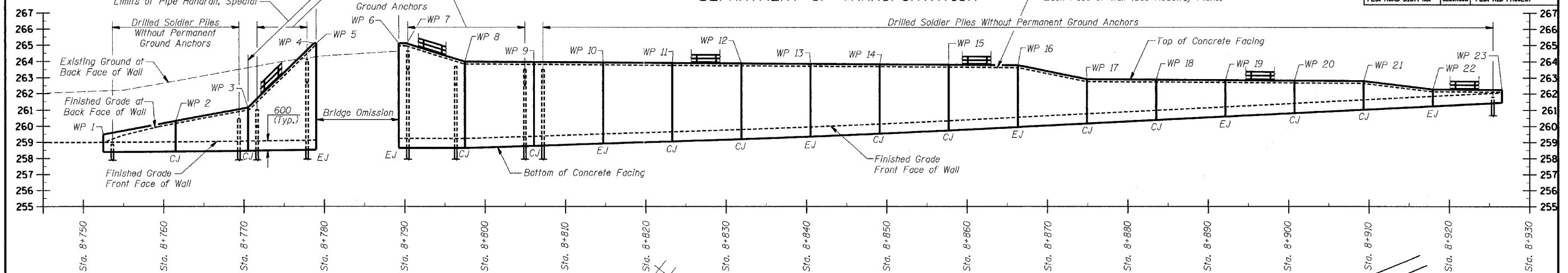


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 337 (IL 22)	19R-1	LAKE	800	560
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

BENCHMARK:

B.M.-74: X cut on bolt on fire hydrant located North side of IL 22.
Elev. = 262.457



CURVE DATA

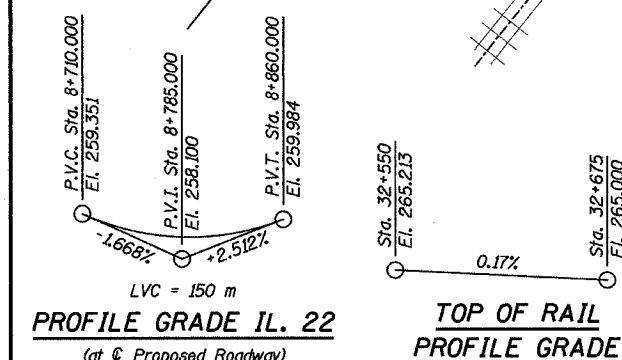
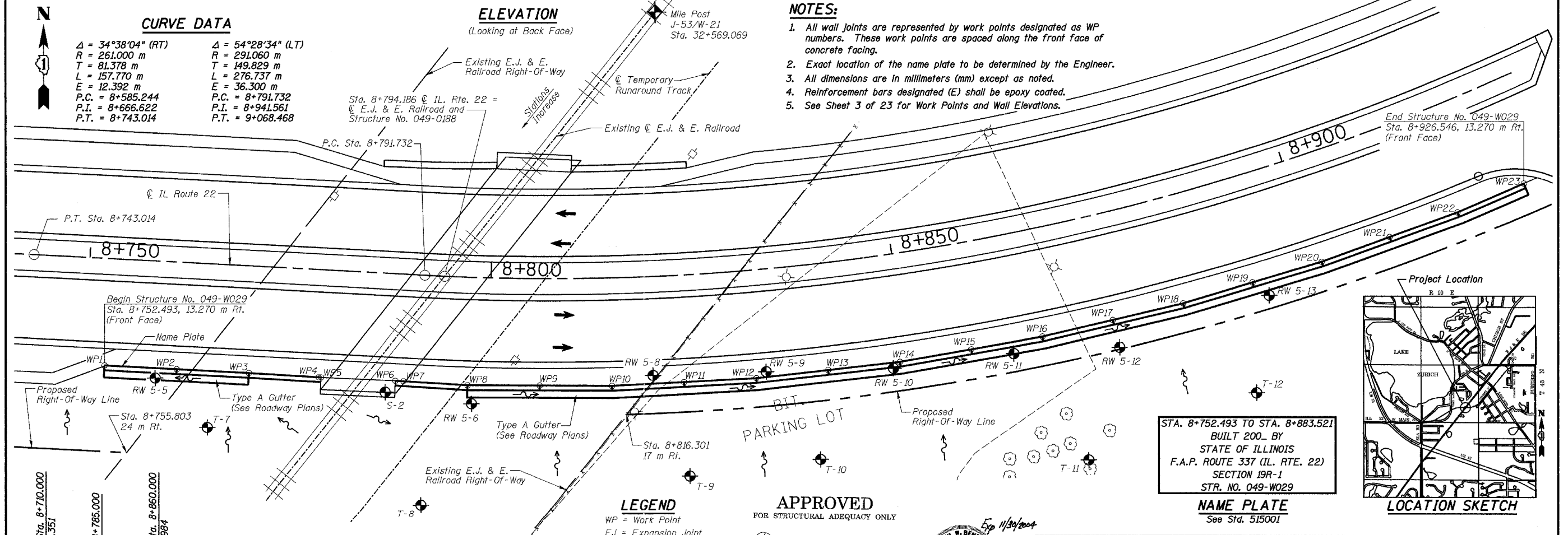
$\Delta = 34^{\circ}38'04''$ (RT)	$\Delta = 54^{\circ}28'34''$ (LT)
$R = 261.000$ m	$R = 291.060$ m
$T = 81.378$ m	$T = 149.829$ m
$L = 157.770$ m	$L = 276.737$ m
$E = 12.392$ m	$E = 36.300$ m
P.C. = 8+585.244	P.C. = 8+791.732
P.I. = 8+666.622	P.I. = 8+941.561
P.T. = 8+743.014	P.T. = 9+068.468

