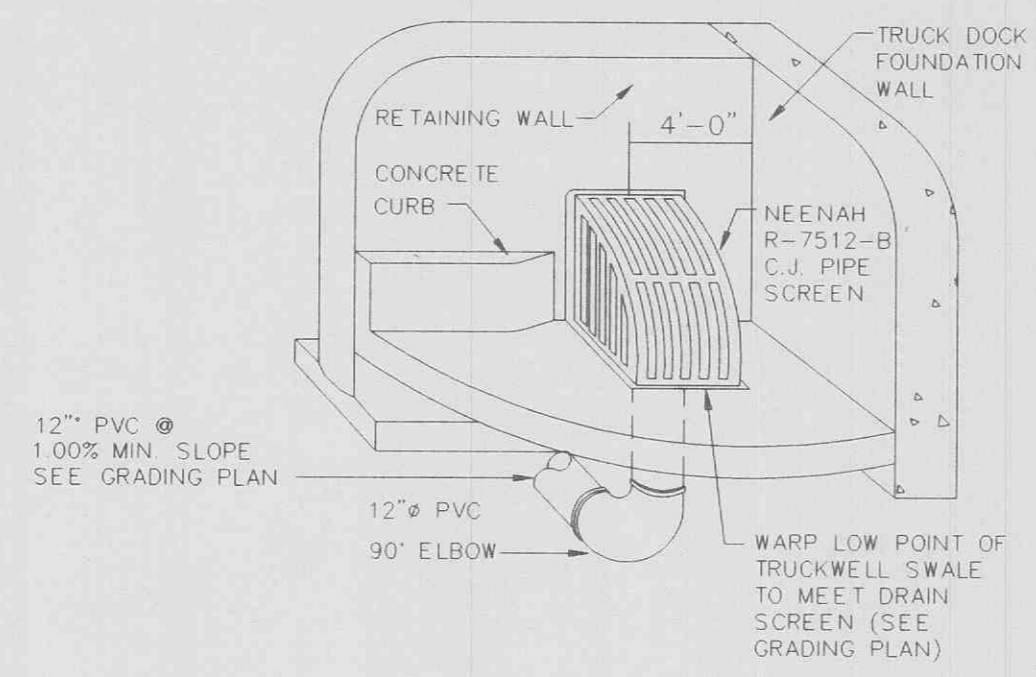
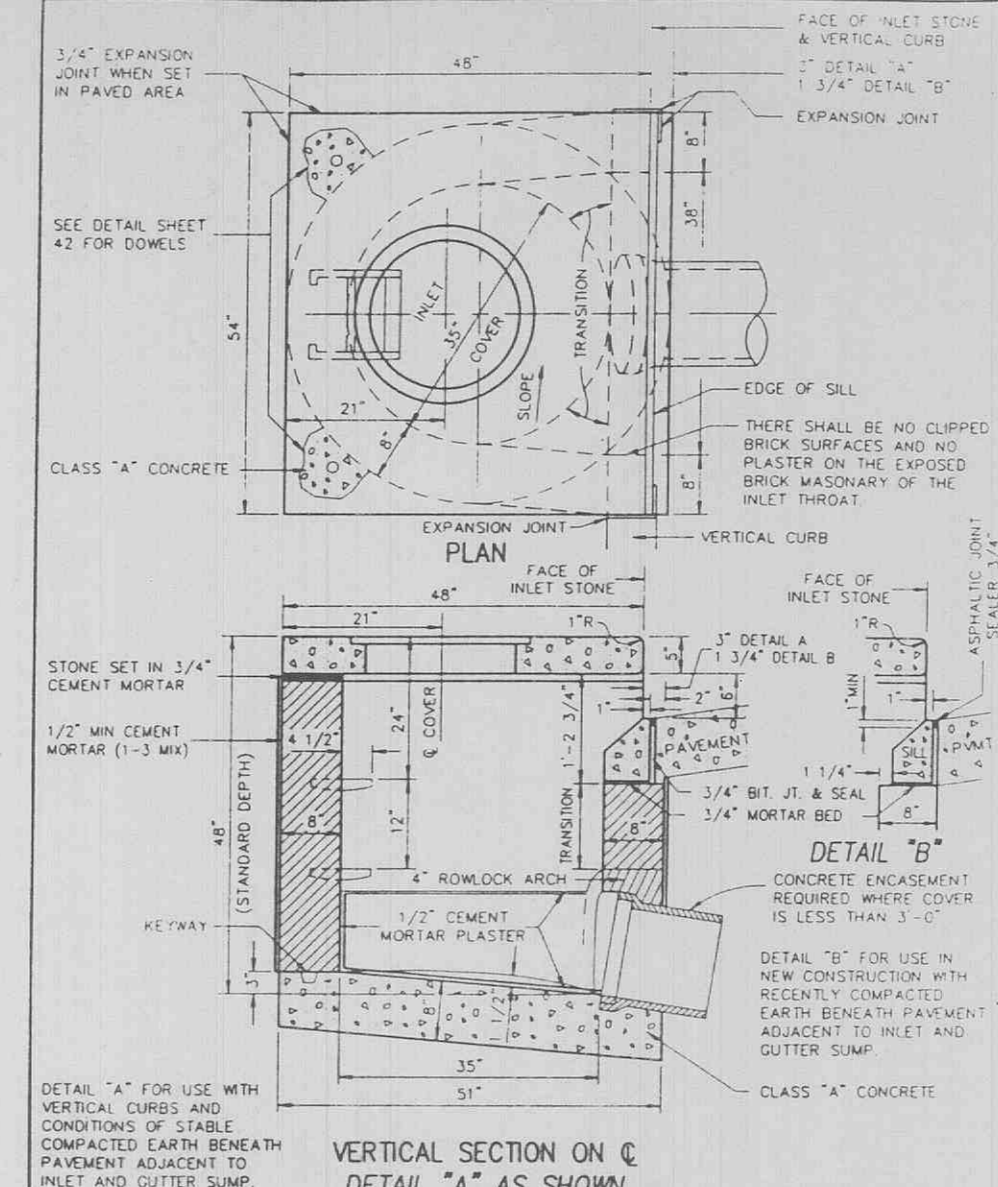


