

VERSION: 5.1.0 COMPILED: 03/01/95

CO.	CHECK	DATE
PROJ.	DESIGN	DATE
DESIGN	DETAIL	DATE
QUANTITIES	TRACING	DATE
RETRACTED		DATE

Drawn By: KDOT/RAS	View: PLOT10
DGN File: i:\2004\04106\newplans\PF295.dgn	
Plotted: r.ras 3-11-2004	

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	468-83775	2004	19	31

GENERAL NOTES

UNIT STRESSES: Class AAA Concrete; $f'_c = 4,000$ p.s.i.
Reinforcing Steel; $f_y = 60,000$ p.s.i.

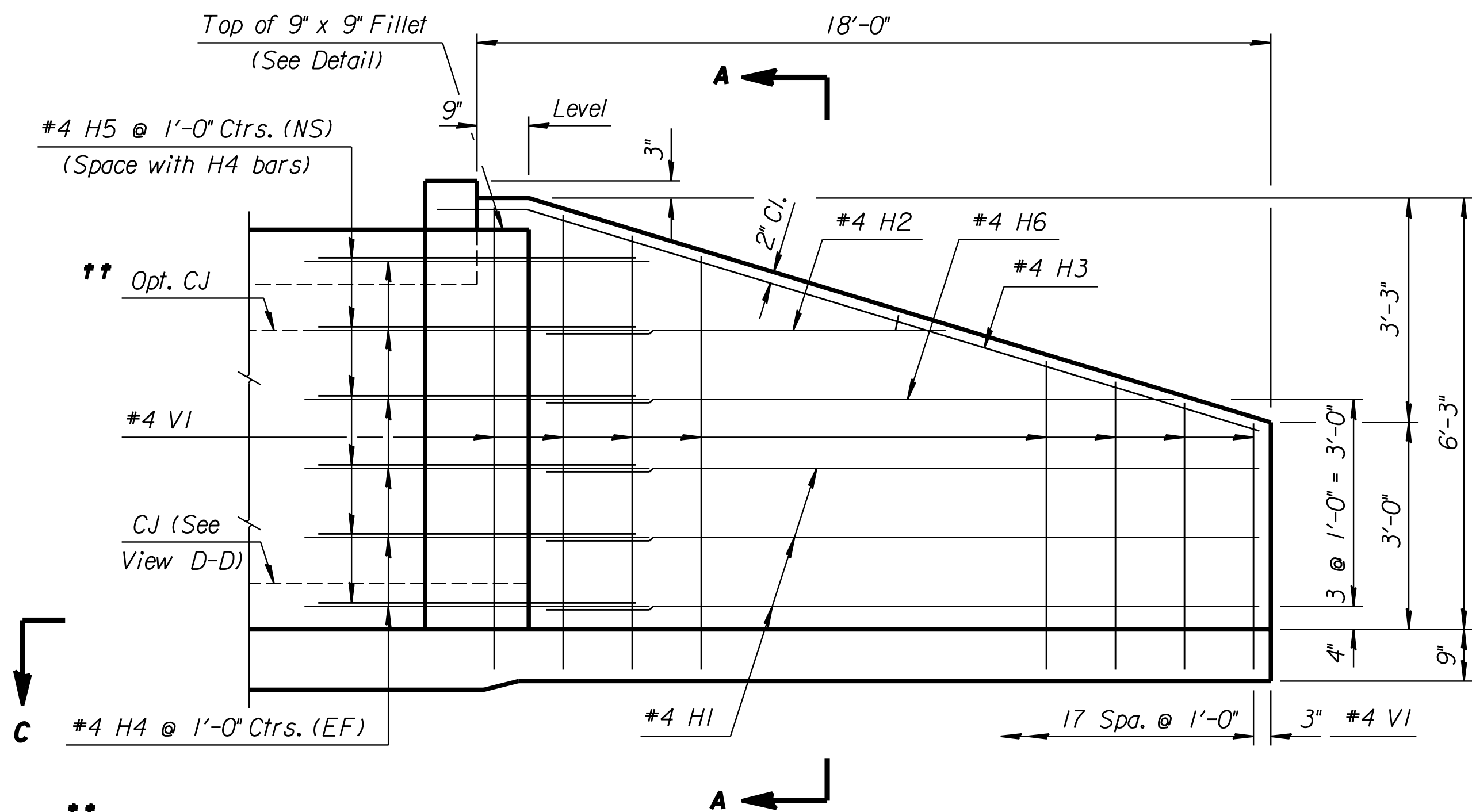
CONCRETE: Class AAA Concrete (AE) shall be used throughout. Bevel all exposed edges with a $\frac{3}{4}$ inch triangular moulding.

