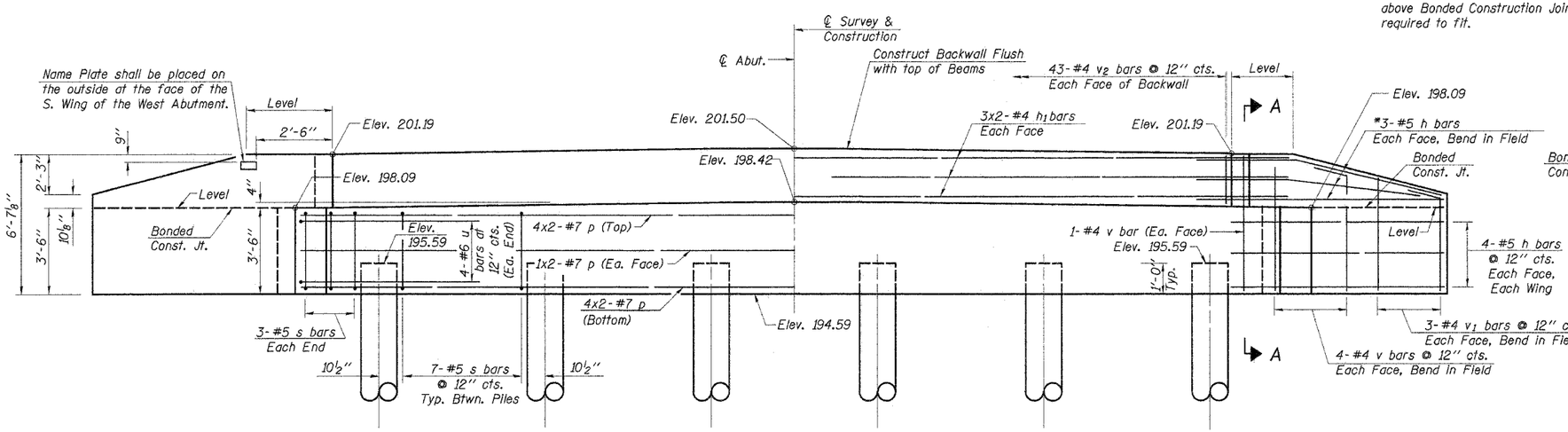
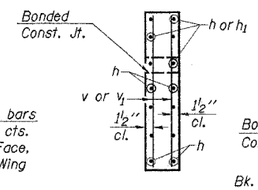
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 159	01-11126 -00-BR	IROQUOIS	23	9
DOUGLAS ROAD DIST.	ILLINOIS	BROS-075(128)		

CONTRACT NO. 87300

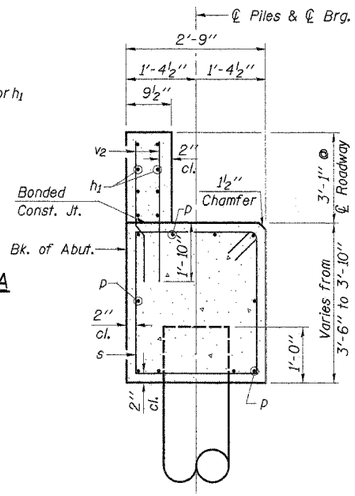
*Cut h bars in Front Face of Wingwall, above Bonded Construction Joint, as required to fit.



