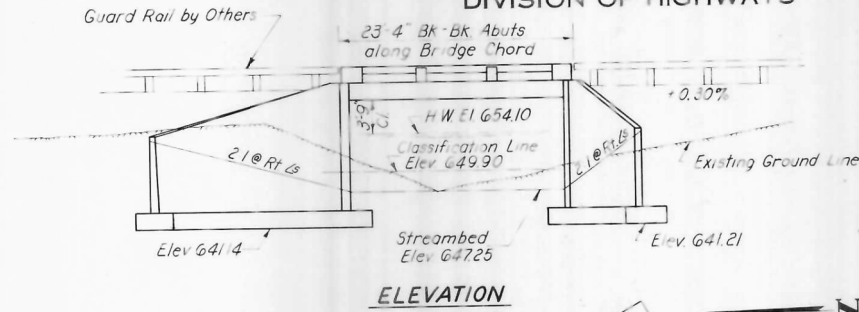


BM: #11 Railroad Spike in fence post
633' Rt. of Sta. 338+66 El. 658.601

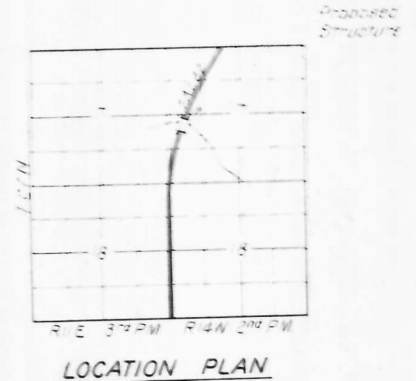
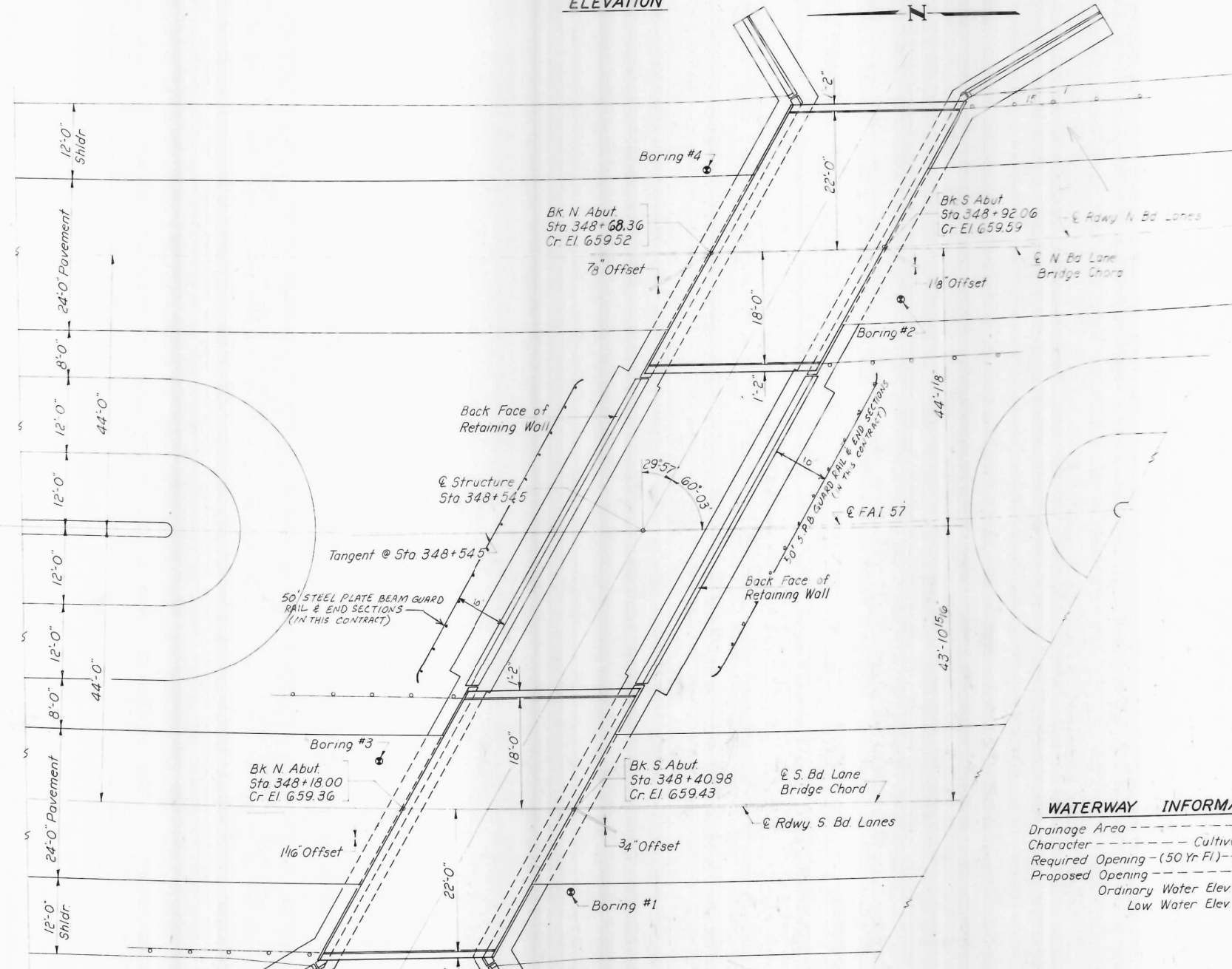
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS



