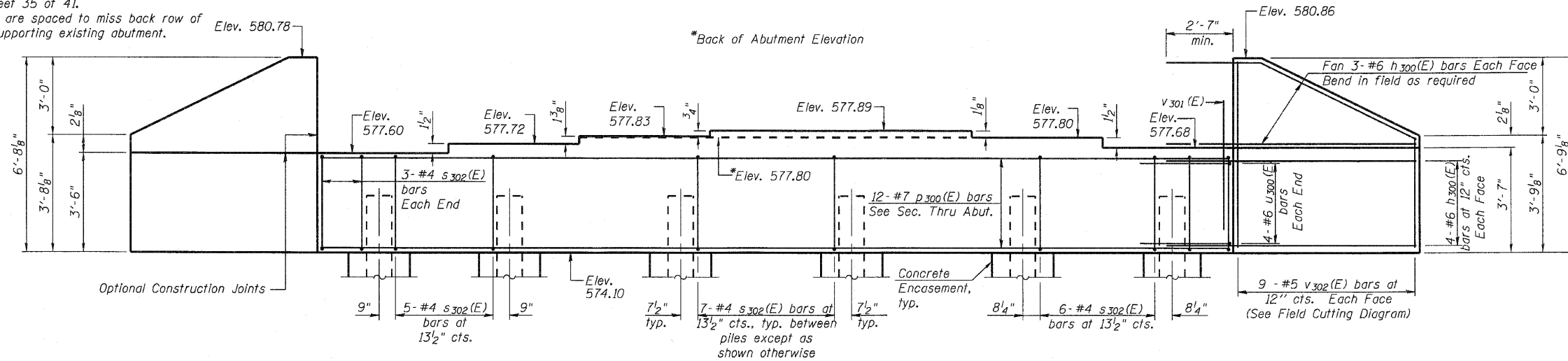


Notes:
Four steps monolithically with cap.
For details of piles and Concrete Encasement,
see sheet 35 of 41.
Piles are spaced to miss back row of
piles supporting existing abutment.

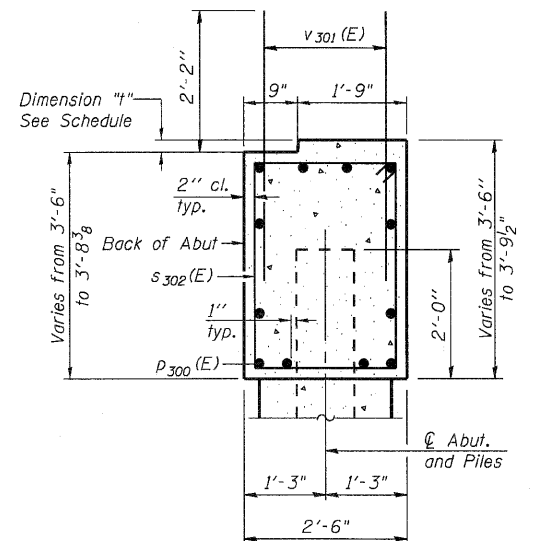


ELEVATION
(Looking West)

