

PRECAST CONCRETE STORMWATER STRUCTURES

MINIMUM DISTANCE FLOWLINE TO TOP OF STONE OR GRATE

PPS #	AREA INLET			2 GRATE INLET			SINGLE STREET INLET		
	CIRCULAR BASE DIA	SQUARE BASE DIA	RECTANGULAR BASE DIA	CIRCULAR BASE DIA	SQUARE BASE DIA	RECTANGULAR BASE DIA	CIRCULAR BASE DIA	SQUARE BASE DIA	RECTANGULAR BASE DIA
12"	48"	48"	60"	36"	48"	36"	48"	48"	48"
15"	48"	48"	60"	36"	48"	36"	48"	48"	48"
18"	54"	54"	66"	42"	54"	42"	54"	54"	54"
21"	54"	54"	66"	42"	54"	42"	54"	54"	54"
24"	60"	60"	72"	48"	60"	48"	60"	60"	60"
27"	60"	60"	72"	48"	60"	48"	60"	60"	60"
30"	66"	66"	78"	54"	66"	54"	66"	66"	66"
33"	66"	66"	78"	54"	66"	54"	66"	66"	66"

(SEE SHEET 32 FOR DETAILS) (SEE SHEET 33 FOR DETAILS) (SEE SHEET 34 FOR DETAILS)

NOTE: 1. 48" DIA. BASE REQUIRES 1" HIGH TRANSITION SECTION TO 42" DIA. SIMILAR TO ADAPTER RING SHEET 32.
2. 60" DIA. BASE REQUIRES 2" HIGH CONCENTRIC REDUCER TRANSITION TO 42" DIA. SIMILAR TO ADAPTER RING SHEET 32.

PRECAST CONCRETE STORMWATER STRUCTURES
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 DR. J.L.G. CH. J.C.K. SEPT. 1990 SHEET 31

CONCRETE OR CAST IRON COVER
 INLET STONE (SEE SHEET 42)
 3/4" WORTAR BED JOINT
 (2) 5/8" DIA. 1" LONG PINS
 4-WAY CONCRETE UNIT (SEE SHEET 38)
 ADAPTER RING
 INLET BASE & INLET MANHOLE BASE
 APPROVED PATENTED COMPRESSION TYPE JOINT FOR WAY PIPE USE
 SEE SHEET 31 FOR MINIMUM DIMENSIONS
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 AREA INLET PRECAST CONCRETE
 DR. J.L.G. CH. J.C.K. APRIL 1992 SHEET 32

(2) 30" x 15" GRATES
 STANDARD 2 GRATE INLET SEAT
 STANDARD 2 GRATE INLET SEAT
 APPROVED PATENTED COMPRESSION TYPE JOINT
 ADAPTER RING OR STANDARD 42" DIA. CONE SECTION (ADAPTER RING SIMILAR)
 SQUARE 2 GRATE INLET
 2 GRATE INLET INLET MANHOLE BASE
 SEE SHEET 31 FOR MINIMUM DIMENSIONS
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 2 GRATE INLETS PRECAST CONCRETE
 DR. J.L.G. CH. J.C.K. APRIL 1992 SHEET 33

CONCRETE OR CAST IRON COVER
 CONCRETE OR CAST IRON COVER
 INLET STONE (SEE SHEET 42)
 SINGLE CURB INLET (SEE SHEET 37)
 ADAPTER RING
 INLET BASE & INLET MANHOLE BASE
 SEE SHEET 31 FOR MINIMUM DIMENSIONS
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 SINGLE STREET INLETS PRECAST CONCRETE
 DR. J.L.G. CH. J.C.K. APRIL 1991 SHEET 34

VILLAGES AT DARDENNE-BATES VILLAGE
 CONSTRUCTION DETAILS
 Jan. 1996 Job No. 95-080
 DOUBLE UNTRAPPED STREET INLET PRECAST CONCRETE
 PRECAST CONCRETE UNIT B
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 DR. J.L.G. CH. J.C.K. SEPT. 1992 SHEET 35

TRAPPED STREET INLET BASE PRECAST CONCRETE
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 DR. W.S.H. CH. J.C.K. 1992 SHEET 36

PRE-CAST CONCRETE UNIT FOR SINGLE STREET INLET
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 DR. W.S.H. CH. J.C.K. 1992 SHEET 37

PRE-CAST CONCRETE UNIT FOR 4 WAY AREA INLET
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 DR. J.L.G. CH. J.C.K. 1992 SHEET 38

CONCRETE DOUBLE STREET INLET W/PRE CAST CONCRETE UNIT A
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 DR. R.G.W. CH. J.C.K. 1992 SHEET 39

PRE-CAST CONCRETE UNIT A FOR STREET DOUBLE INLET
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 DR. R.G.W. CH. J.C.K. 1992 SHEET 40

PRE-CAST CONCRETE UNIT B FOR STREET DOUBLE INLET
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 DR. R.G.W. CH. J.C.K. 1992 SHEET 41

STANDARD - INLET STONES, BLOCKS & DESIGN DETAILS
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 DR. W.S.H. CH. J.C.K. 1992 SHEET 42

PRE-CAST CONCRETE INLET COVER
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 DR. R.G.W. CH. J.C.K. 1992 SHEET 43

DETAILS OF INLET FRAME AND GRATES
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 DR. R.G.W. CH. J.C.K. 1992 SHEET 44

DETAIL OF STEEL GRATE
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 DR. R.G.W. CH. J.C.K. 1992 SHEET 45