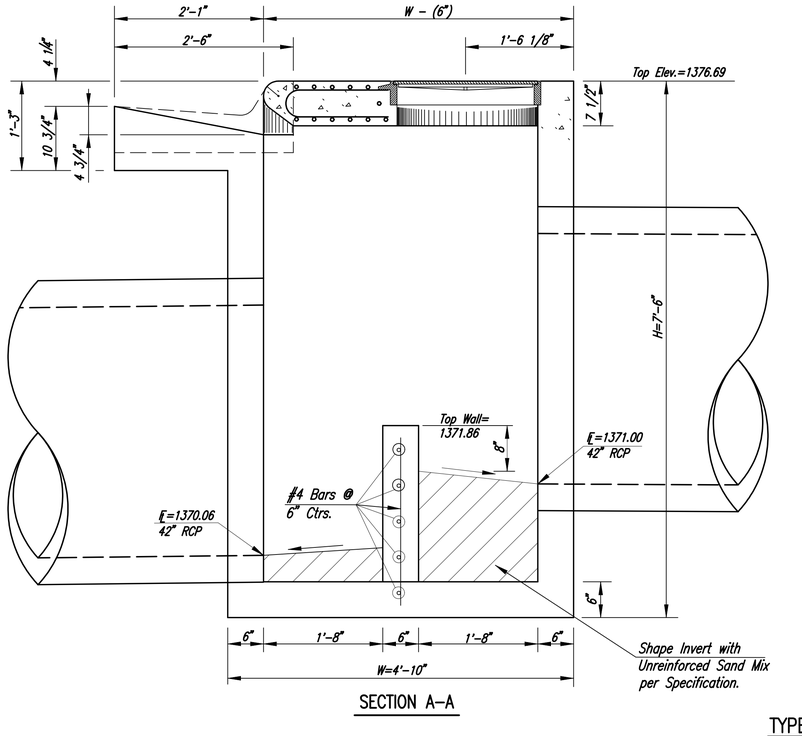
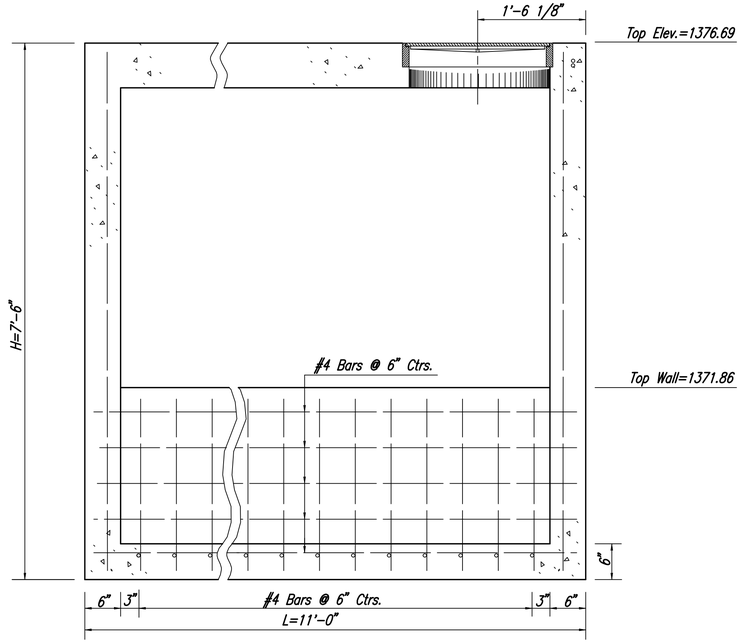


SECTION A-A



SECTION B-B

Note: Details shown for special interior wall only.
See Std. No. RD646 for inlet reinforcing.

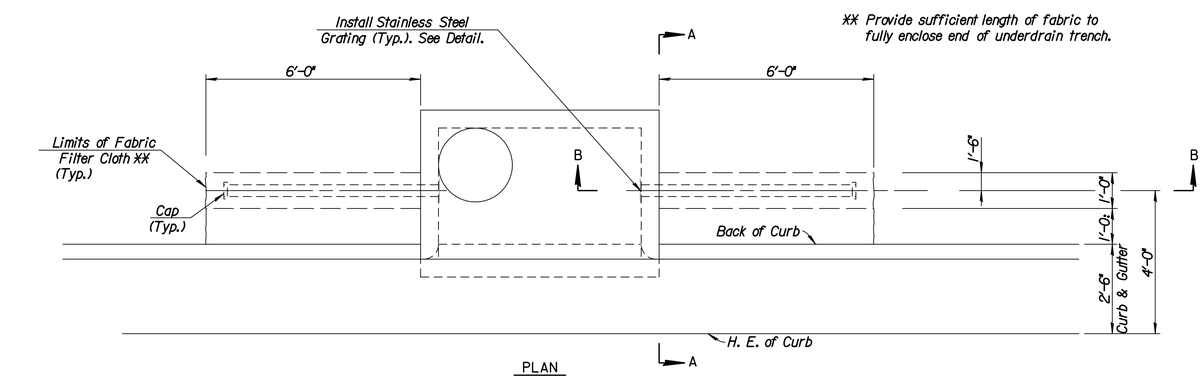
BILL OF MATERIALS FOR INLET TYPE 22 (SPECIAL)

