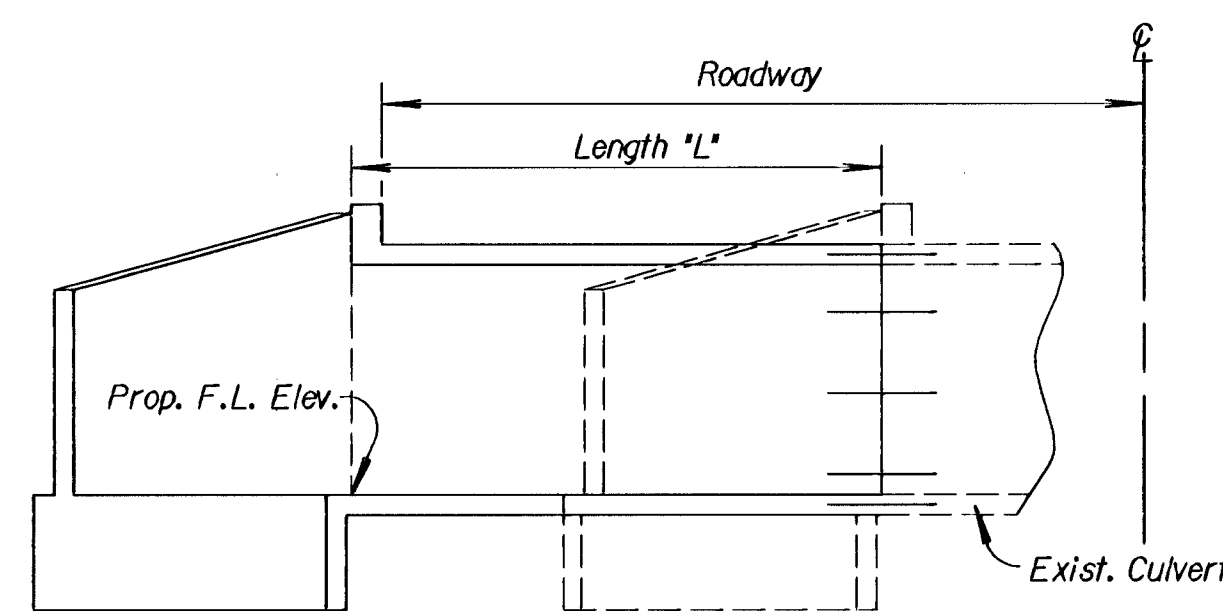
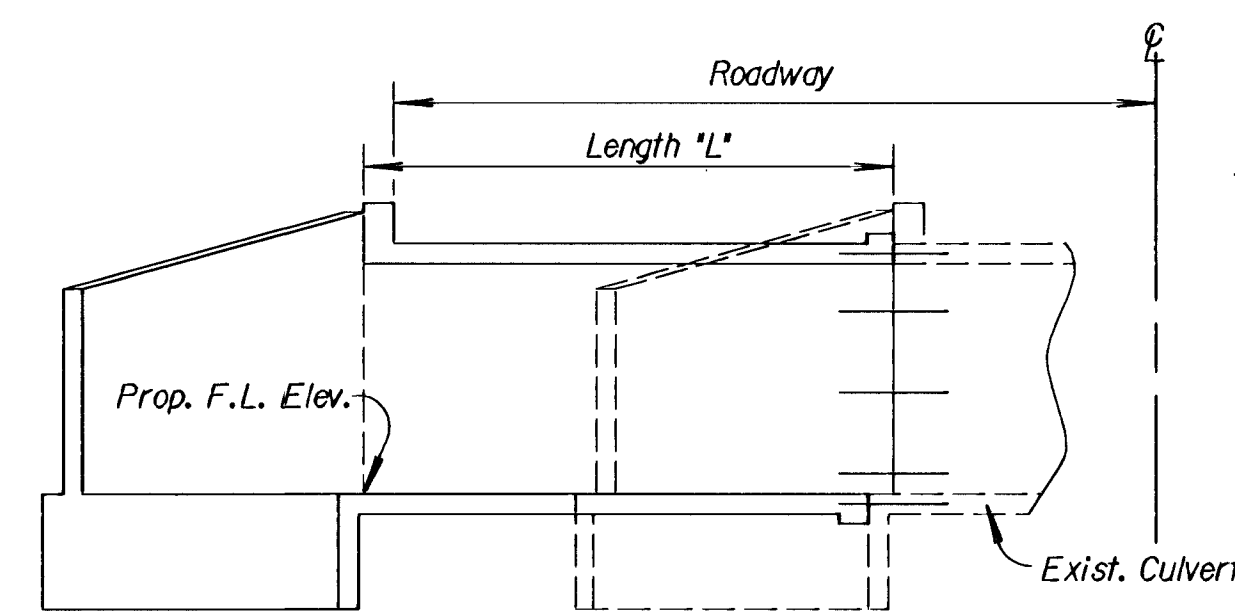


