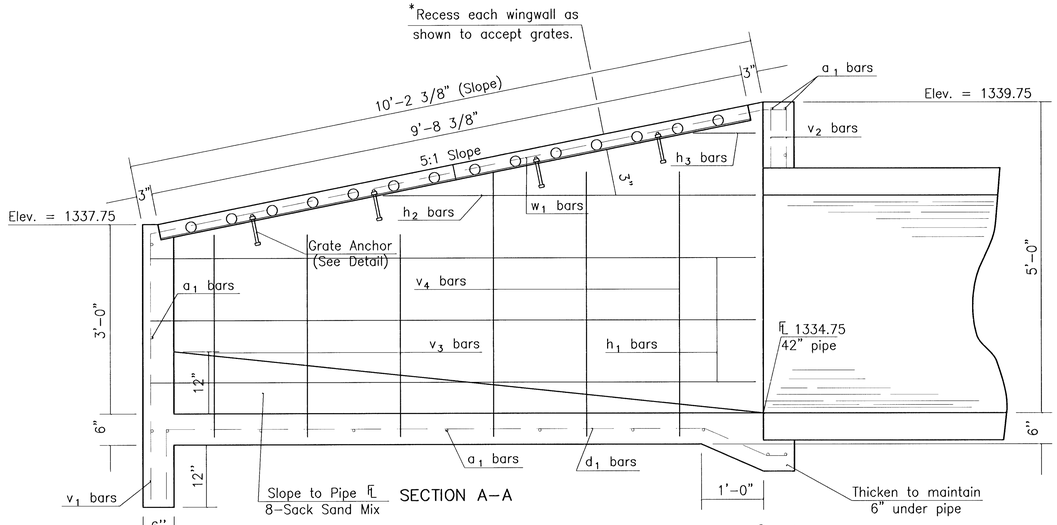
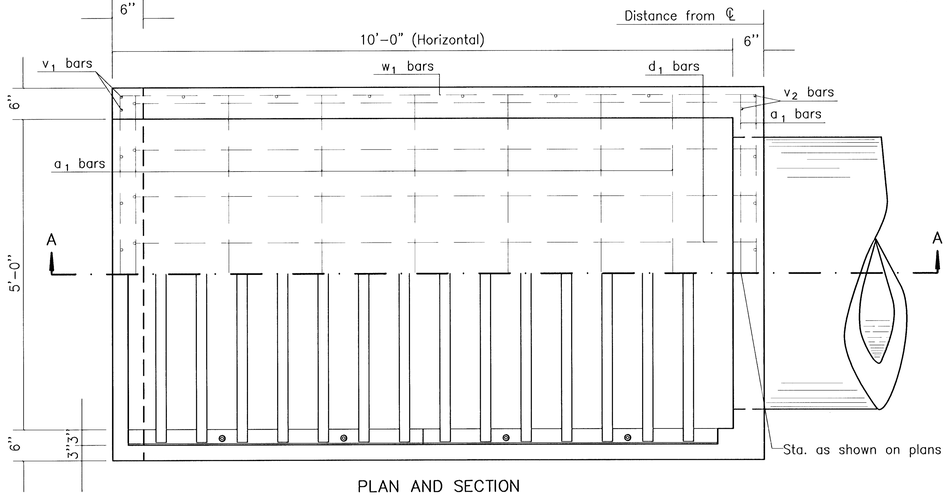
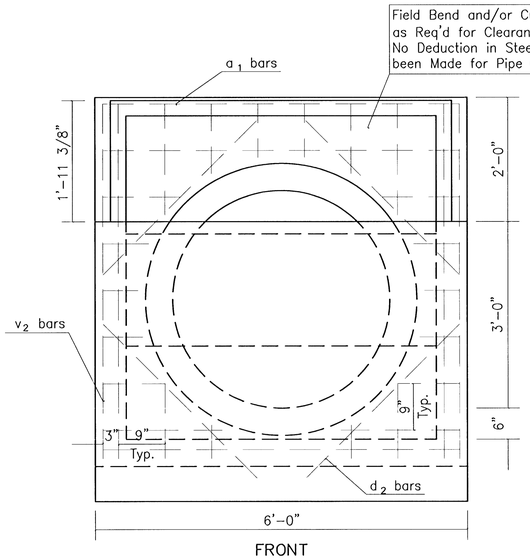




