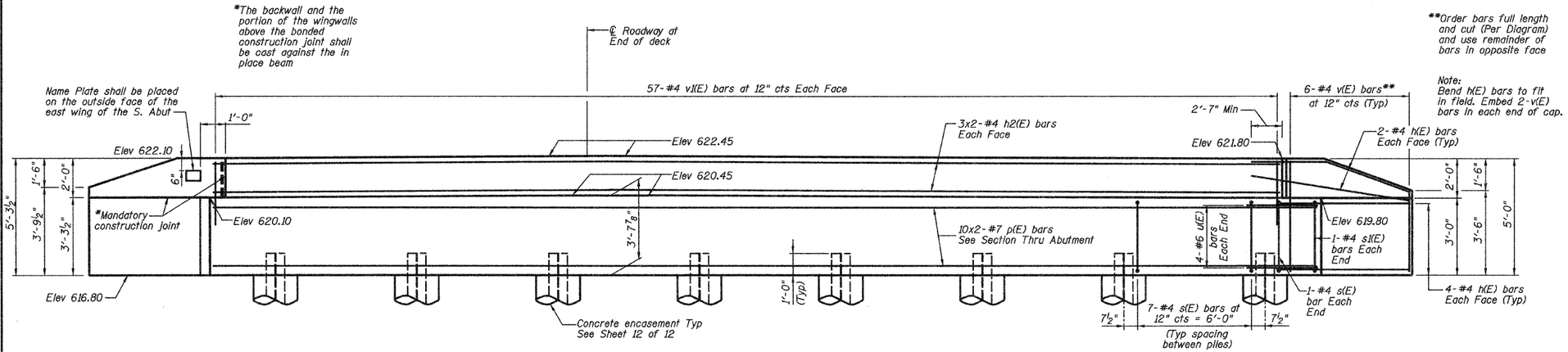


ELEVATION

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	24	#4	4'-8"	
h1(E)	12	#4	29'-9"	
p(E)	20	#7	31'-0"	
s(E)	51	#4	10'-1"	
s1(E)	2	#4	10'-9"	
u(E)	8	#6	11'-5"	
v(E)	12	#4	8'-0"	
v1(E)	114	#4	3'-6"	
Structure Excavation		Cu Yd	50	
Concrete Structures		Cu Yd	22.4	
Reinforcement Bars, Epoxy Coated		Pound	2410	
Furnishing Steel Piles HP10x42		Foot	280	
Driving Piles		Foot	280	
Test Pile		Each	1	
Controlled Low Strength Material		Cu Yd	37.4	
Concrete Encasement		Cu Yd	2.8	

MIN BAR LAP

#4 bar = 2'-7"
#7 bar = 5'-2"

NOTES

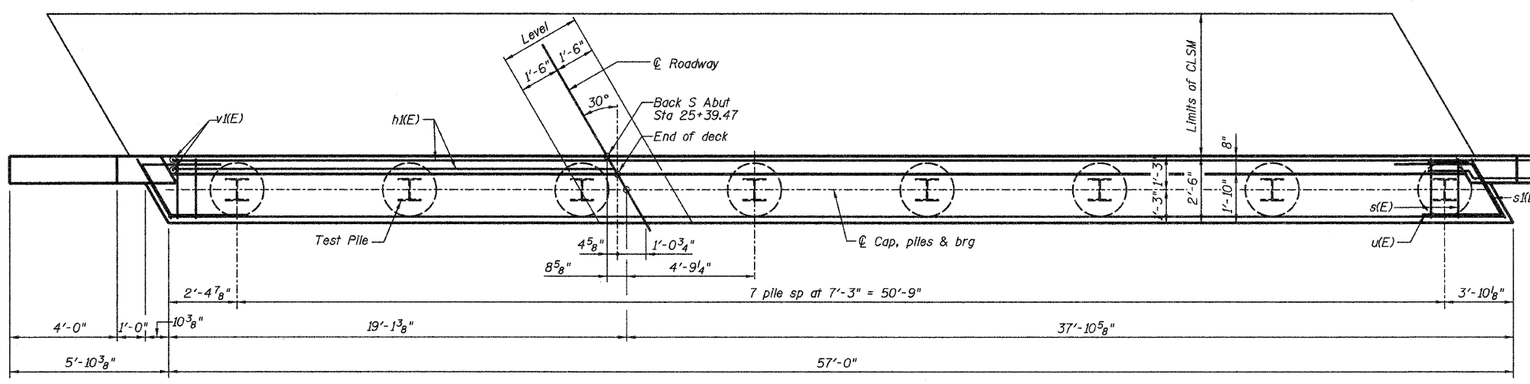
The cost of excavation and reinforcement for pile encasement is incidental to the cost of "Concrete Encasement."