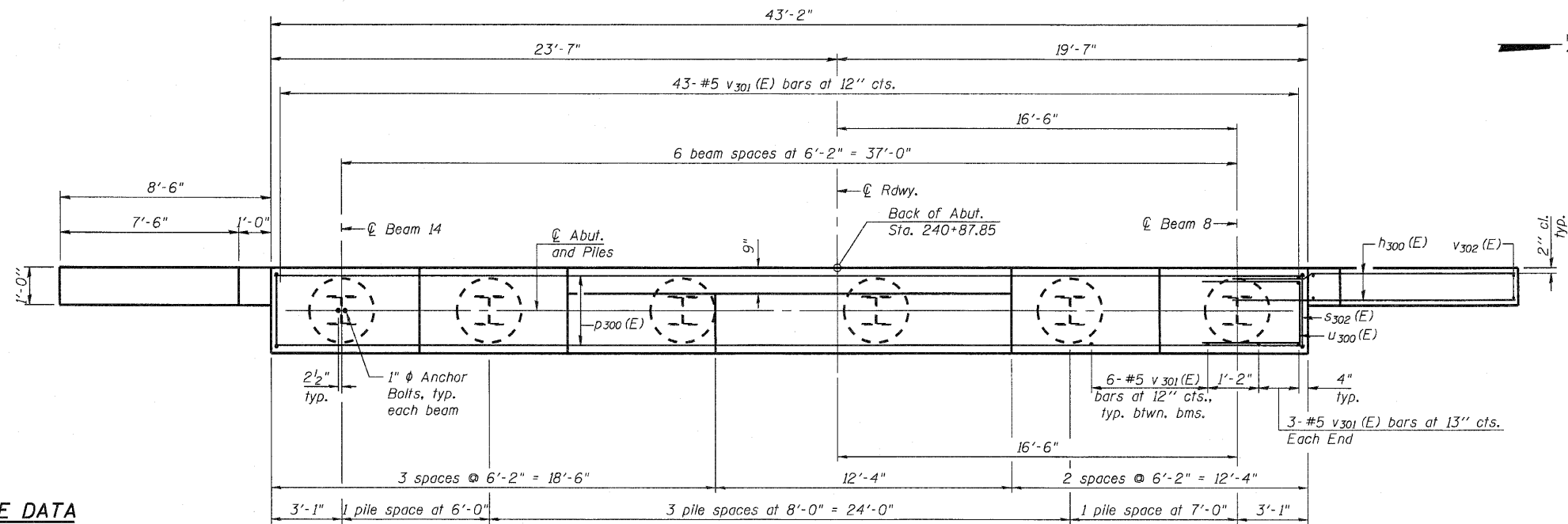
DIMENSION "t"

	Beam 10	Beam 11	Beam 12
t	1/8"	1/8"	3/8"

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



SEC. THRU ABUT.



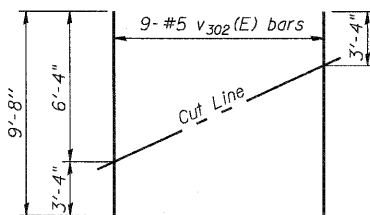
PLAN

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h300 (E)	28	#6	10'-11"	
p300 (E)	12	#7	42'-2"	
s302 (E)	38	#4	11'-5"	
u300 (E)	8	#6	7'-3"	
v301 (E)	85	#5	4'-4"	
v302 (E)	18	#5	9'-8"	
Structure Excavation				Cu. Yd. 78
Concrete Structures				Cu. Yd. 18.1
Reinforcement Bars, Epoxy Coated				Pound 2435
Furnishing Steel Piles, HP 10x42				Foot 150
Driving Piles				Foot 150
Concrete Encasement				Cu. Yd. 2.1
Pile Shoes				Each 6

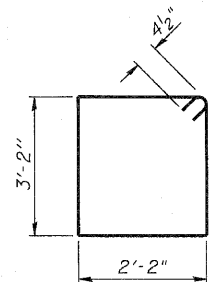
PILE DATA

Type: HP 10x42 with pile shoes
Nominal Required Bearing: 335
Allowable Resistance Available: 112
Est. Length: 25'
No. Production Piles: 6
No. Test Piles: 0

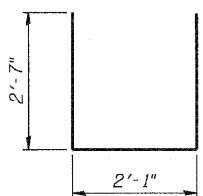


FIELD CUTTING DIAGRAM

Order v302 (E) full length. Cut as shown and use remainder of bars in opposite face.



BAR s302(E)



BAR u300(E)

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

PROJECT NO. 09033
SCALE
DATE 5/18/10
DESIGN BY
DRAWN BY MML
CHECKED BY MCB

SHEET NO. 29
41 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1 (HB-1)	ROCK ISLAND	503	270
CONTRACT NO. 64815				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				