ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 646	(102)BR-2	WHITESIDE	69	49
CONTRACT #64427				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO.

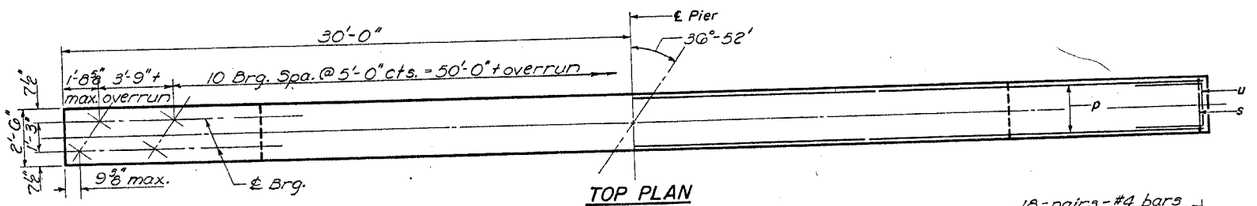
SHEETS

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

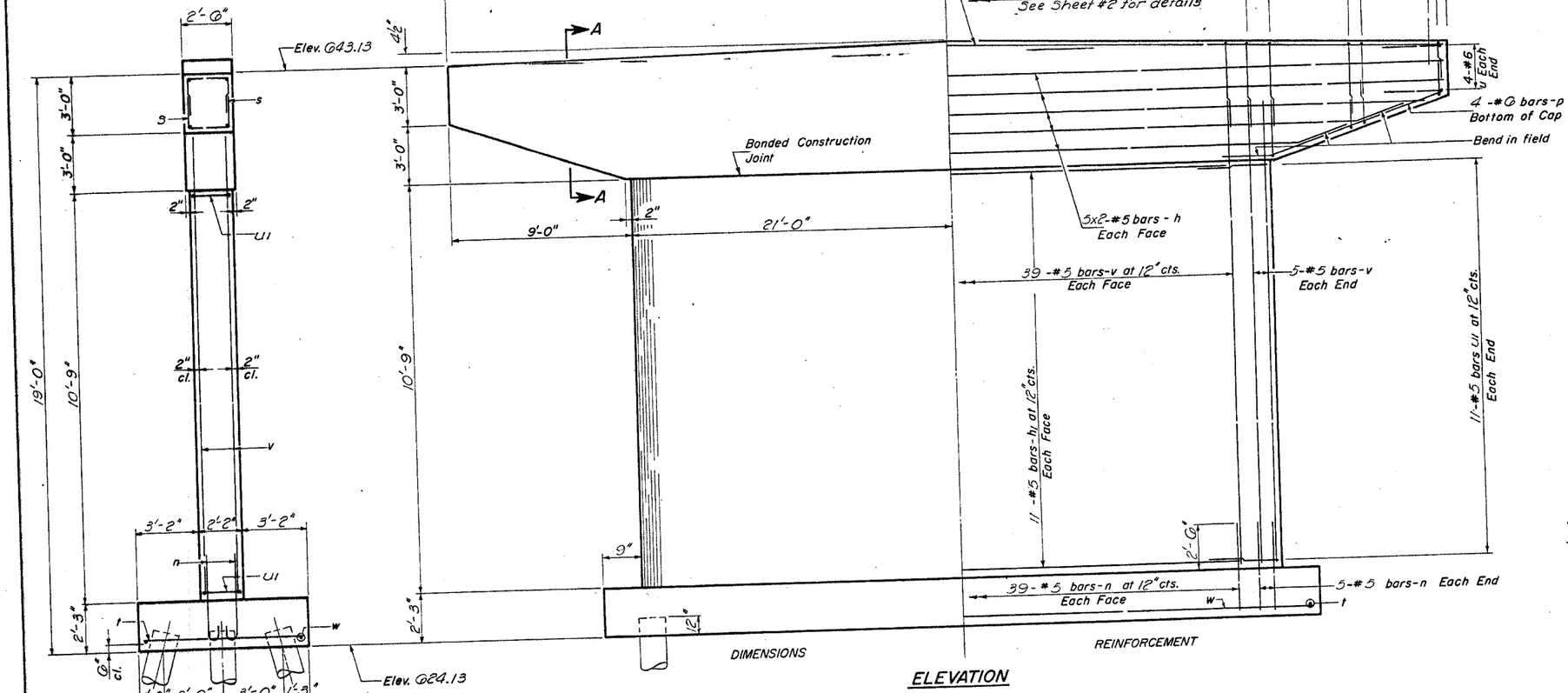
PILE DATA

Type Untreated
Capacity 20 Ton
Est. Length 30'(P-1) 35'(P-2)
No. Req'd. 39 (P-1)
38 + 1 test pile (P-2)