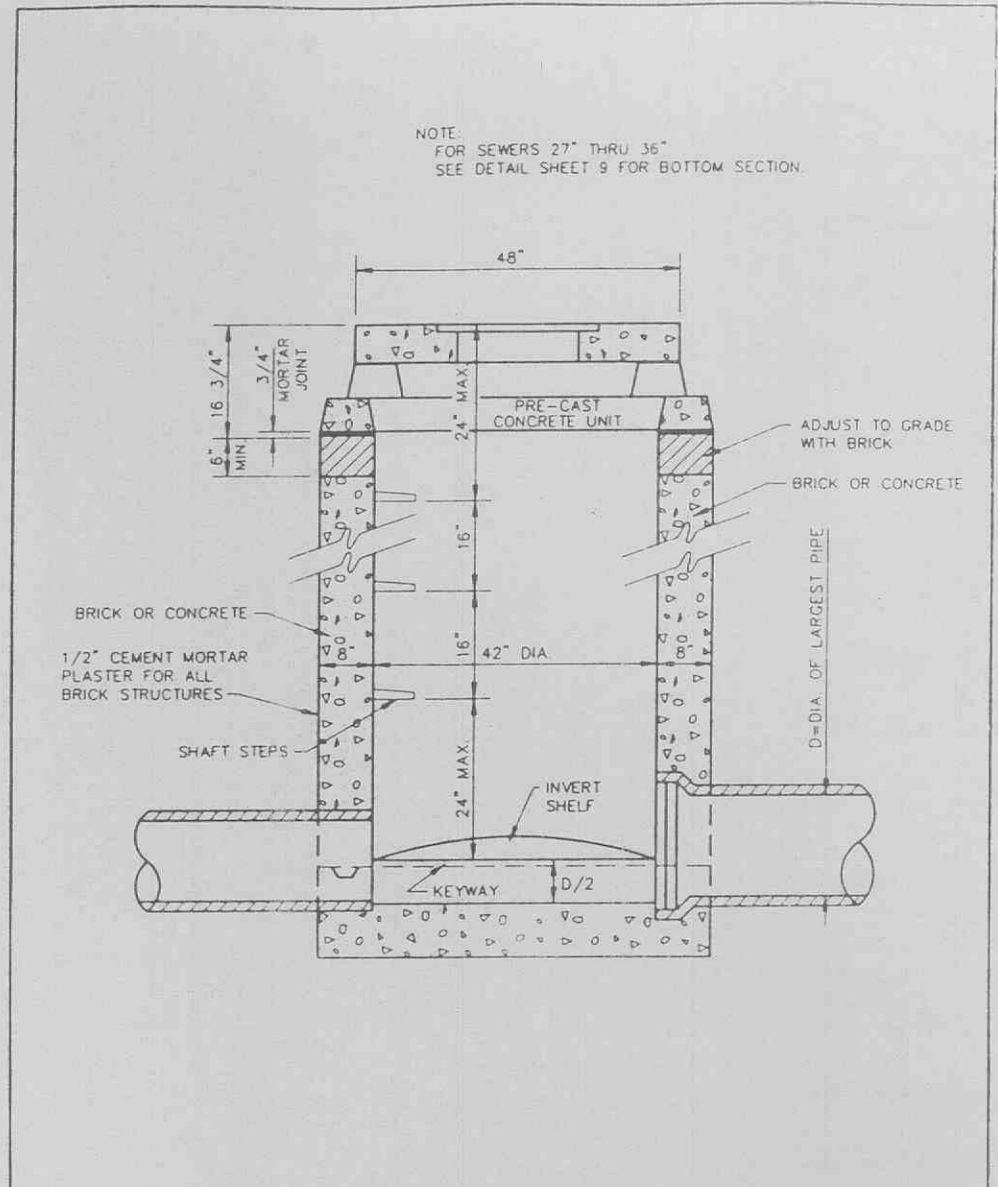
VALVE BOX SETTING
N.T.S. CUT 14



TRUCKWELL DRAIN DETAIL
N.T.S. CG21



VERTICAL SECTION ON CURB
DETAIL "A" AS SHOWN
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
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AREA INLET MANHOLE (12" THRU 24")
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. W.S.H. Ch. J.C.K. 1992 SHEET 25

