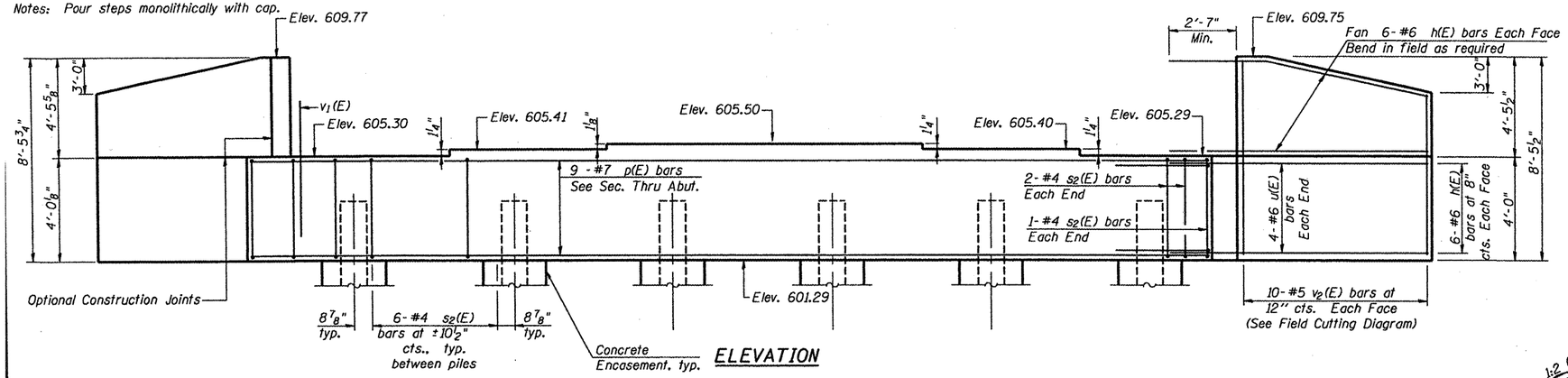
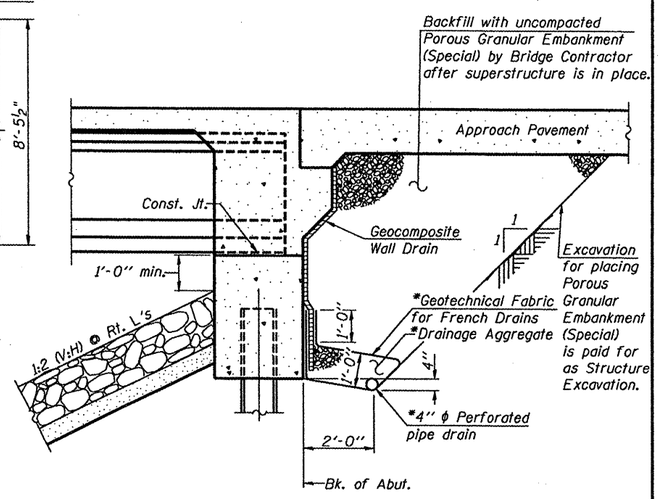
Notes: Pour steps monolithically with cap.