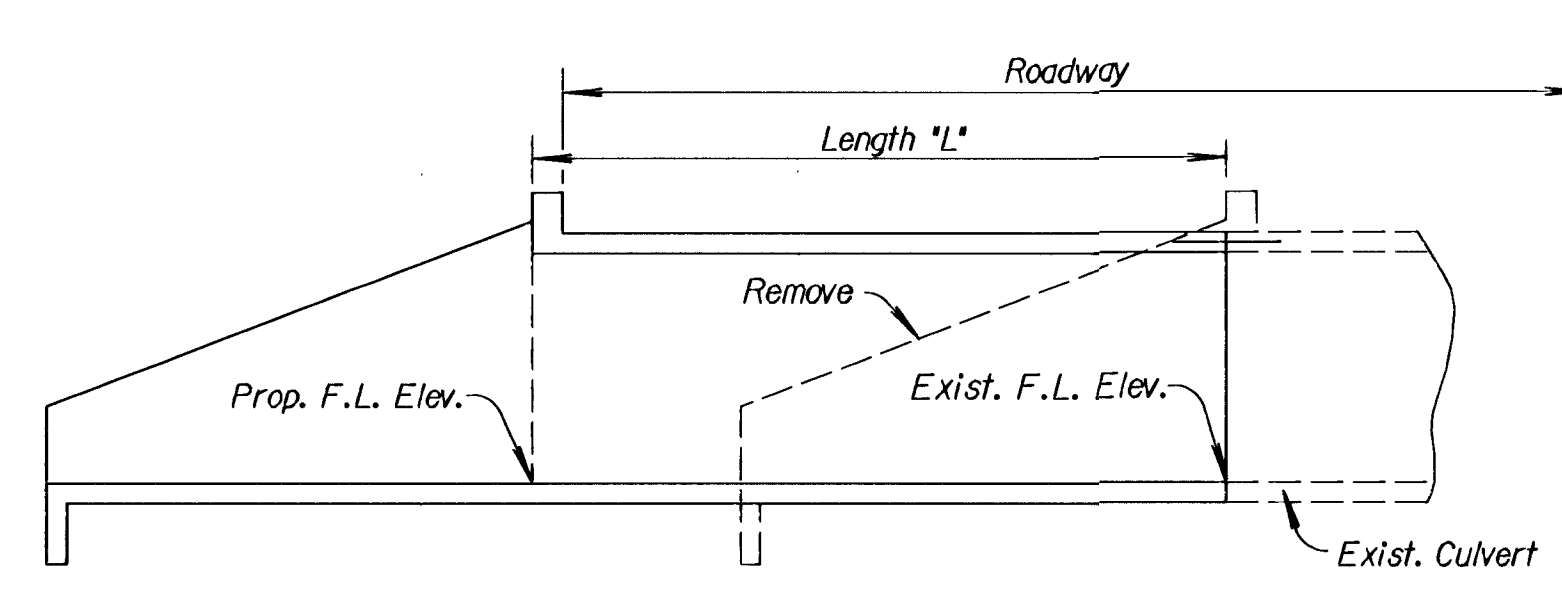
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0203-01	2003	21	48