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.

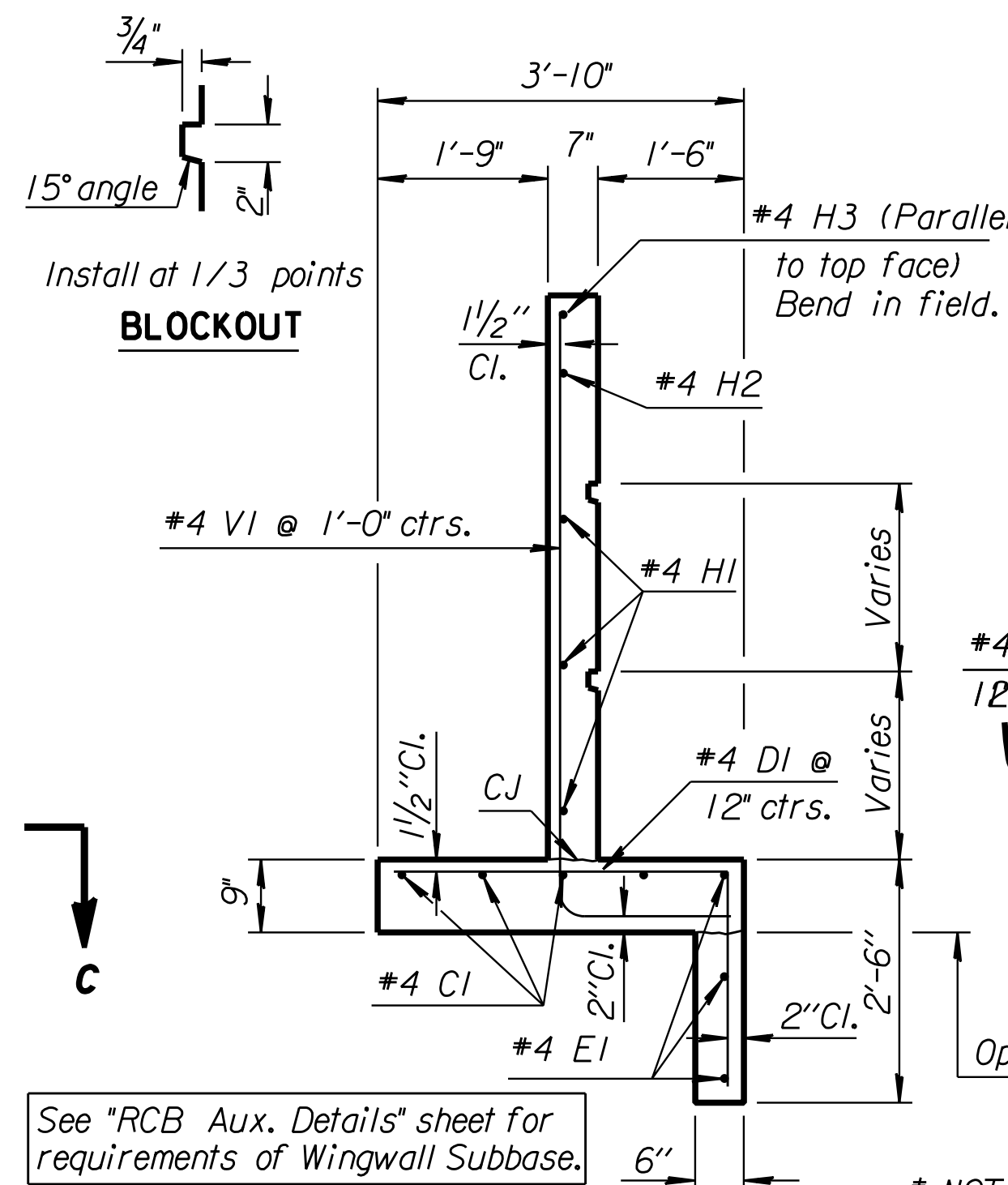
QUANTITIES: Wingwall Quantities include all quantities outside the neat lines of the box, excluding the hubguard.

