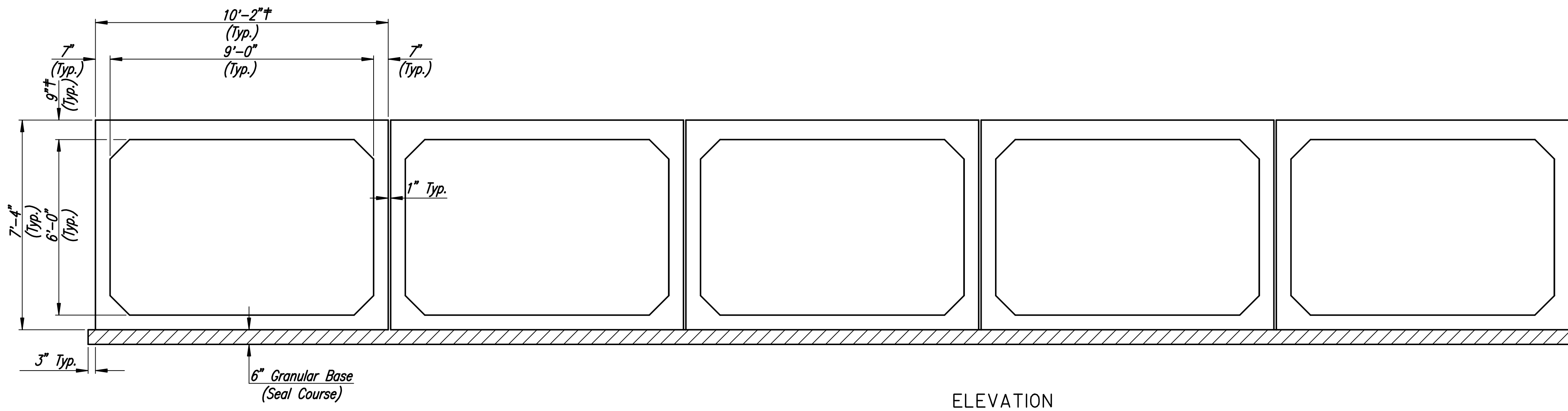
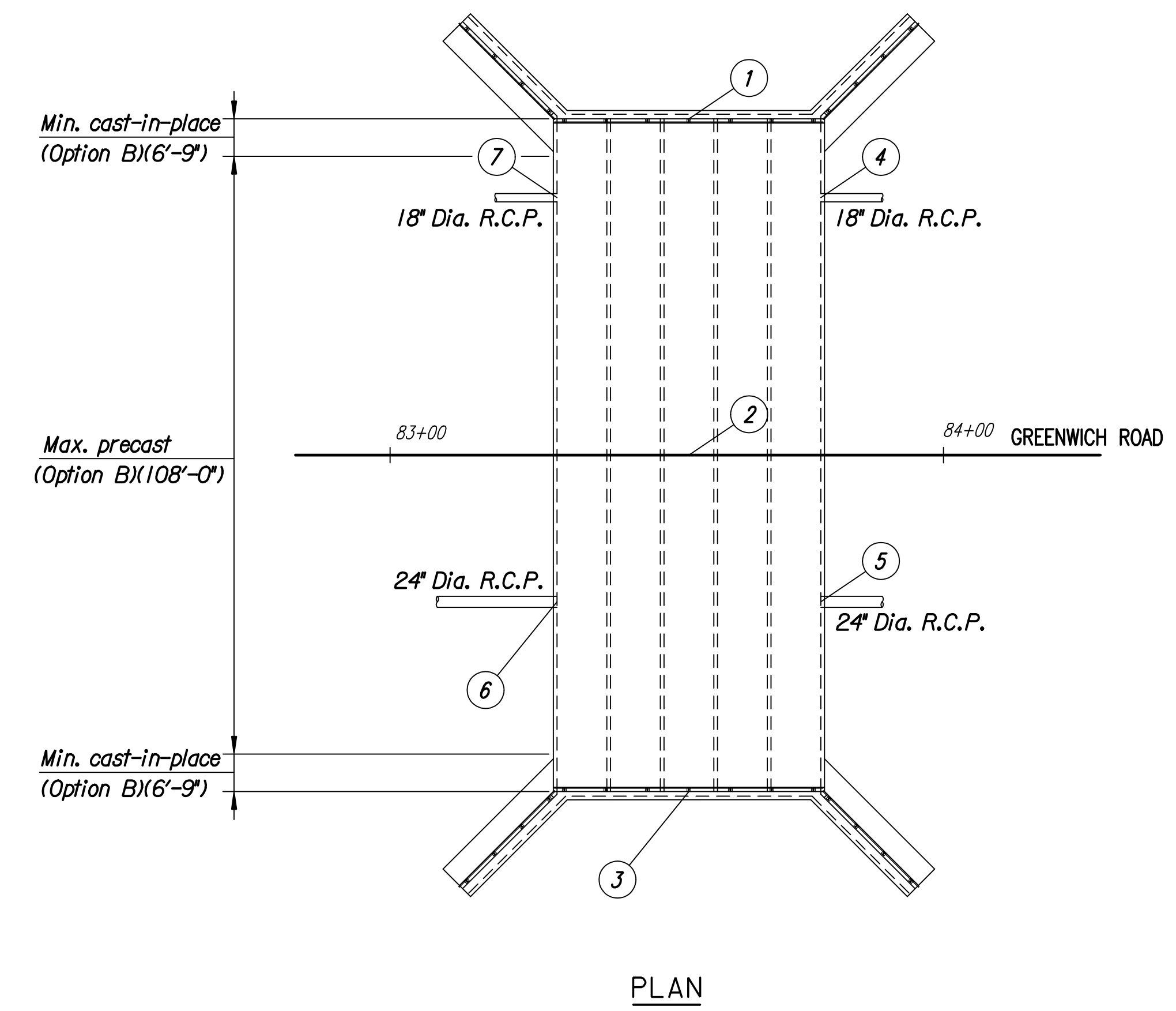


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† Dimension may vary based on Shop Drawings.



