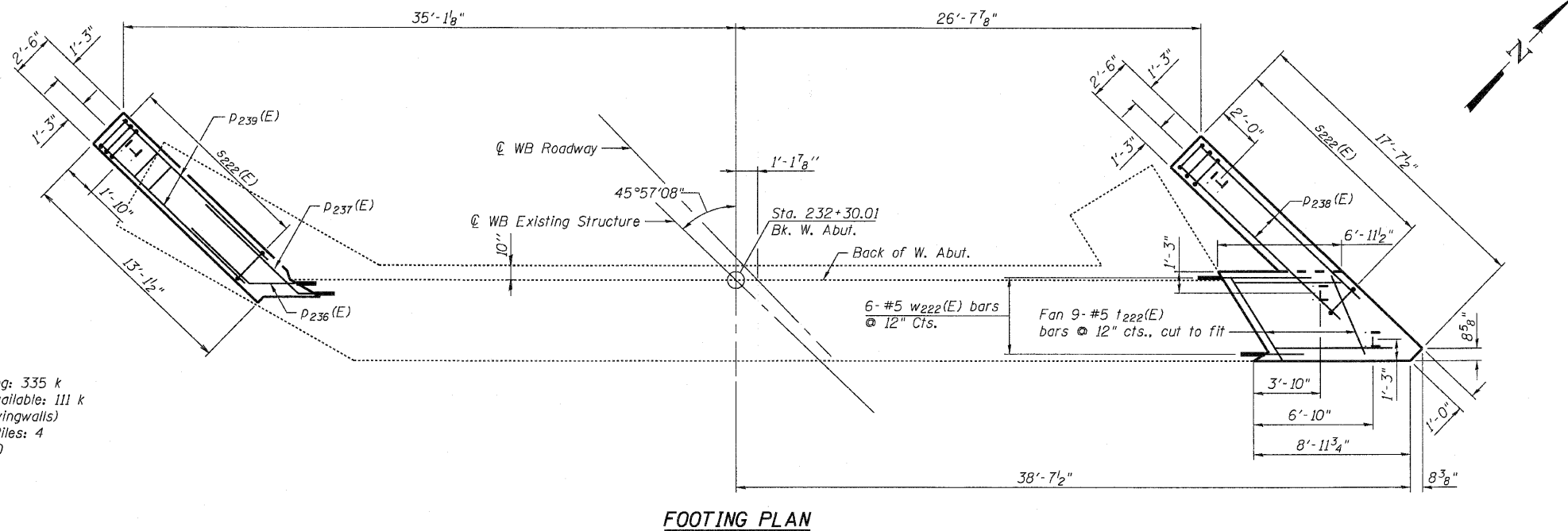


PLOT DATE = 7/21/2010
FILE NAME = 081-0019-0019-040-WB-WEEST-ABUT2.dgn
PLOT SCALE = 1/4" = 1'-0"
USER NAME = CTC

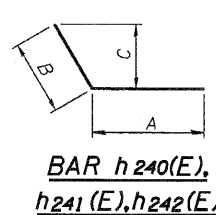
PILE DATA

Type: Steel HP 10x42
Nominal Required Bearing: 335 k
Allowable Resistance Available: 111 k
Est. Length: 39' (42' wingwalls)
Number of Production Piles: 4
Number of Test Piles: 0

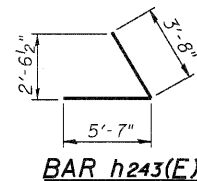


FOOTING PLAN

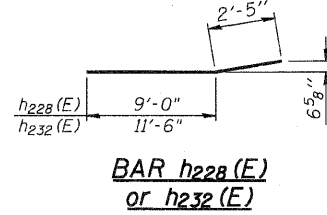
Bar	A	B	C
h240(E)	5'-7"	3'-8"	2'-6 1/2"
h241(E)	2'-8"	3'-8"	2'-6 1/2"
h242(E)	3'-11"	3'-8"	2'-6 1/2"



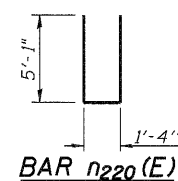
BAR h240(E),
h241(E), h242(E)



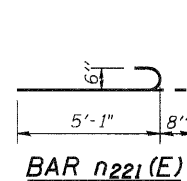
BAR h243(E)



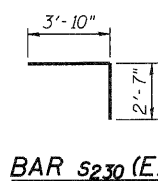
BAR h228(E)
or h232(E)



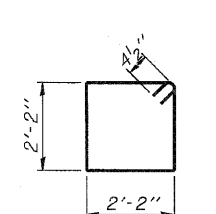
BAR n220(E)



