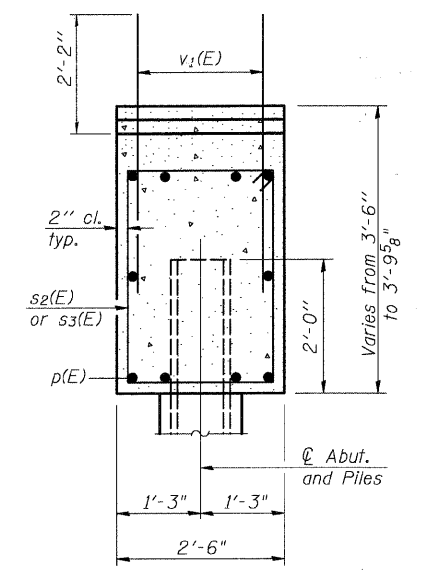
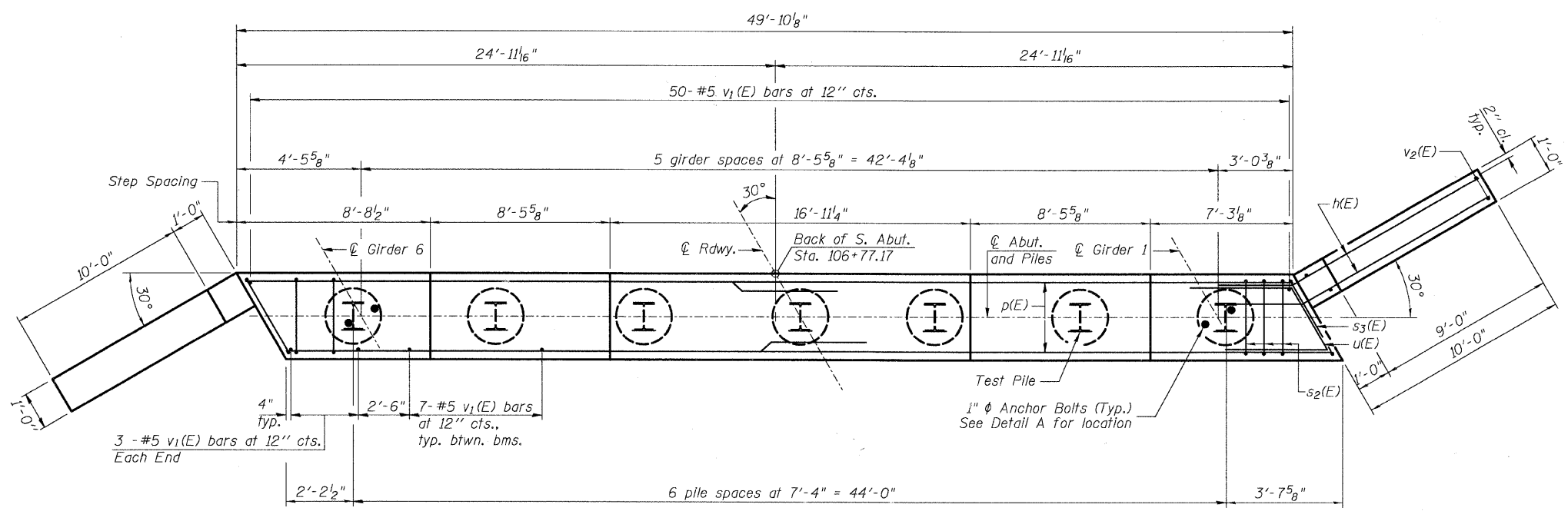


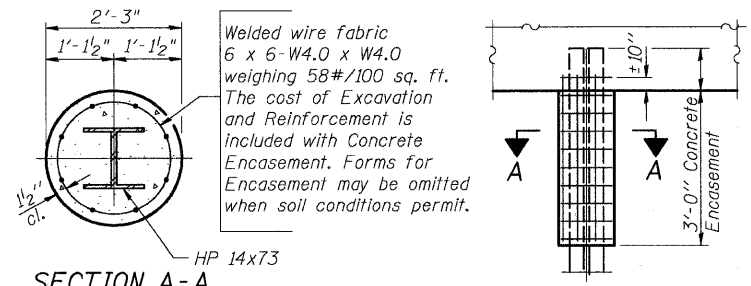
ELEVATION
(Looking South)



SEC. THRU ABUT.



