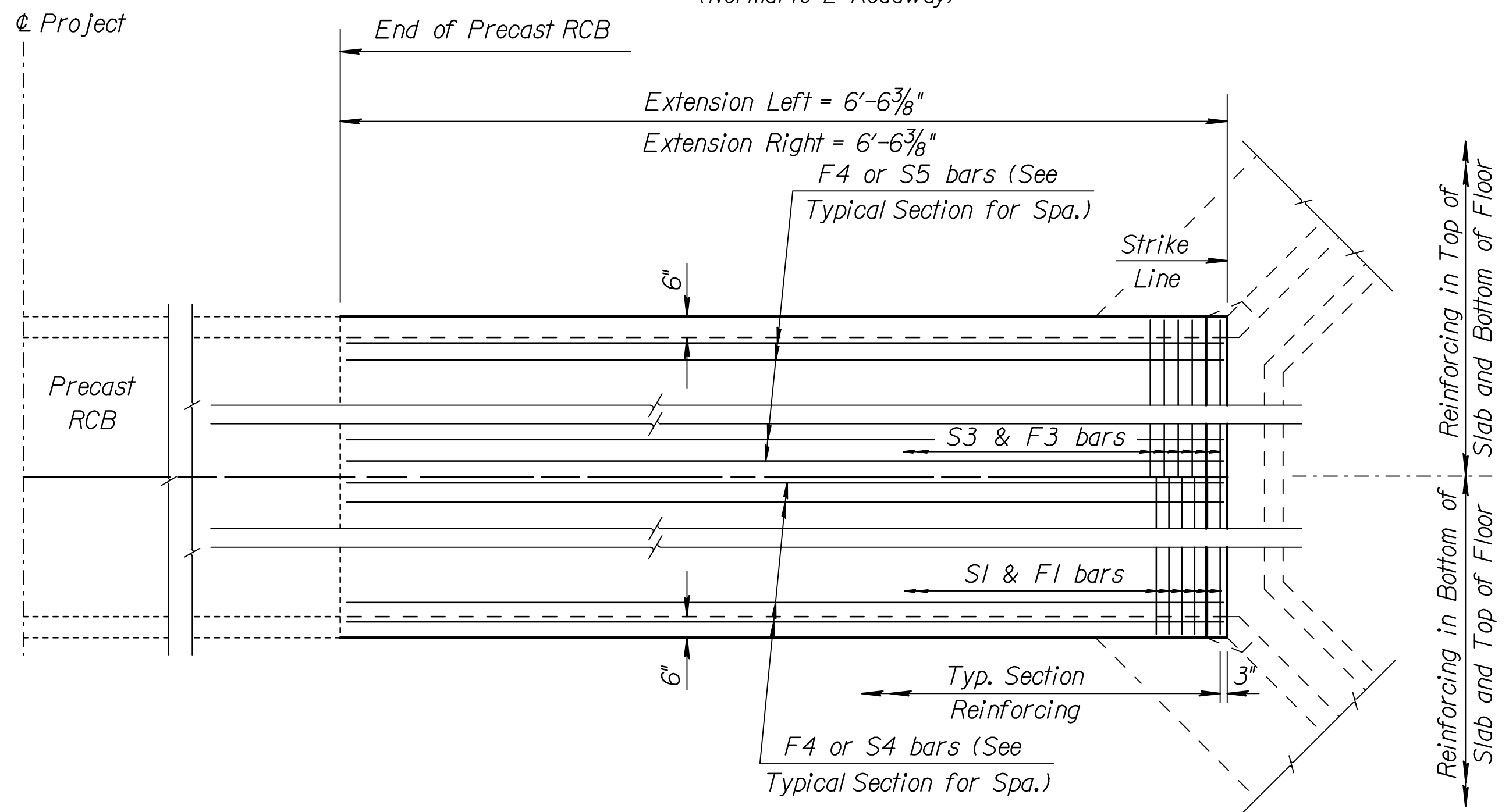
