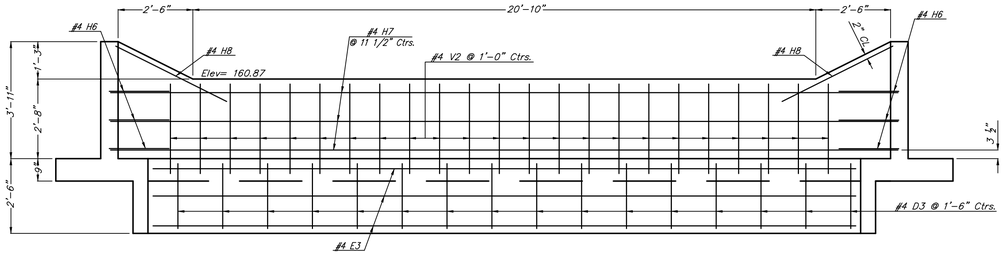
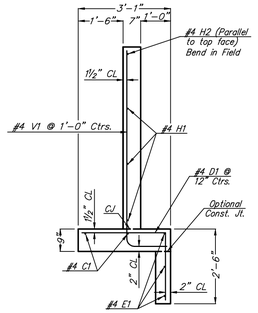
FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87N-0348-01	2007	45a	135

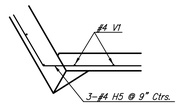


ELEVATION OF SOIL SAVER



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

Fillet Detail



DETAIL OF WINGWALL ABOVE RCB TOP
(Plan View)

GENERAL NOTES

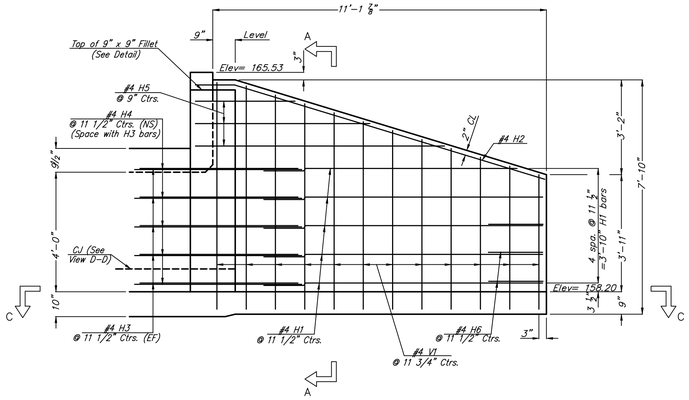
UNIT STRESSES: Grade 4.0 Concrete; f'c = 4,000 p.s.i.
Reinforcing Steel; fy = 60,000 p.s.i.

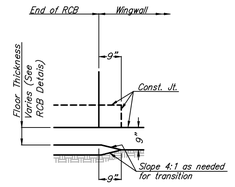
CONCRETE: Grade 4.0 Concrete shall be used throughout. Bevel all exposed edges with a ? inch triangular moulding.

REINFORCING: All reinforcing shall conform to ASTM A615, Grade 60. Welded wire fabric shall conform to ASTM A185. Wire fabric shall be electrically welded and shall be composed of 6x6–WI.4xWI.4 welded wire fabric and shall be classified as pounds of reinforcing.

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

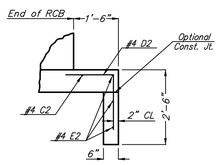
FOUNDATION AND BACKFILL MATERIAL: Soils judged as high plasticity clays, fat clays, expansive clays, or organic clays are unsuitable for foundation and/or backfill material for wingwalls and will not be used. Where these conditions exist, Foundation Stabilization and/or Granular Backfill (Wingwalls)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



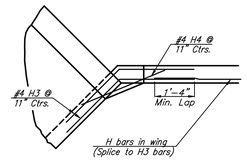


SECTION D–D

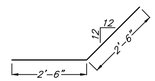
SECTION A–A



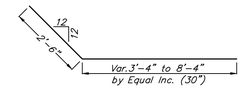
SECTION E–E



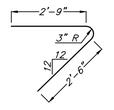
DETAIL OF 9" x 9" FILLET
(Plan View)



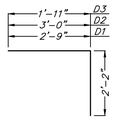
H3



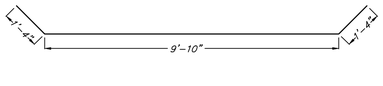
H5
(Cut 2 each length)



