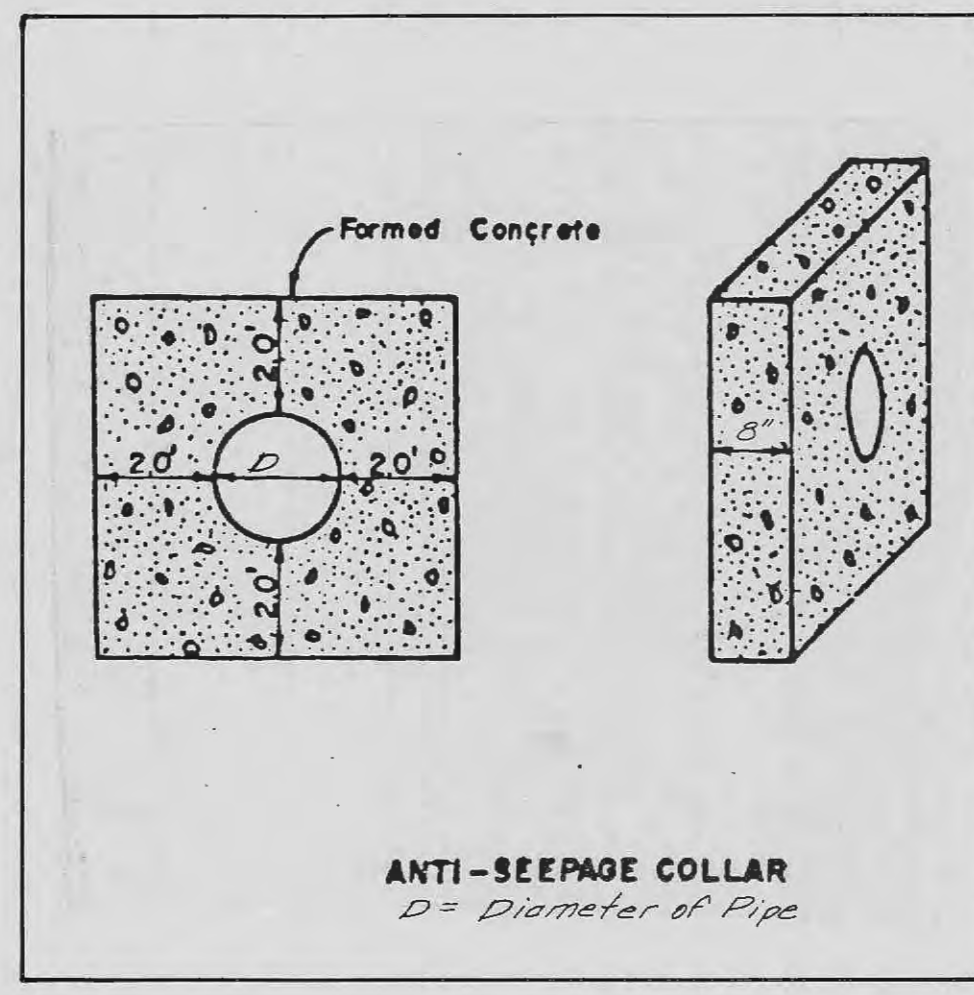
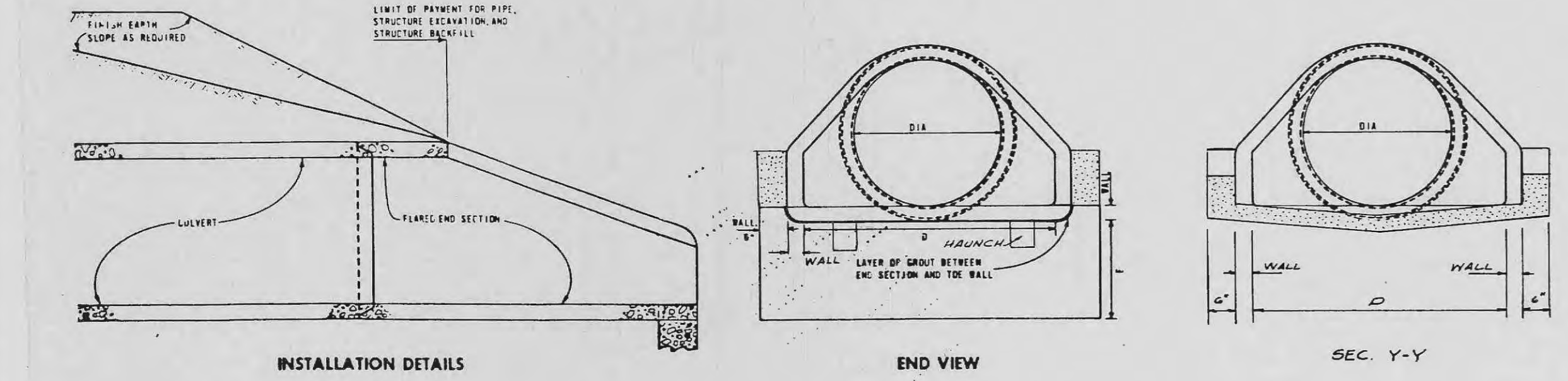