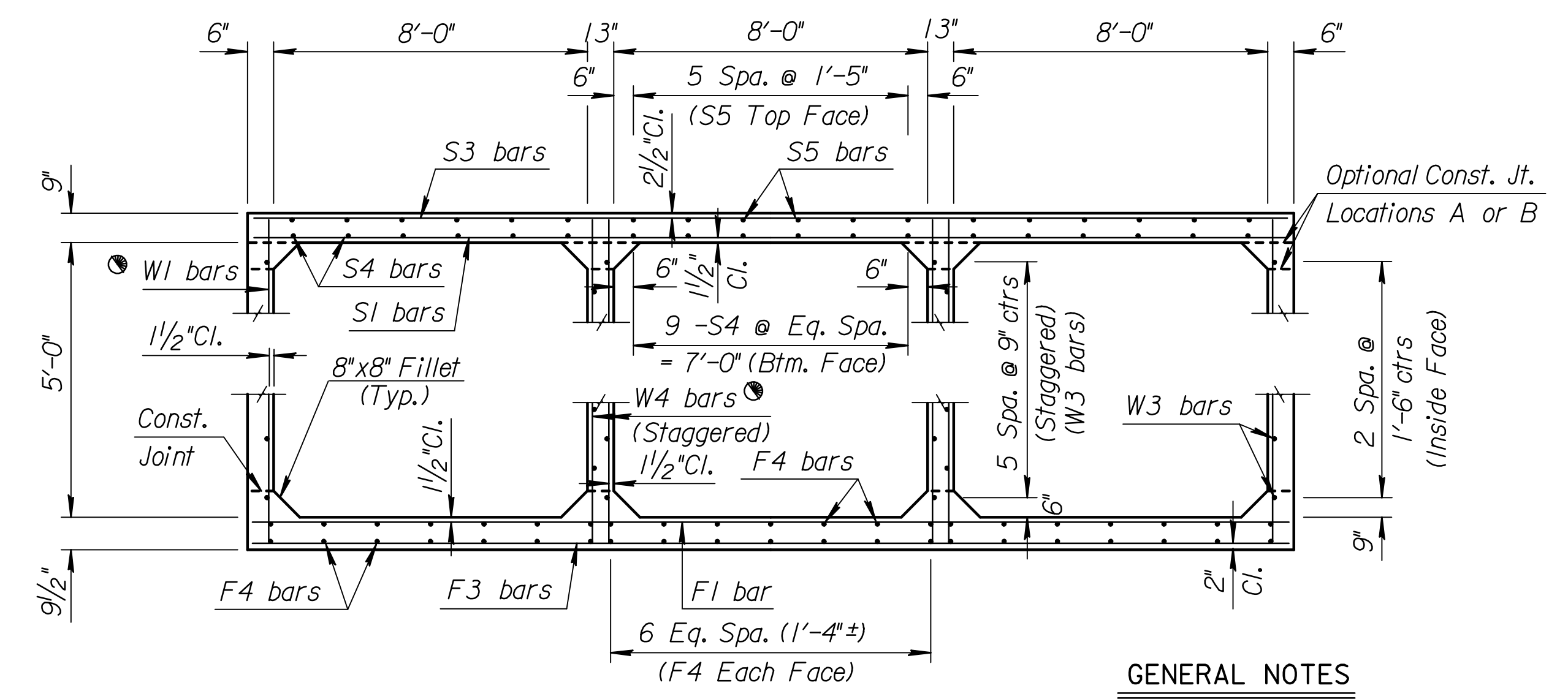


