



**TWO PIERS
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
p(E)	20	#7	42'-1"	—
s ₅ (E)	80	#5	9'-7"	□
s ₆ (E)	4	#5	11'-5"	□
u(E)	16	#6	8'-1"	⌒
v(E)	204	#5	4'-4"	—
Concrete Structures			Cu. Yd.	19.6
Reinforcement Bars, Epoxy Coated			Pound	3680
Furnishing Steel Piles HP 12x53			Foot	602
Driving Piles			Foot	602
Concrete Encasement			Cu. Yd.	21.5
Test Pile, HP 12X53			Each	1
Underwater Structure Excavation Protection Location 1			Each	1
Underwater Structure Excavation Protection Location 2			Each	1

For details of piles and Concrete Encasement, See Sheet 10 of 12.

If a portion of the pier wall or 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.

PILE DATA

Type: HP 12x53
 Nominal Required Bearing: 419 k
 Factored Resistance Available: 209 k
 Est. Length: 43 ft.
 No. Production Piles: 7 (Each Pier) *
 No. Test Piles: 1

* Includes one steel test pile to be driven in a permanent location at Pier #2. The test pile shall be driven to 110 percent of the Normal Required Bearing, indicated in the pile data information.

PLOT DATE = 3/20/11
 FILE NAME = 80333448-87450-008-pier.edgn
 PLOT SCALE = 0.1000000 1" = 1'-0"
 USER NAME = CFC

SHEET TITLE		PIERS	
PROJECT	C.H. 35 OVER DIAMOND CREEK FAS RTE.267 SEC. 06-00169-01-BR LIVINGSTON COUNTY STATION 10+30.00 STRUCTURE NUMBER 053-3456	PROJECT NO.	06079
DATE	3/29/11	DESIGN BY	CME/MCB
DRAWN BY	TFC/CFC	CHECKED BY	CME/MCB
Coombe-Bloxdorf P.C. - CIVIL ENGINEERS - - STRUCTURAL ENGINEERS - - LAND SURVEYORS - Design Firm License No. 184-002703		DRAWING NO.	9
		OF 12 SHTS	