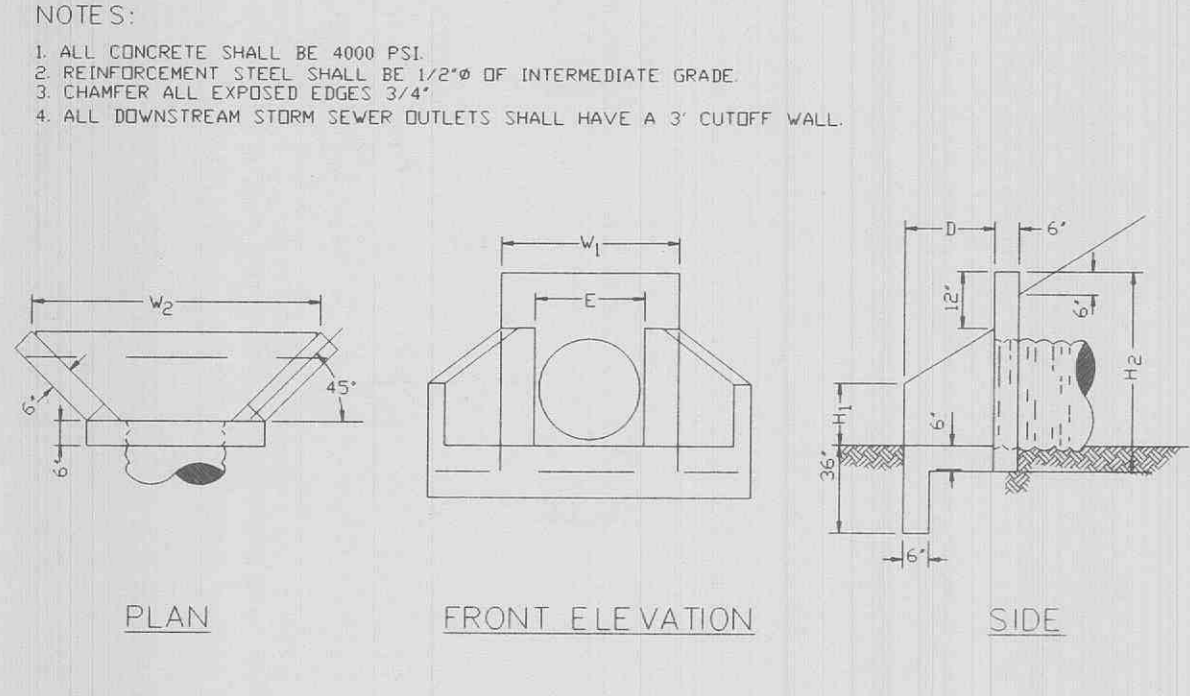
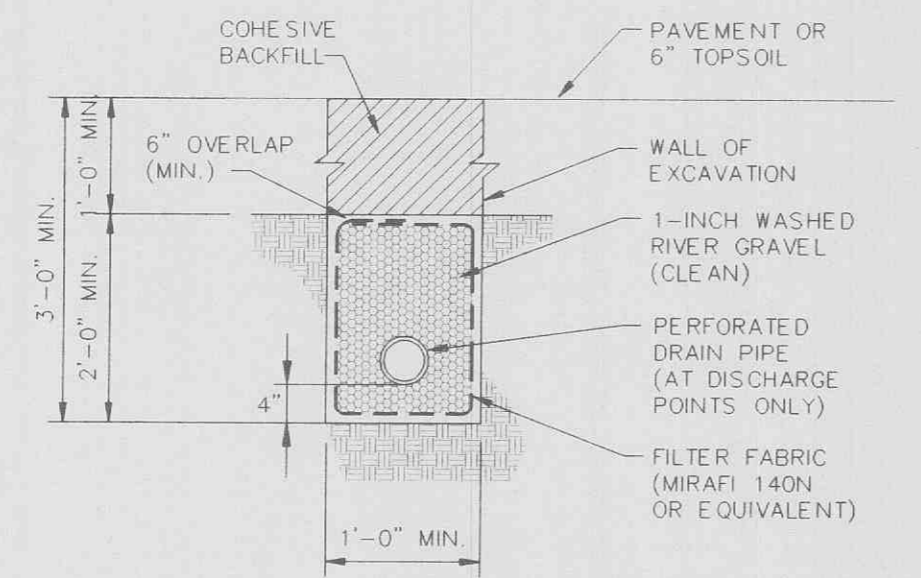


TABLE
HEADWALL DIMENSIONS FOR METAL PIPE *

INSIDE DIA. OF PIPE	V ₁	V ₂	H ₁	H ₂	D	E	V _T	SOFTENING AREA
18"	3'-2"	4'-10"	1'-3"	3'-2"	1'-3"	1'-9"	1'-9"	1.550
21.25"	2'-8"	4'-4"	1'-0"	3'-8"	1'-4"	2'-3"	2'-0"	2.100
36"	4'-2"	7'-2"	2'-0"	4'-10"	1'-10"	2'-3"	2'-0"	2.850
36"	4'-8"	8'-4"	2'-4"	4'-8"	2'-4"	3'-3"	3'-0"	3.700
42" x 48" x 54"	5'-8"	10'-10"	3'-7"	5'-8"	2'-11"	4'-3"	4'-0"	5.600

