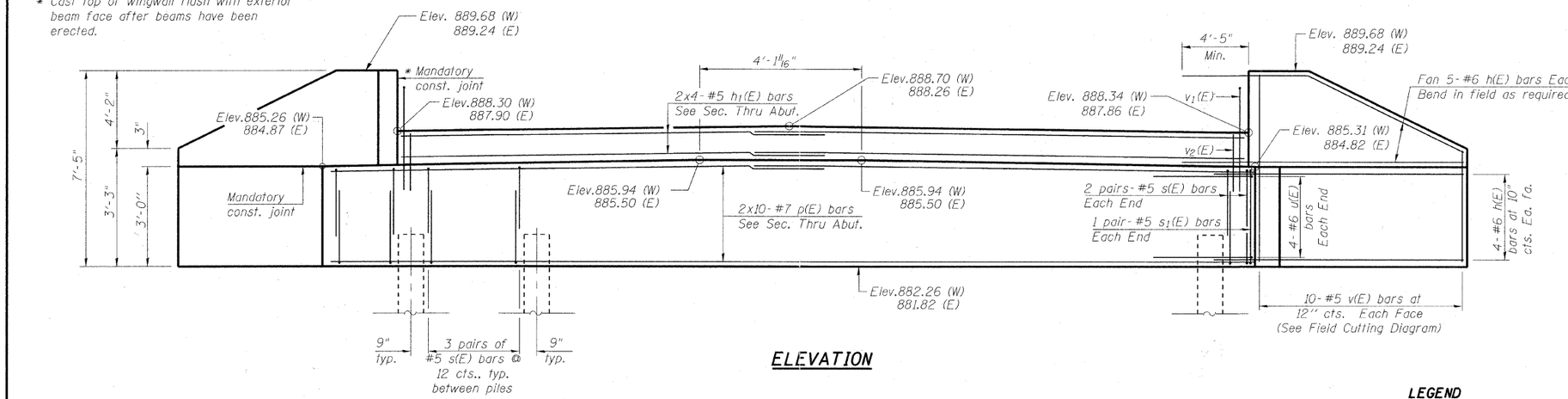
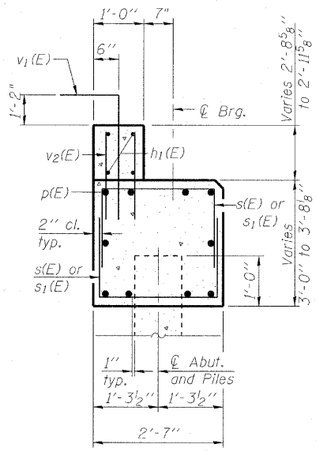