APRON: A 5" concrete slab shall be constructed between the downstream wings in locations subject to scour only when specified on the plans or by the Engineer. Wire Reinforcing mesh shall be electrically welded and shall be composed of 6 x 6-W1.4 x W1.4 welded wire fabric and shall be classified as pounds of reinforcing.

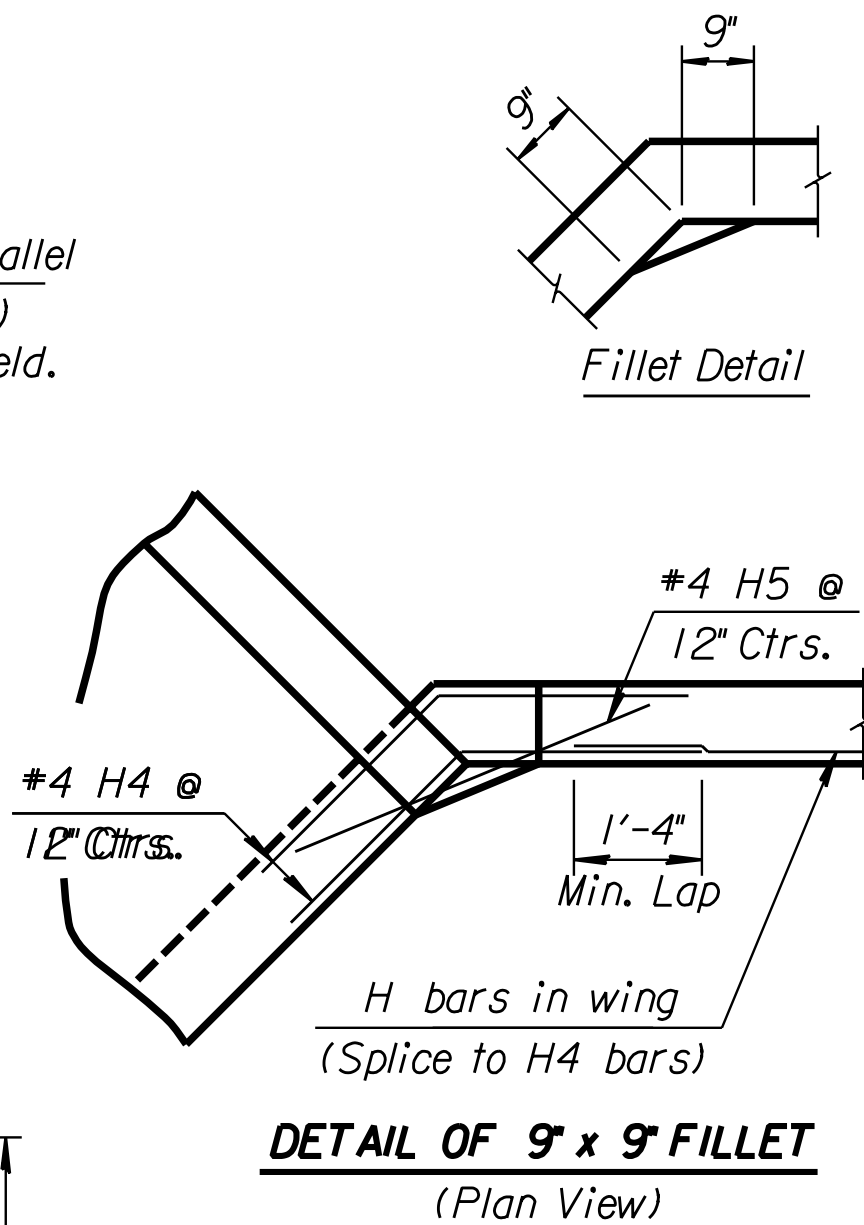
FOUNDATION AND BACKFILL MATERIAL: Soils judged as high plasticity clays, fat clays, expansive clays, or organic clays are unsuitable for foundation and/or backfill material for wingwalls and will not be used. Where these conditions exist, Foundation Stabilization and/or Granular Backfill (Wingwalls) shall be used as determined by the Engineer. See "RCB Auxiliary Details" sheet for additional details.