GENERAL NOTES						
DIA.	WALL	A	B (MIN)	C (MIN)	D	E
12"	2"	4"	4"	6"	2'-0"	18"
18"	2-1/2"	6"	3'-18"	6"	2'-0"	18"
24"	3-1/2"	8"	3'-18"	6"	2'-0"	18"
30"	4-1/2"	10"	3'-18"	6"	2'-0"	18"
36"	5-1/2"	12"	3'-18"	6"	2'-0"	18"
42"	6-1/2"	14"	3'-18"	6"	2'-0"	18"
48"	7-1/2"	16"	3'-18"	6"	2'-0"	18"
54"	8-1/2"	18"	3'-18"	6"	2'-0"	18"
60"	9-1/2"	20"	3'-18"	6"	2'-0"	18"
66"	10-1/2"	22"	3'-18"	6"	2'-0"	18"

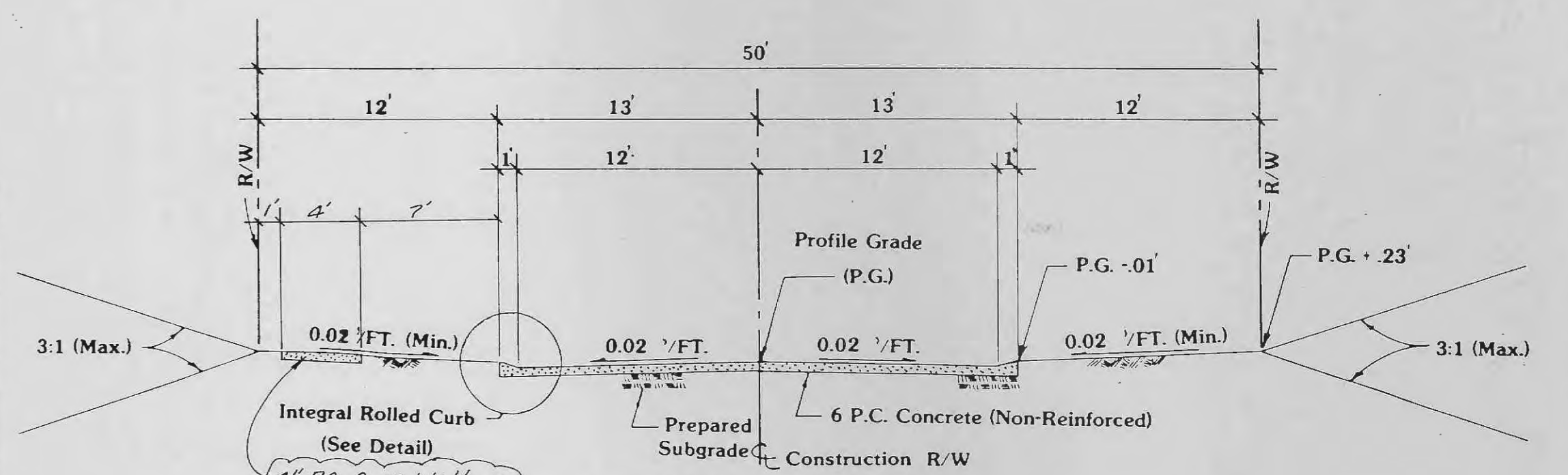
PIPE DIA. (INCHES)	BARREL SECTION REINFORCEMENT		FLARE SECTION REINFORCEMENT (ONE LAYER ONLY IN CENTER OF WALL)	
	CIRCULAR	ELLIPTICAL	AREA OF CONCRETE (SQ. FT.)	AREA OF REINFORCEMENT (SQ. FT.)
12	0.07	---	0.048	0.048
15	0.07	---	0.054	0.054
18	0.07	---	0.060	0.060
21	0.07	---	0.067	0.066
24	0.07	---	0.072	0.072
27	0.13	---	0.11	0.078
30	0.14	---	0.12	0.084
36	0.12	0.09	0.13	0.096
42	0.15	0.12	0.13	0.108
48	0.18	0.14	0.20	0.120
54	0.22	0.16	0.24	0.132
60	0.25	0.18	0.28	0.144
66	0.31	0.23	0.34	0.156