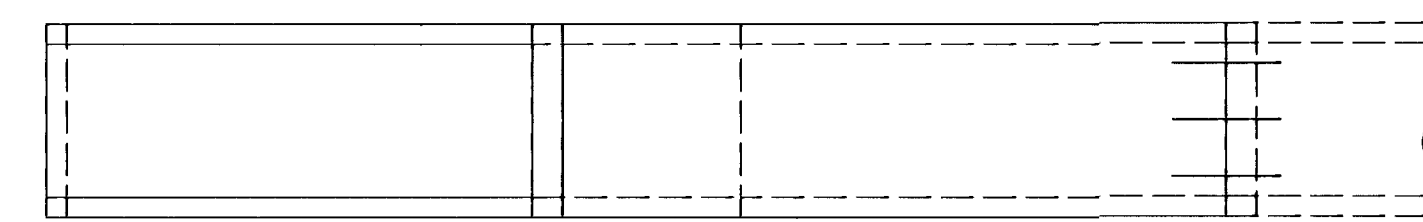
TYPICAL SECTION
(Flared Wings)



TYPICAL SECTION
(Skewed Structure)



TYPICAL SECTION
(Straight Wings)

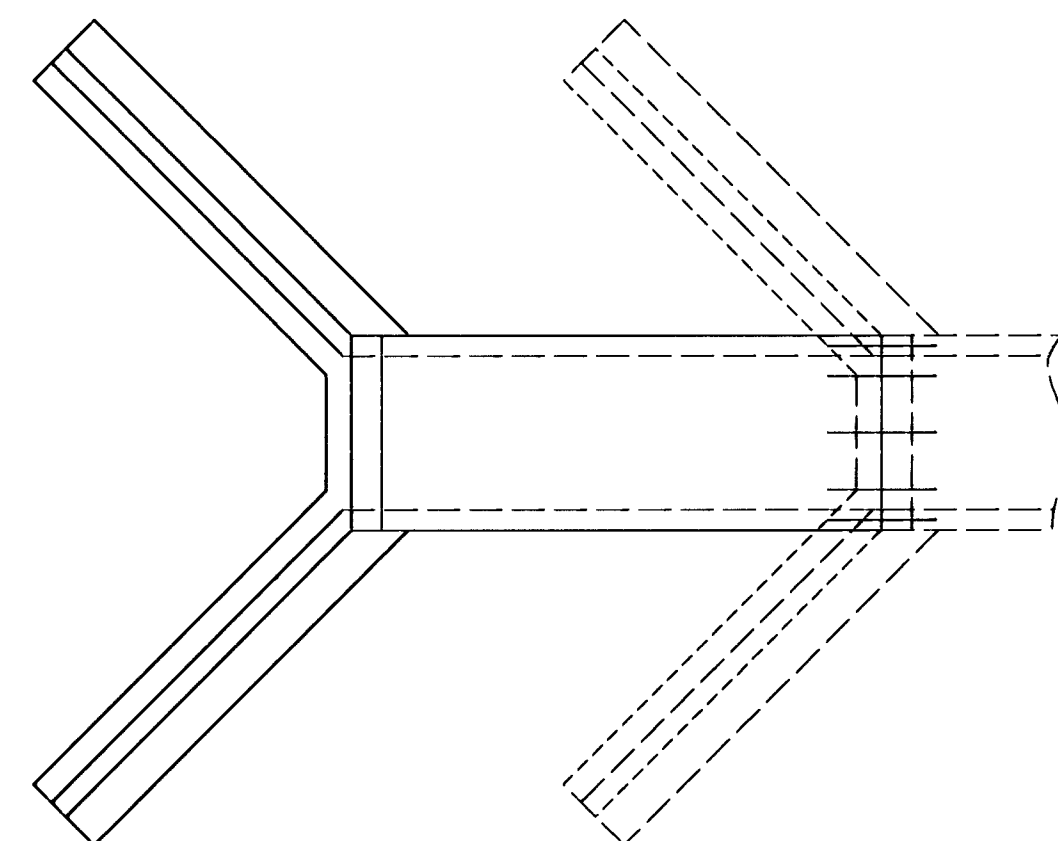


TYPICAL PLAN
(Straight Wings)

