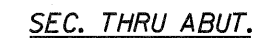


Pour steps monolithically with cap.
 For details of piles and Concrete Encasement,
 see sheet 35 of 41.

Piles are spaced to miss back row of piles supporting existing abutment.



DIMENSION "t"

	Beam 10	Beam 11	Beam 12
t	1 $\frac{1}{8}$ "	1 $\frac{1}{8}$ "	3 $\frac{3}{8}$ "

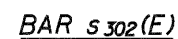
t = 0 at Beams 8, 9, 13, and 14



Type: HP 10x42 with pile shoes
Nominal Required Bearing: 335
Allowable Resistance Available: 112
Est. Length: 22'
No. Production Piles: 6
No. Test Piles: 0



Order $v_{302}(E)$ full length. Cut as shown and use remainder of bars in opposite face.



CB Coombe-Bloxdorf P.C.
-CIVIL ENGINEERS-
-STRUCTURAL ENGINEERS-
-LAND SURVEYORS-
Design Firm License No. 184-002703

PROJECT NO. 09033	SHEET NO. 30	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE		280	81-1 (HB-1)	ROCK ISLAND	503	271
DATE 5/18/10					CONTRACT NO. 64815	
DESIGN BY						
DRAWN BY MMI	41 SHEETS					
CHECKED BY MCR		FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

EAST ABUTMENT
STRUCTURE NO. 081-0191 (EB)