GENERAL NOTES:
SLIGHT VARIATIONS IN BOTH SHAPE AND DIMENSIONS FROM THOSE SHOWN MAY BE ACCEPTED IF APPROVED BY THE ENGINEER.
NOT MORE THAN THREE LIFT HOLES MAY BE DRILLED OR CAST IN THE END SECTION FOR HANDLING AND LIFTING.
LIFT LUGS OR BARS WILL BE PERMITTED IN PRECAST TOE WALLS. THE WALL MAY BE CAST IN PLACE OR PRECAST.

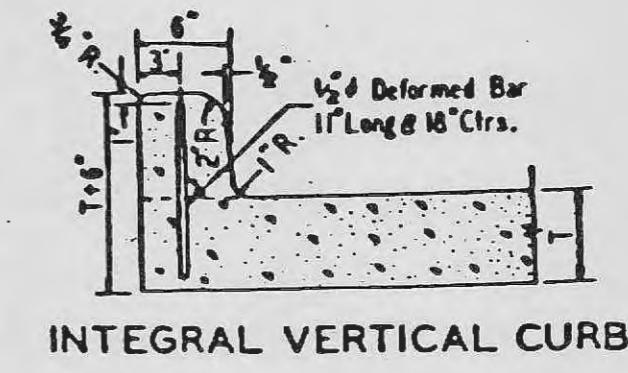
FLARED END SECTION W/ CONC. SWALE (PRECAST CONCRETE)



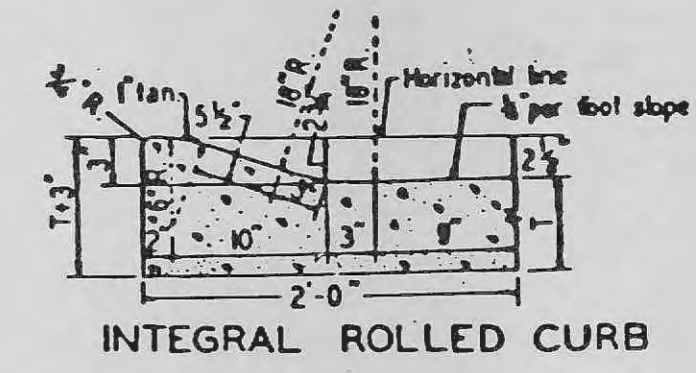
ANTI-SEEPAGE COLLAR
D = Diameter of Pipe