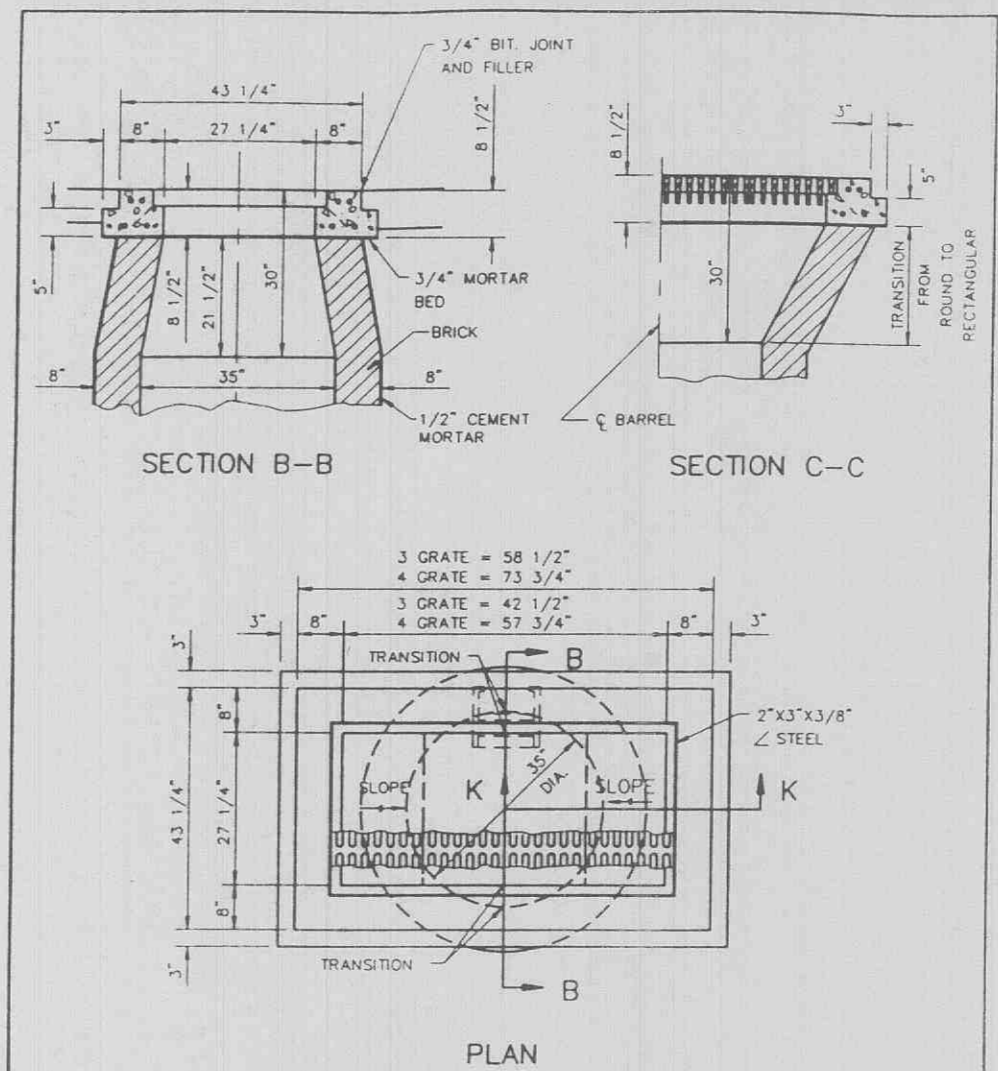
*USE NEXT LARGER SIZE FOR CONCRETE PIPE

HEADWALL DETAIL
NO SCALE CG09

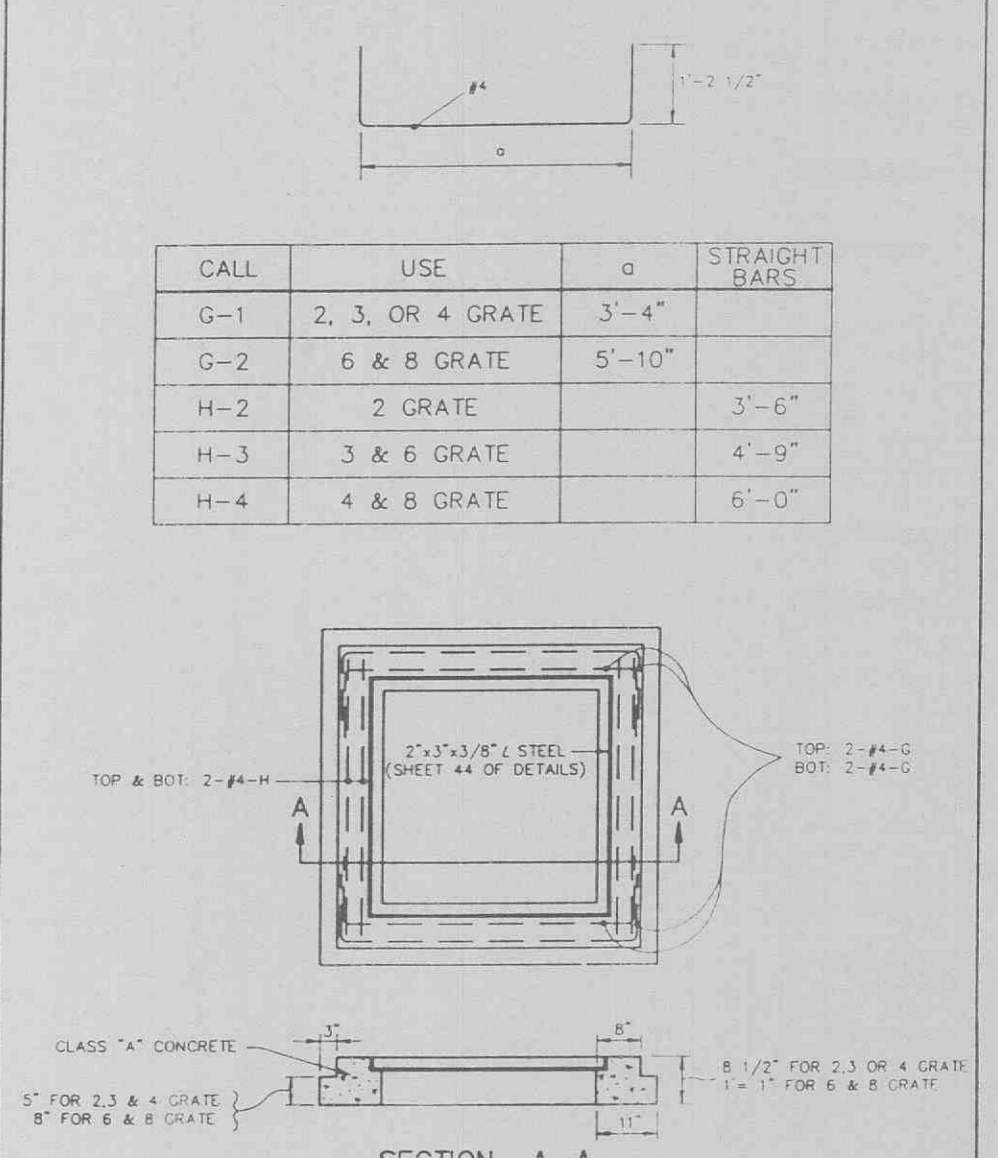


- NOTES:
- PIPES SHALL BE 4" PVC PIPE AND EXTEND INTO THE DRAIN A MINIMUM OF 5" AT THE ENDS ONLY.
 - THE PORTION OF THE PIPE EXTENDING INTO THE DRAIN SHALL BE PERFORATED AND THE END CAPPED.

