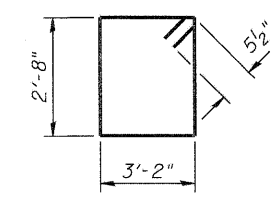
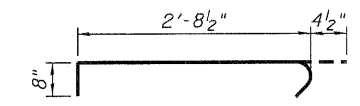


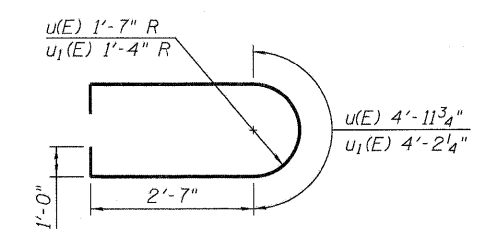
TOP PLAN



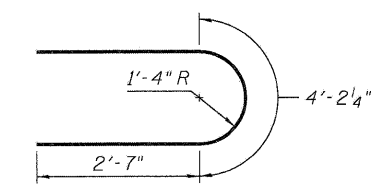
BAR s(E)



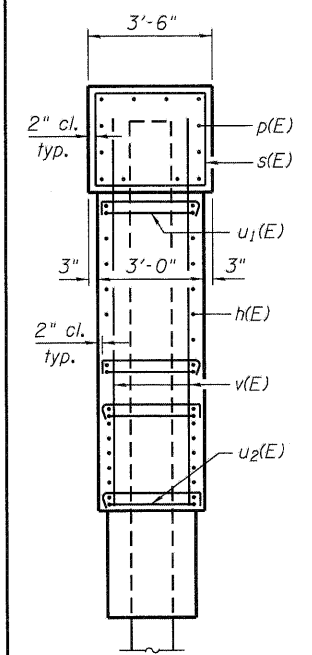
BAR s1(E)



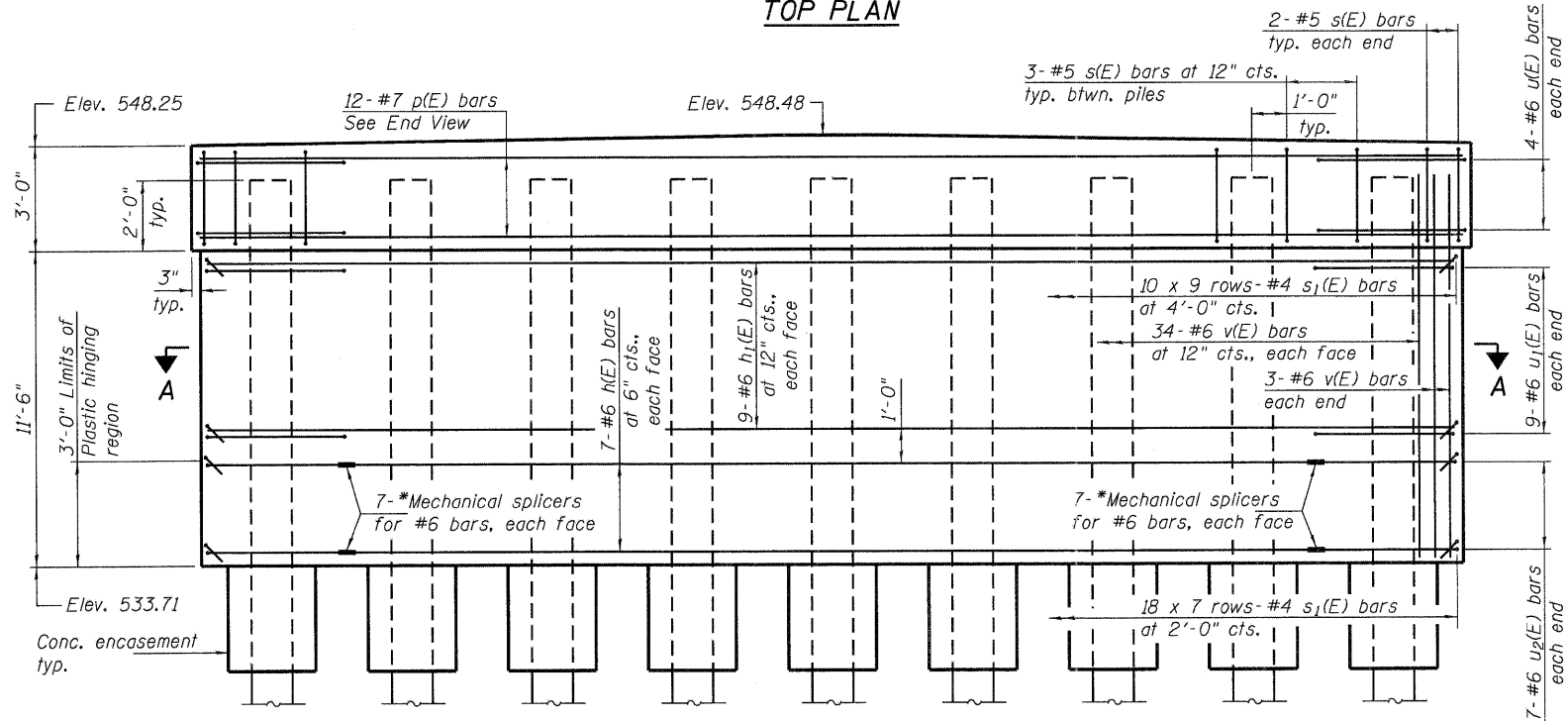
BARS u(E) & u1(E)