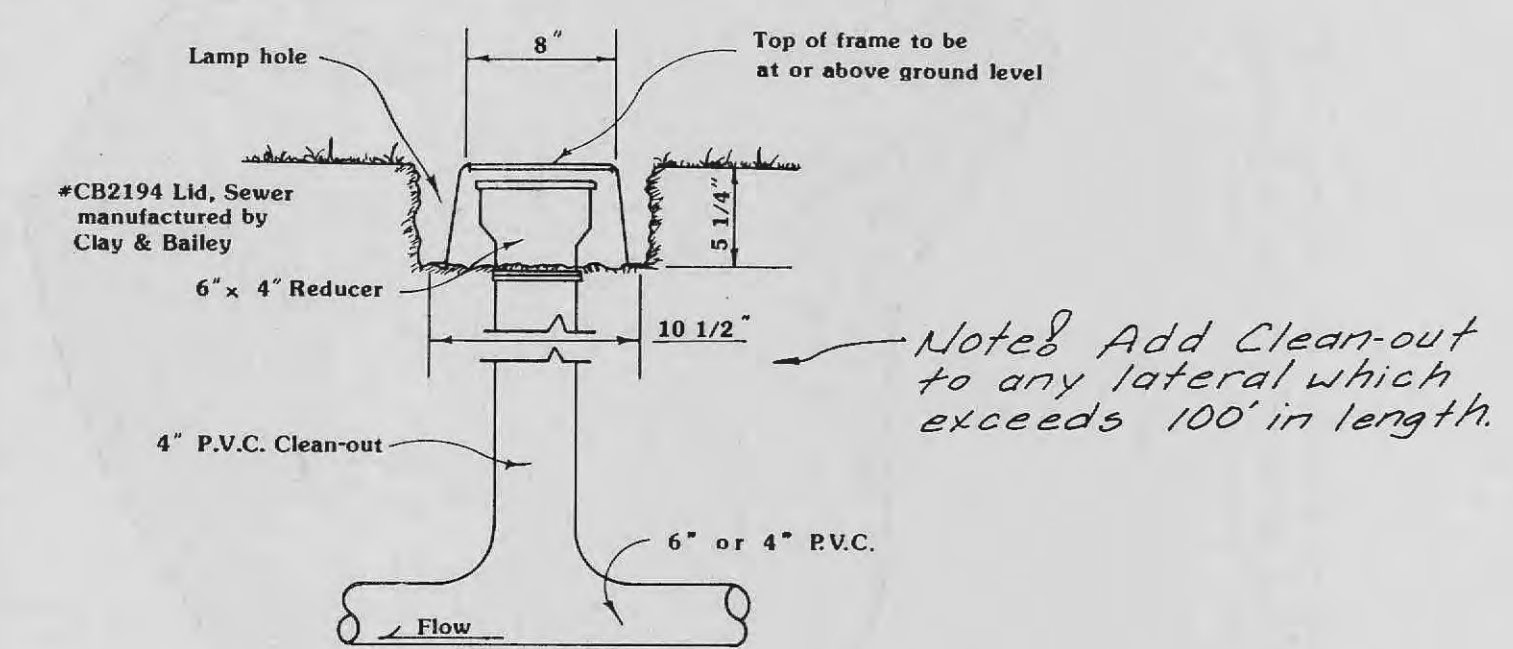
TYPICAL SECTION
(26 W. P.C. CONC. PVMT.)