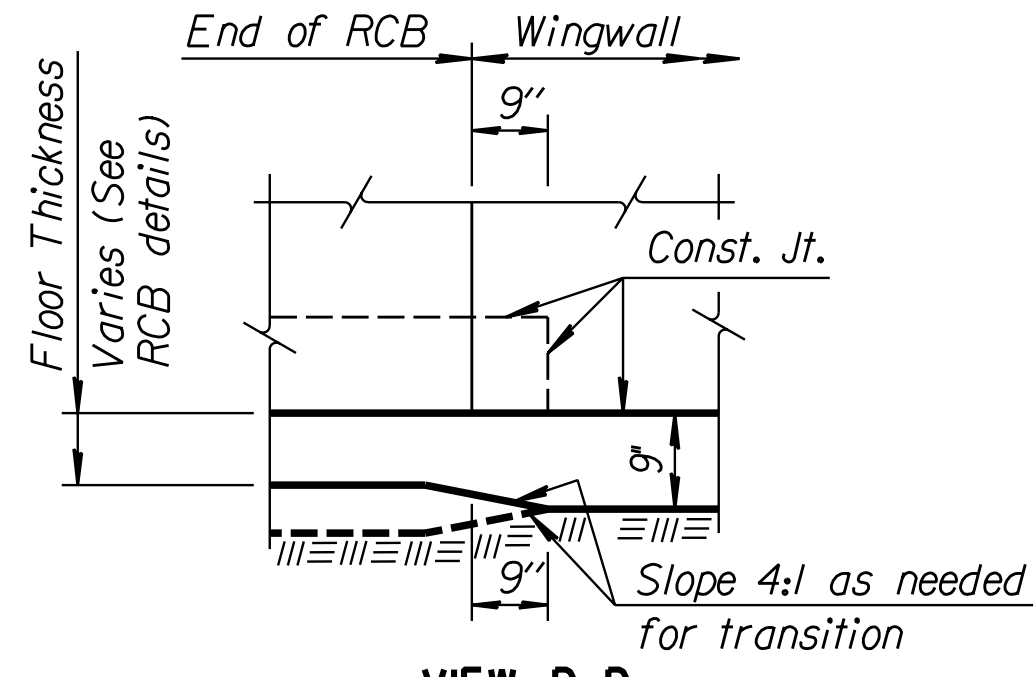
ELEVATION OF WINGWALL
(Backface Shown)



