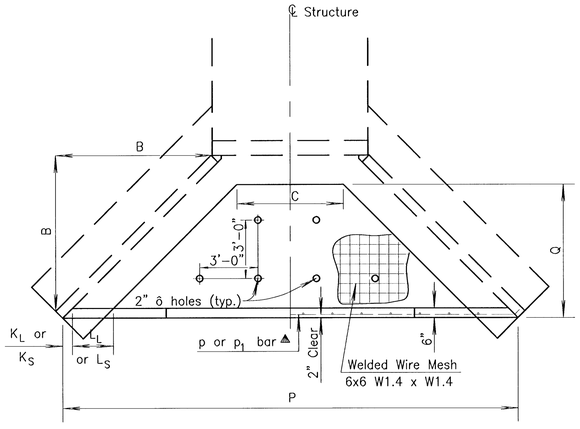
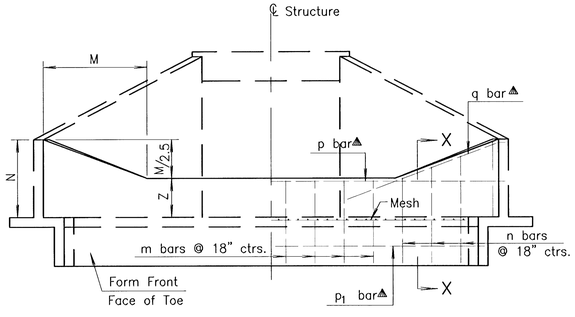


PLAN



ELEVATION AND SECTION

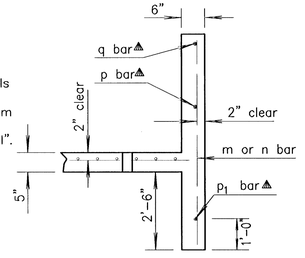
GENERAL NOTE

CONCRETE: Class AAA Concrete shall be used throughout. All exposed edges shall be finished with an edging tool.

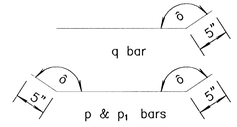
REINFORCING: All dimensions are to ℄ of bar except where noted. All reinforcing bars are No. 4. Reinforcing bars shall be Grade 60 billet steel. Minimum clearance on all reinforcement shall be 2". Weight of welded wire mesh is 21 lbs. per 100 sq. ft. Mesh shall be paid as pounds of reinforcing steel.

When holes in the apron are warranted by drainage conditions they shall be constructed as directed by the Engineer.

▲ Drill and grout p and q bars into wingwalls and p_1 bar into wing footings when the soil saver end wall is constructed separately from the wingwalls. Drilling and grouting shall be Subsidiary to the bid item "Reinforcing Steel".



SECTION X–X



ô Angle varies according to skew of RCB. Bars shall be field bent.

BENDING DIAGRAMS

STATION				SIDE					Skew		Z= 2'-0"	
Letter	B	C	K_L	K_S	L_L	L_S	M	N	P	P_L	P_S	Q
Dimension							4'-6"	3'-5"	26'-9"			
Bar	m	n*	p	p_1	q		Sq. Ft. Mesh					
Number							Class "AAA" Conc.					Cu.Yd.
Length							Reinf. steel					Lbs.

STATION				SIDE					Skew		Z=	
Letter	B	C	K_L	K_S	L_L	L_S	M	N	P	P_L	P_S	Q
Dimension												
Bar	m	n*	p	p_1	q		Sq. Ft. Mesh					
Number							Class "AAA" Conc.					Cu.Yd.
Length							Reinf. steel					Lbs.

STATION				SIDE					Skew		Z=	
Letter	B	C	K_L	K_S	L_L	L_S	M	N	P	P_L	P_S	Q
Dimension												
Bar	m	n*	p	p_1	q		Sq. Ft. Mesh					
Number							Class "AAA" Conc.					Cu.Yd.
Length							Reinf. steel					Lbs.

STATION				SIDE					Skew		Z=	
Letter	B	C	K_L	K_S	L_L	L_S	M	N	P	P_L	P_S	Q
Dimension												
Bar	m	n*	p	p_1	q		Sq. Ft. Mesh					
Number							Class "AAA" Conc.					Cu.Yd.
Length							Reinf. steel					Lbs.

STATION				SIDE					Skew		Z=	
Letter	B	C	K_L	K_S	L_L	L_S	M	N	P	P_L	P_S	Q
Dimension												
Bar	m	n*	p	p_1	q		Sq. Ft. Mesh					
Number							Class "AAA" Conc.					Cu.Yd.
Length							Reinf. steel					Lbs.

Quantities include apron and soil saver end wall.

*n bars are variable, increase by increments of 7". Cut 2 each length.

SUMMARY OF SOIL SAVERS

Station	Culvert Size	Side	Z	Skew

NO.	DATE	REVISIONS	BY	APP'D
2				
1	08-01-00	Revised Drill & Grout Note	R.J.S.	J.O.B.

KANSAS DEPARTMENT OF TRANSPORTATION

SOIL SAVER FOR R.C. CULVERTS

RD520

FHWA APPROVAL	8-23-00	APP'D. James O. Brewer	
DESIGNED	DETAILED	QUANTITIES	TRACED Bowser
DESIGN CK.	DETAIL CK.	QUAN.CK.	TRACE CK. Seitz

No.	Date	By	Approved	Revision

EQUESTRIAN ESTATES – PHASE 1
STREET IMPROVEMENTS
SOIL SAVER DETAILS
CITY OF WICHITA, KANSAS
MICHAEL L. LANSDOWN, P.E. – CITY ENGINEER
C.O.W. Project # 472-83424 O.C.A. # 765705

POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS
5940 E. Central, Suite 200 ■ Wichita, KS 67208-4242
Phone 316/685-4114 ■ FAX 316/685-4444

FINAL

Designed By: J. Ubert / J. Dickman
Drawn By: J. Dickman
Poe Job No.: 1694A
Date: March 2002

Sheet 94 of 112

G:\APPS\DGN\PJ0694\BASE-ST.dwg Fri, Mar 22 11:26:06 2002 Bernard Kulla - POE & ASSOCIATES OF KANSAS INC.

SH-01-SWK