INTEGRAL VERTICAL CURB

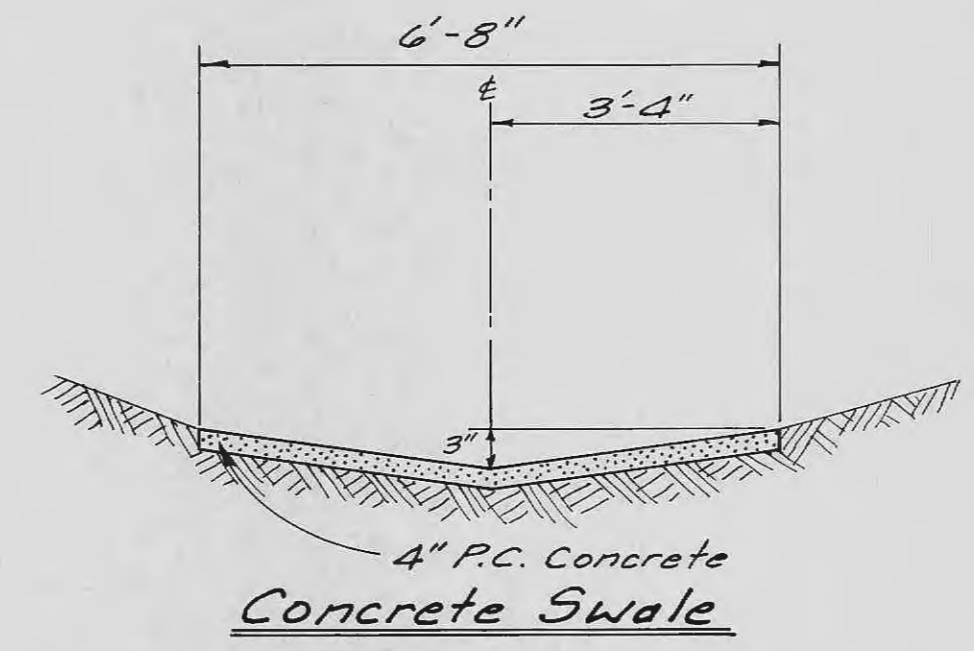


INTEGRAL ROLLED CURB

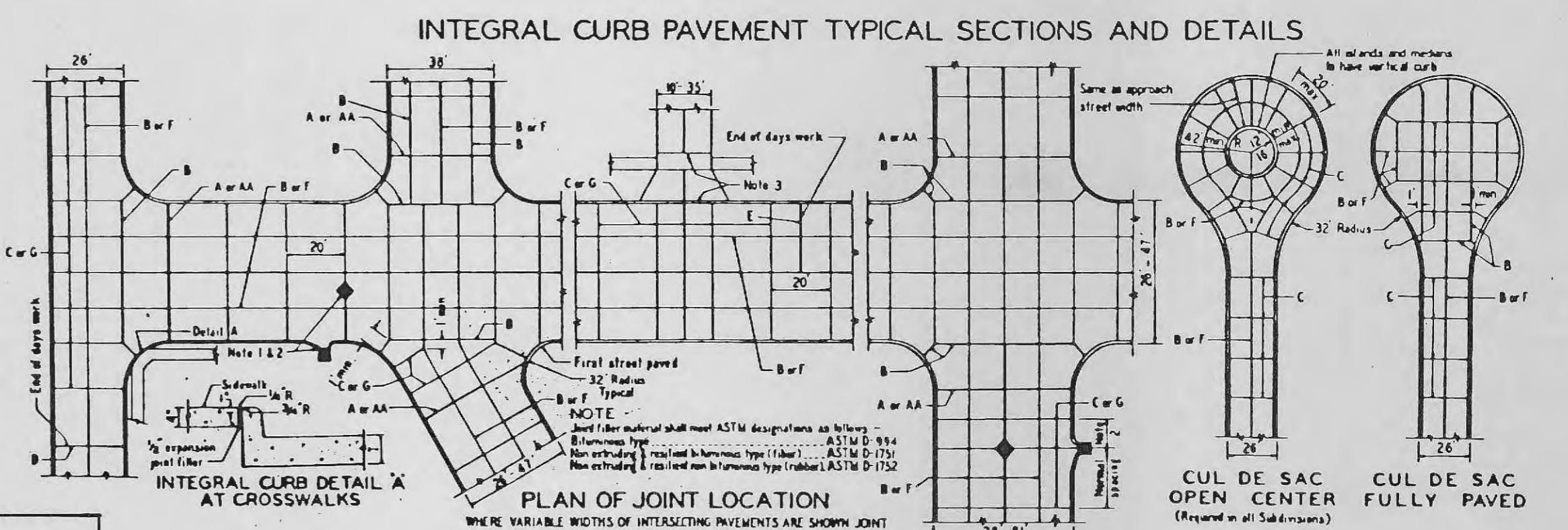