Reinforcement bars designated (E) shall be epoxy coated.

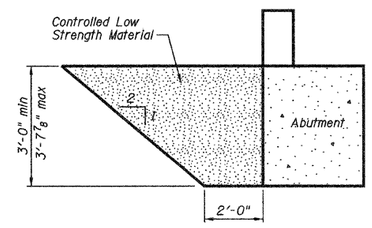
Cast backwall after beams and concrete wearing surface has been erected.

PILE DATA:

Type: Steel HP10x42
Nominal Required Bearing: 183 kips
Allowable Resistance Available: 61 kips
Est. Length: 40'
No. Production Piles: 7
No. Test Piles: 1

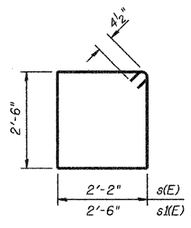


PLAN

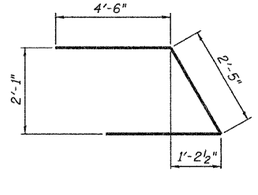


CONTROLLED LOW STRENGTH MATERIAL LIMITS

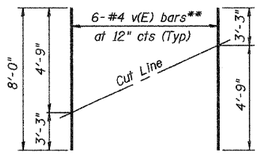
(Dimensions at right L's)



BARS s(E) and s1(E)

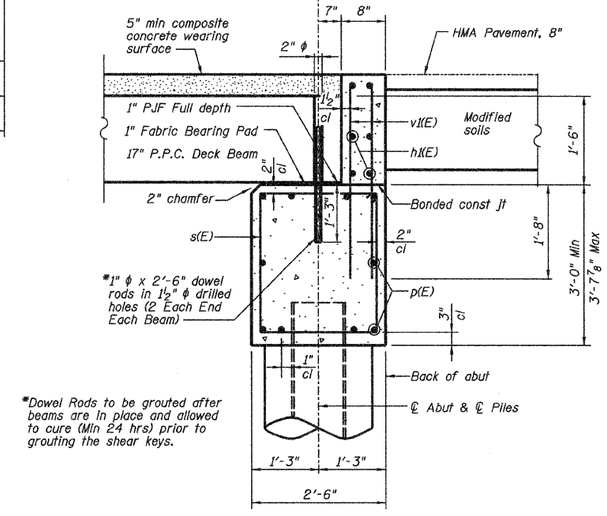


BAR u(E)



FIELD CUTTING DIAGRAM

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



*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)

FILE NAME = ⊕FILE⊕	USER NAME = ⊕USER⊕	DESIGNED ACB	REVISED -
		DRAWN RLK	REVISED -
	PLOT SCALE = ⊕SCALE⊕	CHECKED JMB	REVISED -
	PLOT DATE = ⊕DATE⊕	DATE 1-11-11	REVISED -

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CHICAGO (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

SOUTH ABUTMENT DETAILS
BALTIMORE AVE (CH 7) OVER FINLEY CREEK

SCALE: | SHEET NO. 8 OF 12 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 7	05-00198-BR	MACON	29	14
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

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