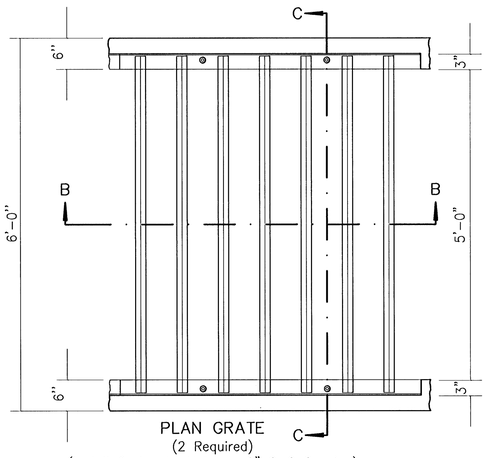
PLAN AND SECTION



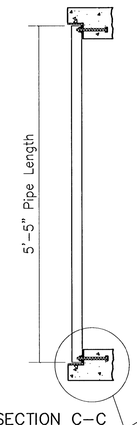
FRONT

BILL OF MATERIAL			
Bar	Number	Size	Length
a1	21	#4	5'-9"
d1	8	#4	11'-3"
d2	4	#4	3'-6"
h1	6	#4	9'-9"
h2	2	#4	6'-0"
h3	2	#4	1'-0"
v1	10	#4	4'-3"
v2	10	#4	5'-9"
v3	6	#4	3'-3"
v4	6	#4	4'-3"
w1	2	#4	10'-3"
*Concrete			13.1 C.Y.
Reinf. Steel			310 Lbs.
Struct. Steel			375 Lbs.

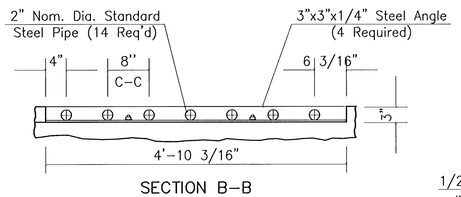
*No deduction for grate recess.



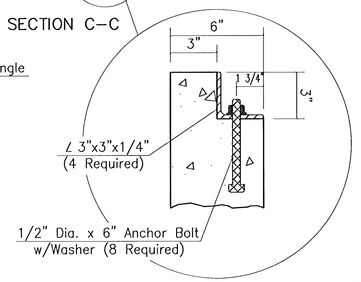
PLAN GRATE
(2 Required)
(Install Grates to Maintain 8" C-C Spacing)



SECTION C-C



SECTION B-B



GENERAL NOTES

Concrete used for shaping shall be concrete pavement mix.
Bevel all exposed edges with a 3/4" triangular moulding.
The pipe shown on this sheet may or may not indicate that the pipe installed will be reinforced concrete, steel, or aluminum.
Payment shall be per each for "Special Inlet". This price shall be full compensation for all labor and materials necessary to complete the work.
Floor of inlet shall be shaped as shown.
All reinforcing steel shall have 1 1/2" minimum cover.
All slipes of reinforcing steel shall have a minimum overlap of 16 inches.

Steel for grates shall be fabricated from standard or commercial grade structural steel and black steel pipe. The unit shall be hot dipped, galvanized after fabrication, in accordance with ASTM A123 except the weight of coating shall average not less than 2.0 ounces per square foot of actual surface and no individual test shall show less than 1.8 ounces of coating per square foot of actual surface area.
All welds required in the construction of grate shall be 1/4" continuous butt-welds.

No.	Date	By	Approved	Revision
1				
2				
3				

EQUESTRIAN ESTATES - PHASE 1
STREET IMPROVEMENTS
SPECIAL INLET

CITY OF WICHITA, KANSAS
MICHAEL E. LINEBAUGH, 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 316/685-4111 ■ FAX 316/685-4444

FINAL

Designed By: J. Ubert / J. Dickman
Drawn By: J. Dickman
Poe Job No.: 16944
Date: March 2002

Sheet
100 of 112

G:\APPS\DCA\P\16944\BASE-ST.dwg Thu Mar 21 14:31:45 2002 Bernard Kulla - POE & ASSOCIATES OF KANSAS INC.

SH SPN-1