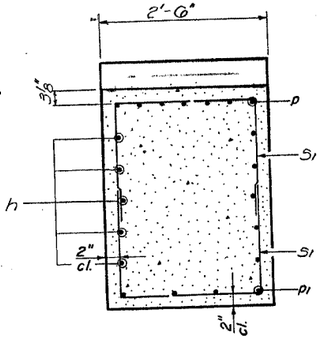
Note:
Space reinforcement in cap to miss anchor bolts.
Minimum bar laps = 24 dia. unless otherwise noted.
All edges shall have standard ¾" chamfers except as noted.
Pour steps monolithically with cap.



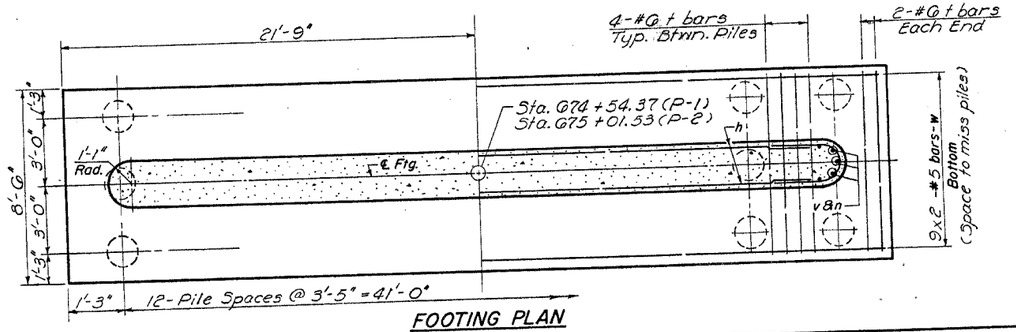
TOP PLAN



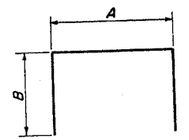
ELEVATION



SECTION A-A



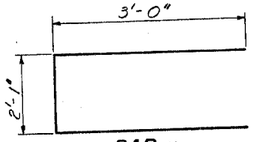
FOOTING PLAN



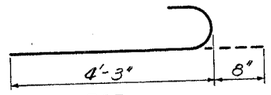
A & B DIMENSIONS

Bar	A	B
s	2'-2"	2'-9"
s	2'-2"	3'-0"

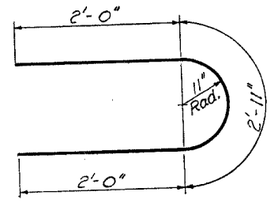
BARS s



BAR u



BAR n



BAR u1

2 PIERS
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n				
h	40	#5	30'-0"	—
h1	44	#5	29'-9"	—
n	176	#5	4'-11"	⊃
p	14	#11	59'-9"	—
p1	10	#6	10'-6"	—
s	64	#4	7'-8"	⊓
s1	164	#4	9'-2"	⊓
t	52	#6	8'-3"	—
u	10	#6	8'-1"	⊏
u1	44	#5	6'-11"	⊂
v	176	#5	14'-6"	—
w	36	#5	21'-6	—
Class X Concrete		Cu. Yds.	197.0	
Reinforcement Bars		Lbs.	14620	
Untreated Piles (1 to 16)		Lin. Ft	1170	
Untreated Piles (31 to 45)		Lin. Ft	1330	
Test Pile (Timber)		Ea.	1	

DESIGNED	Stanley Thos. Engr. Lic.
CHECKED	R. W. Walton jacobs
DRAWN	G. Ritchie
CHECKED	R. W. Walton

EXAMINED May 13 1970
PASSED W. C. Baumann ENGINEER OF DESIGN
APPROVED Richard H. Hotterman CHIEF HIGHWAY ENGINEER

P-10; ⅛ = 2.0 5-20-68

PIERS
S.B.I. RT. 88 SEC. 102 BR
WHITESIDE COUNTY
STA. 674 + 78