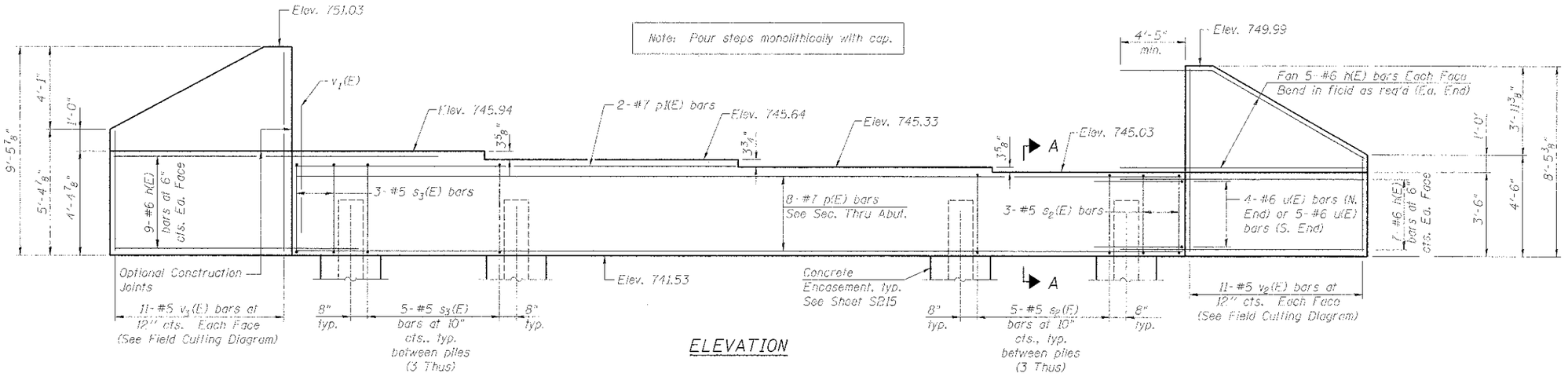
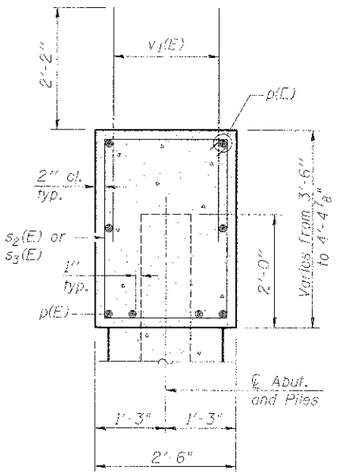
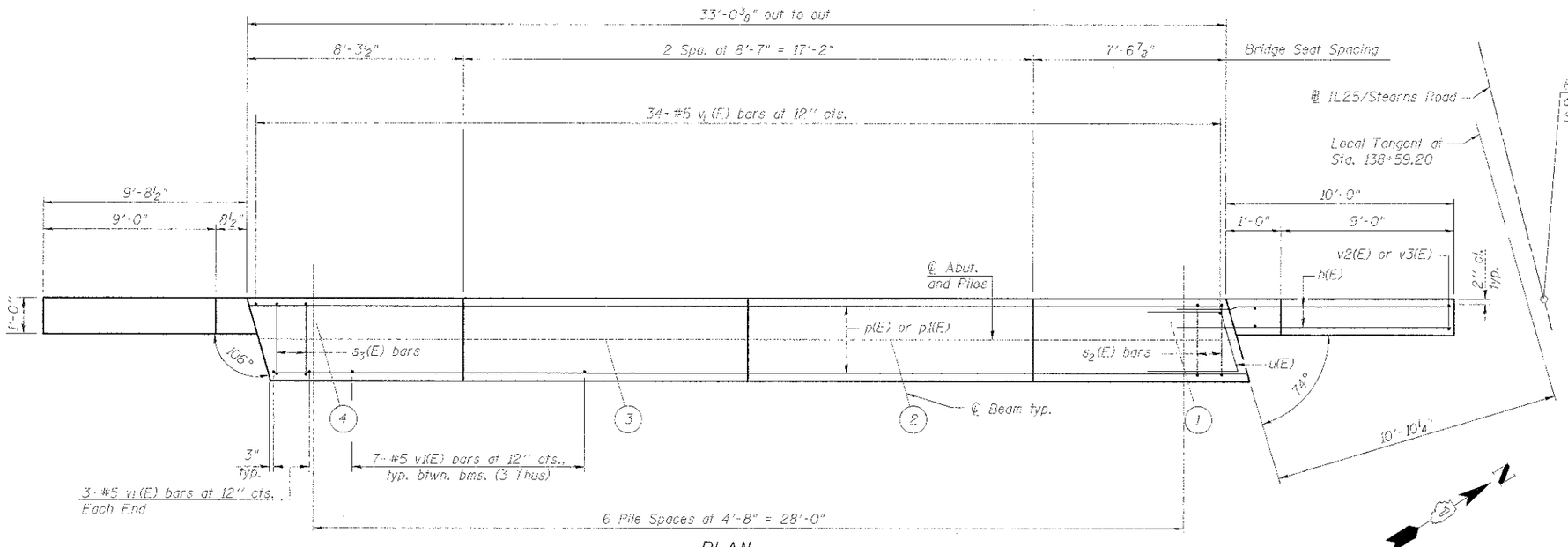