ELEVATION

PLAN

TABLE OF COORDINATES						
REFERENCE	POINT NO.	NORTH COORDINATE	EAST COORDINATE	ELEVATION	STATION	OFFSET
⊙ Headwall (Top)(West Edge)	1	1698147.9648	1686178.7371	1359.15	83+54.00	60.750' Lt.
⊙ RFB & ⊙ Greenwich ⊙	2	1698148.7796	1686239.4817	1350.35	83+54.00	00.000' Rt.
⊙ Headwall (Top)(East Edge)	3	1698149.5927	1686300.2262	1359.05	83+54.00	60.750' Rt.
⊙ 18" Dia. RCP ⊙ Int. RFB Wall Face	4	1698171.9845	1686192.6663	1352.55	83+77.83	46.500' Lt.
⊙ 24" Dia. RCP ⊙ Int. RFB Wall Face	5	1698172.9636	1686265.6597	1352.36	83+77.83	26.500' Rt.
⊙ 24" Dia. RCP ⊙ Int. RFB Wall Face	6	1698125.3012	1686266.2990	1353.02	83+30.17	26.500' Rt.
⊙ 18" Dia. RCP ⊙ Int. RFB Wall Face	7	1698124.3301	1686193.3041	1352.55	83+30.17	46.500' Lt.

GENERAL NOTES

LOADING: HS20-44 A.A.S.H.T.O. Specification, 1983 Edition.

UNIT STRESSES:
 Concrete $F_c = 4000$ p.s.i. $F_y = 60,000$ p.s.i.
 $F_s = 1600$ p.s.i. $F_s = 24,000$ p.s.i.

CONSTRUCTION: The Contractor has the option of constructing either the Cast-In Place Option (See Option A) or the Precast Option (See Option B). 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 two (2) feet beyond the sides of the box and wingwall.

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

PAYMENT: The "5-9'x6' RFB" shall bid per summary of quantities shown as Option A. Payment shall include all labor and all other incidentals necessary to complete the work.

Specific Notes for Cast-In-Place Option are provided on the R.F.B. Detail Sheet.

OPTION B (PRECAST) NOTES

PRECAST CONCRETE: Precast Box Sections shall meet the appropriate design and inspection requirements of A.S.T.M. Designation C-850, 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.F.B. as shown in the Plans. The Seal Course shall consist of a 6" of crushed rock conforming to ASTM C-33, Gradation No. 67, and shall meet the requirements for Portland Cement Concrete Pavement Course Aggregate, Section 406.2, City of Wichita Standard Specifications. Wichita Standard Specifications. 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 1/8" minimum unless otherwise noted. A revised bar schedule will be required at shop detail submittal due to shortened box length in Precast Option.

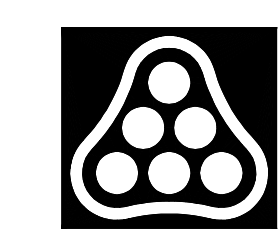
Doweling details between pre-cast and cast-in-place ends must be submitted for approval by the Engineer.

(Option A)

SUMMARY OF QUANTITIES (CAST-IN-PLACE)	
Concrete (Grade 4.0) (AE)	509.8 C.Y.
Reinforcing Steel (Gr. 60)	93,355 Lbs.
Class III Excavation	438 C.Y.
Foundation Stabilization (Set)	1 C.Y.
Seal Course (Granular Base)	113 C.Y.
Granular Backfill (Wingwalls) (Set)	1 C.Y.
Bridge Handrail (Steel) (Pedestrian)	199 L.F.
Light Stone Riprap	135 C.Y.

(Option B)

BILL OF MATERIALS (PRECAST OPTION)	
Precast Box (9'-0"x6'-0")	540 L.F.
Concrete (Grade 4.0) (AE)	113.1 C.Y.
Reinforcing Steel (Gr. 60)	15,000 Lbs.
Class III Excavation	438 C.Y.
Foundation Stabilization (Set)	1 C.Y.
Seal Course (Granular Base)	117.8 C.Y.
Granular Backfill (Wingwalls) (Set)	1 C.Y.
Bridge Handrail (Steel) (Pedestrian)	199 L.F.
Light Stone Riprap	135 C.Y.



No.	Revision	By	Date
CITY OF WICHITA, KANSAS GENERAL NOTES GREENWICH OVER WEST FORK OF FOUR MILE CREEK PROJECT NO. 472-84004 SEDGWICK COUNTY			
Professional Engineering Consultants, P.A. 303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	RAS	Job No.	04219
Drawn by	DRP	Date	AUGUST 2005
			Sht. 101 of 215