PLAN

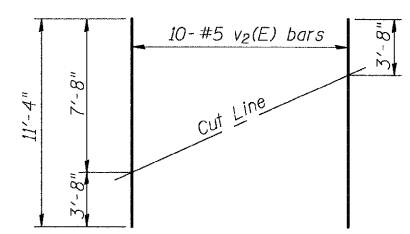


SECTION A-A
PILE ENCASEMENT DETAIL

PILE DATA

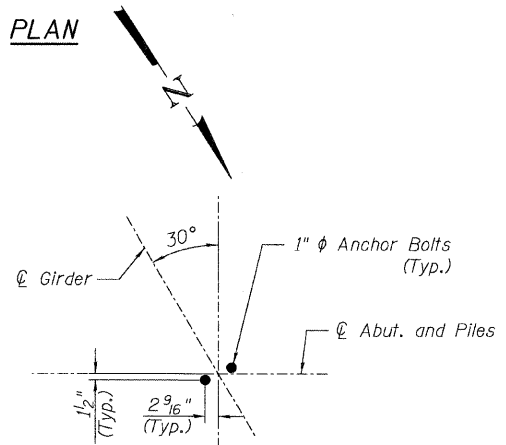
Type & Size: Refusal Steel HP 14x73 with Pile Shoes
 Nominal Required Bearing: 577.8 kips
 Allowable Resistance Available: 192.6 kips
 Est. Length: 61 ft.
 No. Required: 6 plus one (1) Test Pile

Notes: The steel H-piles shall be according to AASHTO M270 Grade 50.

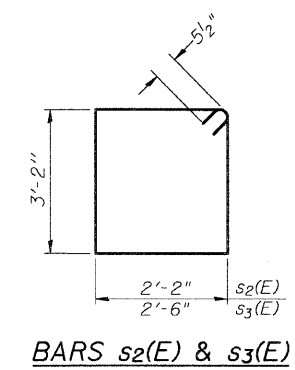


FIELD CUTTING DIAGRAM

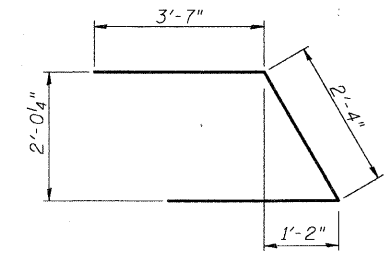
Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



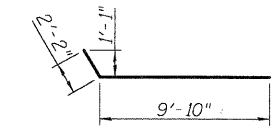
DETAIL A



BARS s2(E) & s3(E)



BAR u(E)



BAR h(E)

Notes: Four steps monolithically with cap. Reinforcement bars designated (E) shall be epoxy coated.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	52	#5	12'-0"	
p(E)	10	#7	49'-6"	
s2(E)	48	#5	11'-7"	
s3(E)	2	#5	12'-3"	
u(E)	8	#6	9'-6"	
v1(E)	91	#5	4'-4"	
v2(E)	20	#5	11'-4"	
Concrete Structures		Cu. Yd.	21.4	
Reinforcement Bars, Epoxy Coated		Pound	3,030	
Structure Excavation		Cu. Yd.	172	
Furnishing Steel Piles HP 14x73		Foot	366	
Driving Piles		Foot	366	
Pile Shoes		Each	7	
Test Pile HP 14x73		Each	1	

DESIGNED	KMA
CHECKED	AEU
DRAWN	WJH
CHECKED	RGD

WILL COUNTY DEPARTMENT OF HIGHWAYS

SOUTH ABUTMENT DETAILS
 CEDAR ROAD OVER
 JACKSON CREEK
 WILL COUNTY
 SECTION NO. 01-00056-15-BR
 STRUCTURE NO. 099-3381

DATE 4-10-2009

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COMPANY NAME: SEC GROUP, INC.
 PROJECT: CEDAR ROAD OVER JACKSON CREEK
 CLIENT: COUNTY OF WILL
 DATE: 04/10/09 09:28:43 AM