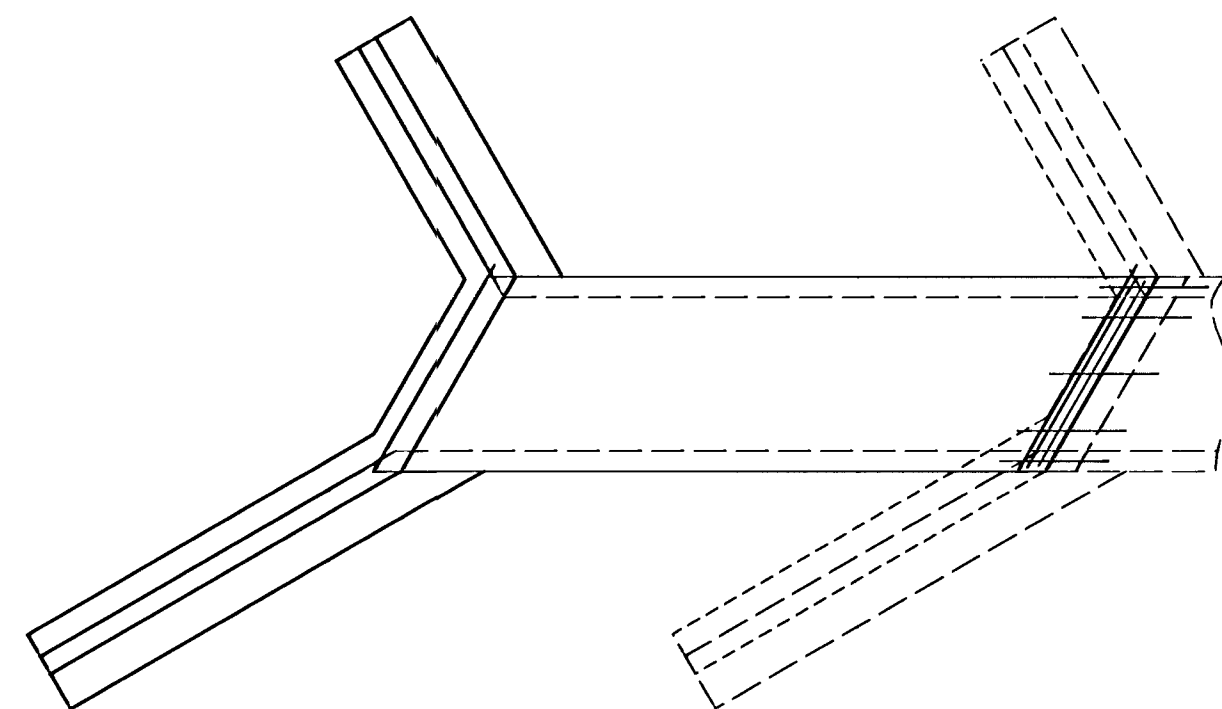
⋄ *Note: The Joint between the RCB extension and the existing structure shall be protected by a bentonite based system as shown when the following conditions exist:*

1. Fill depth over the joint is 600 mm or less.
2. Lateral location of the joint is 6 m or less from edge of pavement.
3. RCB span is equal to or greater than 2.4 m.