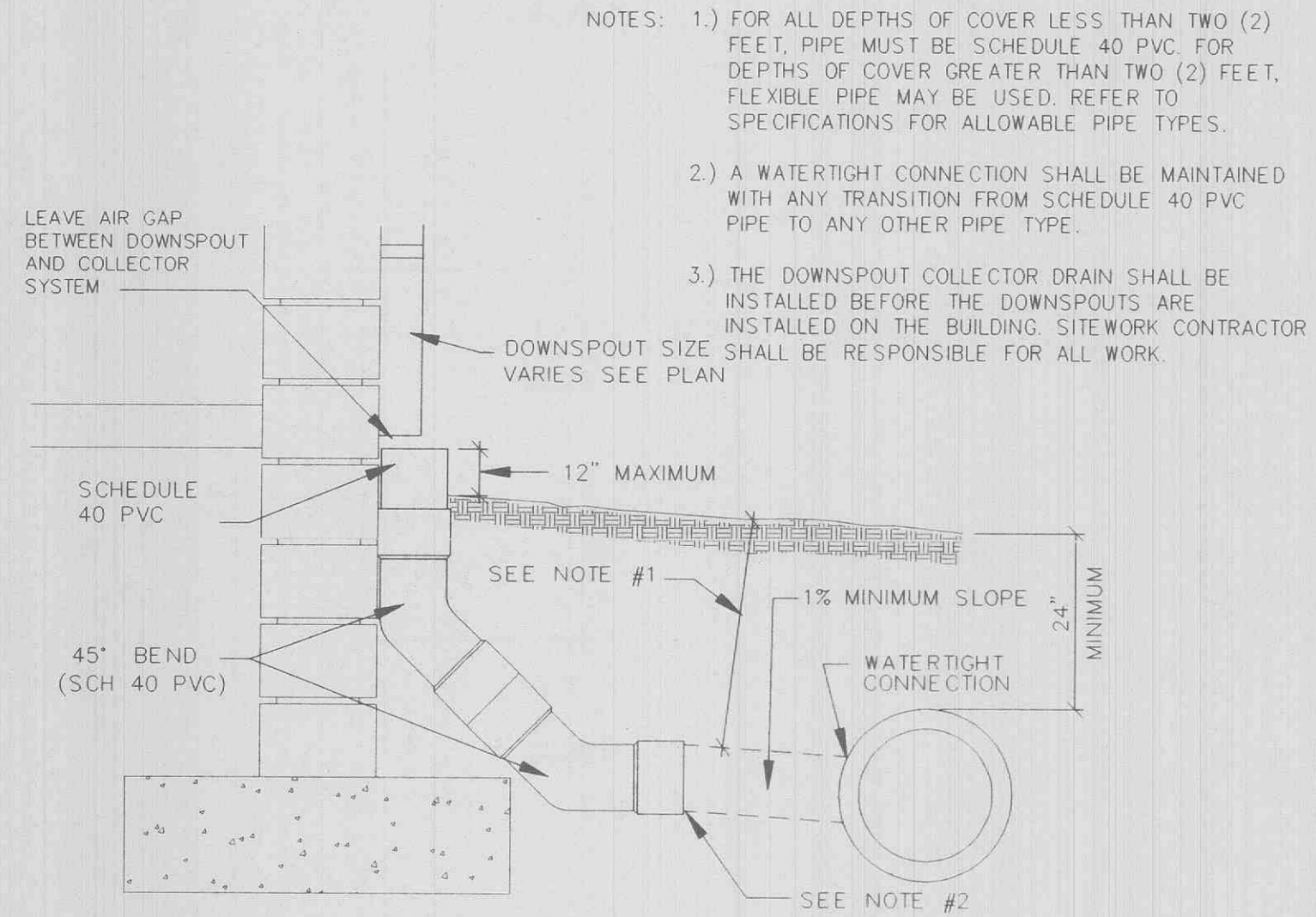
SUBDRAIN DETAIL
NO SCALE CG13



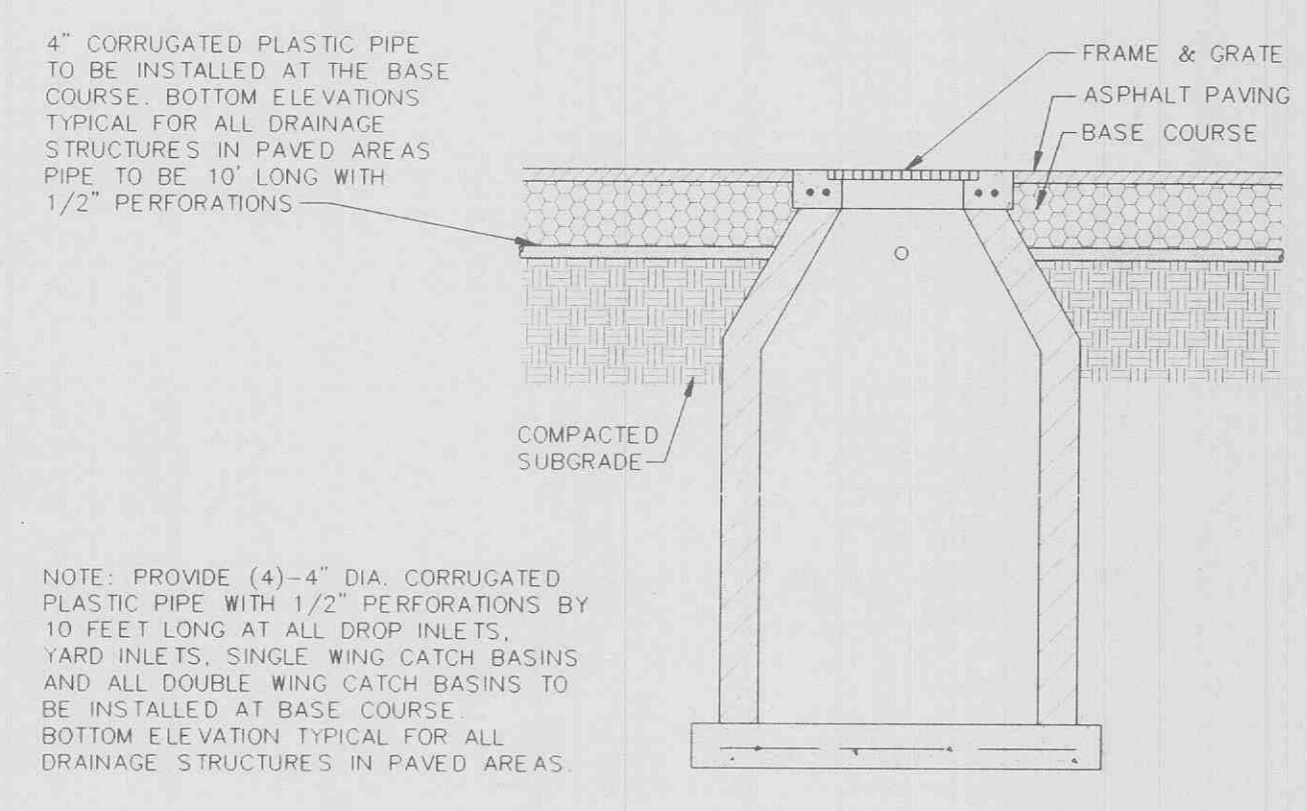
3 & 4 GRATE INLET BRICK CONSTRUCTION
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
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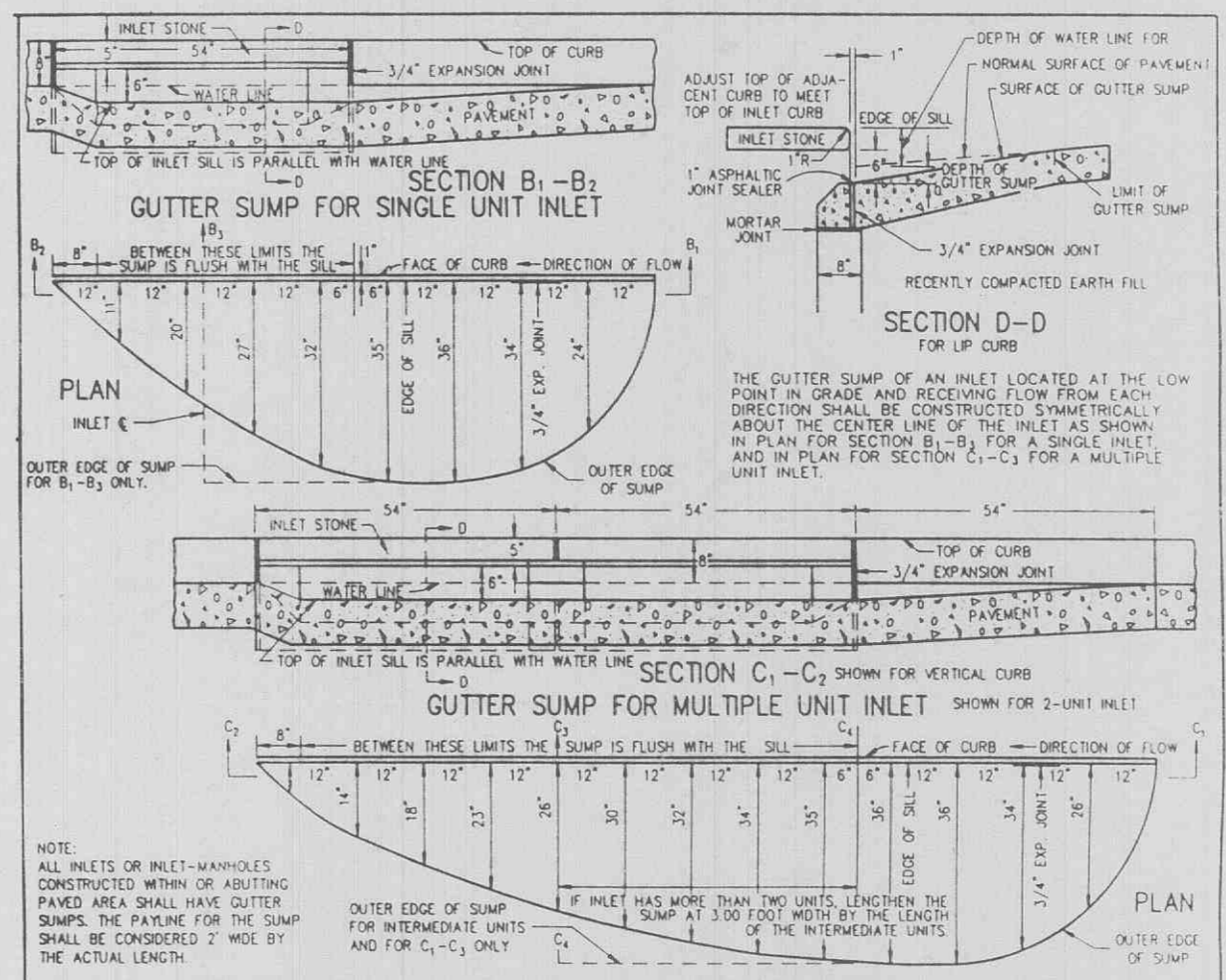
