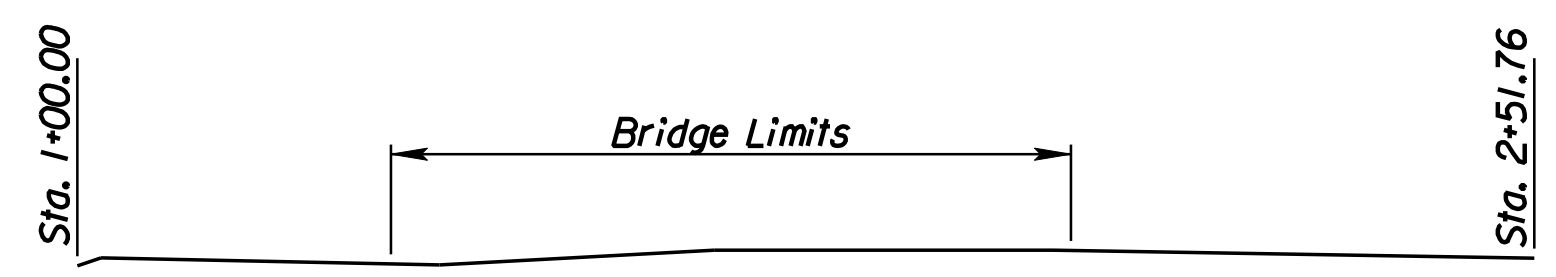
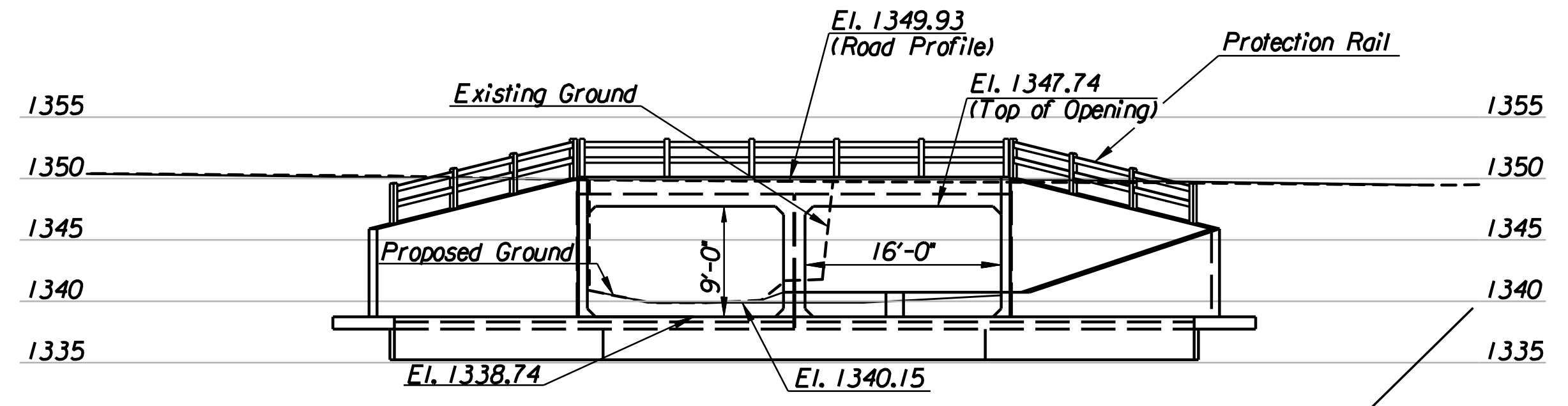


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84834	2009	4	19



PROFILE GRADE

GENERAL NOTES

LOADING: AASHTO Specifications, 2004 17th Edition and latest Interim Specifications. Load and Resistance Factor Design

UNIT STRESSES:
 Concrete $F'_c = 4,000$ p.s.i.
 Reinforcing Steel $F_y = 60,000$ p.s.i.

