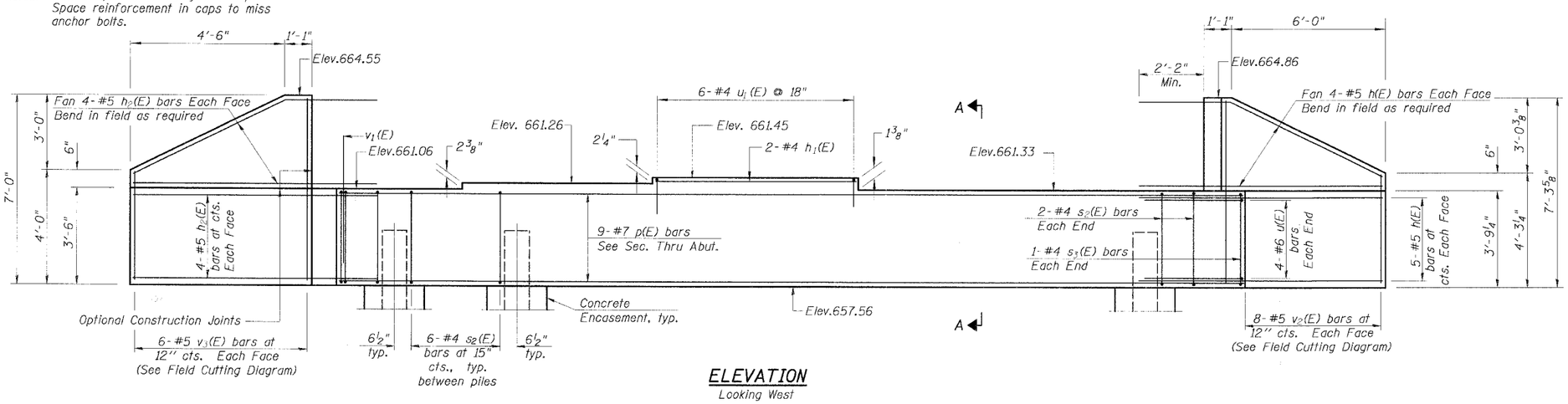
Notes: Pour steps monolithically with cap.
Space reinforcement in caps to miss anchor bolts.

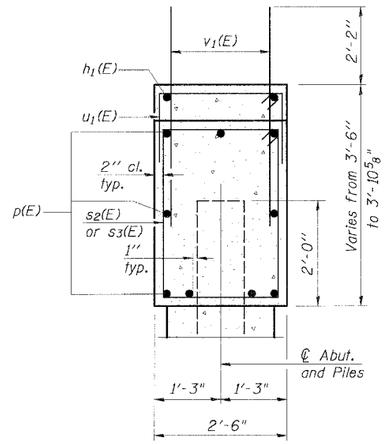
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 83	03-00019-00-BR	DUPAGE	35	COUNTY
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT -		

