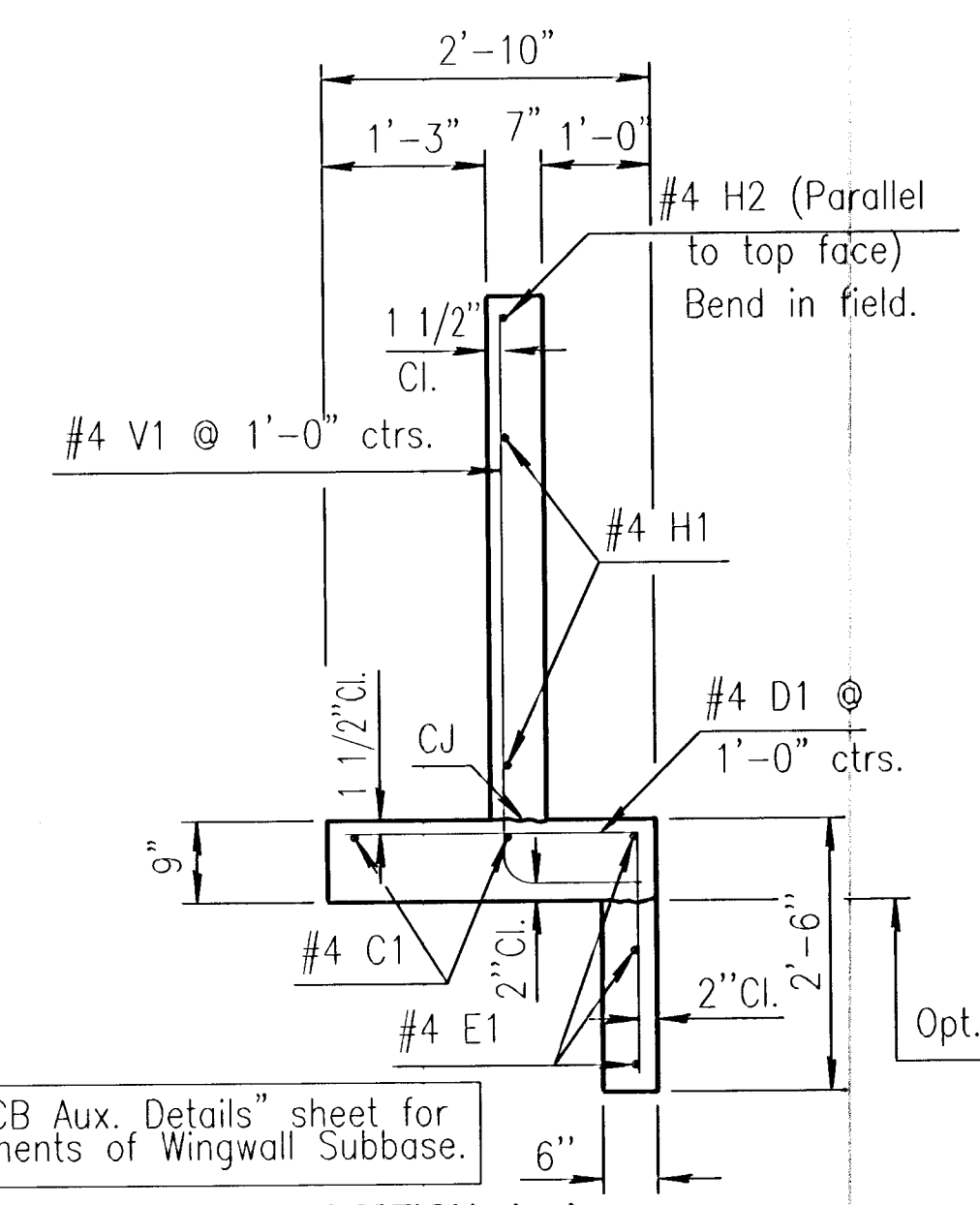
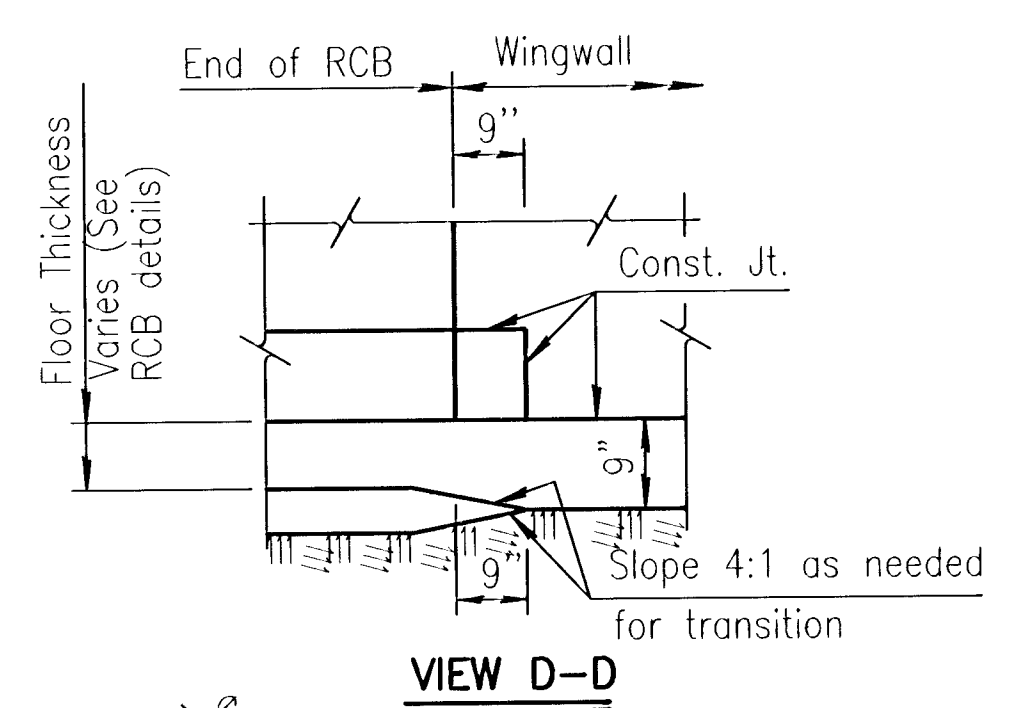