STEEL REQUIREMENTS FOR GRATE INLET SEAT
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
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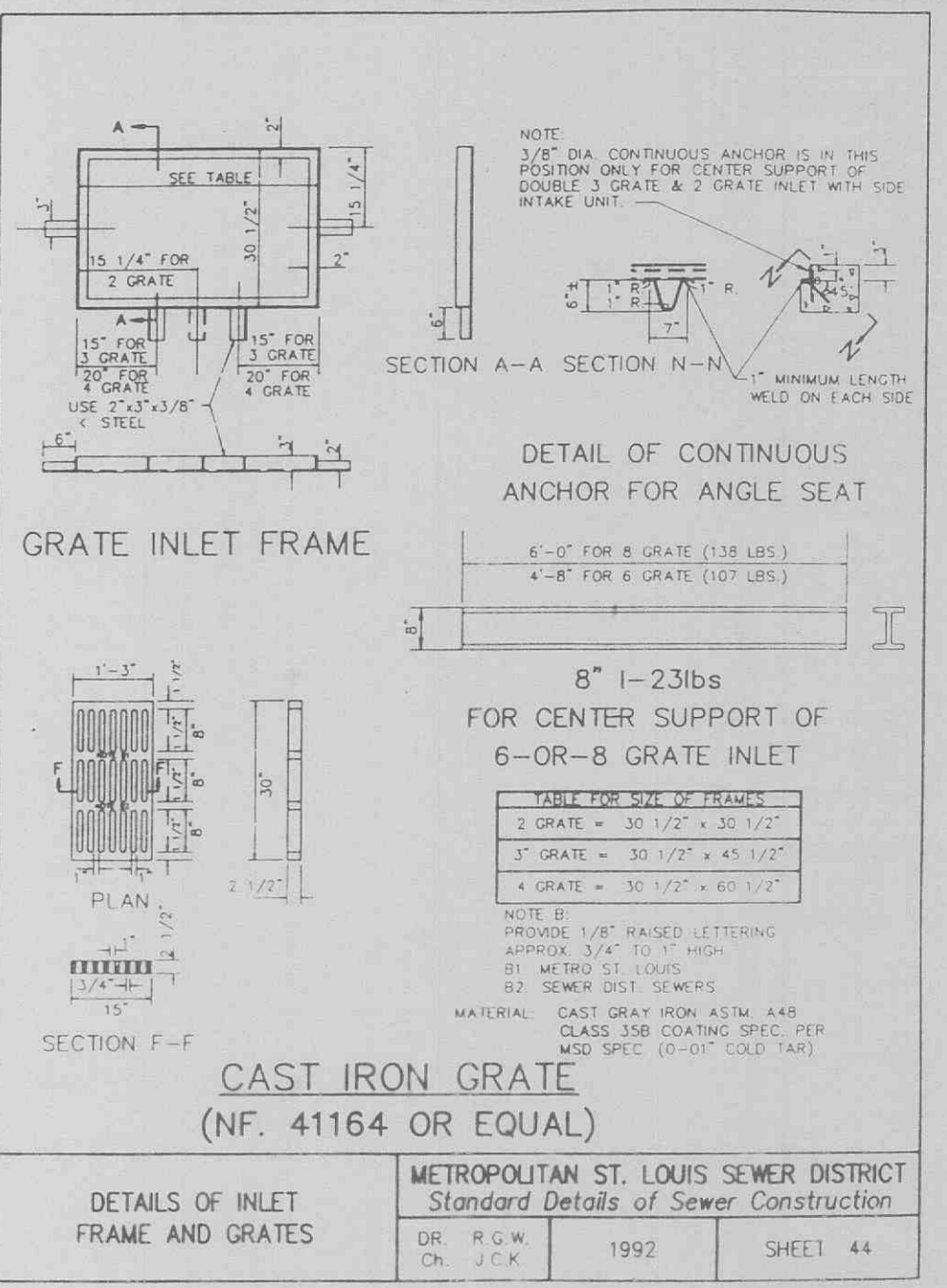
DOWNSPOUT COLLECTOR DETAIL
NO SCALE