CONSTRUCTION: The Contractor has the option of using either cast-in place or precast construction. Payment for the structure will be the same regardless of which option is used.

JOINTS: Construction Joints shall only be formed at locations shown or as approved by the Engineer

EXCAVATION: All excavation and backfill shall extend 2 feet beyond the sides of the box and wingwall.

CONFLICT: If R.C.B. plan notes conflict with the General Notes from this sheet, then these General Notes will govern.

SLOPE PROTECTION (Riprap Light Stone 24"): Place Slope Protection (Riprap Light Stone 24") to the limits and thicknesses shown on the plans or as directed by the Engineer.

SODDING: All areas disturbed by construction away from all four corners of the bridge, shall be restored with Bermuda sod, per the respective bid item.

DRAINAGE DATA

Drainage Area 1.6 Sq. Mi.
 Design Discharge (Q_{100}) 1475 CFS
 (From 2007 FEMA FIS)
 Design High Water (100 Yr.) 1351.0 Ft.
 (From 2007 FEMA FIS)

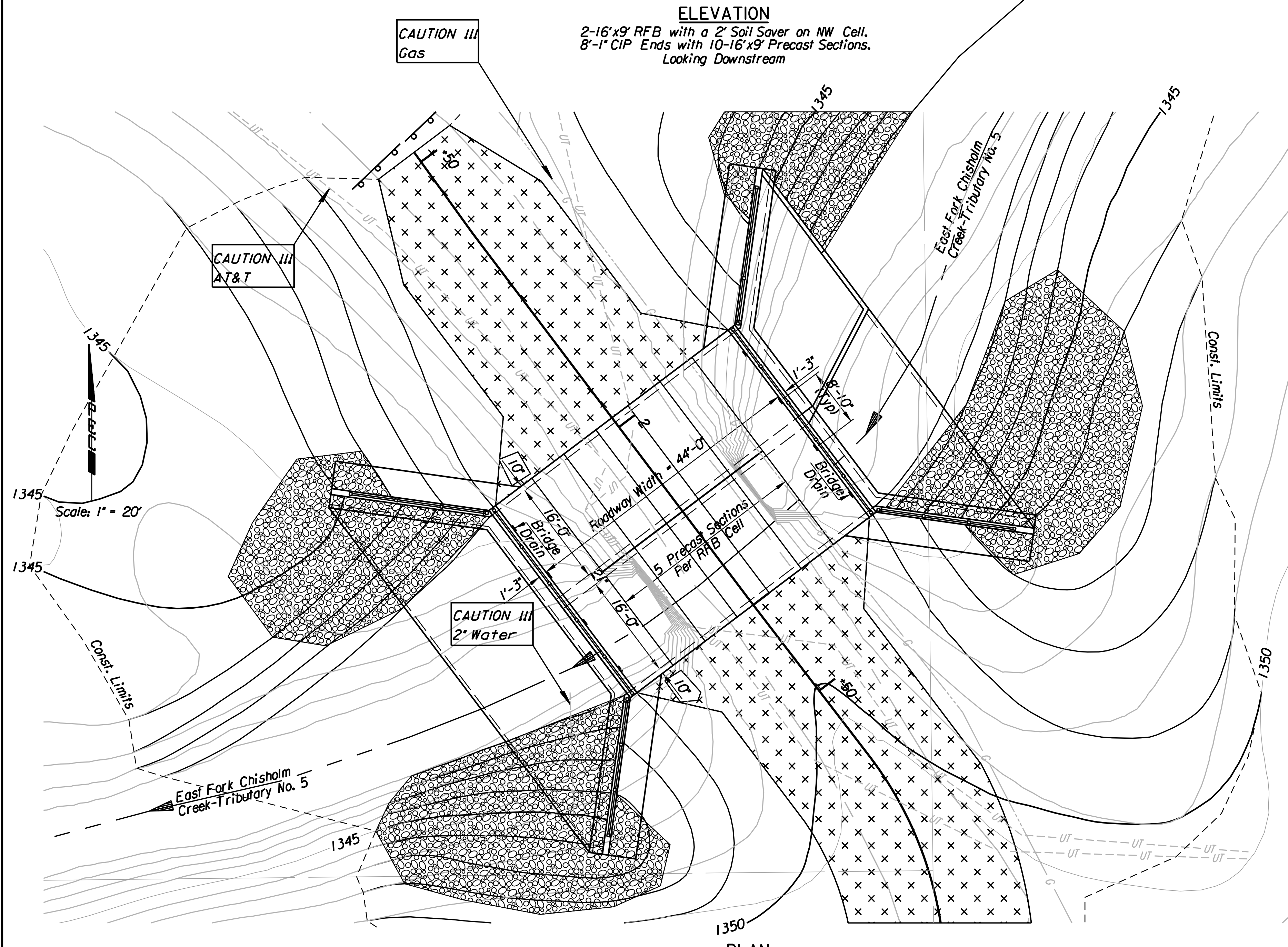
PRECAST NOTES

PRECAST CONCRETE: Precast Box Sections shall meet the appropriate design and inspection requirements of A.S.T.M. Designation C850, Table 2 or C789, Table 2 whichever is critical and the Loading Specifications. The intermediate joints shall be sealed with a mastic compound which shall be provided for approval with the shop detail submittal. The Contractor shall furnish, to the Engineer, detail plans and shop drawings showing the proposed precast layout and all other details for manufacture and delivery of any precast items to be incorporated into the work.

