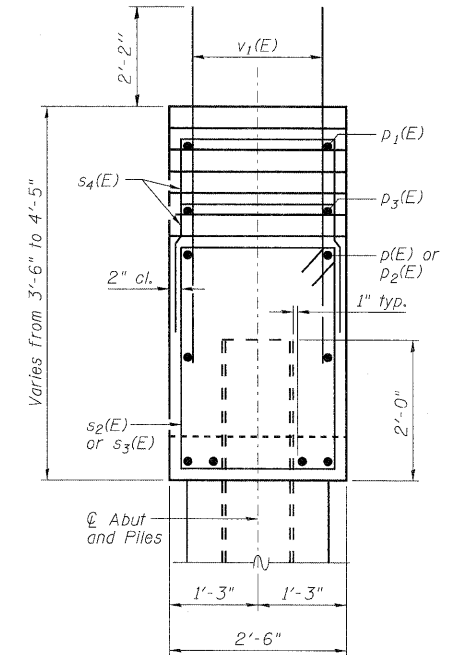


ELEVATION
(Looking North)



SEC. THRU ABUT.
(Dimensions at Rt. L's)

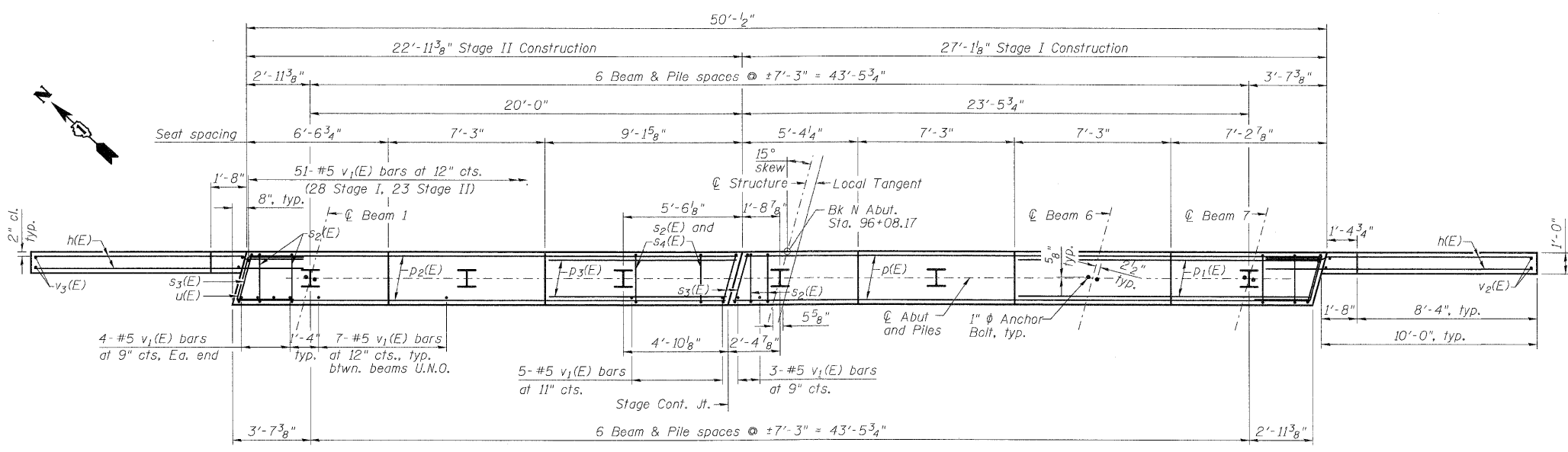
BEAM SEAT ELEVATION TABLE

Location	Elev.
Beam 1	812.46
Beam 2	812.77
Beam 3	813.07
Beam 4	813.37
Beam 5	813.67
Beam 6	813.98
Beam 7	814.28

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	52	#7	14'-0"	
p(E)	10	#8	26'-10"	
p1(E)	4	#5	14'-2"	
p2(E)	10	#8	21'-8"	
p3(E)	4	#5	8'-10"	
s2(E)	45	#5	11'-7"	□
s3(E)	4	#5	11'-9"	□
s4(E)	25	#5	6'-6"	□
u(E)	7	#6	7'-3"	└
v1(E)	102	#5	4'-4"	
v2(E)	10	#5	12'-6"	
v3(E)	10	#5	10'-6"	
Structure Excavation		Cu. Yd.	202	
Concrete Structures		Cu. Yd.	28.1	
Porous Granular Embankment (Special)		Cu. Yd.	82	
Geocomposite Wall Drain		Sq. Yd.	36	
Pipe Underdrains for Structures 4"		Foot	80	
Reinforcement Bars, Epoxy Coated		Pound	4420	
Bar Splicers		Each	8	
Furnishing Steel Piles HP 12x53		Foot	246	
Driving Piles		Foot	246	
Test Pile Steel HP 12x53		Each	1	
Pile Shoes		Each	7	
Concrete Encasement		Cu. Yd.	2.5	

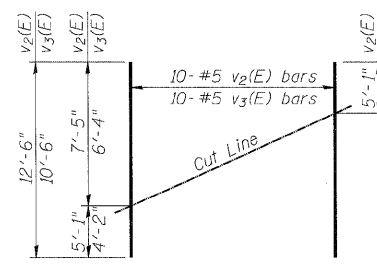
Notes:
 Pour steps monolithically with cap.
 Space reinforcement in cap to miss anchor bolts.
 For details of Bar Splicers, see Sheet 23 of 26
 For details of Piles and Concrete Encasement, see Sheet 22 of 26
 For details of Integral Abutment Bearing, see Sheet 18 of 26
 For drainage details, see Section Thru Integral Abutment on Sheet 3 of 26



PLAN

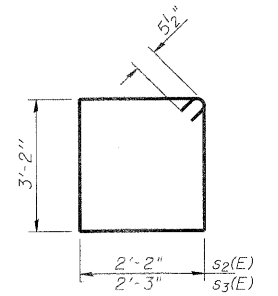
PILE DATA

Type: Steel HP 12x53 w/ metal shoes
 Nominal Required Bearing: 345 kips
 Factored Resistance Available: 190 kips
 Est. Length: 41 ft.
 No. Production Piles: 6
 No. Test Piles: 1

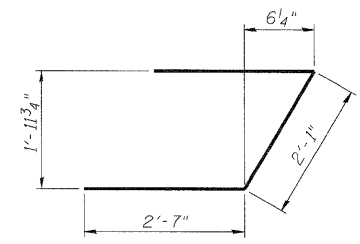


FIELD CUTTING DIAGRAM

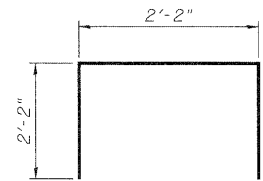
Order v2(E) and v3(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s2(E) & s3(E)



BAR u(E)



BAR s4(E)