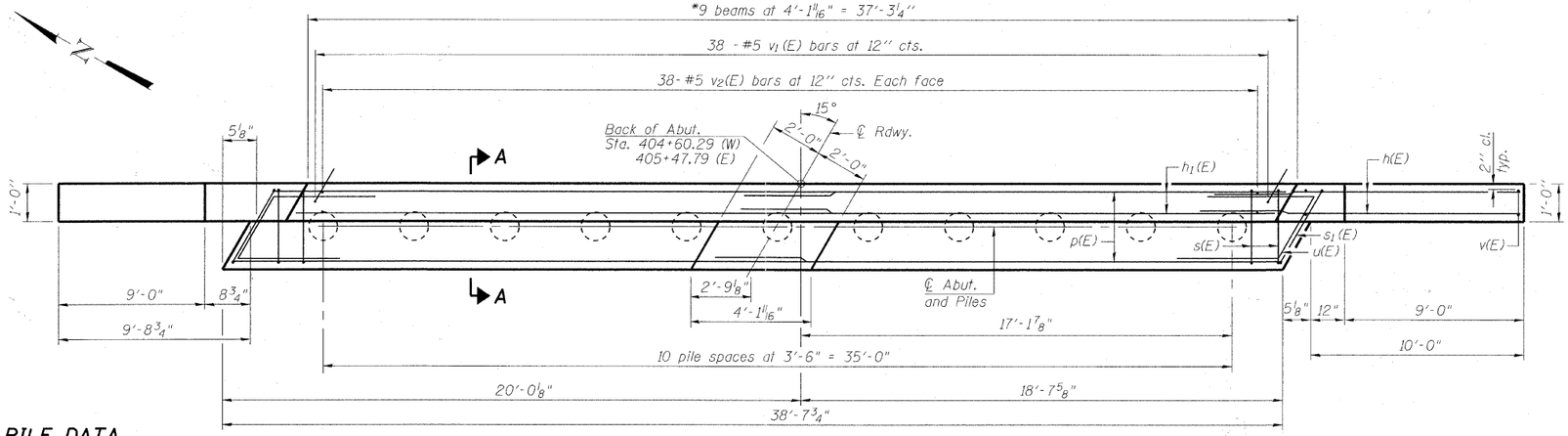
ELEVATION

LEGEND
(W) - West Abutment
(E) - East Abutment



SECTION A-A

Horiz. Dim. @ Rt. L's



PLAN

East Abutment shown.
West Abutment similar by rotation.

BILL OF MATERIAL
TWO ABUTMENTS

Bar	No.	Size	Length	Shape
h(E)	72	#6	14'-5"	
h1(E)	16	#5	20'-3"	
p(E)	40	#7	22'-1"	
s(E)	136	#5	7'-3"	
s1(E)	8	#5	7'-4"	
u(E)	16	#6	11'-2"	
v(E)	40	#5	8'-1"	
v1(E)	76	#5	6'-8"	
v2(E)	152	#5	4'-4"	
Structure Excavation	Cu. Yd.		240	
Concrete Structures	Cu. Yd.		33.2	
Reinforcement Bars, Epoxy Coated	Pound		6620	
Furnishing Metal Shell Piles, 14" x 0.312"	Foot		880	
Driving Piles	Foot		880	
Test Pile Metal Shells	Each		2	
Pile Shoes	Each		22	

Notes:
For details of piles and Concrete Encasement, see sheet 14 of 18.
Cast backwall after beams and concrete wearing surface have been erected.

PILE DATA

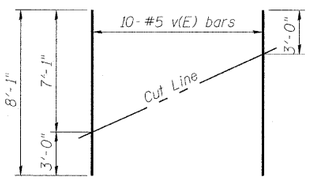
EAST ABUTMENT

Type: 14" ϕ Metal Shells w/ 0.312" walls with Pile Shoes
Nominal Required Bearing: 360 kips
Factored Resistance Available: 180 kips
Est. Length: 40'
No. Production Piles: 10
No. Test Piles: 1

WEST ABUTMENT

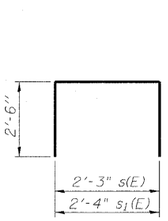
Type: 14" ϕ Metal Shells w/ 0.312" walls with Pile Shoes
Nominal Required Bearing: 360 kips
Factored Resistance Available: 180 kips
Est. Length: 48'
No. Production Piles: 10
No. Test Piles: 1

The Contractor shall drive a total of (two) 2 Test Piles in a permanent location, one at each abutment as directed by the Engineer, before ordering the remainder of piles.

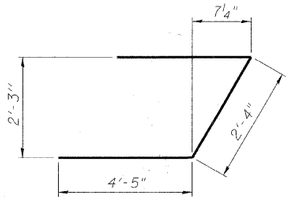


FIELD CUTTING DIAGRAM

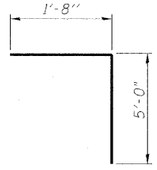
Order v(E) full length. Cut as shown and use remainder of bars in opposite face.



BAR s(E) & s1(E)



BAR u(E)



BAR v1(E)

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