

B.M. #30 - R.R. Spike in SE Root
28' Cypress - 250' RT Sta.
253126 Elev. 340.12

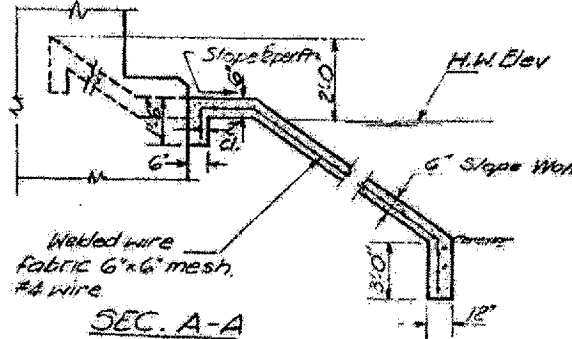
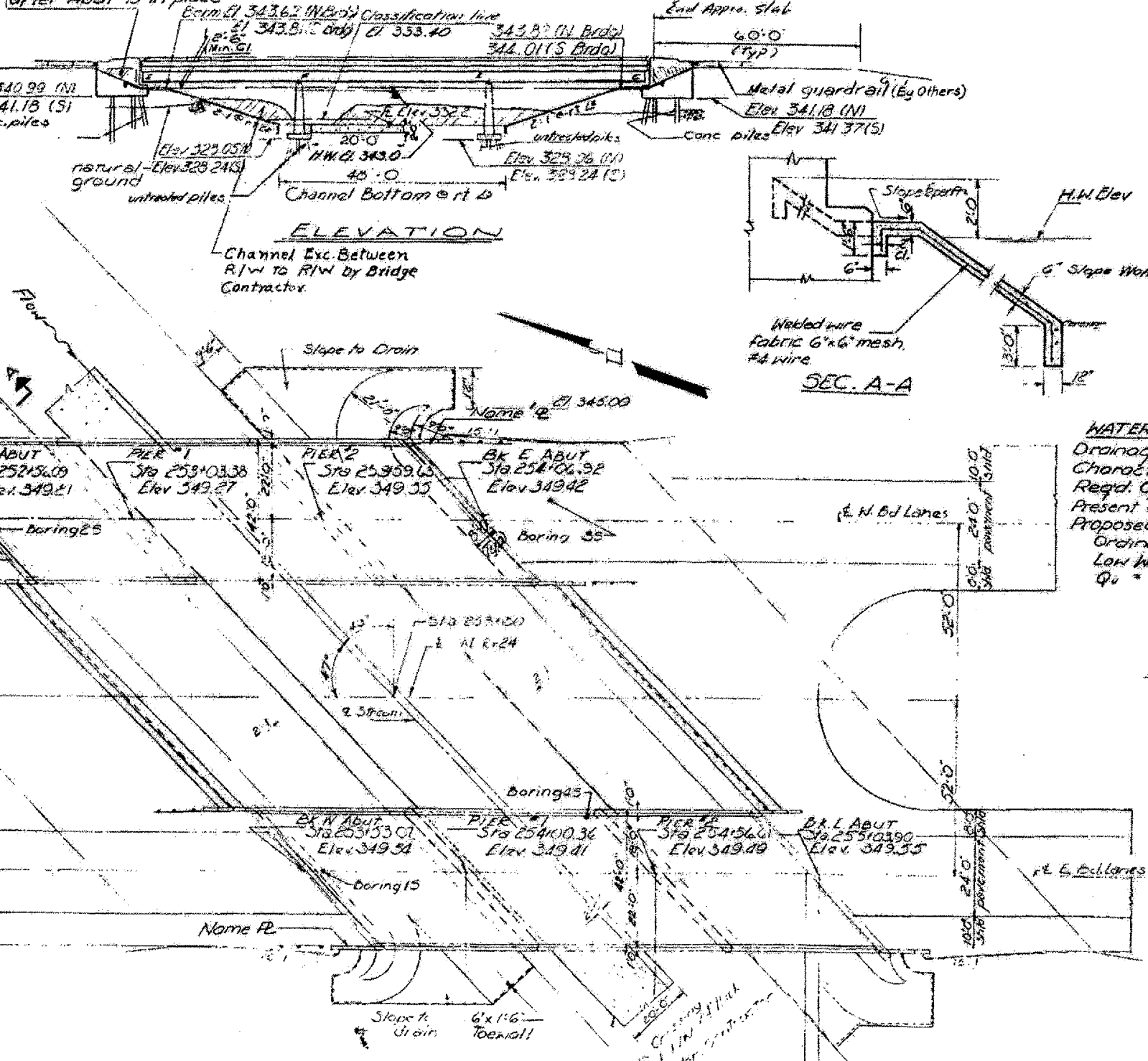
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

