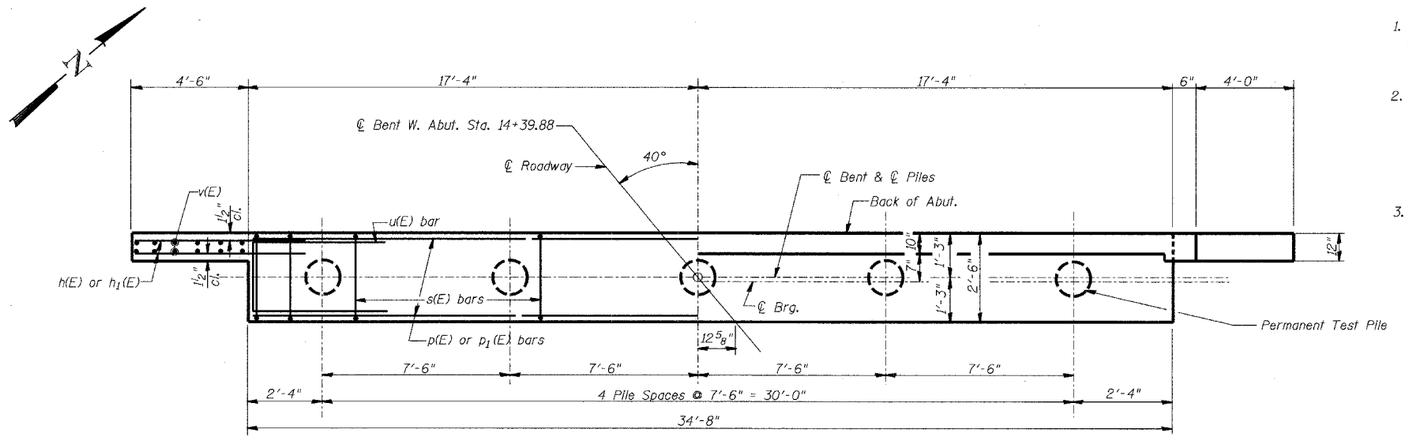
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 54	03-00177-00-BR	MACON	16	13
FED. ROAD DIST. NO.		ILLINOIS	PROJECT	

CONTRACT NO. 91317

NOTES

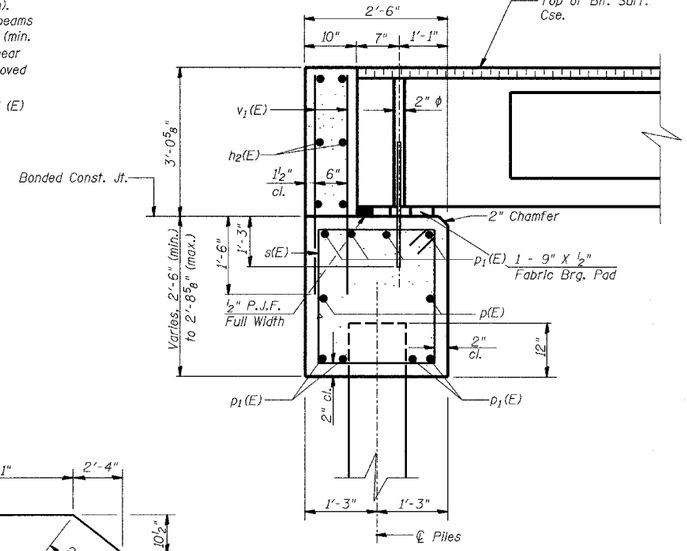
1. The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
2. 1" dia. x 2'-6" dowel rods in 1½" dia. holes drilled in cap (4 each beam). Dowel rods to be grouted after beams are in place and allowed to cure (min. 24 hrs.) prior to grouting the shear keys. The grout shall be an approved non-shrink grout.
3. Reinforcement bars designated (E) shall be Epoxy coated.



PLAN

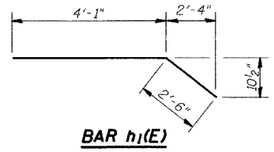
PILE DATA

Type: Metal Pile Shells 12"
Capacity: 25 Tons
Est. Length: 20'-0"
No. Required: 4 plus 1 permanent test pile (at end opposite of boring location)

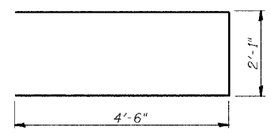


SECTION THRU ABUT.

