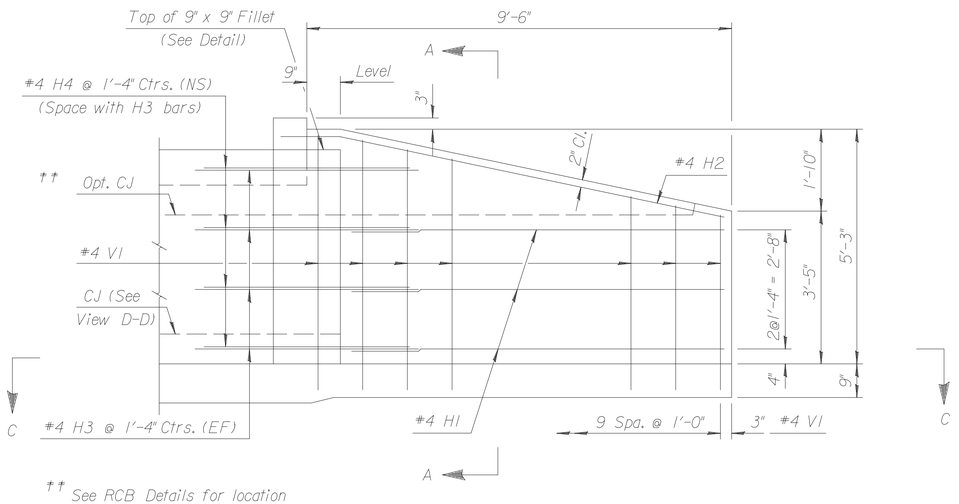
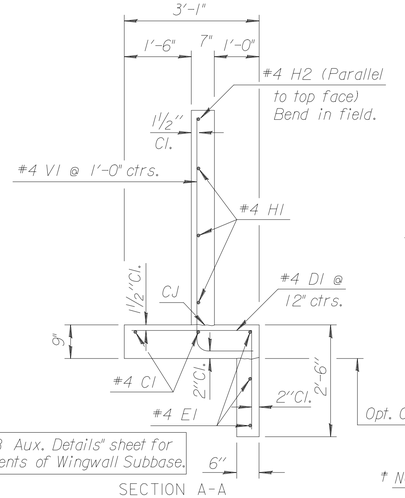
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84004	2005	96	215

VERSION: 5.1.0 COMPILED: 03/01/95



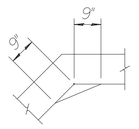
†† See RCB Details for location of construction joint.

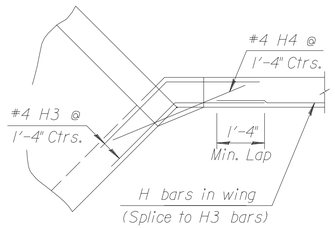
ELEVATION OF WINGWALL
(Backface Shown)



See "RCB Aux. Details" sheet for requirements of Wingwall Subbase.

SECTION A-A





DETAIL OF 9" x 9" FILLET
(Plan View)

† NOTE: Const. Jt. may be used at Contractor's option when approved by the Engineer. D1 bars or mesh may be spliced thus: ⌐ Minimum overlap shall be 1'-3". No increase in quantities or cost shall be allowed when Contractor elects this option.

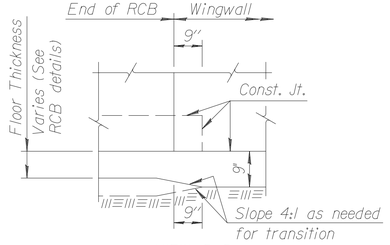
GENERAL NOTES

UNIT STRESSES: Grade 4.0 Concrete; f'c = 4,000 p.s.i.
Reinforcing Steel; fy = 60,000 p.s.i.

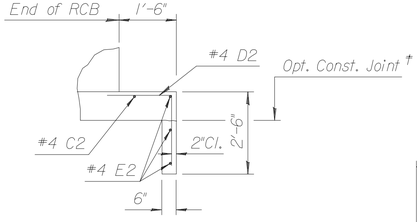
CONCRETE: Grade 4.0 Concrete shall be used throughout. Bevel all exposed edges with a ¾ inch triangular moulding.

REINFORCING: All reinforcing shall conform to ASTM A615, Grade 60. Welded Wire Fabric shall conform to ASTM A185. All dimensions relative to reinforcing steel shall be to center-line of bar unless otherwise noted.

QUANTITIES: Wingwall Quantities include all quantities outside the neat lines of the box, excluding the hubguard.

