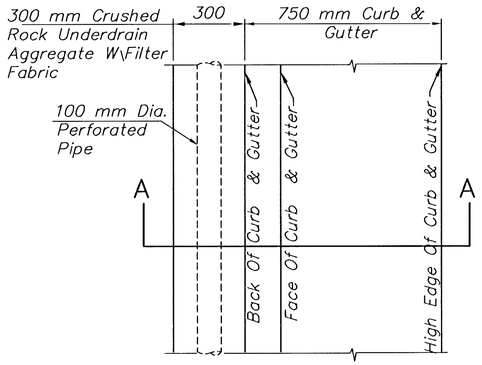
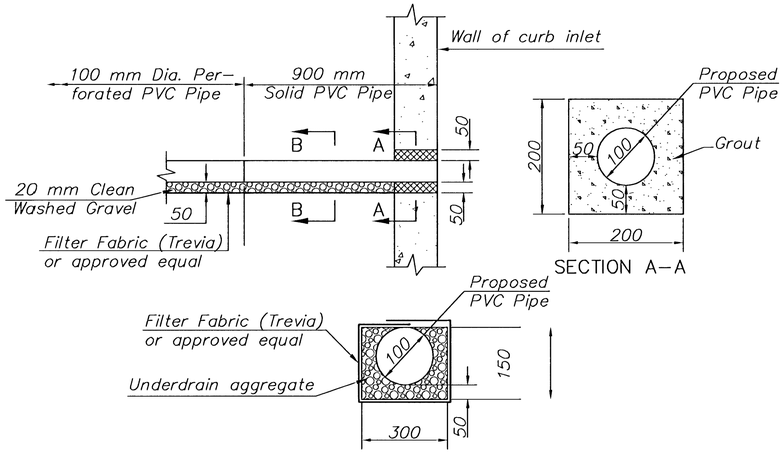


PAVEMENT UNDERDRAIN PLAN

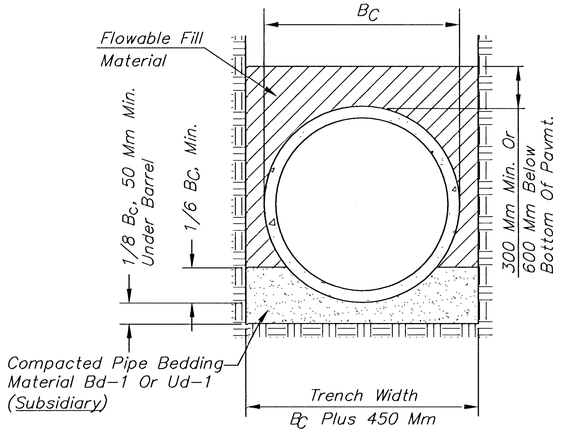
AT BACK OF CURB

NO SCALE



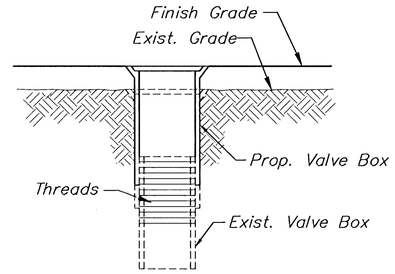
MEDIAN PIPE UNDERDRAIN CONNECTION DETAIL
(PAVEMENT UNDERDRAIN CONNECTION SIMILAR)

Contractor to remove 200 mm x 200 mm Section from exist./new curb inlet and patch around 100 mm (Solid) PVC Pipe. All costs associated with making connections will be Subsidiary to either of the appropriate bid items "Pavement Underdrain" or "Median Pipe Underdrain".



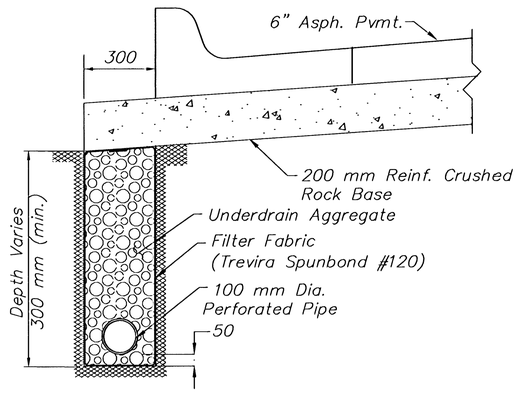
DETAIL OF FLOWABLE FILL FOR STORM SEWERS

Additional Flowable Grout Outside Of The Above Noted Boundary Plane Shall Be Subsidiary.
Note: Cure Time To Be 3 Days Prior To Backfill



VALVE BOX ADJUSTMENT DETAIL

Valve Adjustment Shall Be Paid As "Adjustment Of Valve Boxes".



