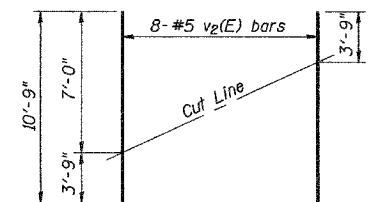
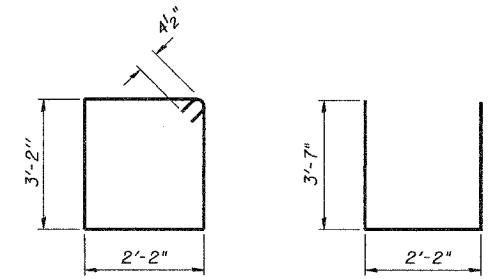


BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
h(E)	40	#5	9'-8"		
p(E)	7	#7	18'-9"		
p1(E)	7	#7	23'-9"		
s2(E)	36	#4	11'-5"		
u(E)	8	#6	9'-4"		
v1(E)	77	#5	4'-4"		
v2(E)	16	#5	10'-9"		
Concrete Structures				Cu. Yd.	17.9
Reinforcement Bars, Epoxy Coated				Pound	1930
Structure Excavation				Cu. Yd.	60
Concrete Encasement				Cu. Yd.	2.1
Furnishing Steel					
Piles, HP12x74				Foot	174
Pile Shoes				Each	6
Driving Piles				Foot	174



Notes:
Four steps monolithically with cap.

PILE DATA

Type:	HP 12x74 w/ Pile Shoes
Nominal Required Bearing:	456 kips
Allowable Resistance Available:	152 kips
Est. Length:	29'-0"
No. Production Piles:	6
No. Test Piles:	0

COLLINS ENGINEERS
123 N. WACKER DR., SUITE 300
CHICAGO, IL 60606
(312) 704-9300
ILLINOIS PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-009933

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US ROUTE 52 (STATE STREET)
OVER PRAIRIE CREEK
FAP RTE. 852 SEC. 18B-5-R
WILL COUNTY
STA. 1008+00.00 STRUCTURE NO. 099-4643
SOUTH ABUTMENT DETAILS
DRAWN BY: KAC
CHECKED BY: JMH/DGS
DATE: OCTOBER, 2004

FILE: g:\3760\FINAL_PLANS\37600117.dgn
DATE: 15-Jul-04 08:12