

Bench Mark: BM 3003 - Chiseled \square on SW corner of 150 spur bridge over War Memorial Drive. Elevation 199.790
 Existing Structure: S.N. 072-2504 built prior to 1965 as a single 3.66 m x 3.05 m reinforced concrete box culvert with a length of approx. 100 m. The headwalls and wingwalls of the existing structure shall be removed and reconstructed for a single box/twin pipe culvert configuration.
 Construction Staging: Single Stage Construction.

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	568	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications

LOADING MS18 & ALT.

Allow 2.4 kN/m² for future wearing surface.

DESIGN STRESSES

FIELD UNITS

NEW CONSTRUCTION

f'c = 24 MPa
 fy = 420 MPa (Reinf.)

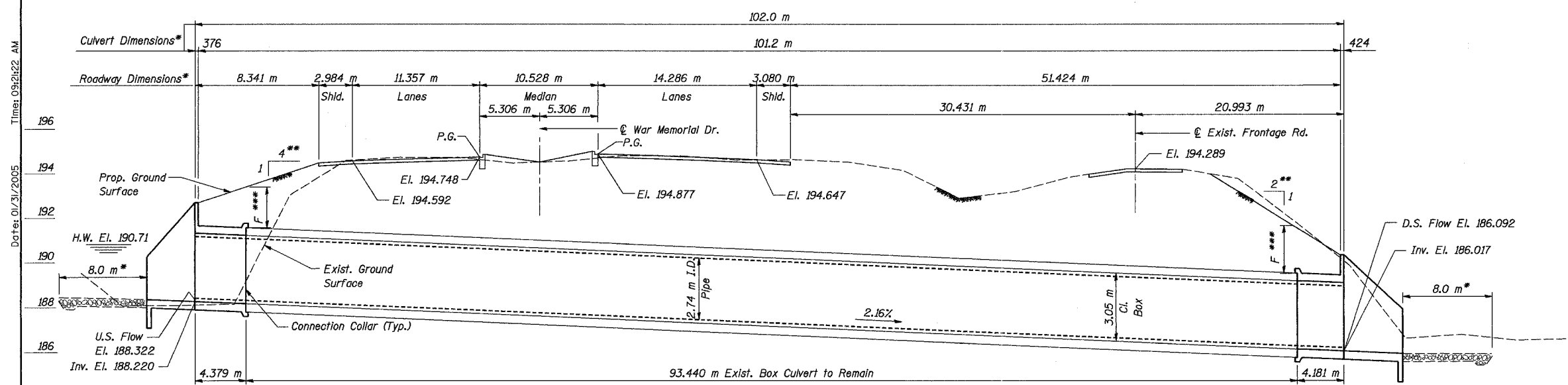
EXIST. CONSTRUCTION

fc = 9.6 MPa (barrel)
 fc = 6.8 MPa (Wingwalls)
 fs = 140 MPa (Reinf.)

PRECAST UNITS

NEW CONSTRUCTION

AASHTO M 259M
 f'c = 35 MPa
 fy = 450 MPa (Welded Wire Fabric)

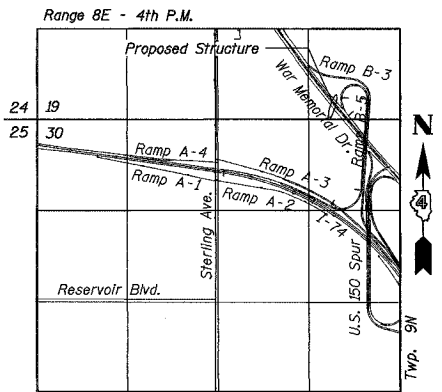


LONGITUDINAL SECTION
 (Along Centerline of Culvert)

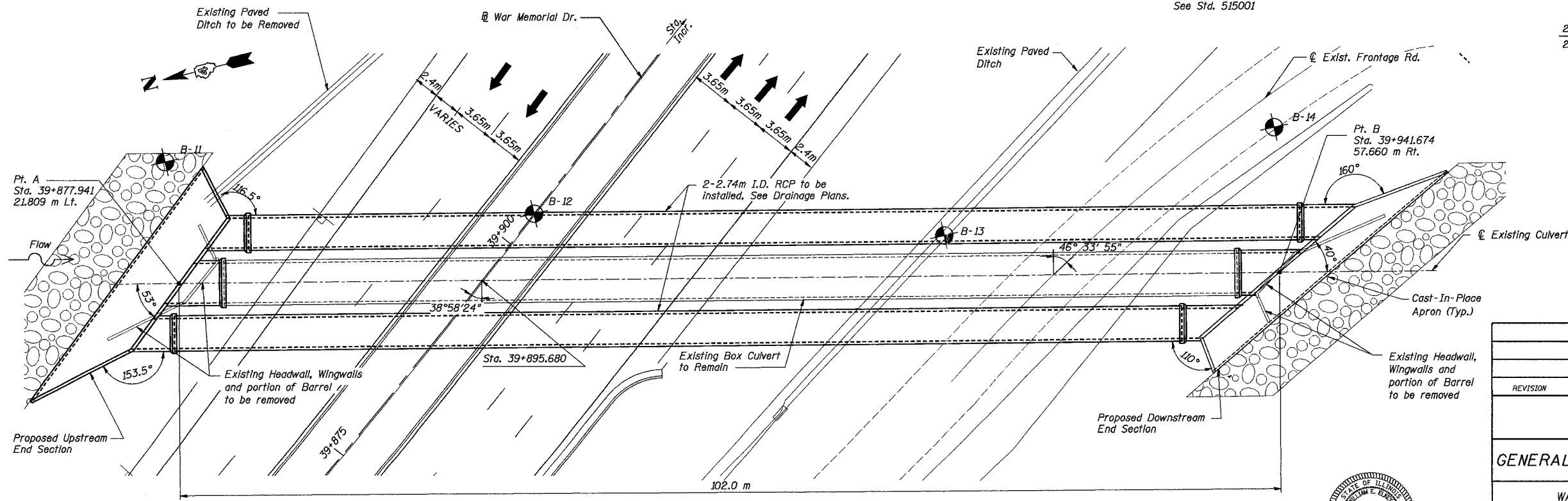
STATION 39+895.680 (@ U.S. 150)
 BUILT 200_ BY
 STATE OF ILLINOIS
 F.A.I. RT. 74 SEC (72-7)R-3
 STR. NO. 072-2504

NAME PLATE
 See Std. 515001

*Dimensions taken along centerline of culvert
 **At Rt. L's to edge of roadway. See Roadway Plans.
 ***Design Fill Height (F) = 2.2 m



LOCATION SKETCH



PLAN

Designed by: WEE
 Checked by: AK
 Drafted by: RK-S
 Checked by: EI/AR

Soil Boring Locations
 Note: All dimensions are in millimeters (mm) except as noted.



REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
GENERAL PLAN AND LONGITUDINAL SECTION		
WAR MEMORIAL DRIVE OVER DRY RUN CREEK F.A.I. ROUTE 74 SEC. (72-7)R-3 PEORIA COUNTY STA. 39+899.517 (U.S. 150) STRUCTURE NUMBER 072-2504		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 1	SCALE N.T.S.	DATE 11/4/04
		SHEET NO. 1