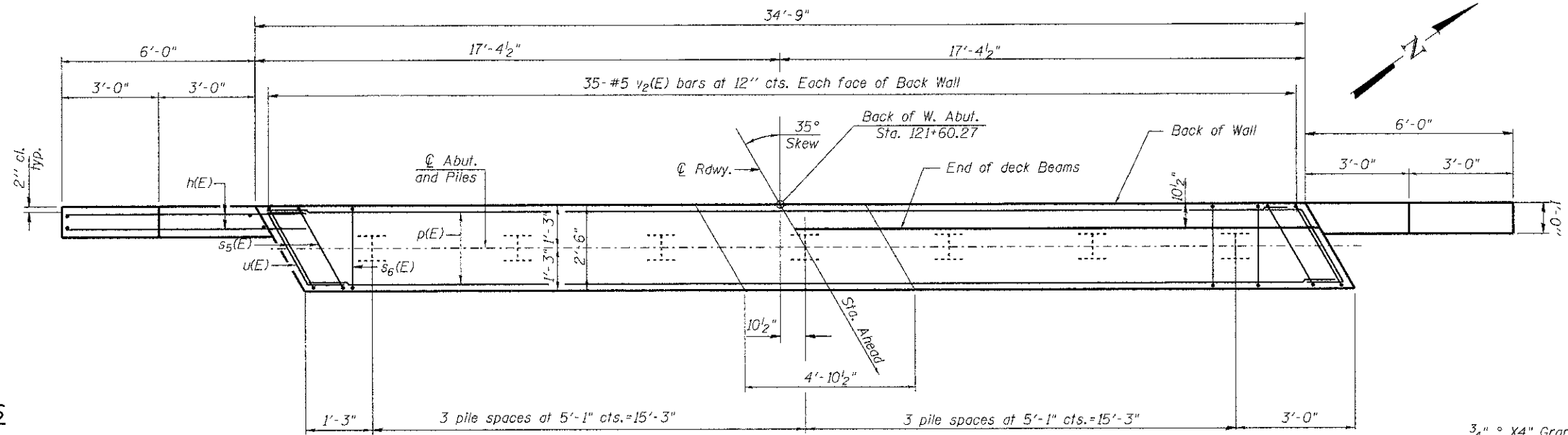


ELEVATION

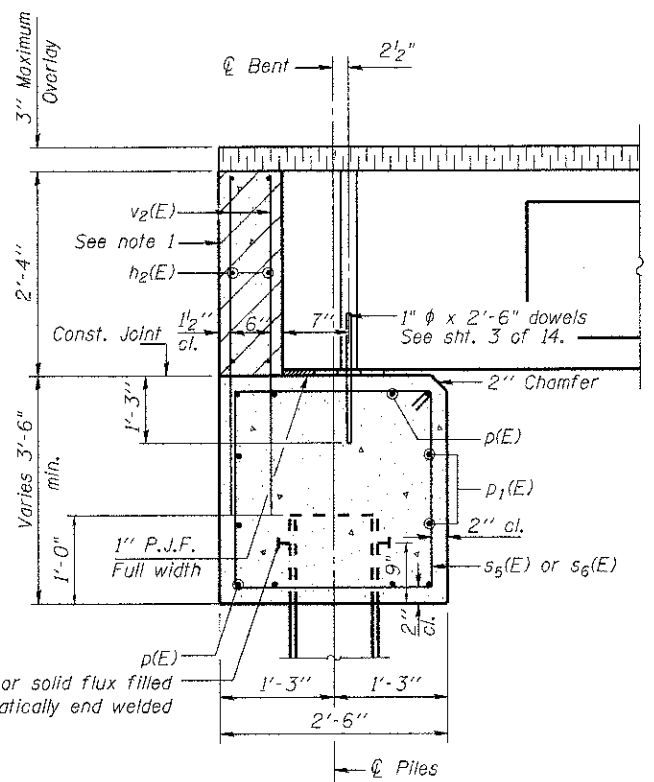
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h (E)	16	#5	8'-0"	—
h1 (E)	12	#5	8'-3"	—
h2 (E)	12	#5	18'-3"	—
p (E)	8	#7	34'-5"	—
p1 (E)	8	#5	18'-6"	—
s5 (E)	4	#5	12'-6"	□
s6 (E)	32	#5	11'-8"	□
u (E)	8	#6	11'-6"	□
v (E)	14	#5	5'-9"	—
v1 (E)	8	#5	10'-0"	—
v2 (E)	70	#5	3'-10"	—
Concrete Structures	Cu .Yd.		16.9	
Reinforcement Bars, Epoxycoated	Pound		2210	
Furnishing Steel Piles HP12x74	Foot		210	
Test pile Steel HP12x74	Ea.		1	
Stud Shear Connectors	Ea.		14	
Concrete encasement	Cu .Yd.		2.4	

MIN. BAR LAP
(unless notes otherwise)
#5 Bars = 1'-8"



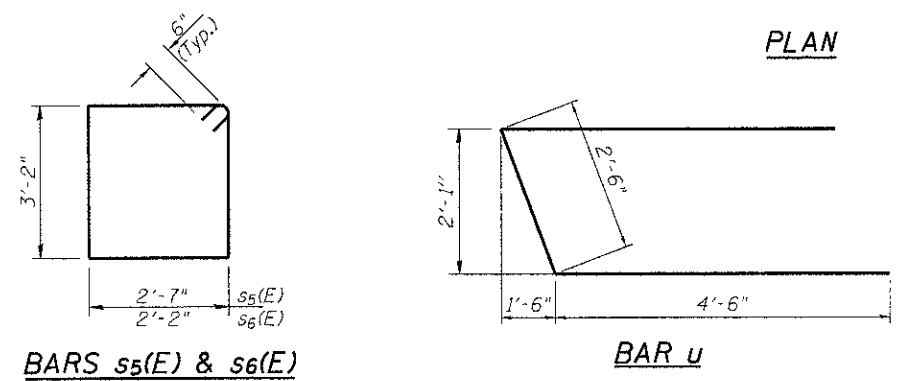
PLAN



SECTION THRU ABUTMENT
(At Right Angles)

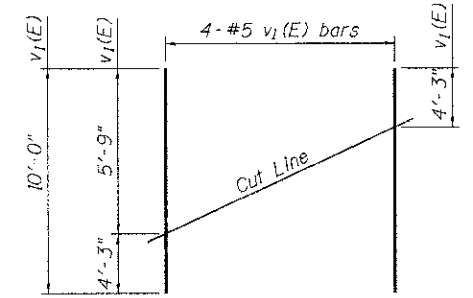
NOTES

The Backwall and the portion of the Wingwalls above the construction joint shall be cast against the in-place beam.
Space reinforcement in cap to miss dowel rods.
For pile details and concrete encasement see sheet 13 of 14.
Bars indicated thus 3x2-#5 etc. Indicate 3 bars @ 2lengths per line



BARS s5(E) & s6(E)

BAR U



FIELD CUTTING DIAGRAM

Order v1(E) full length. Cut as shown and use remainder of bars in opposite face.

PILE DATA

Type & Size: Steel-HP 12x74
Nominal Required Bearing: 589 Kips
Factored Resistance Available = 185 Kips
Estimated Pile length = 35'
No. of production piles = 6
Test pile = 1

3/4" x 4" Granular or solid flux filled headed studs automatically end welded to flange 2 studs.