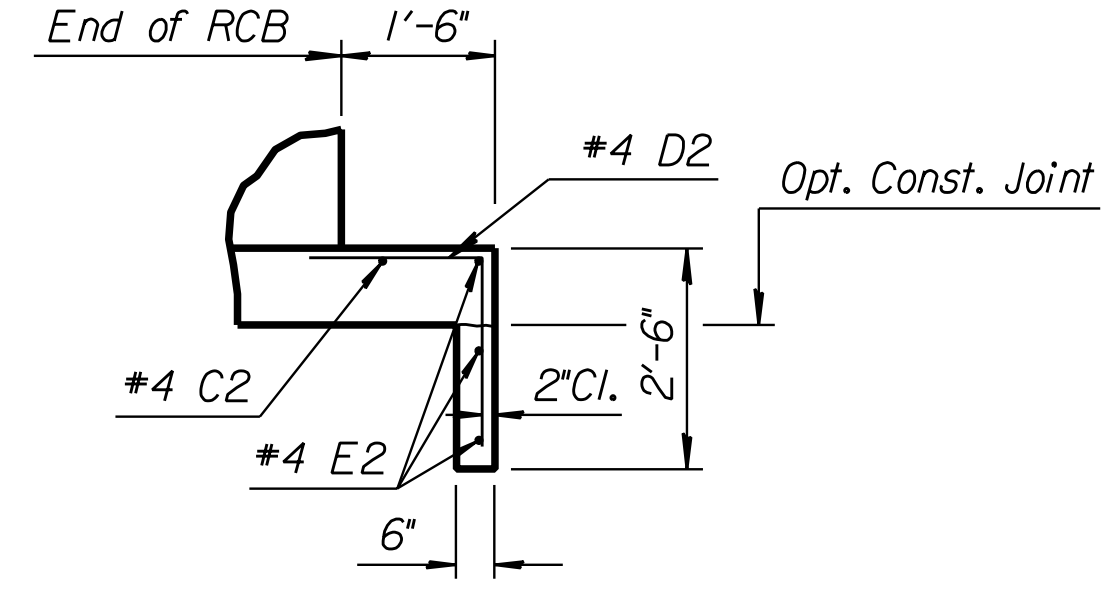
SECTION A-A



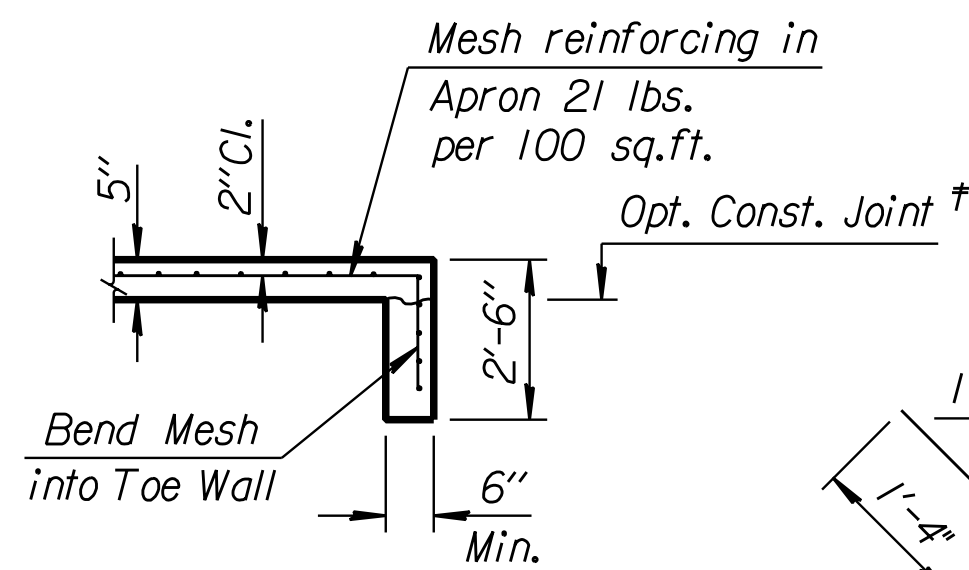
DETAIL OF 9" x 9" FILLET
(Plan View)