SEAL COURSE: A Seal Course shall be constructed below the R.C.B. as shown in the Plans. The Seal Course below Precast Sections shall consist of either 3 inches of 3,000 p.s.i. Concrete or a 6 inch Granular Base (Type UD-1) at the Contractor's option. No reinforcing shall be placed until the Seal Course has gained sufficient strength to permit working upon it without injury.

REINFORCING STEEL: All dimensions relative to reinforcing are to centerline of bars unless otherwise noted. Bar bending and dimensions shall be as shown and noted on the Bar Bending Diagrams. Reinforcing used in the Precast Sections is not required to be epoxy coated. The concrete cover for all reinforcing shall be $1\frac{1}{2}$ " minimum unless otherwise noted. A revised bar schedule will be required at shop detail submittal due to shortened box length for precast construction.

Doweling details between pre-cast and cast-in-place ends must be submitted for approval by the Engineer.



PLAN
Scale: 1"=20'

UTILITIES

- Cable TV
- Gas
- Power
- Telephone
- Water
- Cox Communications
- Kansas Gas Service
- Westar Energy
- AT&T
- Wichita Water & Sewer Dept.

Plotted By: rjm
 File: i:\2009\09430\office check\09430-Construction Layout.dgn

CONTROL POINT NO. 1
 N. RIM OF MANHOLE 35' ± S AND 3' ± E
 OF SW CORNER OF LOT 1.
 N: 1704637.2956 E: 1667023.4760

BM 5- BARNES' COTTONWOOD CREEK ADDITION.
 N. RIM OF INLET MANHOLE, 37' ± S AND 19' ± W
 OF SW CORNER OF LOT 1. ELEV. 1350.6185
 N: 1704633.4587 E: 1667003.6692

CONTROL POINT NO. 2
 S. EDGE OF POWER POLE 31' ± S
 AND 5' ± W OF SW CORNER OF LOT 1.
 N: 1704642.7535 E: 1667012.4096

Revisions		By	Date
CITY OF WICHITA			
Br. No. 430400870000271		Sta. 1+84.05	
CONSTRUCTION LAYOUT			
EAST FORK CHISHOLM CREEK-TRIB. NO. 5 BRIDGE			
PROJECT NO. 472 84834		SEDGWICK COUNTY	
Professional Engineering Consultants, P.A.			
303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	R.J.M	Checked by	R.A.S.
Drawn by	R.J.M	Date	Oct., 2009
		Job No.	09430