SECTION AND ELEVATION
(Normal to Roadway)



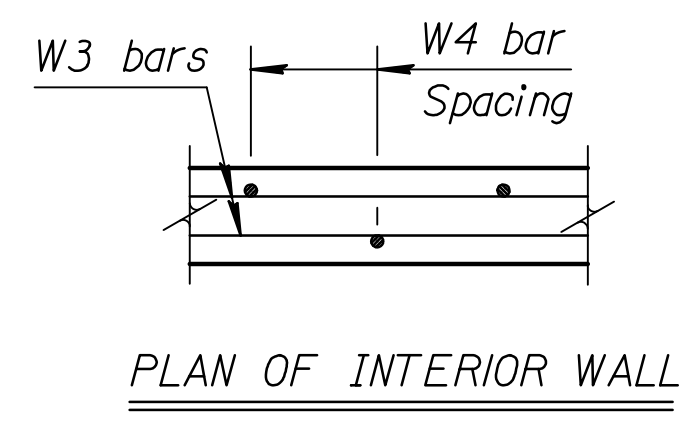
PLAN



TYPICAL SECTION

GENERAL NOTES

See RCB Auxillary Details for Optional Splice.



PLAN OF INTERIOR WALL

LOADING: HS20-44 AASHTO Specifications, 1983 Edition.
UNIT STRESSES: Grade 4.0 Concrete; $f'_c = 4,000$ p.s.i.
 Reinforcing Steel; $f_y = 60,000$ p.s.i.
FILL HEIGHT: Unless otherwise noted, the Design Fill Height is measured from the riding surface at the culvert and shall include the surfacing.
CONCRETE: Grade 4.0 Concrete shall be used throughout. Bevel all exposed edges with a 3/4 inch triangular moulding. Where Grade 4.0 Concrete (AE) is specified, it shall be placed in the top slab above the Construction Joint.
REINFORCING: All reinforcing shall conform to ASTM A615, Grade 60. All dimensions relative to reinforcing steel shall be to centerline of bar unless otherwise noted.
EXCAVATION: Excavation for culverts less than bridge length shall not be paid for directly but shall be subsidiary to Grade 4.0 Concrete. Excavation for RCB Bridges shall be paid for as Class III Excavation.
SEAL COURSE: A Seal Course may be required by the Engineer. The Seal Course shall be unreinforced Concrete (Commercial Grade) to a minimum depth of 3 inches or as determined by the Engineer. Concrete for the seal course shall be paid for at the unit price set for Concrete for Seal Course.
FOUNDATION STABILIZATION: The Foundation Stabilization quantity has been calculated to the limits shown on the "RCB Auxillary Details" sheet. The depth may be increased by the Engineer. The Contractor may underrun Foundation Stabilization under the barrel if founded on firm material and with the Engineer's approval. Use Foundation Stabilization on all wingwalls unless founded on rock or granular material.
QUANTITIES: The quantities shown in the Culvert Summary include apron and/or soil saver quantities when their construction is required by the plans. Payment for additional quantities that result from including seal course and/or floating apron, as a change in original plans, shall be made at the Unit Price bid for the various items involved.
GRANULAR BACKFILL (WINGWALLS): Special backfill procedures may be required at the direction of the Engineer. See Auxillary Details Sheet.
STRIKE LINE: Wingwalls and that portion of the RCB outside the Strike Line shall be constructed level. Footing for wingwalls shall be constructed with the culvert floor. See wingwall detail sheet.

Minimum Splice Lengths	
#4	1'-4"
#5	1'-8"
#6	2'-0"

SUMMARY OF QUANTITIES	
Concrete (Grade 4.0)	54.08 C.Y.
Concrete (Grade 4.0)(AE)	0.0 C.Y.
Reinforcing Steel (Gr. 60)	7230 Lbs.
Reinforcing Steel (Epoxy Coated)	0 Lbs.
Class III Excavation	135 C.Y.
Foundation Stabilization	70 C.Y.
Concrete for Seal Course (Set)	0 C.Y.
Granular Backfill (Wingwalls) (Set)	0 C.Y.

NO.	DATE	REVISIONS	BY	APP'D
KANSAS DEPARTMENT OF TRANSPORTATION Br. No. 430400870WBFM35 S+g. I92+92.00 TRIPLE 8 ft x 5 ft RCB 6'-6 3/8" EXT. LT. 6'-6 3/8" EXT. RT.				
DESIGNED		6-5-91		KENNETH F. HURST
DETAIL CK.		QUANTITIES		TRACED
DESIGN CK.		QUAN. CK.		TRACE CK.

⚠ For design purposes ONLY. Do NOT use for Construction

Ext. Lt.	Crown Gr. Elev.	Design Fill Ht.	Skew	Wings	Scour Apron	Soil Saver	Concrete			Reinf. Steel (Gr. 60)		
							Barrel (Cu.Yds.)	Wings (Cu.Yds.)	Total (Cu.Yds.)	Barrel (Lbs.)	Wings (Lbs.)	Total (Lbs.)
1353.70	1361.92	0	0	FLARED	NO	YES	15.09	15.90	30.99	2775	1023	3798
1353.40				FLARED	NO	NO	15.17	7.92	23.09	2775	653	3428

BAR SCHEDULE																																		
		F1				F3				F4				S1				S3				S4				S5								
Ext. Lt.	Ext. Rt.	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length									
6	6	6"	16	26'-10"	N/A	N/A	N/A	N/A	N/A	5	7"	14	26'-10"	4	42	6'-2"	6	6"	16	26'-10"	N/A	N/A	N/A	N/A	5	7"	14	26'-10"	5	27	6'-2"	4	18	6'-2"
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4	9"	18	6'-3"	N/A	N/A	N/A	N/A	4	9"	18	6'-3"	5	2	26'-10"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Plotted By: unfiled
 Plot Location: %KDOTGRP%
 File: I:\2001\016\RCB\01616-RCB-Sta 192+92\KDOT V81.dgn
 Plot Date: 8/29/2008