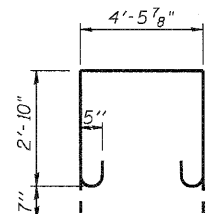
BAR n221(E)



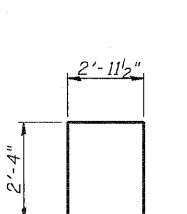
BAR s230(E)



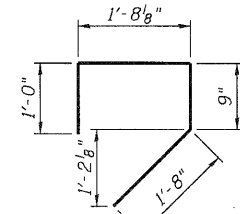
BARS s222(E)



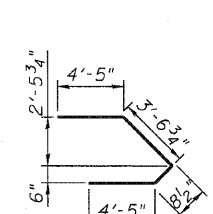
BAR s227(E)



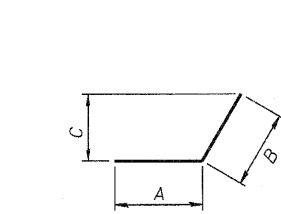
BAR s228(E)



BAR s229(E)

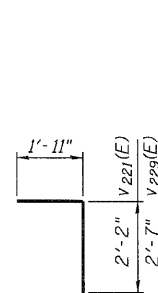


BAR u222(E)

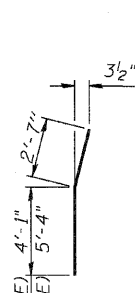


BAR p236(E) or p237(E)

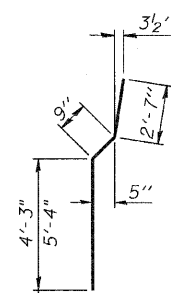
Bar	A	B	C
p236(E)	3'-9"	5'-10"	4'-1 1/2"
p237(E)	1'-5"	8'-2"	5'-9"



BAR v221(E)
or v229(E)



BAR v234(E)
or v237(E)



BAR v235(E) or
v238(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h225(E)	8	#5	4'-5"	
h227(E)	8	#4	12'-6"	
h228(E)	8	#4	11'-5"	
h229(E)	9	#4	12'-9"	
h232(E)	9	#4	13'-11"	
h237(E)	8	#6	31'-10"	
h238(E)	5	#5	9'-11"	
h239(E)	8	#5	7'-8"	
h240(E)	4	#5	9'-3"	
h241(E)	4	#5	8'-3"	
h242(E)	4	#5	7'-7"	
h243(E)	10	#5	9'-3"	
n220(E)	20	#6	11'-6"	
n221(E)	12	#6	5'-9"	
p223(E)	2	#4	5'-4"	
p225(E)	4	#7	8'-3"	
p234(E)	2	#4	8'-6"	
p235(E)	4	#7	8'-6"	
p236(E)	3	#7	9'-7"	
p237(E)	3	#7	9'-7"	
p238(E)	6	#7	13'-11"	
p239(E)	6	#7	12'-9"	
s222(E)	25	#4	9'-5"	
s227(E)	7	#5	12'-2"	
s228(E)	9	#5	7'-8"	
s229(E)	9	#5	5'-2"	
s230(E)	4	#5	6'-5"	
t221(E)	9	#5	7'-3"	
u222(E)	2	#6	13'-2"	
v221(E)	50	#5	4'-1"	
v229(E)	8	#5	4'-6"	
v230(E)	44	#5	1'-8"	
v231(E)	16	#5	6'-4"	
v232(E)	4	#5	7'-3"	
v233(E)	12	#6	7'-10"	
v234(E)	3	#6	6'-8"	
v235(E)	9	#6	7'-7"	
v236(E)	14	#6	9'-0"	
v237(E)	3	#6	7'-11"	
v238(E)	11	#6	8'-8"	
w222(E)	6	#5	10'-8"	
Reinforcement Bars, Epoxy Coated			Pound	3750
Concrete Structures			Cu. Yd.	21.9
Bar Splicers			Each	58
Furnishing Steel Piles HP 10x42			Feet	162
Driving Piles			Feet	162
Structure Excavation			Cu. Yd.	109
Concrete Encasement			Cu. Yd.	1.4
Concrete Sealer			Sq. Ft.	208.9

For details of Bar Splicers, see Sheet 48 of 55.
For details of Concrete Encasement, see Sheet 47 of 55.

Concrete sealer shall be applied to the exposed surfaces of the abutment cap and backwall.

WEST ABUTMENT WESTBOUND STRUCTURE STRUCTURE NO. 081-0019 (WB)

Work this Sheet with Sheets 39 and 41 of 55.

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

PROJECT NO. 09033
SCALE
DATE 6/4/2010
DESIGN BY BD/MCB
DRAWN BY TFG
CHECKED BY MCB

SHEET NO. 40
55 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1 (VB) R	ROCK ISLAND	503	226
CONTRACT NO. 64815				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				