ELEVATION OF WINGWALL
(Backface Shown)

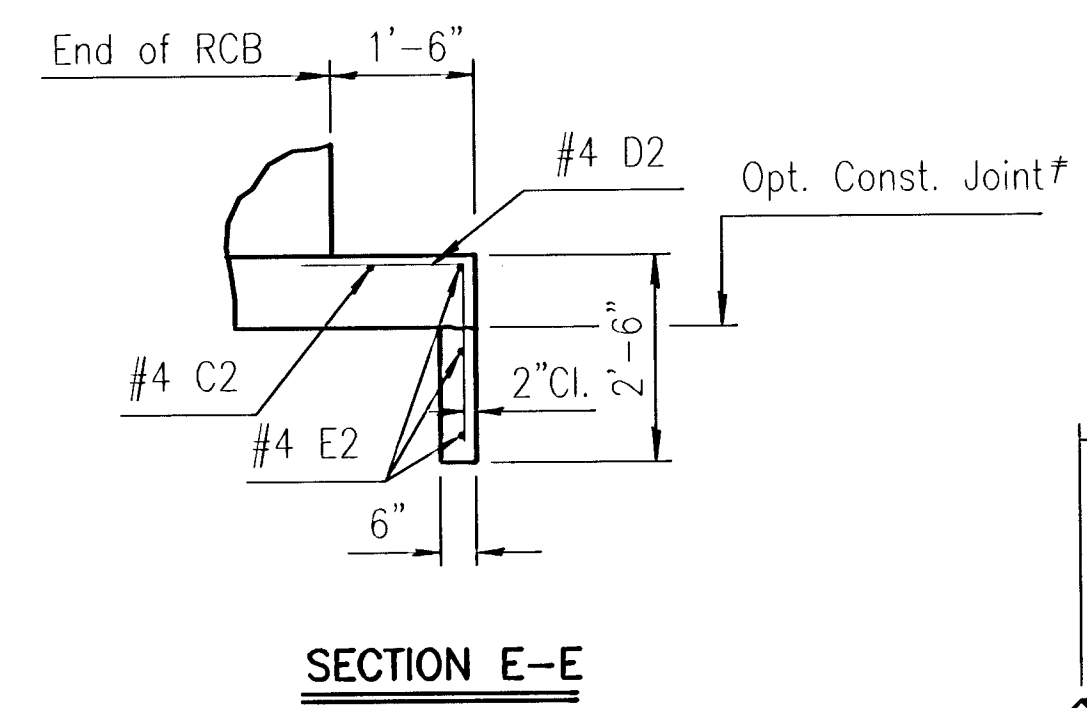


SECTION A-A

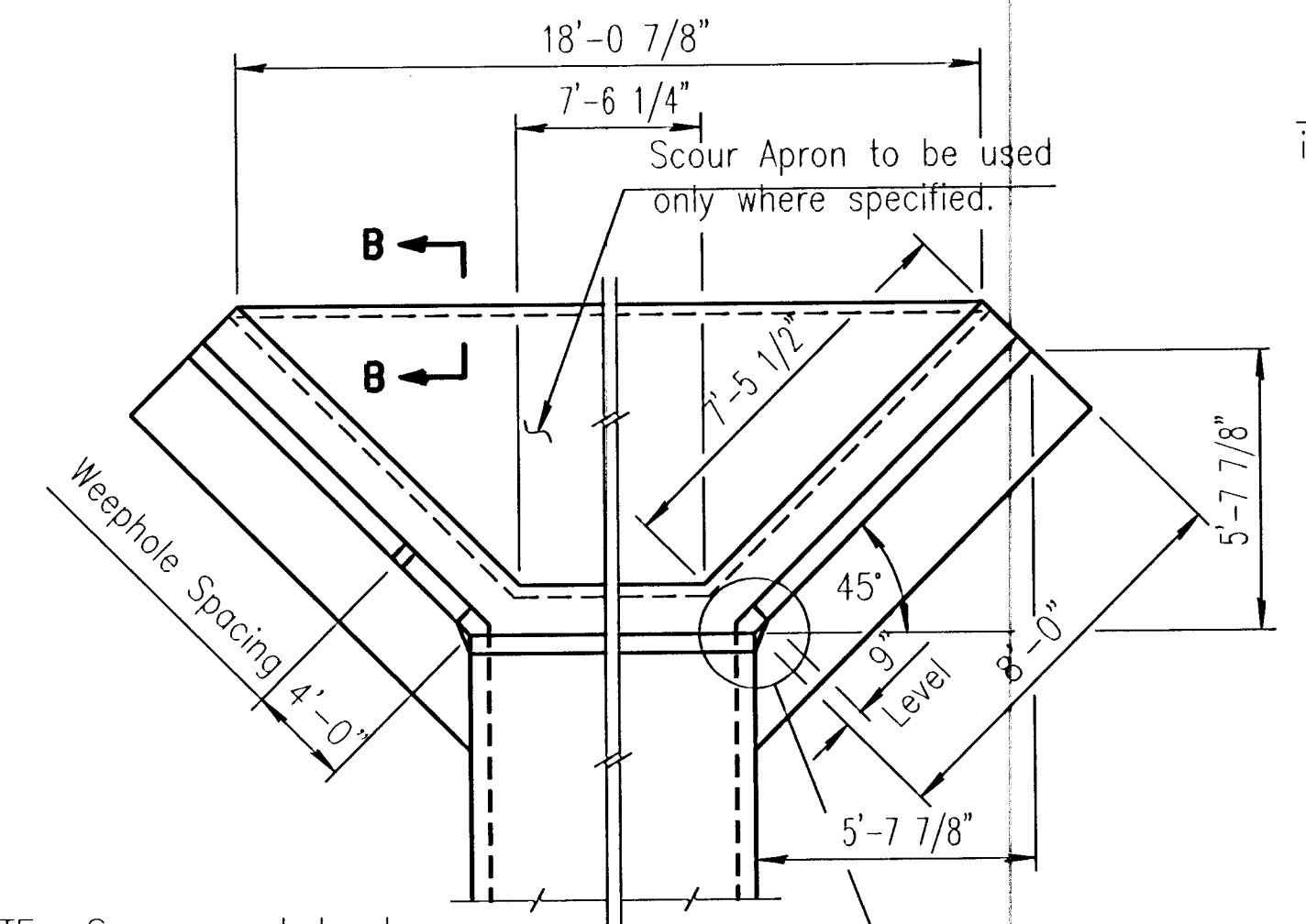
* NOTE: Const. Jt. may be used at Contractor's option when approved by the Engineer. D1 bars or mesh may be spliced thus: Minimum overlap shall be 1'-3". No increase in quantities or cost shall be allowed when Contractor elects this option.