SHEET NO. 23
35 SHEETS

Contract #83965



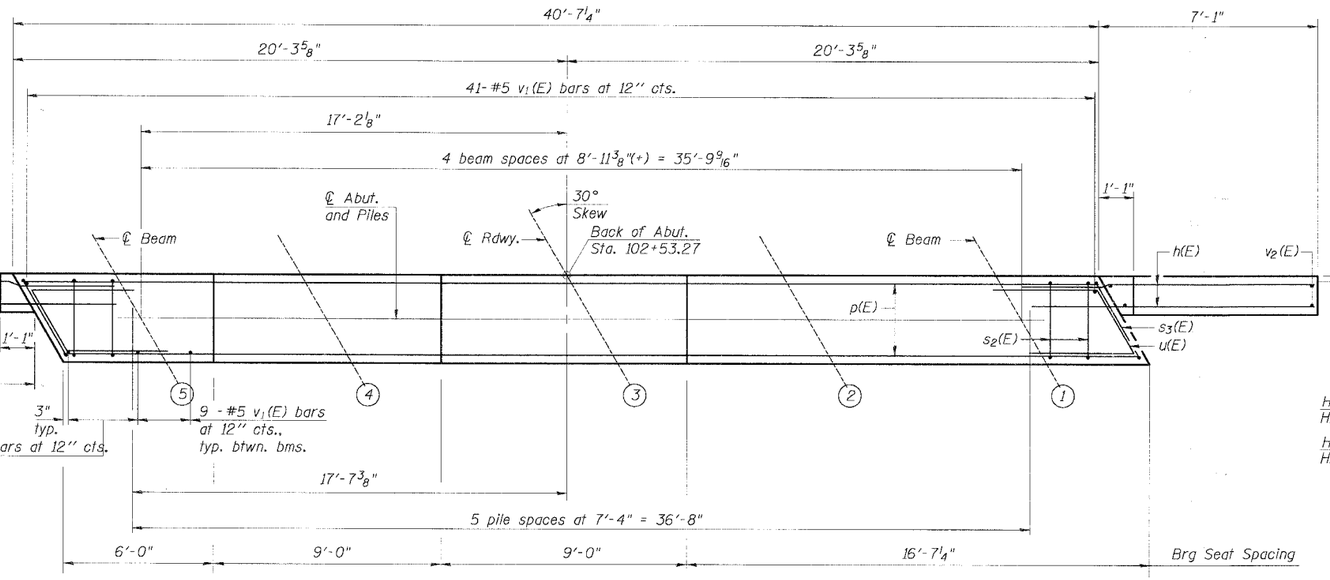
ELEVATION
Looking West



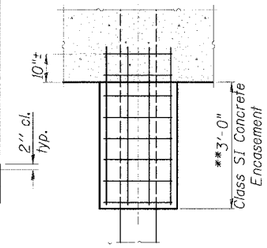
SECTION A-A

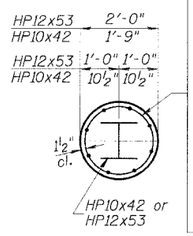
PILE DATA

Type: Steel HP10x42 with Pile Shoes
Nominal Required Brg.: 335 kip
Factored Resistance Available: 168 kip
Est. Length: 56'
No. of Production Piles: 5
No. of Test Piles: 1



PLAN



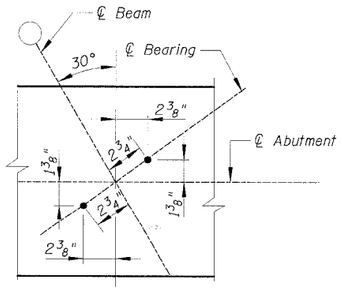


Welded wire fabric 6X6-W4.0xW4.0 weighing 58#/100 sq. ft. The cost of Excavation, Concrete Encasement and Reinforcement is included with furnishing piles. Forms for encasement may be omitted when soil conditions will permit.

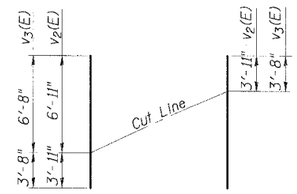
PILE ENCASEMENT DETAIL

BILL OF MATERIAL

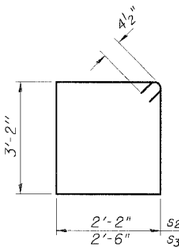
Bar	No.	Size	Length	Shape
h(E)	18	#5	9'-9"	
h_1(E)	2	#4	8'-6"	
h_2(E)	16	#5	8'-6"	
p(E)	9	#7	40'-3"	
s_2(E)	34	#4	11'-5"	
s_3(E)	2	#4	12'-1"	
u(E)	8	#6	8'-0"	
u_1(E)	6	#4	3'-8"	
v_1(E)	81	#5	4'-4"	
v_2(E)	8	#5	10'-10"	
v_3(E)	6	#5	10'-4"	
Structure Excavation			Cu. Yd.	90
Concrete Structures			Cu. Yd.	16.6
Reinforcement Bars, Epoxy Coated			Pound	1980
Furnishing SteelPiles, HP 10 x 42			Foot	280
Driving Piles			Foot	280
Test Pile,			Each	1
Pile Shoes			Each	5



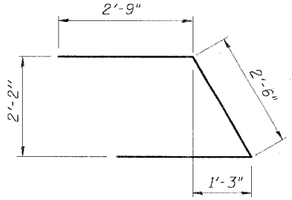
ANCHOR BOLT LAYOUT



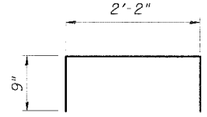
FIELD CUTTING DIAGRAM V_2(E) & v_3(E)
Order v_2(E) and v_3(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s_2(E) & s_3(E)



BAR u(E)



BAR u_1(E)

WEST ABUTMENT PLAN AND ELEVATION

TIMBER EDGE DRIVE OVER SALT CREEK
DuPAGE COUNTY
F.A. ROUTE 7. SEC. 03-00019-00-BR
STATION 103+31.33
STRUCTURE NO. 022-6000

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018

REVISIONS NAME	DATE

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

DESIGNED BY: PROJECT NO:
DRAWN BY: TJR DATE: 8/24/2007
CHECKED BY: JH
APPROVED BY:
ACTIVITY: PATHS

DRAWING NUMBER
S-11

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