GENERAL NOTES
 Class X concrete shall be used throughout except in hand rails.
 Handrail concrete shall be used in hand rails.
 The concrete floor slab shall be finished in accordance with Article 5119 of the Standard Specifications.
 The handrail concrete in the rail posts and railings shall be poured in separate operations.
 The following surfaces of the Bridge shall be waterproofed: entire back face of abutments, back faces of retaining walls and wing walls from top of footing to one foot below top of walls.
 Waterproofing shall be done in accordance with Article 5121 of the Standard Specifications.

STATION 348+54.5
 BUILT 196 BY
 STATE OF ILLINOIS
 F.A.I. RT. 57 SEC. 38-4B
 F.A. PROJ. I-57-6(83)
 LOADING HS 20 & ALT.

NAME PLATE LETTERING
 See Standard 2113-1



CURVE DATA
 PI Sta 339+47.27
 Δ = 35° 50' 48.23"
 D = 01° 30' 00"
 T = 1235.46
 L = 2389.78
 R = 3819.72
 E = 194.83
 SE = 0.017 (Remove Crown)
 SE Attained 326+40.87 to 327+82.75
 350+30.65 to 351+72.53

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Channel Excavation	Cu.Yds		160	160
Class A Excavation for Structures	Cu.Yds		470	470
Class B Excavation for Structures	Cu.Yds	1220		1220
Class X Concrete	Cu.Yds	90.2	455.9	546.1
Handrail Concrete	Cu.Yds	3.0		3.0
Reinforcement Bars	Lbs	25,130	49,490	74,620
Name Plates	Each	2		2
Protective Coat	Sq Yds	227		227

WATERWAY INFORMATION

Drainage Area ----- 620 Acres
 Character ----- Cultivated
 Required Opening - (50 Yr Fl) -- 125 Sq Ft
 Proposed Opening ----- 125 Sq Ft
 Ordinary Water Elev 650.9
 Low Water Elev 648.9

DESIGN STRESSES

$f_c = 1400$ psi Super
 $f_c = 1000$ psi Sub
 $f_s = 20,000$ psi Reinf
 $v = 75$ psi Ftgs
 $n = 10$
 Safe Soil Bearing Capacity = 40 K.S.F.
 LOADING H20-S16-44 & ALT.

PROJ. I-57-6(83) 278
GENERAL PLAN & ELEVATION
DANFORTH #3 DRAINAGE DITCH
F.A.I. RT. 57 SEC. 38-4B
IROQUOIS COUNTY
STA. 348+54.5

DESIGNED *Wei Haiang*
 CHECKED *Richard P...*
 DRAWN *J.L. Armstrong*
 CHECKED *R.P.*

EXAMINED *McBannum*
 PASSED *Elliott*
 APPROVED *V.E. Bluff*