ELEVATION

(Looking at Back Face)

NOTES:

- All wall joints are represented by work points designated as WP numbers. These work points are spaced along the front face of concrete facing.
- Exact location of the name plate to be determined by the Engineer.
- All dimensions are in millimeters (mm) except as noted.
- Reinforcement bars designated (E) shall be epoxy coated.
- See Sheet 3 of 23 for Work Points and Wall Elevations.



PLAN

LEGEND

- WP = Work Point
- EJ = Expansion Joint
- CJ = Construction Joint
- ⊕ = Boring Location

APPROVED

FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

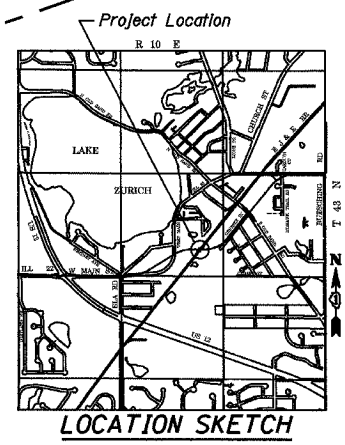
DESIGN SPECIFICATIONS

1996 AASHTO Standard Specifications for Highway Bridges with 1997, 1998, 1999, 2000, & 2002 Interims
American Railway Engineering and Maintenance-of-Way Association (AREMA) Manual for Railway Engineering, 2002

DESIGN STRESSES

FIELD UNITS
 $f_y = 250$ MPa (Str. Steel) (M 270M Grade 250)
 $f_y = 400$ MPa (Reinf.)
 $f'_c = 24$ MPa

STA. 8+752.493 TO STA. 8+883.521
BUILT 200_ BY
STATE OF ILLINOIS
F.A.P. ROUTE 337 (IL. RTE. 22)
SECTION 19R-1
STR. NO. 049-W029
NAME PLATE
See Std. 515001



GENERAL PLAN AND ELEVATION

Date	Designed TDN	F.A.P. RTE. 337 (IL. RTE. 22)	Sheet No.
Revisions	Drawn BKN	SECTION 19R-1	1
	Checked KWB	WEST OF U.S. 12 TO EAST OF BEUSCHING ROAD	
	Approved KWB	LAKE COUNTY	
		STATION 8+752.493 TO 8+883.521	
		STRUCTURE NO. 049-W029	
			of 23
			URS Job No. 2.100001385.01



May 24 2004
Keith M. Bentley
Structural No. 4777