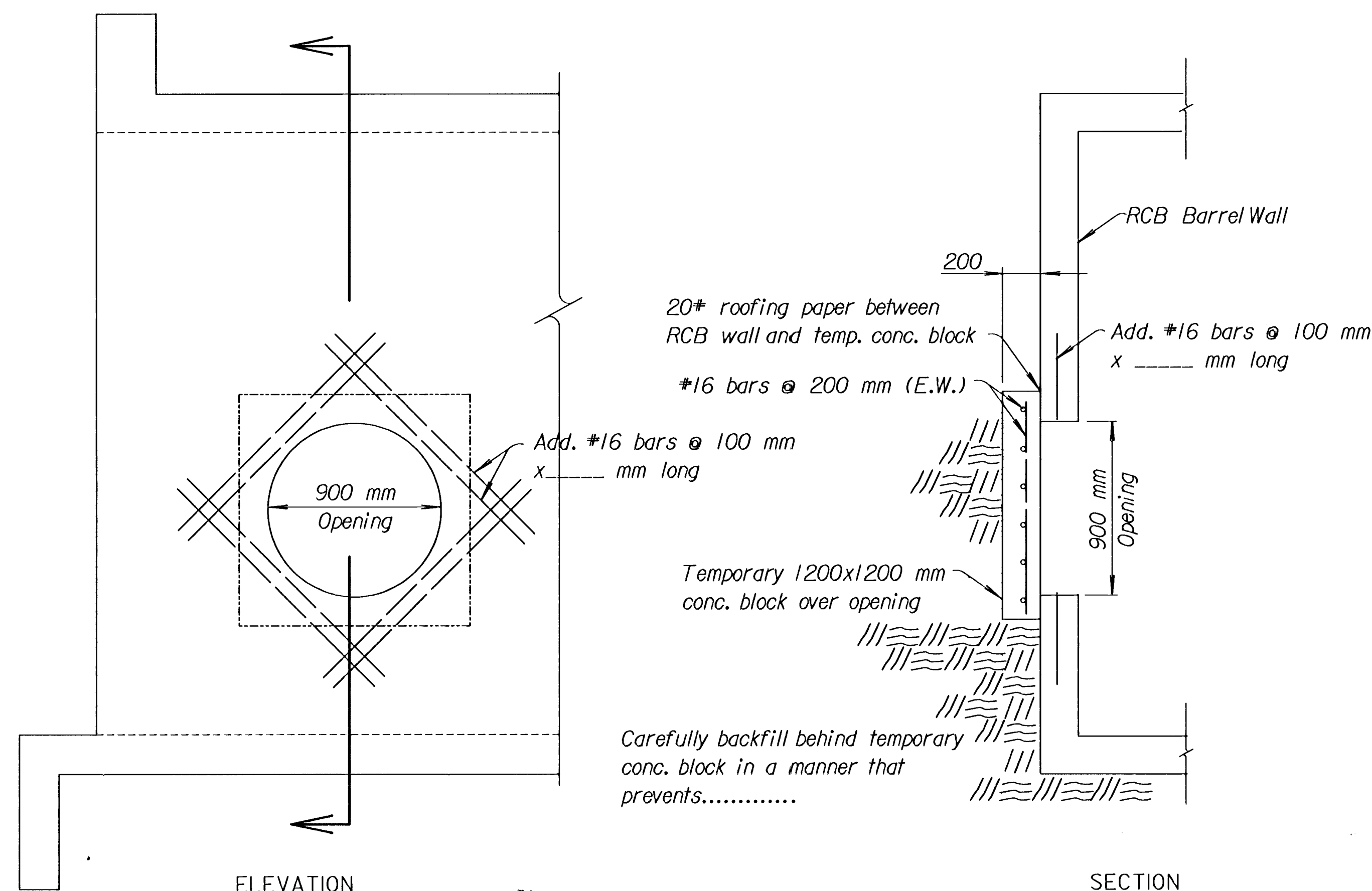
The bentonite shall be placed on the exterior walls and top slab and shall conform with the requirements of the Special Provision for "Bridge Backwall Protection System". All materials and labor required for this work shall be Subsidiary to the bid item "Grade 28 Concrete".



