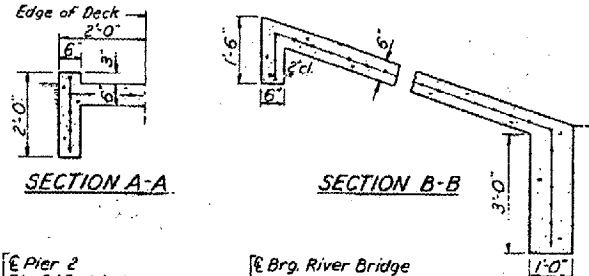
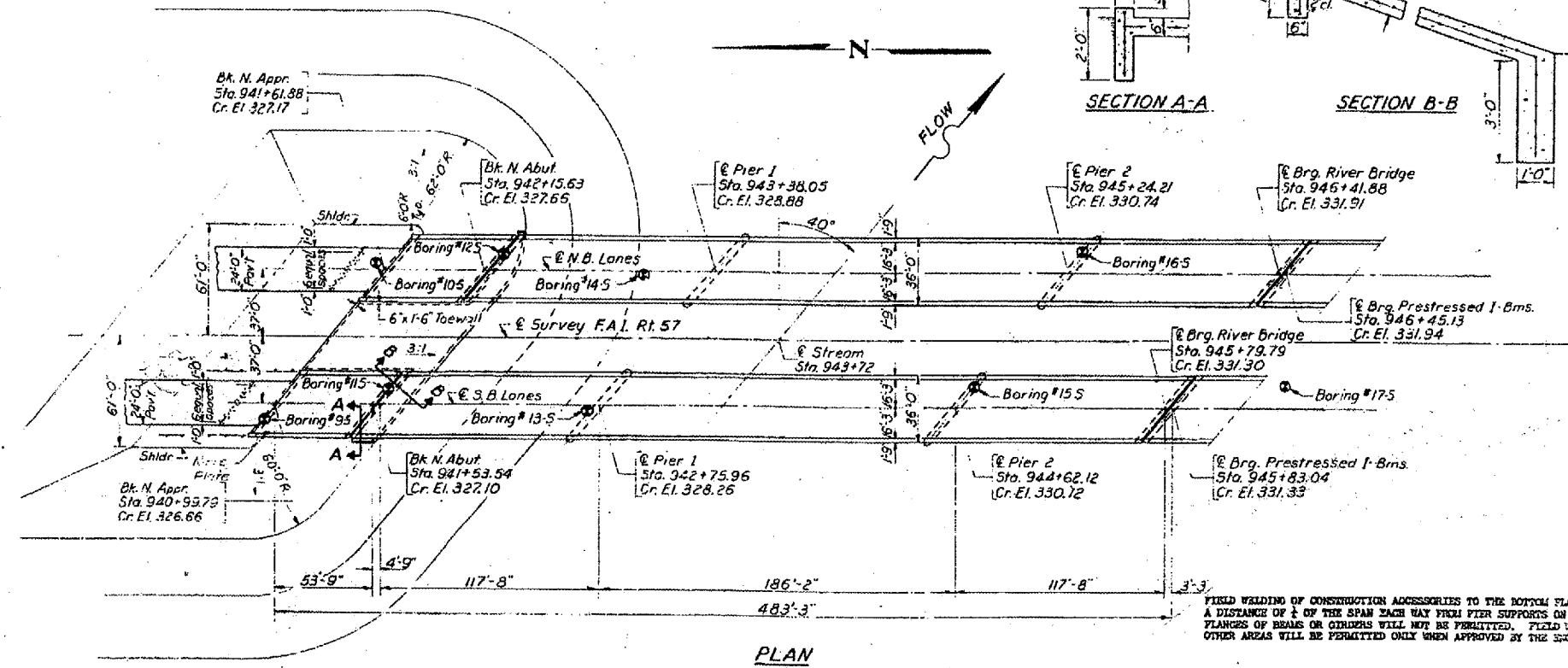


ELEVATION



SECTION A-A

SECTION B-B



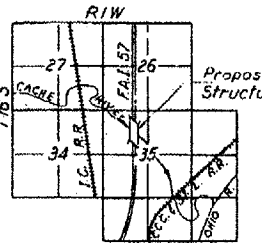
PLAN

WATERWAY INFORMATION

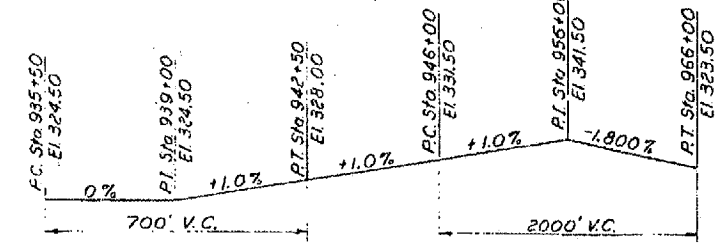
Drainage Area 7850 Acres
Character Level, Wooded & Cultivated
Required Opening (50 Yr.) 432 Sq. Ft.
Present Opening (900' D'nstr.) 480 Sq. Ft.
Proposed Opening 2658 Sq. Ft.
Ordinary Water El. 293.4
Backwater El. 320.3

DESIGN STRESSES

$f_c = 1400$ psi. (Super & Sub)
 $f_s = 20,000$ psi. (Reinf.)
 $f_s = 20,000$ psi. (Struct.)
 $v_c = 75$ psi.
 $n = 10$
Allowable $\Delta = L/1000$ non-composite
PRECAST PRESTRESSED BEAMS
 $f_c = 5000$ psi.
 $f_{ci} = 4000$ psi.
 $f_s = 248,000$ psi. (Strands)
 $f_{si} = 173,600$ psi. (Strands)
LOADING HS 20-44 & ALT



LOCATION PLAN



PROFILE F.A.I. RT. 57

Sept. 22 1966
EXAMINED
PASSED
APPROVED

TOTAL BILL OF MATERIAL

Item	Unit	Super.	Sub.	Total
Class A Excavation for Structures	Cu. Yds.		1080	1060
Class B Excavation for Structures	Cu. Yds.		1530	1530
Precast Prestressed Concrete I-Bms 48	Lin. Ft.	2807		2807
Class A Concrete	Cu. Yds.		908.5	908.5
Class X Concrete	Cu. Yds.	1780.4	1346.2	3126.6
Structural Steel	Lbs.	1,152,460		1,152,460
Aluminum Handrail	Lin. Ft.	2800		2800
Reinforcement Bars	Lbs.	472,840	133,210	606,050
Creasated Piles	Lin. Ft.		17,066	17,066
Test Piles (Timber)	Each		10	10
Concrete Piles	Lin. Ft.		5366	5366
Test Piles (Concrete)	Each		3	3
Name Plates	Each	1		1
Slopedwall (6")	Sq. Yds.		610	610
Bridge Seat Sealant	Lbs.		1	1
Protective Coat	Sq. Yds.	6360		6360

BRIDGES NO. 1 AND NO. 2
002-0003 002-0004
FOR INFORMATION ONLY

PROJ. 1-57-1 (88)4
GENERAL PLAN & ELEVATION
F.A.I. RT. 57 SEC. 02-1B
ALEXANDER COUNTY
STA. 943+72