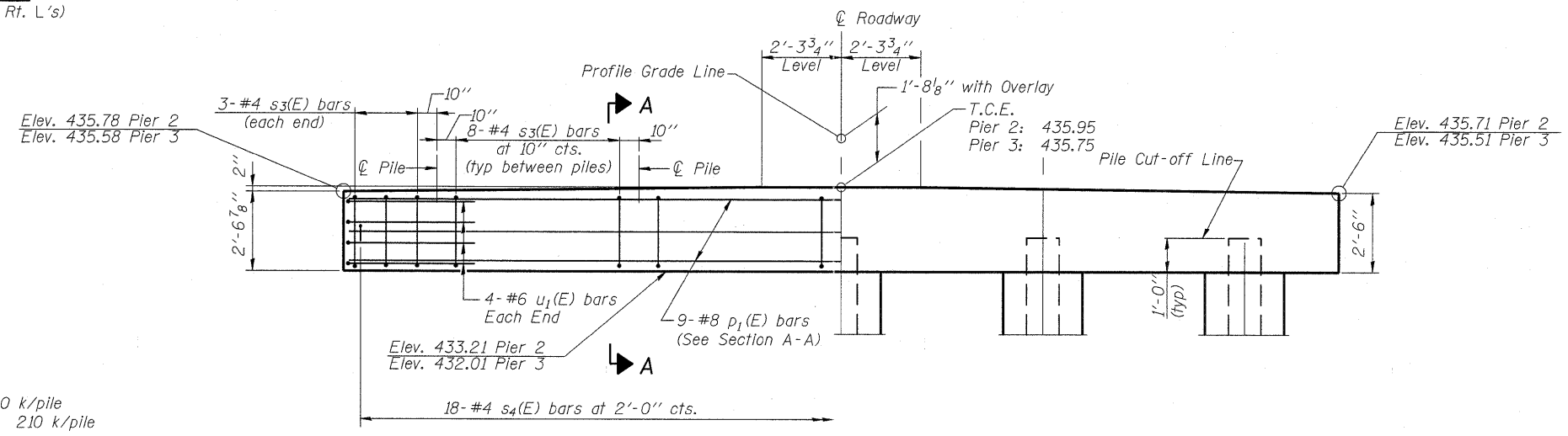


**SECTION A-A**  
(Dimensions are at Rt. L's)

**TOP PLAN**



**ELEVATION**  
(Looking East)

**PILE DATA**

Type: HP12x53  
 Nominal Required Bearing: 300 k/pile  
 Factored Resistance Available: 210 k/pile  
 Pier 2:  
 No. Production Piles: 5  
 No. Test Piles: 0  
 Pier 3:  
 No. Production Piles: 4  
 No. Test Piles: 1  
 Est. Length: 39 Ft. (Pier 2)  
 39 Ft. (Pier 3)

**BILL OF MATERIAL  
PIERS 2 & 3**

		Pier 2	Pier 3
Concrete Structures	Cu. Yd.	11.2	11.2
Reinforcement Bars, Epoxy Coated	Pound	1290	1290
Furnishing Steel Piles, HP12x53	Foot	195	156
Driving Piles	Foot	195	156
Test Pile, Steel HP12x53	Each	0	1
Pile Shoes	Each	5	5
Concrete Encasement	Cu. Yd.	10.3	10.2
Underwater Structure Excavation Protection - Location 1	Each	1	-
Underwater Structure Excavation Protection - Location 2	Each	-	1

For details of piles including Seismic Pile Anchorage, Pile Shoes and Concrete Encasement, see sheet 14 of 16.

**BILL OF REINFORCEMENT  
EACH PIER**

Bar	No.	Size	Length	Shape
p <sub>1</sub> (E)	9	#8	34'-2"	—
s <sub>3</sub> (E)	38	#4	11'-1"	□
s <sub>4</sub> (E)	18	#4	4'-0"	U
u <sub>1</sub> (E)	8	#6	11'-11"	—

**NOTES**

If a portion of the concrete encasement is under water, reinforcement may be placed underwater into forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.

