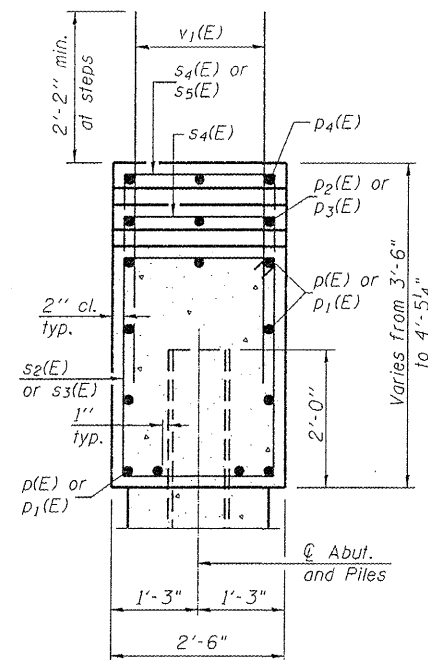


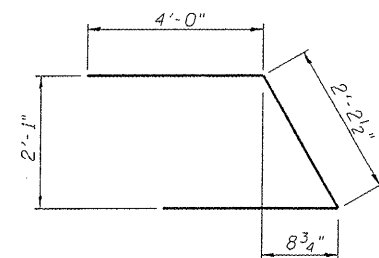
ANCHOR BOLT DETAIL



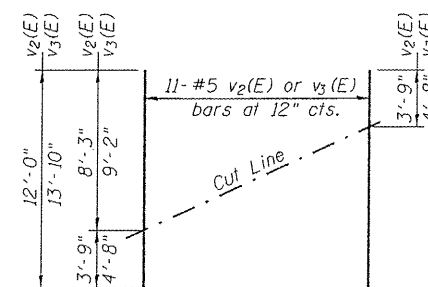
SEC. THRU ABUT.

**WEST ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
$h(E)$	22	#7	13'-6"	
$h_1(E)$	24	#6	13'-6"	
$p(E)$	22	#7	30'-6"	
$p_1(E)$	22	#7	28'-4"	
$p_2(E)$	3	#5	27'-2"	
$p_3(E)$	3	#5	32'-3"	
$p_4(E)$	3	#5	7'-7"	
$s_2(E)$	96	#5	11'-7"	
$s_3(E)$	2	#5	11'-10"	
$s_4(E)$	63	#5	7'-2"	
$s_5(E)$	1	#5	7'-4"	
$u(E)$	9	#6	10'-3"	
$v_1(E)$	193	#5	4'-4"	
$v_2(E)$	11	#5	12'-0"	
$v_3(E)$	11	#5	13'-10"	
Structure Excavation		CU YD	271	
Concrete Structures		CU YD	40.2	
Reinforcement Bars, Epoxy Coated		POUND	6,920	
Furnishing Steel Piles, HP12x53		FOOT	855	
Driving Piles		FOOT	855	
Concrete Encasement		CU YD	6.7	

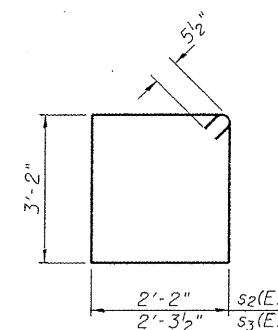


BAR $u(E)$

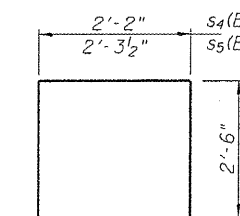


FIELD CUTTING DIAGRAM

Order $v_2(E)$ or $v_3(E)$ full length. Cut as shown and use remainder of bars in opposite face. Use $v_2(E)$ bars in South Wing & $v_3(E)$ bars in North Wing



BARS $s_2(E)$ & $s_3(E)$



BARS $s_4(E)$ & $s_5(E)$

MIN. BAR LAP

#7 = 5'-10"