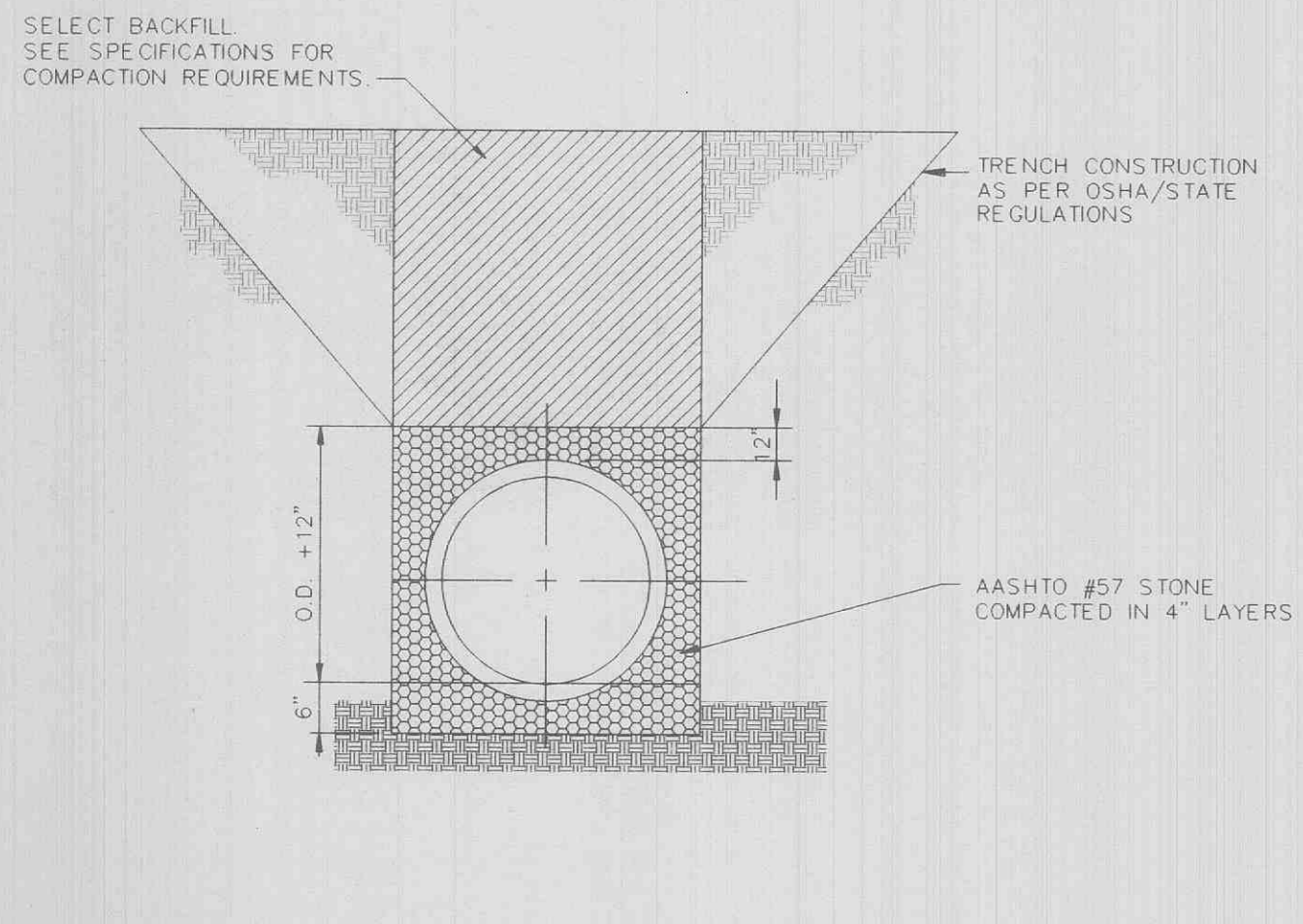
DROP INLET WITH SUBTERRANEAN DRAINS
NO SCALE CG08