ELEVATION

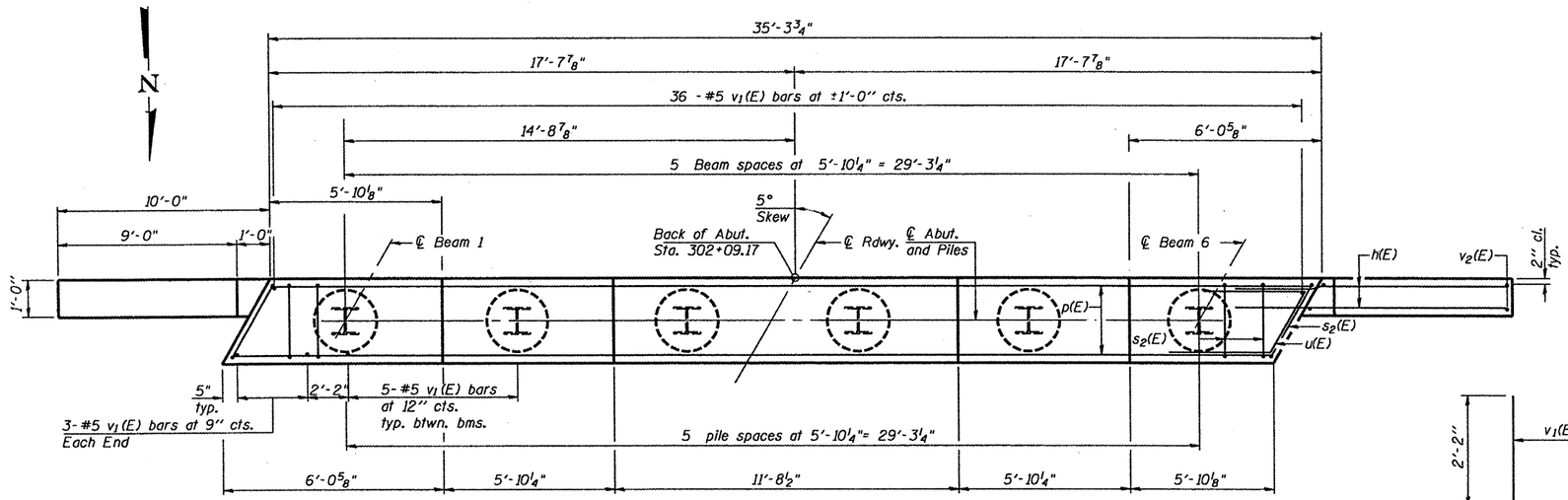


SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures.

Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



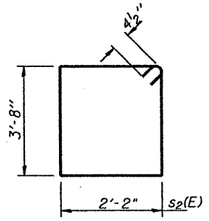
PLAN

PILE DATA

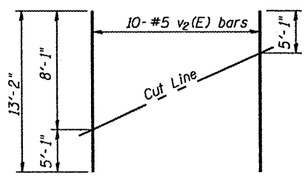
Type: HP12x53
Nominal Required Bearing: 375 kips
Factored Resistance Available: 187.5 kips
Est. Length: 81 feet
No. Production Piles: 6
No. Test Piles: 0

Piles shall be driven through 18" diameter precored holes extending to elevation 595.5 according to Article 512.09(c) of the Standard Specifications. Piles shall be driven as soon as possible after precoring is completed. Cost included in driving piles.

DESIGNED	MJJ
CHECKED	ALN
DRAWN	ASW
CHECKED	ALN

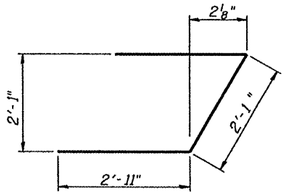


BARS s2(E)

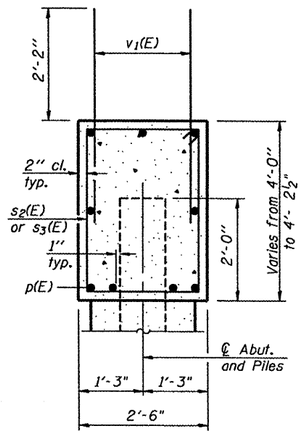


FIELD CUTTING DIAGRAM

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



BAR u(E)



SEC. THRU ABUT.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	48	#6	12'-7"	——
p(E)	9	#7	34'-11"	——
s2(E)	36	#4	12'-5"	□
u(E)	8	#6	7'-11"	⌐
v1(E)	67	#5	4'-4"	——
v2(E)	20	#5	13'-2"	——
Structure Excavation			Cu. Yd.	97
Concrete Structures			Cu. Yd.	18.7
Reinforcement Bars, Epoxy Coated			Pound	2520
Furnishing Steel Piles, HP12x53			Foot	486
Driving Piles			Foot	486
Concrete Encasement			Cu. Yd.	2.1

For details of piles and Concrete Encasement, see sheet 14 of 17.

SOUTH ABUTMENT DETAILS
STRUCTURE NO. 036-0069

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TWM
EXCEPTIONAL SERVICE. NOTHING LESS.

SHEET NO. 13
SHEETS 17

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
534	109BR-2	HENDERSON	490	440
		CONTRACT NO. 88773		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

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