BARS u2(E)

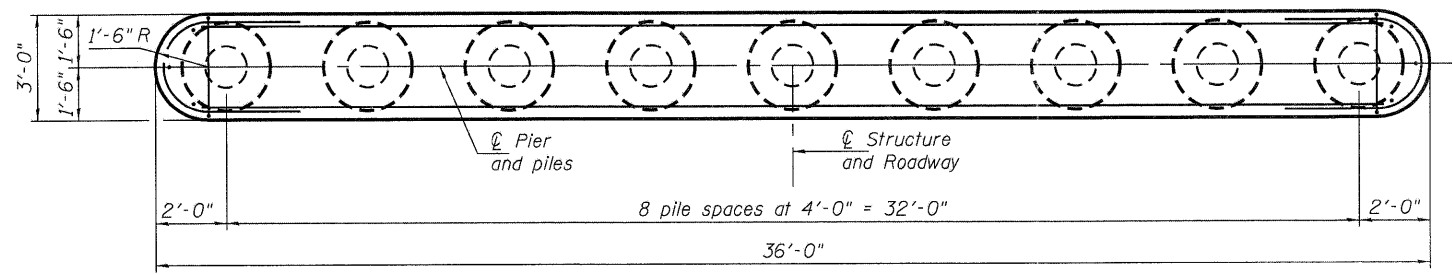


END VIEW

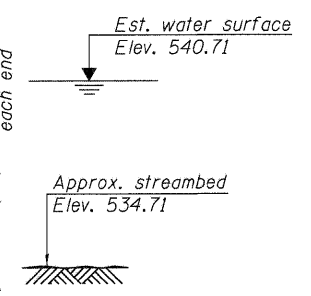


ELEVATION

* As an alternate to the Mechanical splicers shown, the Contractor may provide shop welded splices in accordance with AWS D1.4.



SECTION A-A



**PIER 1
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	14	#6	27'-10"	—
h1(E)	18	#6	33'-0"	—
p(E)	12	#7	33'-0"	—
s(E)	28	#5	12'-7"	□
s1(E)	216	#4	3'-9"	┌
u(E)	8	#6	12'-2'	U
u1(E)	18	#6	11'-5"	U
u2(E)	14	#6	9'-5"	U
v(E)	74	#6	13'-5"	—
Structure Excavation			Cu. Yd.	6.7
Concrete Structures			Cu. Yd.	54.7
Concrete Encasement			Cu. Yd.	2.9
Reinforcement Bars, Epoxy Coated			Pound	5,340
Furnishing Metal Shell Piles 14" x 0.312"			Foot	549
Driving Piles			Foot	549
Underwater Structure Excavation Protection Location 1			Each	1
Mechanical Splicers			Each	28

PILE DATA

Type: Metal Shell - 14" ϕ x 0.312" walls
 Nominal Required Bearing: 412 kips
 Factored Resistance Available: 221 kips
 Est. Length: 61 ft.
 No. Production Piles: 9
 No. Test Piles: 0