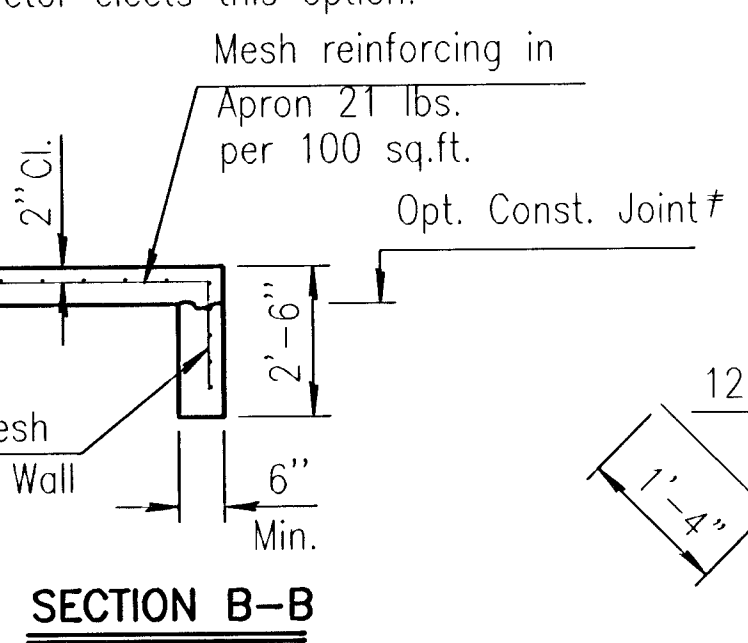
VIEW D-D



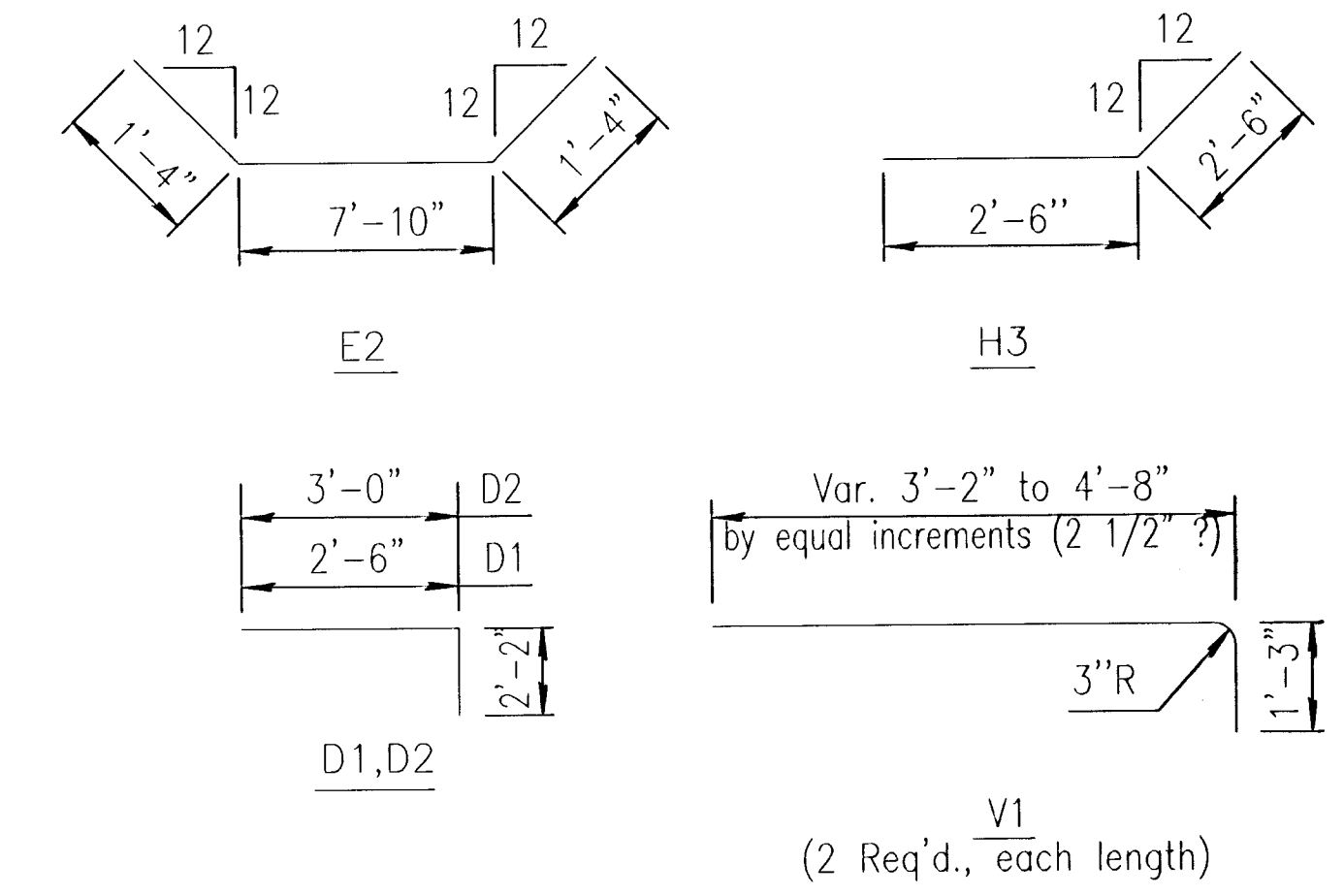
SECTION E-E



WING DIMENSIONS FOR NORMAL BOX
(3 1/2:1 Embankment Slope)



SECTION B-B



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)		
Concrete (Grade 4.0):		
Wingwalls	-----	3.7 CY.
Apron	-----	1.7 CY.
Soil Saver	-----	0.0 CY.
Reinforcing Steel 290 Lbs.		
Welded Wire Fabric 24 Lbs.		

** See RCB Details for location of construction joint.

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

0° Skew	#4C1	#4D1	#4E1	#4C2	#4D2	#4E2	#4V1	#4H1	#4H2	#4H3	#4H4
No.	4	16*	6	1	6*	3*	16	4	2	12*	6
Length	9'-10"	4'-8"	7'-3"	8'-8"	5'-2"	10'-6"	*	6'-10"	8'-9"	5'-0"	3'-0"

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 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.

EQUINESTRAN ESTATES ADDITION - PHASE 2
 STREET IMPROVEMENTS
 RCB DETAILS
POE & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 5940 E. Central, Suite 200 • Wichita, KS 67208-242
 Phone 316/685-4114 • FAX 316/685-4444
 C.O.W. Project # 472-85430 O.C.A. # 765869

POE

FINAL

Designed By: JMU/JPD
 Drawn By: JPD
 P.O. Job No.: 1694J
 Date: January 2006

SHEET
 61 of 78

KANSAS DEPARTMENT OF TRANSPORTATION				
Sta. 0+67.71				
3 ft Rise (0° SKEW)				
Sedgwick Co.				
NO.	DATE	REVISIONS	BY	APP'D
BR 10.00.03				
DESIGNED	DETAIL	QUANTITIES	TRACED	
DESIGN CK.	DETAIL CK.	QUAN CK.	TRACE CK.	