PAVEMENT UNDERDRAIN SECTION A-A

AT BACK OF CURB

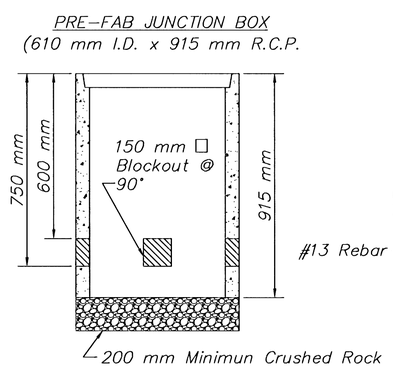
NO SCALE

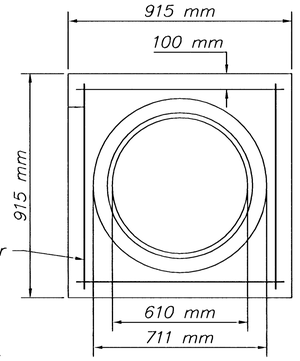
UNDERDRAIN AGGREGATE

Percent Of Aggregate Retained

1"	0
3/4	20-60
3/8	45-80
#4	90-100
#8	95-100

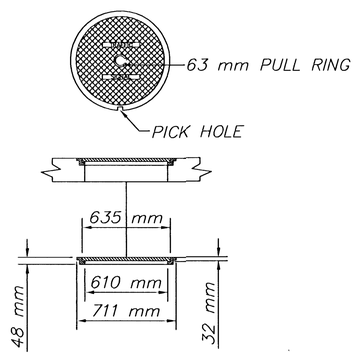
Rock Quality Shall Conform To The Requirements Specified By The KDOT 1990 Edition Standard Specification Subsection 1102 For Durability Class 1.





JUNCTION BOX CAP

915 mm x 915 mm x 150 mm Top of cap to be flush with ground level



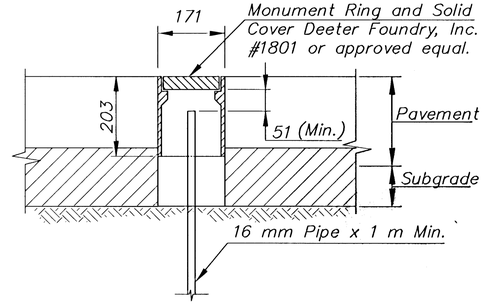
RING & COVER DETAIL

JUNCTION BOX SUMMARY			
STATION	OFFSET	STATION	OFFSET
0+208.0	12.2 m Rt.	0+515.0	17.2 m Rt.
0+253.0	10.1 m Rt.	0+599.8	14.1 m Rt.
0+298.0	10.1 m Rt.	0+604.8	14.1 m Rt.
0+343.0	10.1 m Rt.	0+649.7	14.1 m Rt.
0+388.0	10.1 m Rt.	0+694.7	15.1 m Rt.
0+433.0	10.1 m Rt.	0+739.7	15.1 m Rt.
0+476.9	18.1 m Rt.		

TRAFFIC JUNCTION BOX DETAIL
(13 REQUIRED)

NOTES:
1. *Conduit connection to be flush to within 125 mm of inside face of side wall. Conduit to drain into Junction Box.*
2. *Conduit connections to Junction Box shall be terminated with plastic cable bushing.*
3. *Conduit shall be sealed with approved sealer at inside wall face.*
4. *Slope conduit to drain as directed by the Engineer.*

TRENCHING:
1. *Depth to be 750 mm minimum with roack & stubble free backfill to serve as bedding material. Maintain minimum conduit depth in trench.*
2. *Backfill to be compacted in 150 mm loose lifts by hand or mechanical tamping to a 95% standard density.*



SURVEY MONUMENT DETAIL
(2 REQUIRED)

The Installation of Survey Monument shall be Subsidiary to the bid item "Monument Box, Installation Only". All material to be furnished by the Contractor.

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MKEC ENGINEERING CONSULTANTS
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

NORTH HILLSIDE STREET PAVING PLANS
PROJECT NAME

MISCELLANEOUS DETAILS
SHEET TITLE

JRA	DPG	JRA
DESIGN BY:	DRAWN BY:	CHECKED BY:
APRIL 2003	01053	20 / 73
DATE	JOB NO.	SHEET/OF