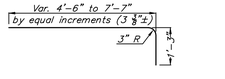
H6



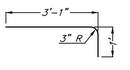
D1, D2, D3



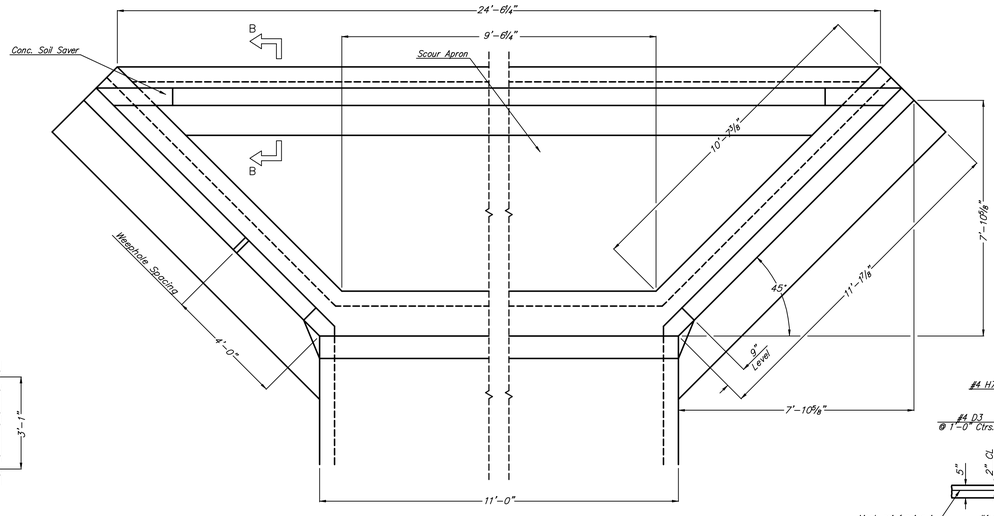
E2



V1



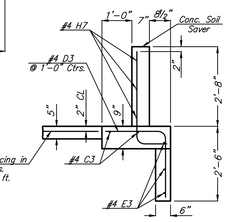
V2



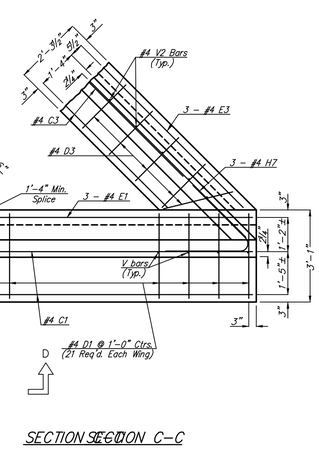
NOTE: Const. Jt. may be used as Contractor's option when approved by the Engineer. D1 bars or mesh may be spliced thus: Minimum overlap shall be 1'–3". No increase in quantities or cost shall be allowed when Contractor elects this option.

Summary of Quantities	
Concrete (Grade 4.0)	
Wingwalls	6.1 C.Y.
Apron	1.2 C.Y.
Soil Saver	4.8 C.Y.
Reinforcing Steel	900 Lbs
Welded Wire Fabric	16 Lbs

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



SECTION B–B



SECTION SECTION C–C
(Plan of Footing)

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

0° Skew		#4 C1	#4 D1	#4 E1	#4 C2	#4 D2	#4 E2	#4 V1	#4 H1	#4 H2	#4 H3	#4 H4	#4 H5	#4 H6	#4 H7	#4 V2	#4 D3	#4 E3	#4 C3	#4 H8
	Number	4	38	6	1	8*	3*	24	10	2	18*	10	6*	6*	2	34*	37	3	2	2
	Length	13'–3"	4'–11"	10'–5"	10'–8"	5'–2"	12'–6"	*	9'–4"	11'–11"	5'–0"	3'–0"	*	5'–0"	26'–4"	4'–1"	4'–1"	24'–2"	19'–11"	3'–0"

* See Bending Diagram

Drawing File: F:\eng\29th (Maize-119th)\Detail\Wingwall 2

Designs:	KK
Drawn:	JEB
Approved:	JFB
Scale:	1"=30'

Project No. 04-03-E828 CAPITAL IMPROVEMENT PROJECT

FLARED WINGWALLS Sta. 57+19.14 Lt.
4 ft. Rise (0° Skew) w/ Soil Saver

29th Street Paving Project - Maize Road to 119th Street

Baughman Company , P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

JUNE, 2006

SHEET 45a OF 135