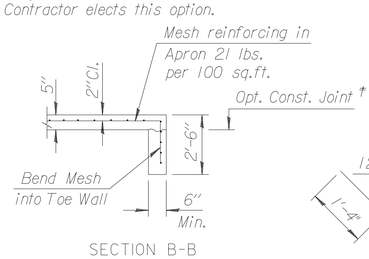


VIEW D-D

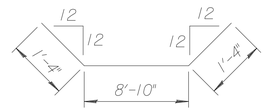


SECTION E-E

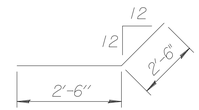
NOTE:
EF = Each Face
NS = Near Side
FS = Far Side
CJ = Const. Joint



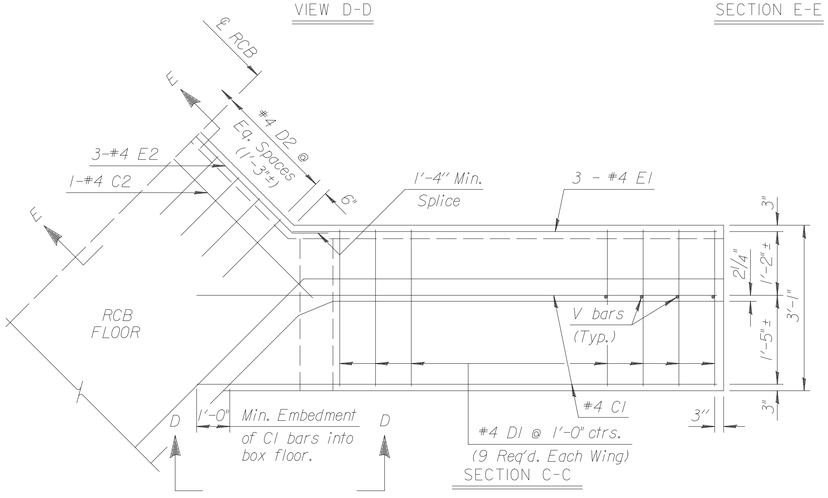
SECTION B-B



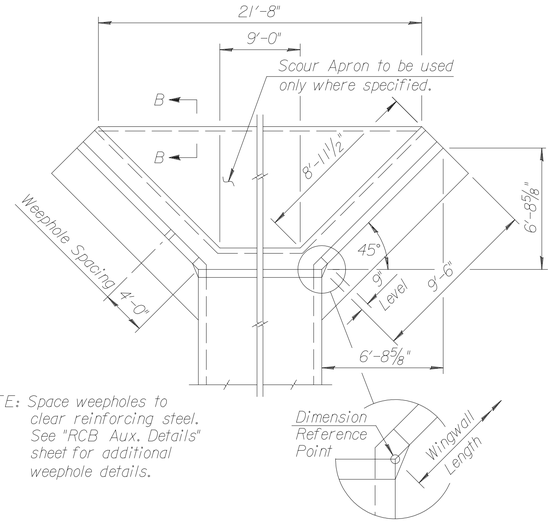
E2



H3



SECTION C-C



NOTE: Space weepholes to clear reinforcing steel. See "RCB Aux. Details" sheet for additional weephole details.

WING DIMENSIONS FOR NORMAL BOX
(3½:1 Embankment Slope)

V1
(2 Req'd., each length)

BENDING DIAGRAM
(All dimensions are out to out of bars.)

Quantities listed below are included in the Summary of Quantities shown on the RCB details.

WINGWALL QUANTITIES (One End Only)		
Grade 4.0 Concrete:		
Wingwalls	4.94	CY.
Apron	0.00	CY.
Soil Saver	0.00	CY.
Reinforcing Steel	377.87	Lbs.
Welded Wire Fabric	0.00	Lbs.

NOTE: Reinforcing Bar List is for both wings at one end of box only.

∗ See Bending Diagram

		#4C1	#4D1	#4E1	#4C2	#4D2	#4E2	#4V1	#4H1	#4H2	#4H3	#4H4
0° Skew	No.	4	18∗	6	1	7∗	3∗	20	6	2	16∗	8
	Length	11'-7"	4'-11"	8'-9"	9'-2"	5'-2"	11'-6"	∗	8'-4"	10'-3"	5'-0"	3'-6"

NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION
S†a. 72+53.25

FLARED WINGWALLS
4 FT. RISE (0°SKEW)

~~STD. NO. 10.00.04~~ SEDGWICK CO.

FHWA APPROVAL	6-5-91	APP'D	KENNETH F. HURST
DESIGNED	DETAILED	QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	QUAN.CK.	TRACE CK.

ORIG. FROM SHT. NO.	DESIGN	CHECK
	DESIGN	DATE
	DETAIL	DATE
	QUANTITIES	DATE
	TRACE	DATE
	RETRACED	DATE

Drawn By: KDOT
DGN File: ::/2004/04219/FINAL/04219-000_C-StormOutfallWingRHEK(V1).dgn
Plotted by: RAS 9-27-2005 View= PLOT10