTING ENGINEERS
184-001297
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ROCKFORD (815) 489-0050

DRAWN BY DATE	R KING 11/07
CHECKED BY DATE	JMB 11/07
BOOK NUMBER	314
PROJECT No.	5129
SHEET No.	