

PRECAST CONCRETE STORMWATER STRUCTURES

MINIMUM DISTANCE FLOWLINE TO TOP OF STONE OR GRATE

PIPE I.D. NOMINAL INCHES	AREA INLET CIRCULAR BASE DIA.			(2) GRATE INLET CIRCULAR BASE DIA. SQUARE (MAX.)			SINGLE STREET INLET CIRCULAR BASE DIA. RECTANGLE (MAX.)		
	42"	48"	60"	42"	48"	60"	42"	48"	60"
12"	45"			38"			31"	48"	41"
15"	48"			41"			34"	51"	44"
18"	52"			44"			37"	55"	48"
21"	55"			47"			40"	58"	51"
24"		58"		51"			44"	61"	54"
27"			78"	71"	NA		81"	NA	
30"			82"	74"	NA		85"	NA	
33"			85"	77"	NA		88"	NA	

(SEE SHEET 35 FOR DETAIL) (SEE SHEET 36 FOR DETAIL) (SEE SHEET 37 FOR DETAIL)

NOTES:

- 48" DIAMETER BASE REQUIRES 7" HIGH TRANSITION SECTION TO 42" DIAMETER, SIMILAR TO "ADAPTER RING" SHEET 35.
- 60" DIAMETER BASE REQUIRES 24" HIGH CONCENTRIC REDUCER TRANSITION TO 42" DIAMETER, SIMILAR TO "ADAPTER RING" SHEET 35.
- STANDARD DEPTH = 3" x PIPE DIAMETER.

PRECAST CONCRETE STORMWATER STRUCTURES

METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. J.L.G./SAM Ch. J.C.K. 2000 SHEET 34

IRON COVER
24-1/2" DIA.

INLET STONE
(SEE SHEET 45)

SINGLE CURB INLET
(SEE SHEET 40)

ADAPTER RING

SHALLOW SINGLE CURB INLET

INLET BASE & INLET MANHOLE BASE

SEE CHART FOR MINIMUM DIMENSIONS.

Dr. J.L.G./SAM Ch. J.C.K. 2000 SHEET 37

PLAN

ELEVATION

SECTION A-A

Dr. WSH/SAM Ch. J.C.K. 2000 SHEET 40

STANDARD - INLET STONES, BLOCKS & DESIGN DETAILS

Dr. WSH/SAM Ch. J.C.K. 2000 SHEET 45

(2) 30"x15" GRATES

STANDARD (2) GRATE INLET SEAT

ADAPTER RING OR STANDARD 42" DIAMETER CONE SECTION

(2) GRATE INLET (INLET MANHOLE BASE)

SEE CHART FOR MINIMUM DIMENSIONS.

Dr. J.L.G./SAM Ch. J.C.K. 2000 SHEET 36

CALL	USE	a	STRAIGHT BARS
G-1	2, 3, OR 4 GRATE	3'-4"	
G-2	6 & 8 GRATE	5'-10"	
H-2	2 GRATE	3'-6"	
H-3	3 & 6 GRATE	4'-9"	
H-4	4 & 8 GRATE	6'-0"	

Dr. WSH/SAM Ch. J.C.K. 2000 SHEET 50

GRATE INLET FRAME

DETAIL OF CONTINUOUS ANCHOR FOR ANGLE SEAT

SECTION F-F

CAST IRON GRATE (NF. R-3297 OR EQUAL)

TABLE FOR SIZE OF FRAMES
2 GRATE = 30-1/2" x 30-1/2"
3 GRATE = 30-1/2" x 45-1/2"
4 GRATE = 30-1/2" x 60-1/2"

Dr. RGW/SAM Ch. J.C.K. 2000 SHEET 48

ELEVATION

BASE PLAN

Dr. WSH/SAM Ch. J.C.K. 2000 SHEET 21

Revised	2/5/04	1-COMMENTS PER CLIENT
	2/19/04	2-COMMENTS PER CLIENT
	4/27/04	3-COMMENTS PER CITY 4/7/04

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MID AMERICA PETERBILT
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DETAILS

Date:	12/23/03
Order Number:	03072
File Name:	03072cd
Drawn By:	DRG
Check By:	MAD
Base Map:	N/A
MSD #:	
N/A:	