ELEVATION

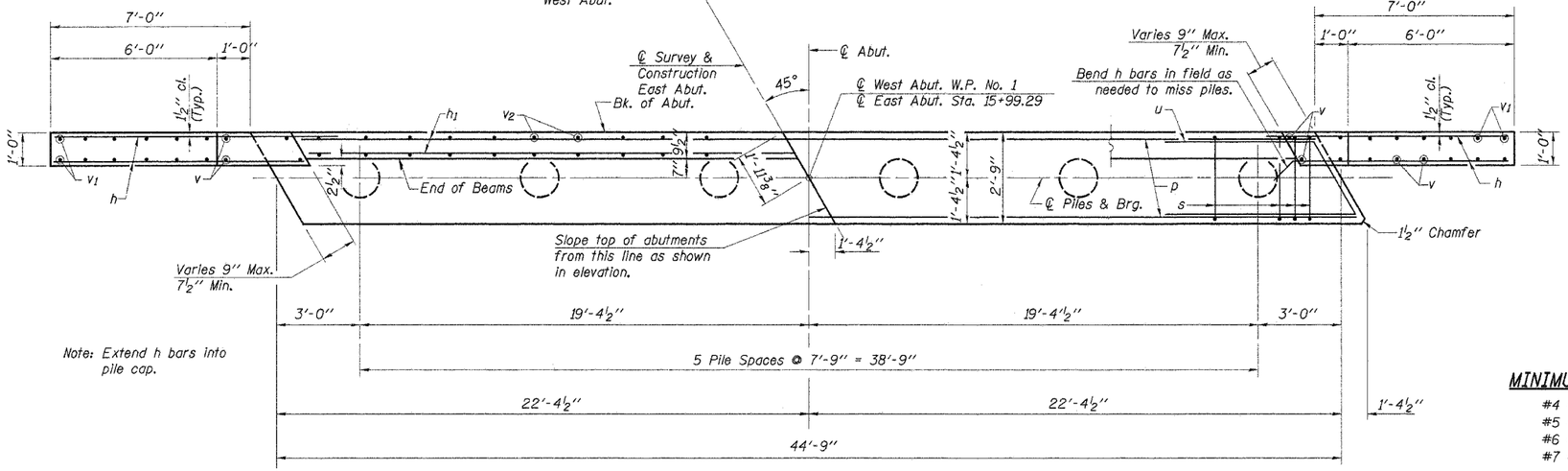


SECTION A-A



SECTION THRU ABUT.
(at Rt. L's)

Note: The backwall and the portions of the wingwalls above the Bonded Construction Joint shall be poured before the beams are in place.



Note: Extend h bars into pile cap.

PLAN

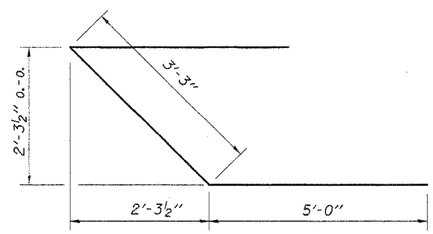
TWO ABUTMENTS BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	56	#5	8'-9"	
h1	24	#4	23'-0"	
p	40	#7	23'-7"	
s	82	#5	12'-1"	
u	16	#6	13'-3"	
v	40	#4	6'-2"	
v1	24	#4	4'-11"	
v2	172	#4	4'-9"	
Concrete Structures			Cu. Yd.	47.0
Reinforcement Bars			Pound	4970
Name Plates			Each	1
Test Pile Metal Shells			Each	2
Metal Shell Piles 14"			Foot	705

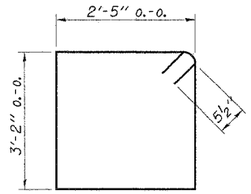
See Sheet 12 for Pile Details

MINIMUN BAR LAP

#4 = 1'-4"
#5 = 1'-8"
#6 = 2'-0"
#7 = 2'-9"



BAR u



BAR s

PILE DATA

Type & Size.....Metal Shell - 14 in. Dia. x 0.250 in. walls
No. Req'd. (2 Abuts.).....*12
Nominal Required Bearing.....300 kips
Allowable Resistance Available.....100 kips
Estimated Length.....75 ft. West Abutment
66 ft. East Abutment

*Includes 1 Test Pile to be driven in a permanent location at each abutment.

The test piles shall be driven to 110 percent of the Nominal Required Bearing indicated above.

DESIGNED	P.S.L.
CHECKED	S.F.M.
DRAWN	S.A.P. & J.P.S.
CHECKED	S.F.M.

ABUTMENTS

SECTION 01-11126-00-BR
DOUGLAS ROAD DISTRICT
IROQUOIS COUNTY
STATION 14+69.94

4440 ASH GROVE
SPRINGFIELD, IL. 62711
(217) 793-8600
www.fehr-graham.com

FEHR-GRAHAM & ASSOCIATES, LLC
ENGINEERING AND SCIENCE CONSULTANTS
PRINCEVILLE, IL. ROCKFORD, IL. ROCHELLE, IL. EVANSVILLE, IND. SPRINGFIELD, IL.

JOB NO.: 46815
FILE: 0228ABUT.DGN
DATE: 12/08/06