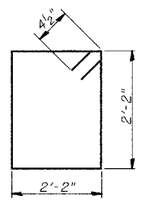
(At Rt. Angles)



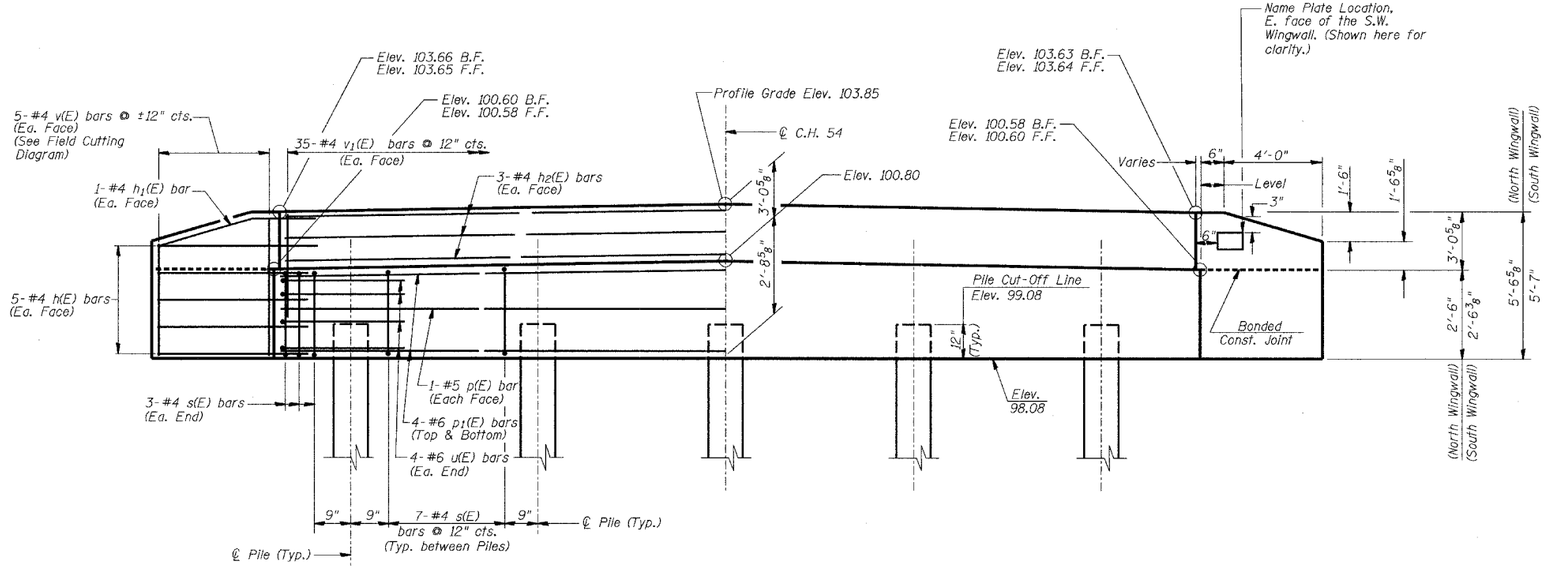
BAR h1(E)



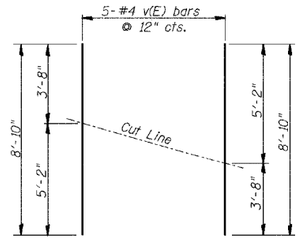
BAR u(E)



BAR s(E)



ELEVATION



FIELD CUTTING DIAGRAM

Order bars full length. Cut to fit as shown and use remainder of bars in other face.

BILL OF MATERIAL
WEST ABUTMENT

Bar	No.	Size	Length	Shape
h(E)	20	#4	6'-6"	
h1(E)	4	#4	6'-7"	
h2(E)	6	#4	34'-4"	
p(E)	2	#5	34'-4"	
p1(E)	8	#6	34'-4"	
s(E)	34	#4	9'-5"	
u(E)	8	#6	11'-1"	
v(E)	10	#4	8'-10"	
v1(E)	70	#4	4'-4"	
Concrete Structures			Cu. Yd.	13.25
Reinforcement Bars, Epoxy Coated			Pound	1340
Furnishing Metal Pile Shells 12"			Foot	80
Driving and Filling Shells			Foot	80
Test Pile Metal Shells			Each	1

WEST ABUTMENT

Date	Designed MJP	C.H. 54 OVER SOUTH FORK CREEK SECTION 03-00177-00-BR MACON COUNTY STA. 15+03.44 PROP. STR. NO. 058-3365	Sheet No. 5 of 8
Revisions	Drawn BKN		
	Checked GAC		
	Approved KWB		
Prepared by: URS	3040 North University Avenue Decatur, Il. 62526		URS Job No. 36431205

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