CLEAN-OUT DETAIL
Not to Scale

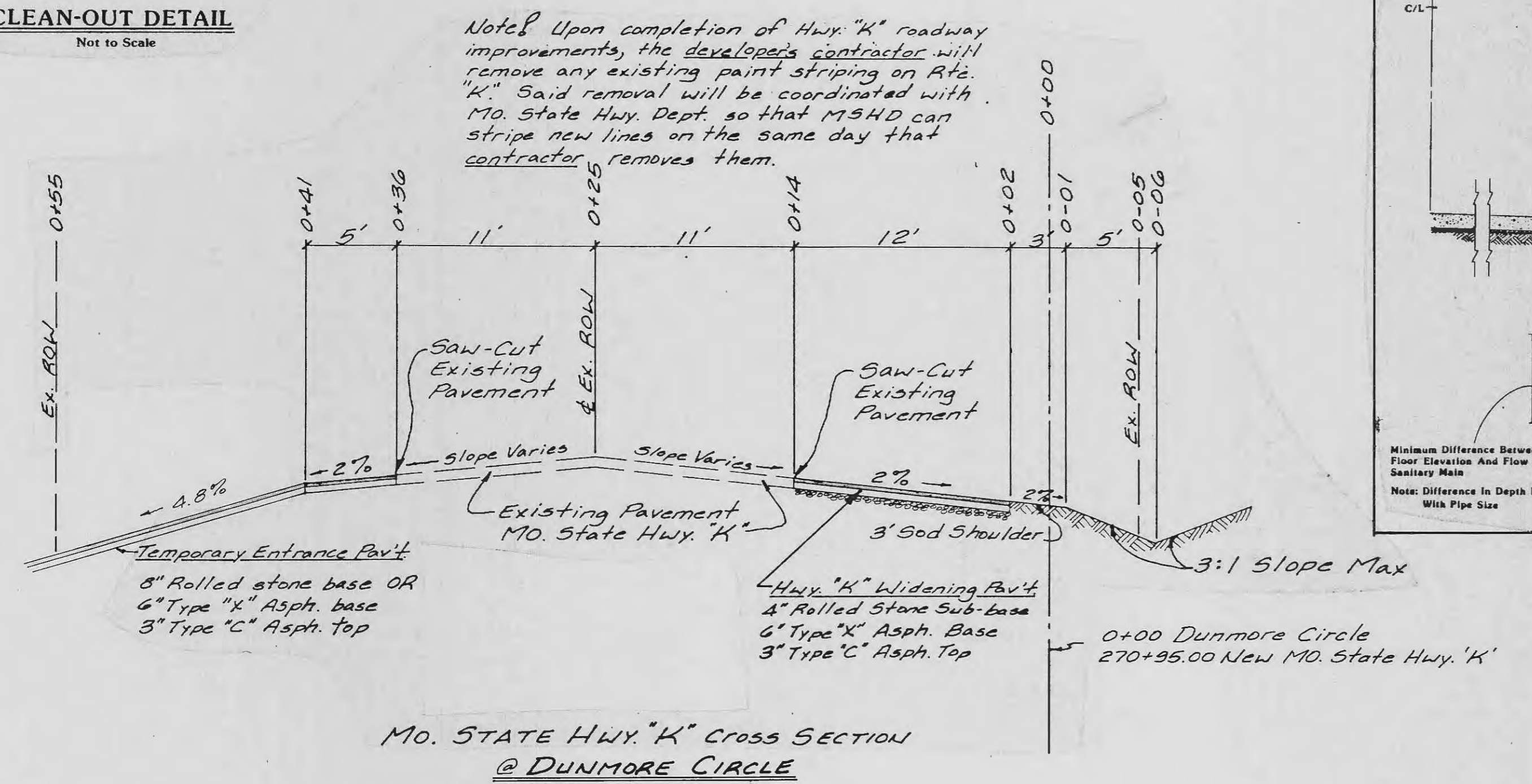
Note: Add Clean-out to any lateral which exceeds 100' in length.