VARIOUS ROUTES
VARIOUS COUNTIES
D-9 BRIDGE PAINTING FY 06-1
SHEET 14 OF 48
CONTRACT 98941

This portion of Embankment
backfill by Bridge Contractor
after Abut 15 in place.

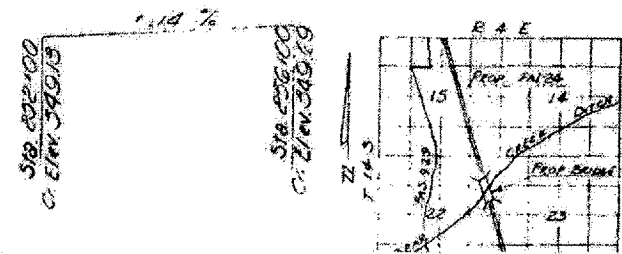
STATION 253180
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 24 SEC. 64-1B-1
F.A. PROJ. 1-24-1141
LOADING HS20FAH

NAME PLATE
See Std 2113-1



WATERWAY INFORMATION
Drainage Area - 11,372 acres
Character - rolling, wooded
Regd. Opening (50yr Fl) 700 sq. ft
Present Opening - none
Proposed Opening - 700 sq. ft
Ordinary Flow - Elev. 332.7
Low Water Flow - Elev. 332.4
Q₁₀ = 3560 cfs

F.A.I. RT. 24 PROFILE



TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Class B Excav for Cr	Cu Yds		470	470
Structural Steel	LS	1		1
Bridge Seat Sealant	L.S.		2.5	2.5
Class A Concrete	Cu Yds		522.5	522.5
Class X Concrete	Cu Yds	378.6	514.0	892.6
Aluminum Rolling	Lin Ft	586		586
Reinforcement Bars	Lbs		345.80	345.80
Unlashed Piles (concrete)	Lin Ft		4641	4641
Concrete Piles	Lin Ft		2850	2850
Test Piles (Timber)	Each		2	2
Test Piles (Concrete)	Each		2	2
Protective Oil	Gal	1200		1200
Paint	Gal		2	2
Slope Wall	Lin Ft		2225	2225

DESIGN STRESSES

f_c = 12,000 psi (Deck Slab)
f_c = 12,000 psi (Cure, Parapet, Sub)
f_s = 20,000 psi (Reinft)
f_s = 20,000 psi (Struct)
W = 75 psi (Figs)
n = 10
E_{mod} = 30,000,000 psi (Composite)
LOADING HS-20-44EA

DESIGNED: [Signature]
CHECKED: L. M. Chou
DRAW: [Signature]
APPROVED: [Signature]
DATE: SEPT 24 1968

BRIDGES NO. 2 AND NO. 3
STRUCTURES
064-0017
064-0018
FOR INFORMATION ONLY

GENERAL PLAN
& ELEVATION
F.A.I. RT. 24 OVER
BEAR CREEK DITCH
F.A.I. RT. 24 SEC. 64-1B-1
NASSAU COUNTY
STA 253180