"L" "W" "H"
11'-0" x 4'-10" x 7'-6"

Bar	No.	Size	Length	Bar	No.	Size	Length	Bar	No.	Size	Length
a	2	#4	3'-2"								
a_1	2	#4	3'-8"								
a_2	16	#4	10'-0"								
b	42	#4	4'-7"								
b_1	2	#4	4'-1"								
c	40	#4	10'-9"								
c_1	4	#4	8'-6"								
c_2	4	#4	8'-3"								
v	20	#4	6'-0"								
v_1	34	#4	7'-3"								
x	2	#4	5'-0"								
Class "A" Conc. 5.35 Cu.Yd.				Class "A" Conc.			Cu.Yd.	Class "A" Conc.			Cu.Yd.
Reinf. steel 832 Lbs.				Reinf. steel			Lbs.	Reinf. steel			Lbs.
Class III Excav. 25 Cu.Yd.				Class III Excav.			Cu.Yd.	Class III Excav.			Cu.Yd.

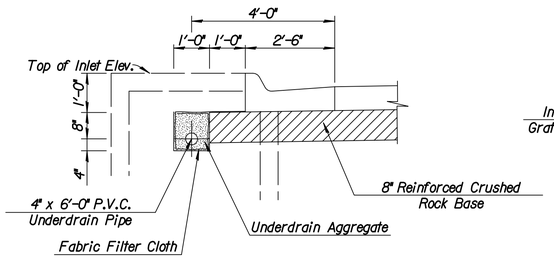
TYPE 22 SPECIAL INLET

SWS Line No. 108 Sta.4+79.5

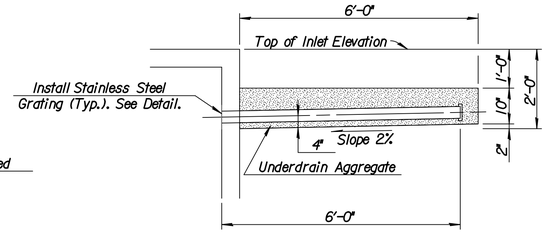


PLAN

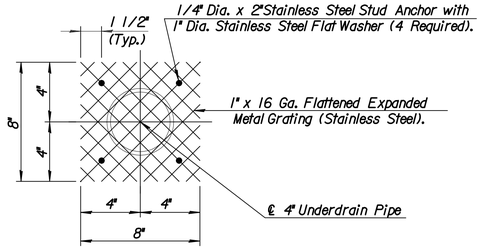
XX Provide sufficient length of fabric to fully enclose end of underdrain trench.



SECTION A-A



SECTION B-B



UNDERDRAIN GRATING DETAIL

UNDERDRAIN DETAILS AT CURB INLET LOCATIONS

GENERAL NOTES

1. Underdrain pipe shall be perforated Polyvinyl Chloride Pipe conforming to the requirements of ASTM F-758.
2. Pipe shall be placed so that the perforations are positioned on the bottom of the pipe.
3. Underdrain aggregate shall be type BD-1 per KDOT Standard Specifications Section 1108.
4. Provide sufficient length of filter fabric to completely enclose the underdrain aggregate on all sides.
5. Fabric filter cloth shall extend at least to the back of curb to cover the Reinforced Crushed Rock Base. The cloth may extend under the curb and gutter.
6. Underdrain shall be measured and paid for at the contract unit price bid per lineal foot for "Underdrains" and shall be full compensation for all materials, labor, equipment and incidentals necessary to complete the work as shown on this sheet.

Underdrains shall be located on the upstream side of curb inlets on grade and on both sides of curb inlets in sump conditions.

No.	Revision	By	Date

GREENWICH ROAD

SPECIAL INLET DETAILS

JAMES L. ARMOUR, P.E.-CITY ENGINEER
CITY OF WICHITA PROJECT NO. 472-84004

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by	JPM, JGP	Job No.	04219	Sht. 81 of 205
Drawn by	JGP, RJM	Date	AUGUST, 2004	

DSNR: OPER: JGP SCALE:
I:/2004/04219/STANDARDS/INLET_DTLS.DGN 8-25-2005 13:33:14 LAST REV: 9/27-2005 BY: RJM