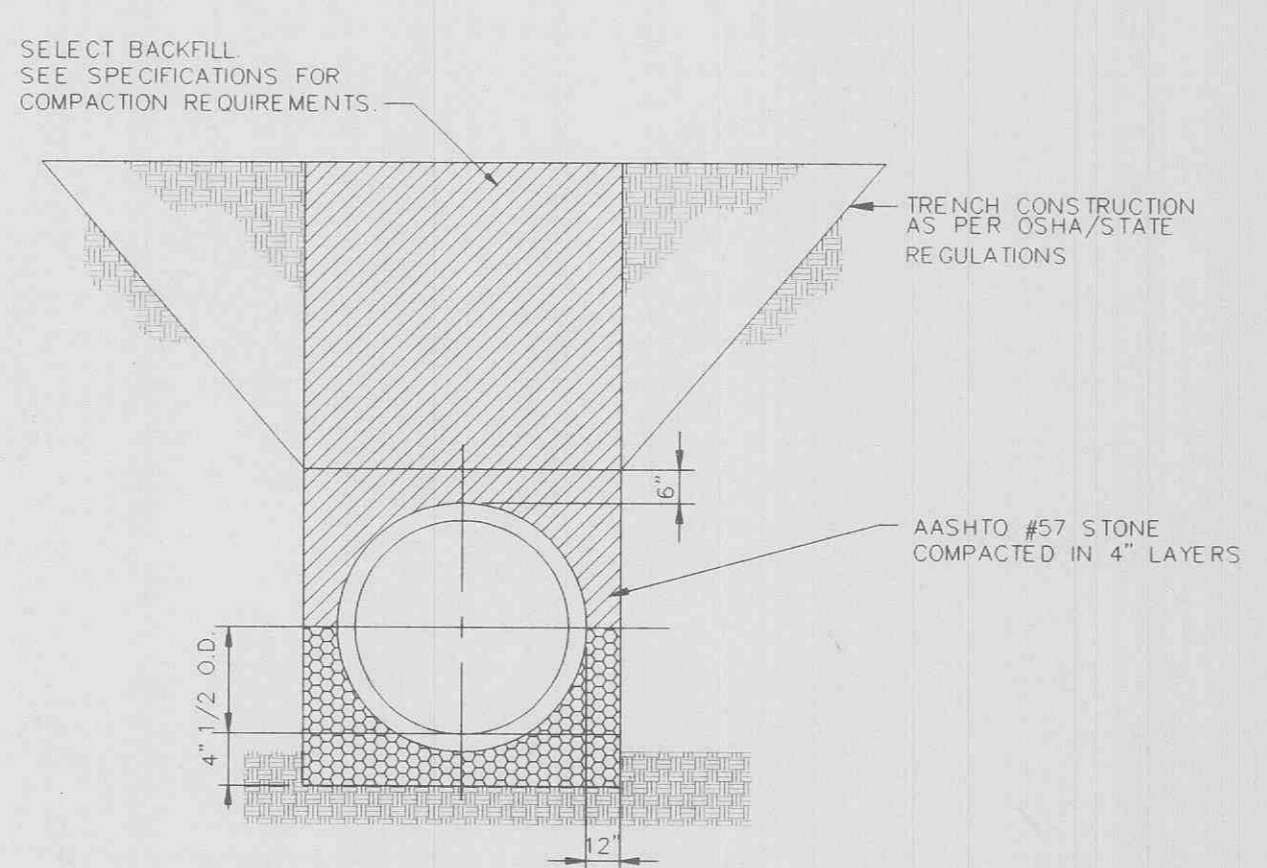
GUTTER SUMPS FOR VERTICAL CURB
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. W.S.H. Ch. J.C.K. 1992 SHEET 55



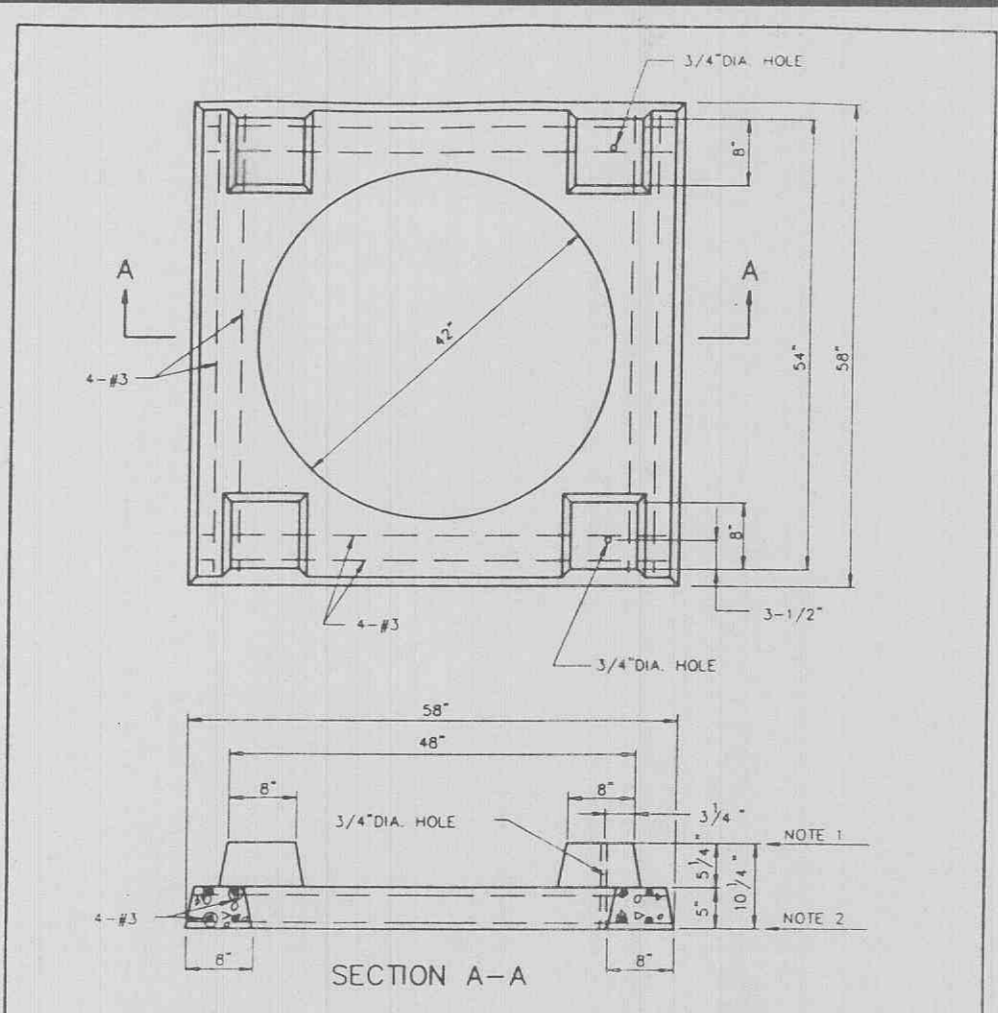
DETAILS OF INLET FRAME AND GRATES
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. W.S.H. Ch. J.C.K. 1992 SHEET 44



STORM DRAIN BEDDING (FOR CPP ONLY)
NO SCALE CG12



STORM DRAIN BEDDING (FOR RCP ONLY)
NO SCALE



PRE-CAST CONCRETE UNIT FOR 4 WAY AREA INLET
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. D.A.B. Ch. J.C.K. 1992 SHEET 38

PROPOSED COMMERCIAL DEVELOPMENT