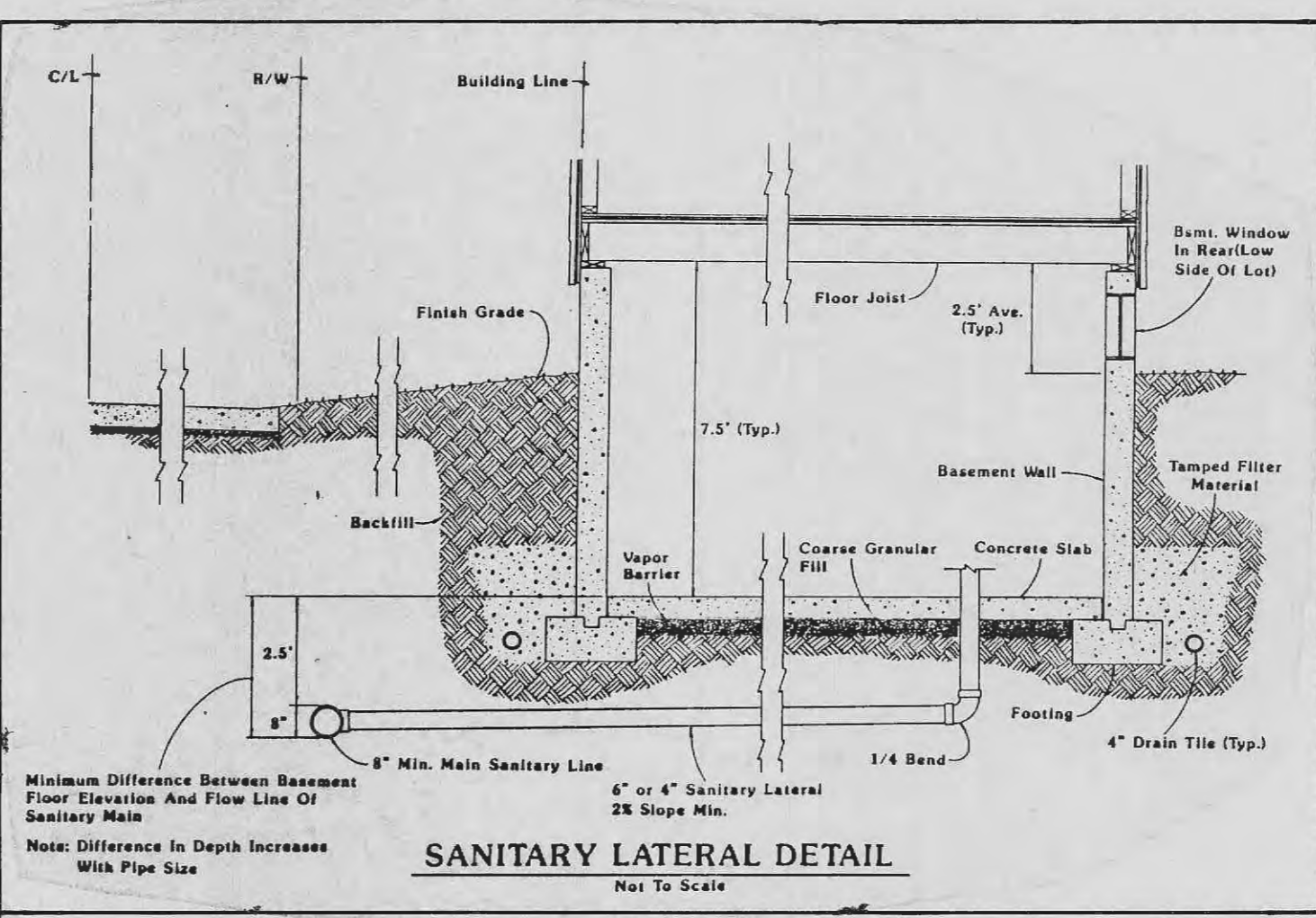
4" P.C. Concrete Swale



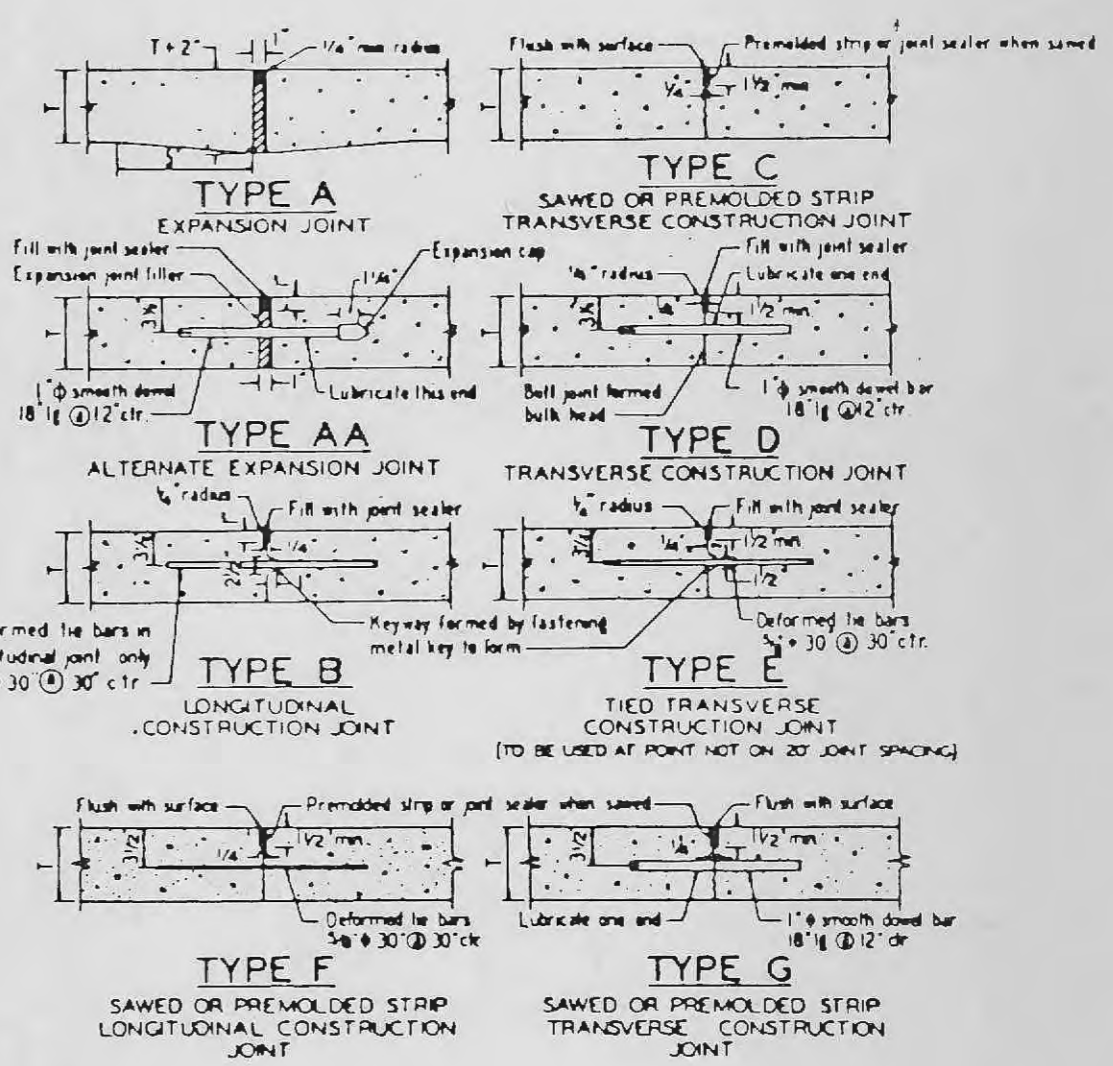
INTEGRAL CURB PAVEMENT TYPICAL SECTIONS AND DETAILS



MO. STATE HWY. 'K' CROSS SECTION @ DUNMORE CIRCLE



SANITARY LATERAL DETAIL
Not to Scale



- GENERAL NOTES:
- All catch basins shall be separate from the pavement and curb by expansion joint material extending completely through curb and slab. Manhole castings within the pavement limits shall be boxed as shown in the "Sooner Construction Details".
 - When a joint falls within 5 ft. of or contacts basin, manholes, or other structures, shorten one or more panels either side of opening to permit joint to fall on round structures and at or between corners of rectangular structures.
 - Driveway configurations are shown in the "Entrance Construction Details".
 - Construction joint and dowel bars may be omitted when curb is poured integral with pavement.
 - Minimum Thickness for Pavement is:

Local or Minor Streets	CONCRETE (2)
Major or Industrial Streets	6"
Arterial or Industrial Streets	8"

 Base material under pavement will be made with 4 inches of Rolled Stone Base.
 - For minor rural or urban or minor subdivision pavements (6" thick concrete), 1/2" diameter tie bars 30" in. at 30" ctr. shall be used for TYPE B longitudinal joints.
 - Refer to Exhibit 13A for joint and bar requirements for different street classifications. Note that width and location of each poured portion of the pavement may change the type and location of joint required.
 - Transverse or longitudinal construction joints in slip formed pavement may be made with groove or tool, if such device has been approved in advance by the St. Louis County Department of Highways and Traffic.
 - The locations of the Type B and Type F longitudinal construction joints in above sections may be interchanged for the different widths of construction if approval is obtained.