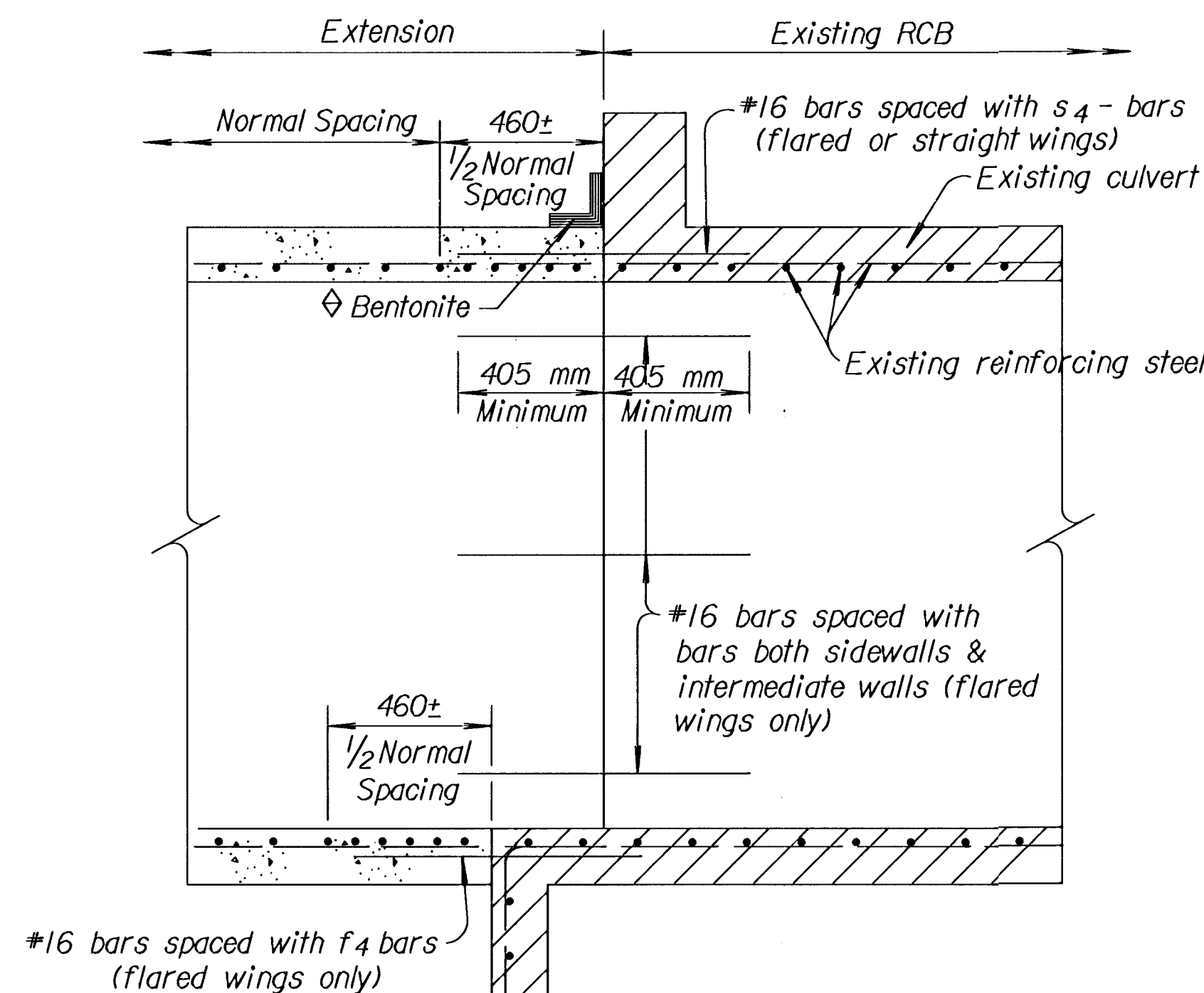
TYPICAL PLAN
(*Flared Wings*)



