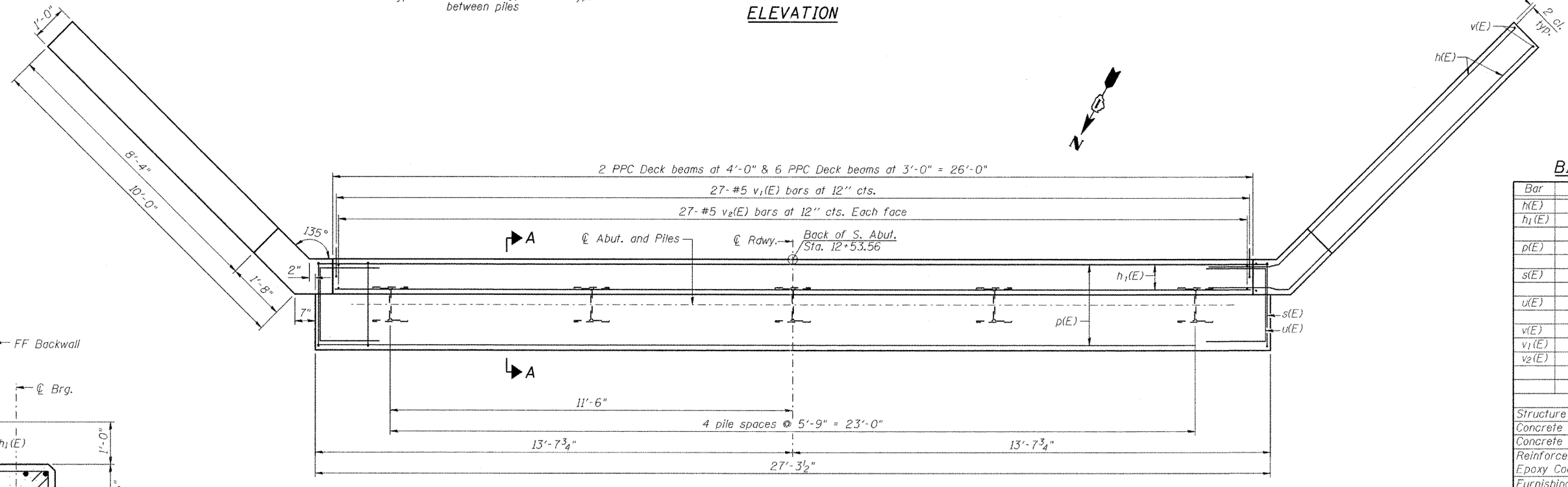


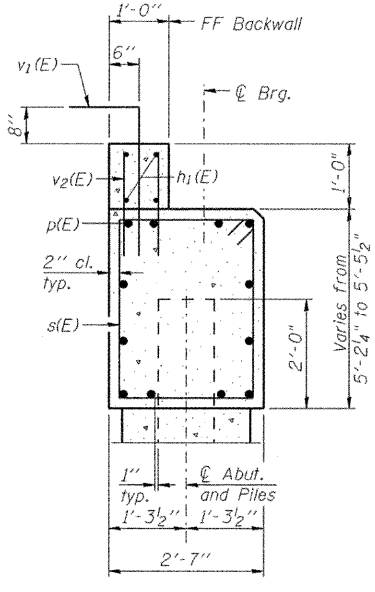
ELEVATION



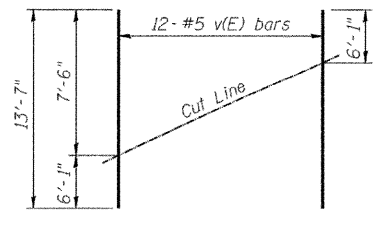
PLAN

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	68	#6	13'-6"	—
h1(E)	4	#5	25'-11"	—
p(E)	12	#8	26'-11"	—
s(E)	30	#5	15'-1"	□
u(E)	8	#6	7'-4"	—
v(E)	24	#5	13'-7"	—
v1(E)	27	#5	4'-4"	┌
v2(E)	27	#5	1'-10"	—
Structure Excavation		Cu. Yd.	101	
Concrete Structures		Cu. Yd.	20.2	
Concrete Encasement		Cu. Yd.	1.8	
Reinforcement Bars, Epoxy Coated		Pound	3420	
Furnishing Steel Piles HP 12x63		Foot	156	
Driving Piles		Foot	156	
Test Pile Steel HP 12x63		Each	1	
Pile Shoes		Each	5	
Concrete Sealer		Sq Ft	216	
Geocomposite Wall Drain		Sq Yd	36	
Pipe Underdrains for Structures, 4"		Foot	54	

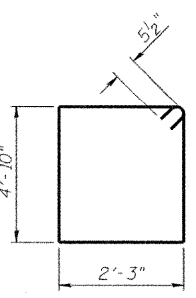


SECTION A-A

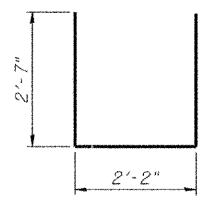


FIELD CUTTING DIAGRAM

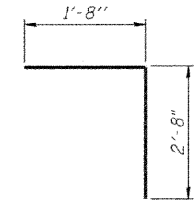
Order v(E) bars full length. Cut as shown and use remainder of bars in opposite face.



BAR s(E)



BAR u(E)



BAR v1(E)

PILE DATA

Type: HP 12x63 w/ metal shoes
 Nominal Required Bearing: 497 kips
 Factored Resistance Available: 273 kips
 Est. Length: 39 feet
 No. Production Piles: 4
 No. Test Piles: 1

Notes:
 For details of piles and Concrete Encasement, see sheet 23.
 Cast backwall and top portion of wingwall after beams have been erected.
 Concrete sealer shall be applied to exposed concrete surfaces of wingwall and abutment, including bearing seat, front face and top face of backwall.