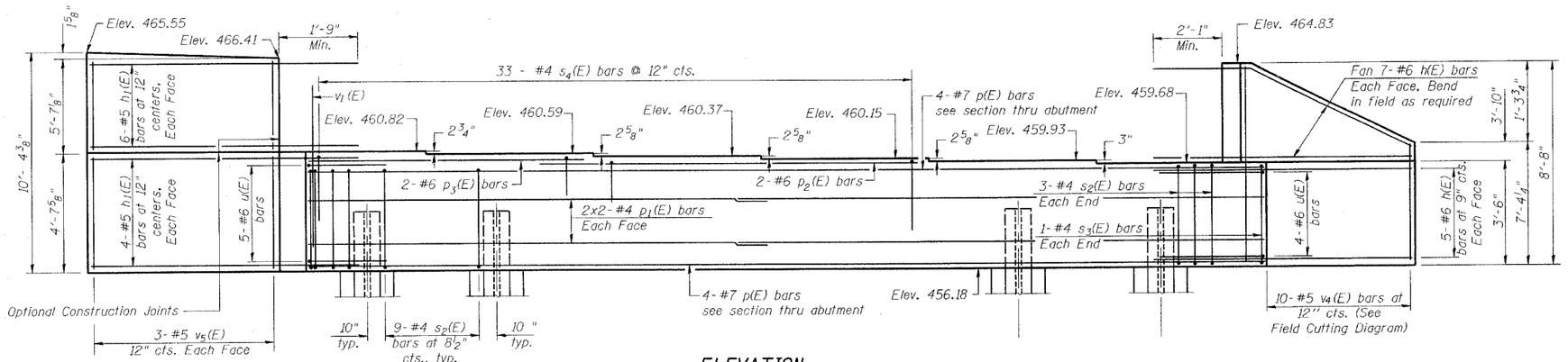
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 805	147BR	ST. CLAIR	52	36
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

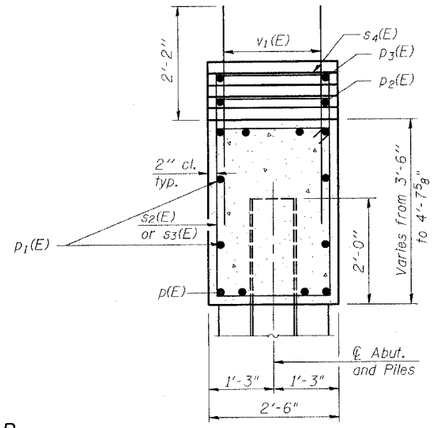
SHEET NO. 16
24 SHEETS

Contract No. 76393

SEC. THRU ABUT.



ELEVATION
(Looking South)



SEC. THRU ABUT.

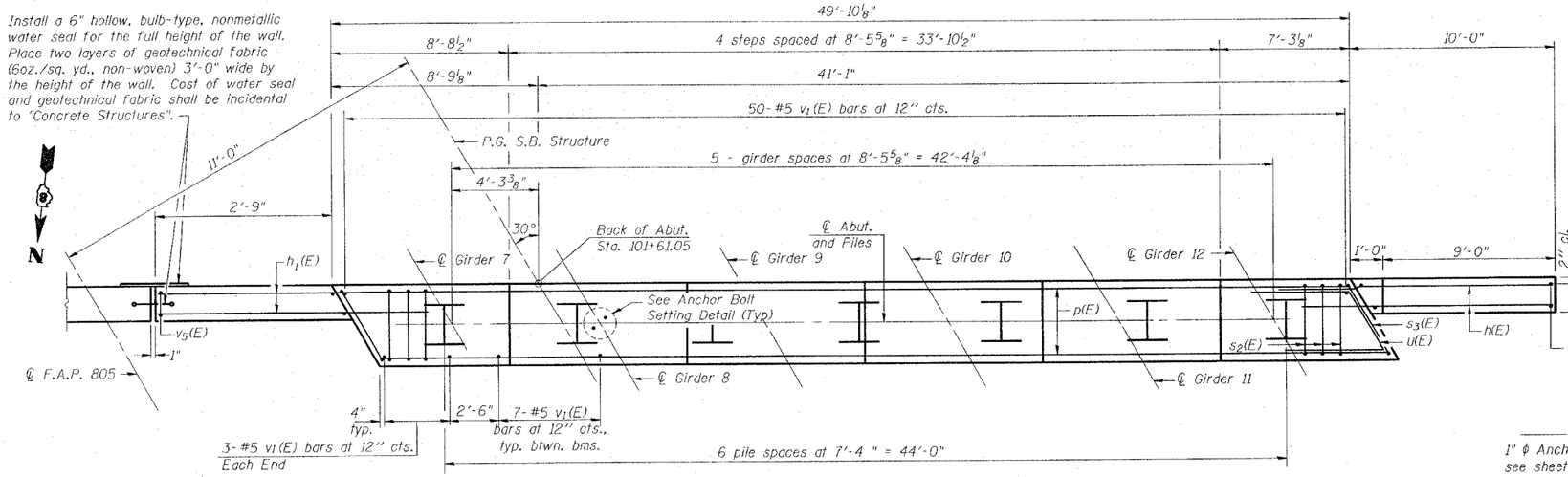
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	24	#6	12'-0"	
h1(E)	20	#5	4'-5"	
p(E)	8	#7	49'-6"	
p1(E)	8	#4	25'-8"	
p2(E)	2	#6	17'-0"	
p3(E)	2	#6	15'-4"	
s2(E)	60	#4	11'-5"	
s3(E)	2	#4	12'-1"	
s4(E)	33	#4	6'-2"	
u(E)	9	#6	9'-6"	
v1(E)	91	#5	4'-4"	
v4(E)	10	#5	15'-3"	
v5(E)	6	#5	9'-10"	
Concrete Structures		Cu. Yd.	22.7	
Reinforcement Bars, Epoxy Coated		Pound	2940	
Structure Excavation		Cu. Yd.	184	
Steel Piles HP 14x73		Ln. Ft.	510	
Test Pile HP 14x73		Each	1	