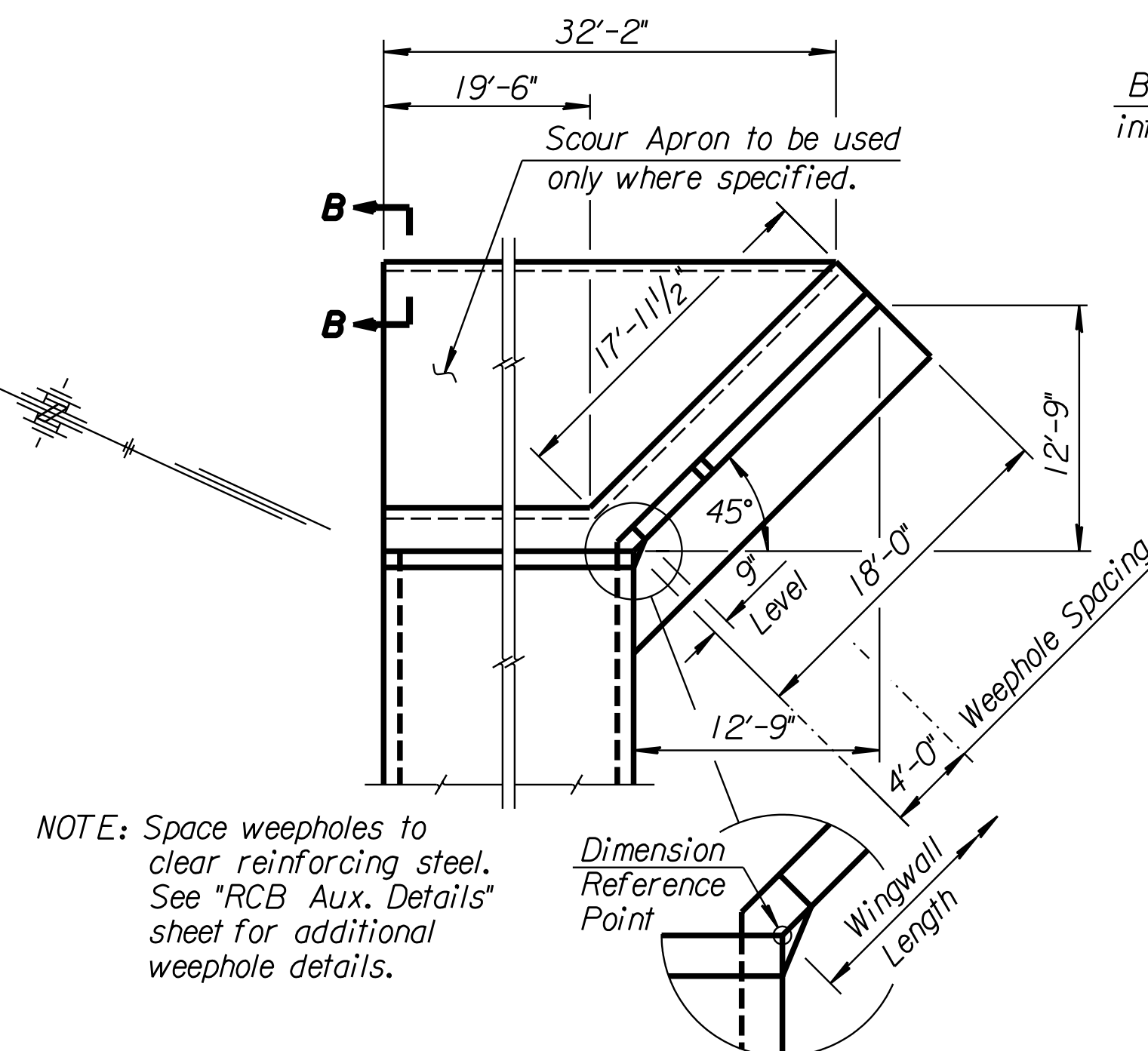
VIEW D-D



SECTION E-E



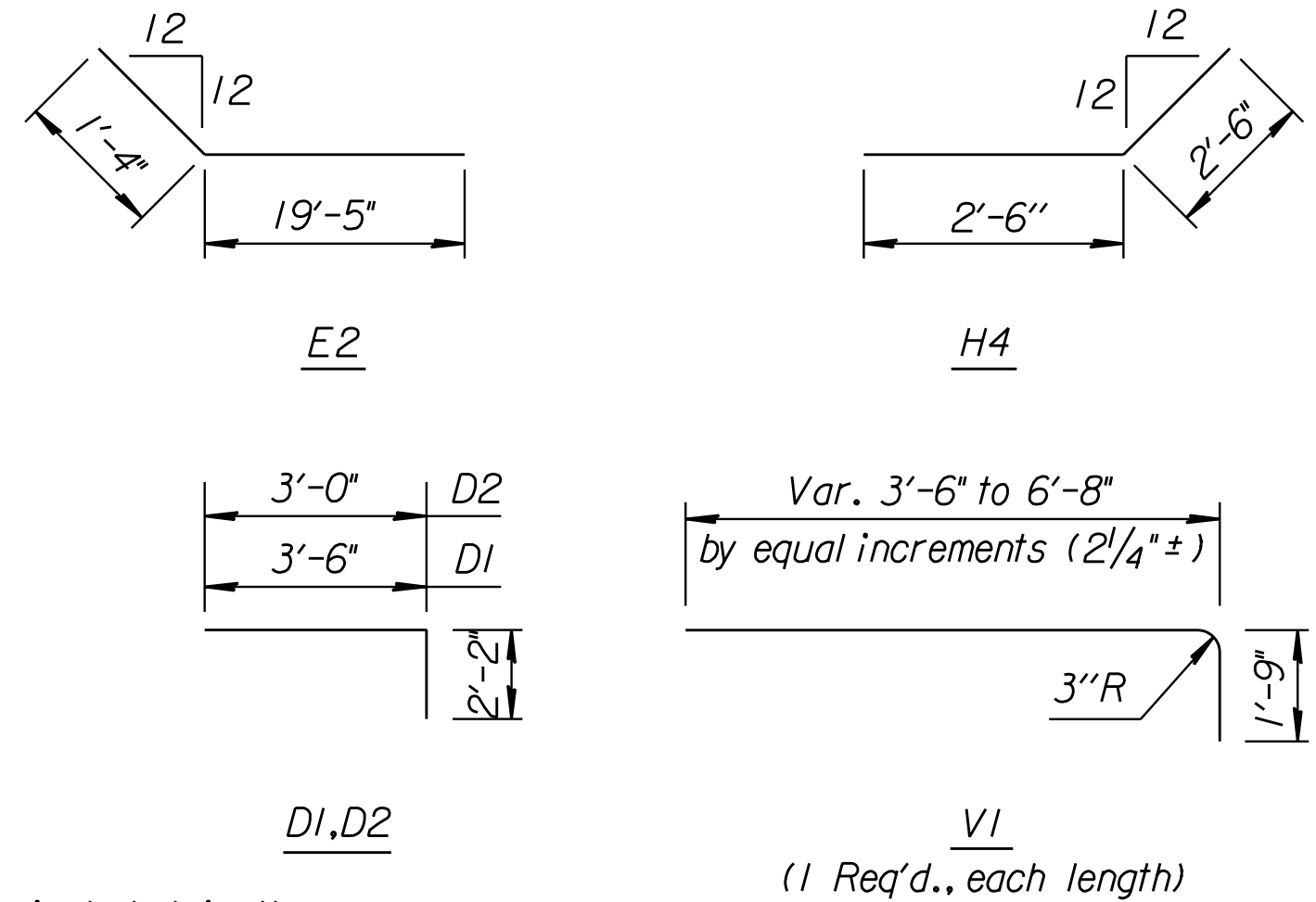
SECTION B-B



WING DIMENSIONS FOR NORMAL BOX
(4 :1 Embankment Slope)