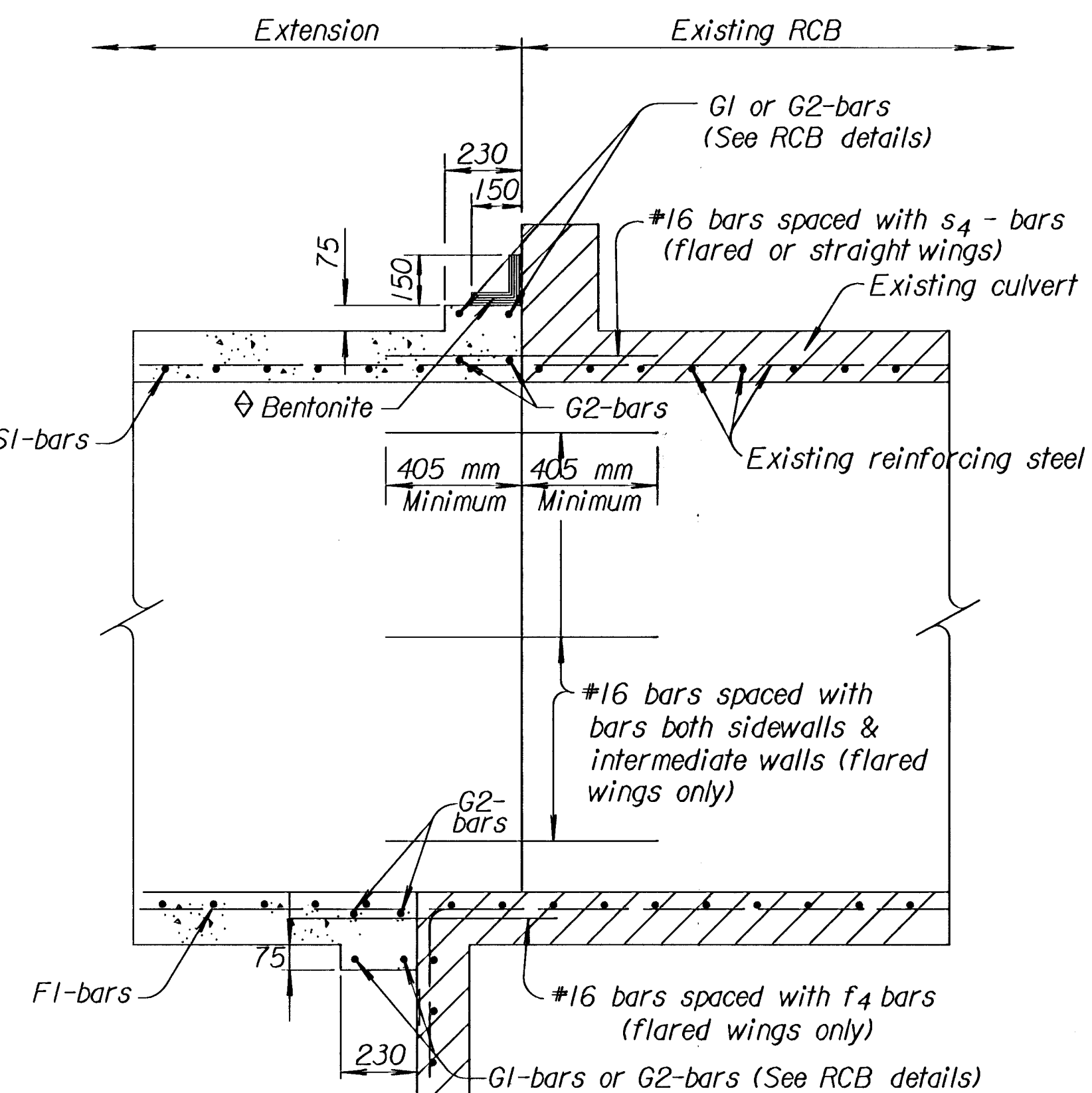
TYPICAL PLAN
(Skewed Structure)



RCB WALL BLOCKOUT DETAIL
(For Future Storm Sewer Pipe)



TYPICAL DOWELED EXTENSION



TYPICAL DOWELED EXTENSION.
(Skewed Structure)

Quantities on this sheet are included in Summary of Quantities

[illegible]

5	4-30-02	Rev. concrete from Class to Grade.	S.W.K.	J.O.B.
4	4-18-01	Revised General Note	R.J.S.	J.O.B.
3	12-5-00	Rev. General Note flared wing ext.	R.J.S.	J.O.B.
NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION

TYPICAL CULVERT EXTENSIONS

~~RD510-SI~~

FHWA APPROVAL		5-01-02		APP'D. James O. Brewer	
DESIGNED	DETAILED	QUANTITIES	TRACED Bowser		
DESIGN CK.	DETAIL CK.	QUAN.CK.	TRACE CK. Seltz		