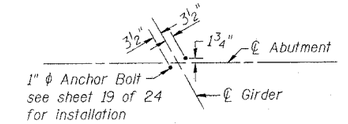
MIN. BAR LAP
#4 Bars 1'-10"

PILE DATA
Type: HP 14x73
Capacity: Drive to Refusal
Est. Length: 85'
No. Required: 6+1 Test Pile

Install a 6" hollow, bulb-type, nonmetallic water seal for the full height of the wall. Place two layers of geotechnical fabric (6oz./sq. yd., non-woven) 3'-0" wide by the height of the wall. Cost of water seal and geotechnical fabric shall be incidental to "Concrete Structures".



PLAN



ANCHOR BOLT SETTING DETAIL

Notes:

Pour steps monolithically with cap.

Reinforcement bars designated (E) shall be epoxy coated.

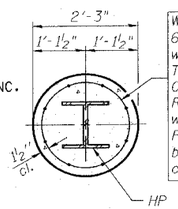
Space reinforcement in cap to miss anchor bolts.

Bars designated thus 2x2-#4 etc. indicates 2 lines of bars with 2 lengths per line

THOUVENOT, WADE & MOERCHEN, INC.

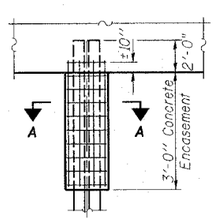
TWM

DESIGNED -	ALN, BWP
CHECKED -	ALN, BWP
DRAWN -	JMT, DEH
CHECKED -	ALN, BWP

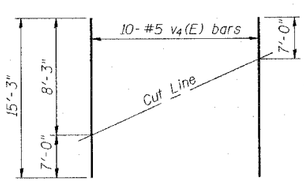


Welded wire fabric 6 x 6-W4.0 x W4.0 weighing 58#/100 sq. ft. The cost of Excavation, Concrete Encasement and Reinforcement is included with Furnishing Piles. Forms for Encasement may be omitted when soil conditions permit.

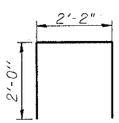
SECTION A-A



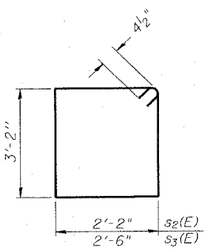
TYPICAL HP PILE ENCASEMENT DETAIL



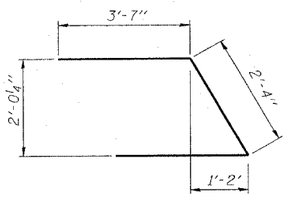
FIELD CUTTING DIAGRAM
Order v4(E) full length. Cut as shown and use half of bars in each face.



BAR S4(E)



BARS s2(E) & s3(E)



BAR u(E)

ILLINOIS ROUTE 161 OVER
TRIBUTARY TO SCHOENBERGER CREEK
F.A.P. ROUTE 805 - SECTION 147BR
ST. CLAIR COUNTY
STATION 101+03.82
STRUCTURE NO. 082-0102 (N.B.)
STRUCTURE NO. 082-0103 (S.B.)

SB STRUCTURE, SOUTH ABUTMENT

FILE LOCATION: $FILE$ DATE: $DATE$ TIME: $TIME$ PLOTTED BY: $USER$