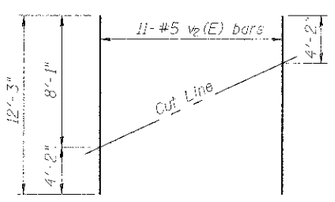
ELEVATION



SECTION A-A

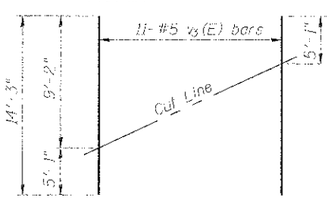


PLAN



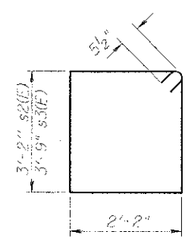
FIELD CUTTING DIAGRAM

Order v_2(E) full length. Cut as shown and use remainder of bars in opposite face.

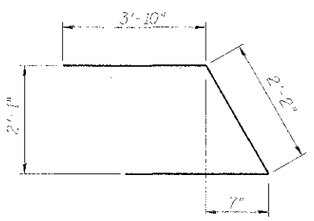


FIELD CUTTING DIAGRAM

Order v_3(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s2(E) & s3(E)



BAR u(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	52	#6	15'-3"	
p(E)	8	#7	32'-8"	
p1(E)	2	#7	15'-10"	
s2(E)	18	#5	11'-7"	
s3(E)	18	#5	12'-9"	
u(E)	9	#6	9'-10"	
v1(E)	61	#5	4'-4"	
v2(E)	11	#5	12'-3"	
v3(E)	11	#5	14'-3"	
Structure Excavation		Cu. Yd.	2	
Concrete Structures		Cu. Yd.	16.0	
Reinforcement Bars, Epoxy Coated		Pound	2,960	
Furnishing Steel Piles, HP12x53		Foot	444	
Driving Piles		Foot	444	
Test Pile, HP12x53		Each	1	
Pile Shoes		Each	7	
Concrete Encasement		Cu. Yd.	2.5	

For details of piles and Concrete Encasement, see sheet SB15.

PILE DATA

Type: HP 12x53 w/ Pile Shoes
Nominal Required Bearing: 291 kips
Factored Resistance Available: 160 kips
Est. Length: 74 Feet
No. Production Piles: 6
No. Test Piles: 1

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312-565-0450
Job No. 10074

FILE NAME = 045-2033-013-wabut.dgn	USER NAME = mgerman	DESIGNED - MFH	REVISED -
		CHECKED - AJK	REVISED -
	PLOT SCALE =	DRAWN - RMG	REVISED -
	PLOT DATE = 12/13/2012	CHECKED - AJK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT PLAN AND ELEVATION
IL 25/STEARNS RD EB OVER BREWSTER CREEK STRUCTURE NO. 045-2033
SHEET NO. SB13 OF SB19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-18-RP	KANE	451	328
		CONTRACT NO. 63598		
	ILLINOIS FED. AID PROJECT			

12/13/2012 2:34:51 PM x:\10000s\10074\Engineering Documents\Phase II\SN_045_2033_Brewster_Creek\Plans\24520033-013-wabut.dgn