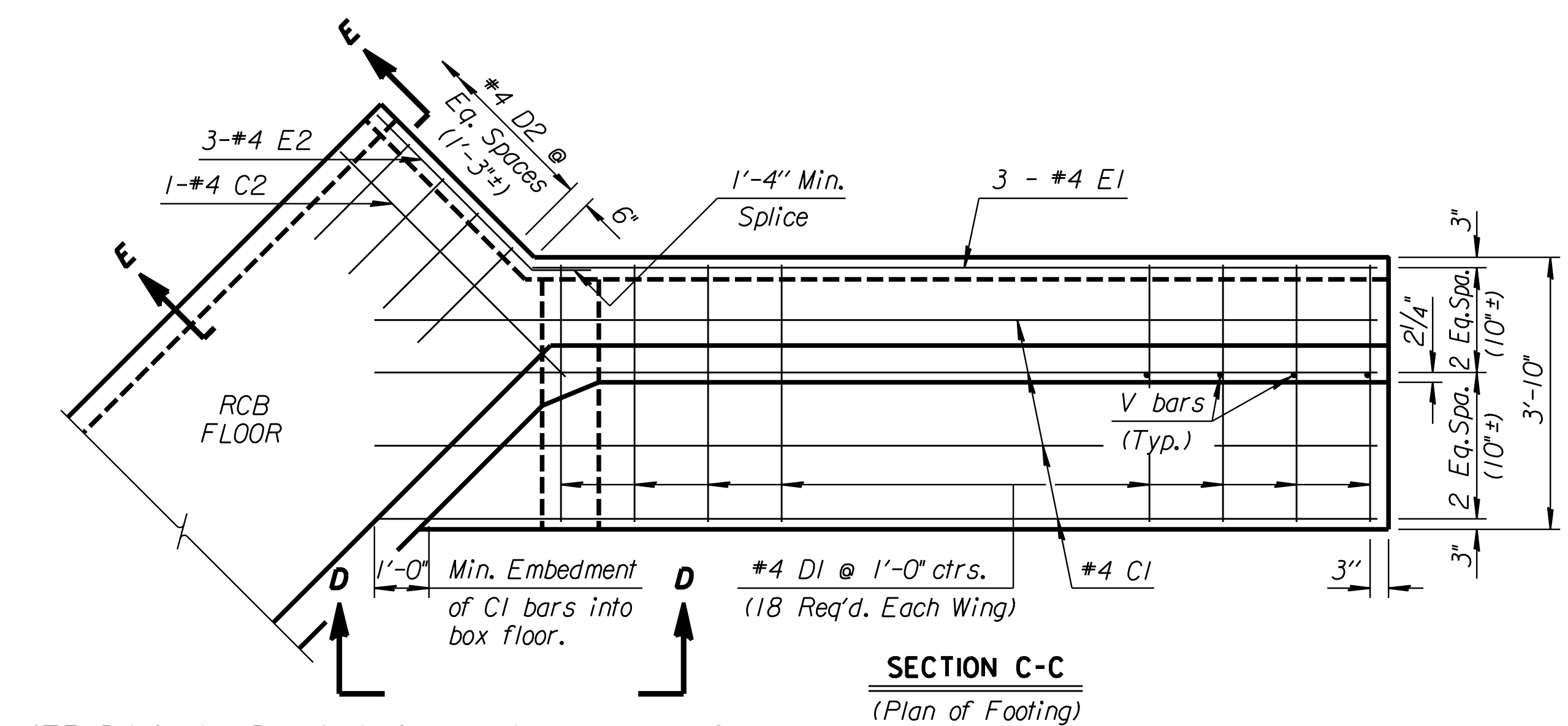
Quantities listed below are included in the Summary of Quantities shown on the RCB details.

WINGWALL QUANTITIES		(One End Only)	
Class AAA Concrete:			
Wingwalls	-----	5.95	CY.
Apron	-----	6.37	CY.
Reinforcing Steel			
	-----	469.8	Lbs.
Welded Wire Fabric			
	-----	96.8	Lbs.



BENDING DIAGRAM

(All dimensions are out to out of bars.)



SECTION C-C
(Plan of Footing)

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

0° Skew	# See Bending Diagram												
	No.	#4C1	#4D1	#4E1	#4C2	#4D2	#4E2	#4V1	#4H1	#4H2	#4H3	#4H4	#4H5
	4	18*	3	1	20*	3*	18	4	1	1	12*	6	1
Length	21'-0"	5'-8"	17'-9"	22'-3"	5'-2"	20'-9"	*	16'-10"	10'-2"	18'-9"	5'-0"	3'-6"	15'-2"

NO.	DATE	REVISIONS	BY	APP'D
KANSAS DEPARTMENT OF TRANSPORTATION				
Str. No. 614-33-4506		Sta. 124+79.43		
FLARED WINGWALLS				
5'-0" RISE (O'SKEW)				
(HEADWALL A)				
BR-10.00.05		SEDGWICK CO.		
DESIGNED	DETAILED	QUANTITIES	TRACED	
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.	