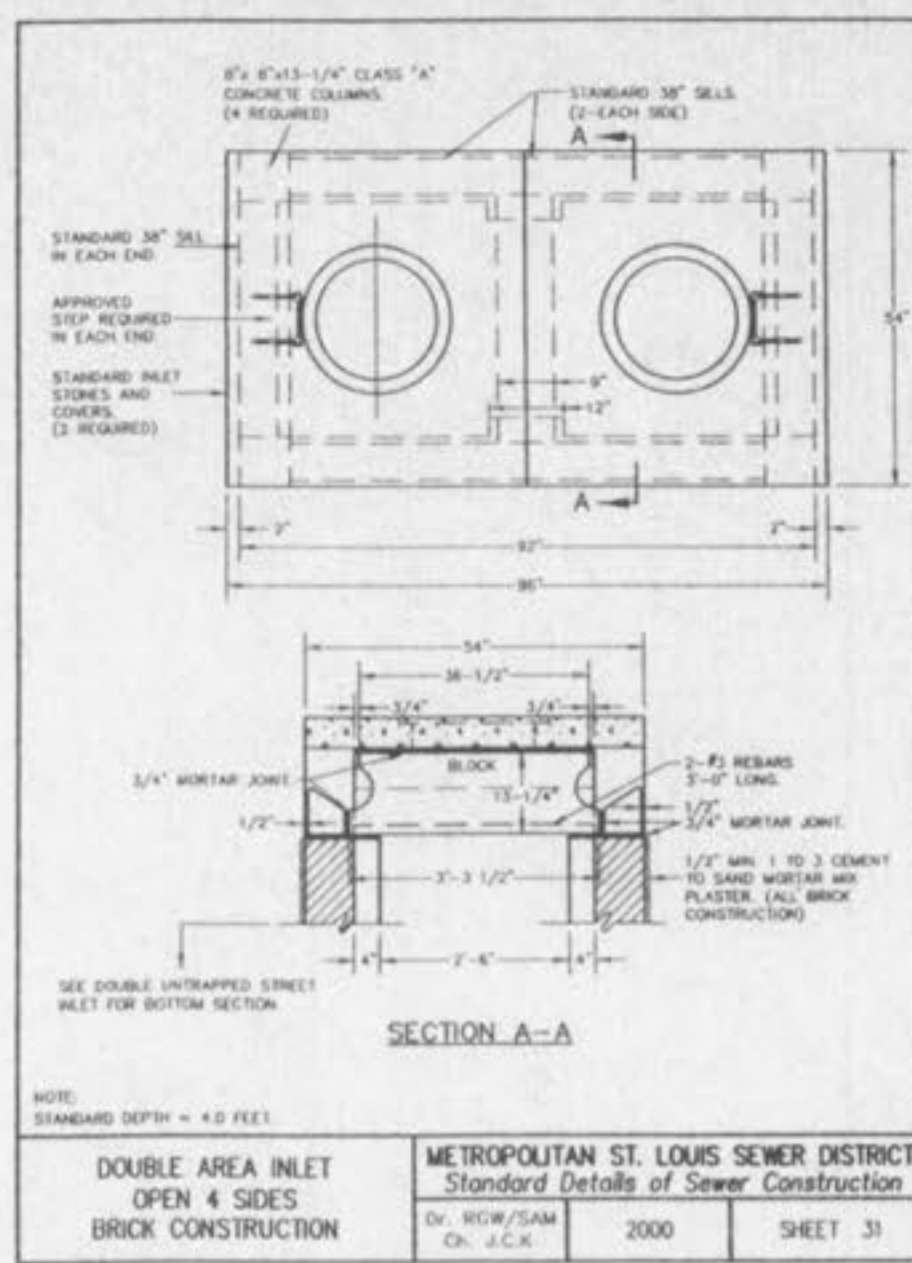
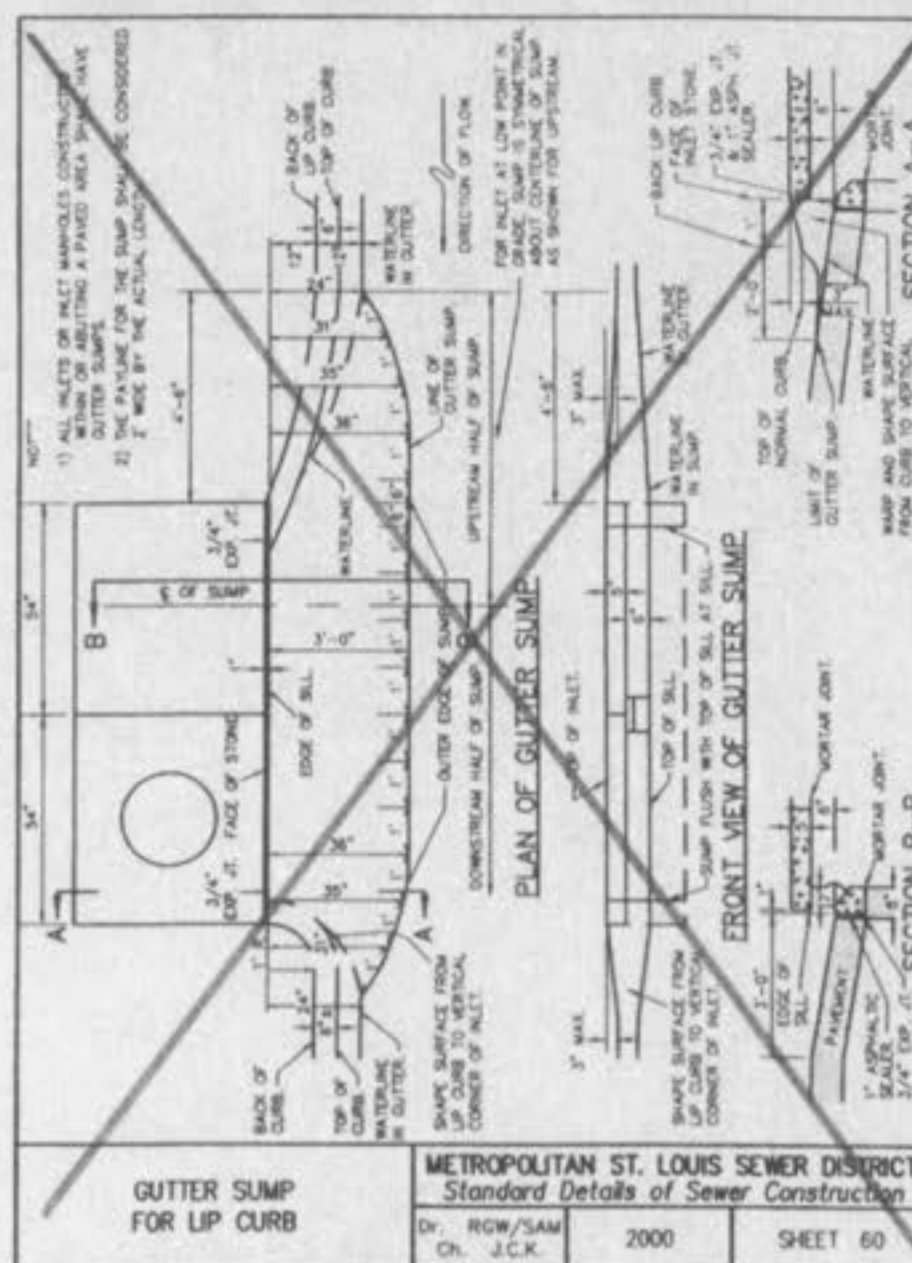


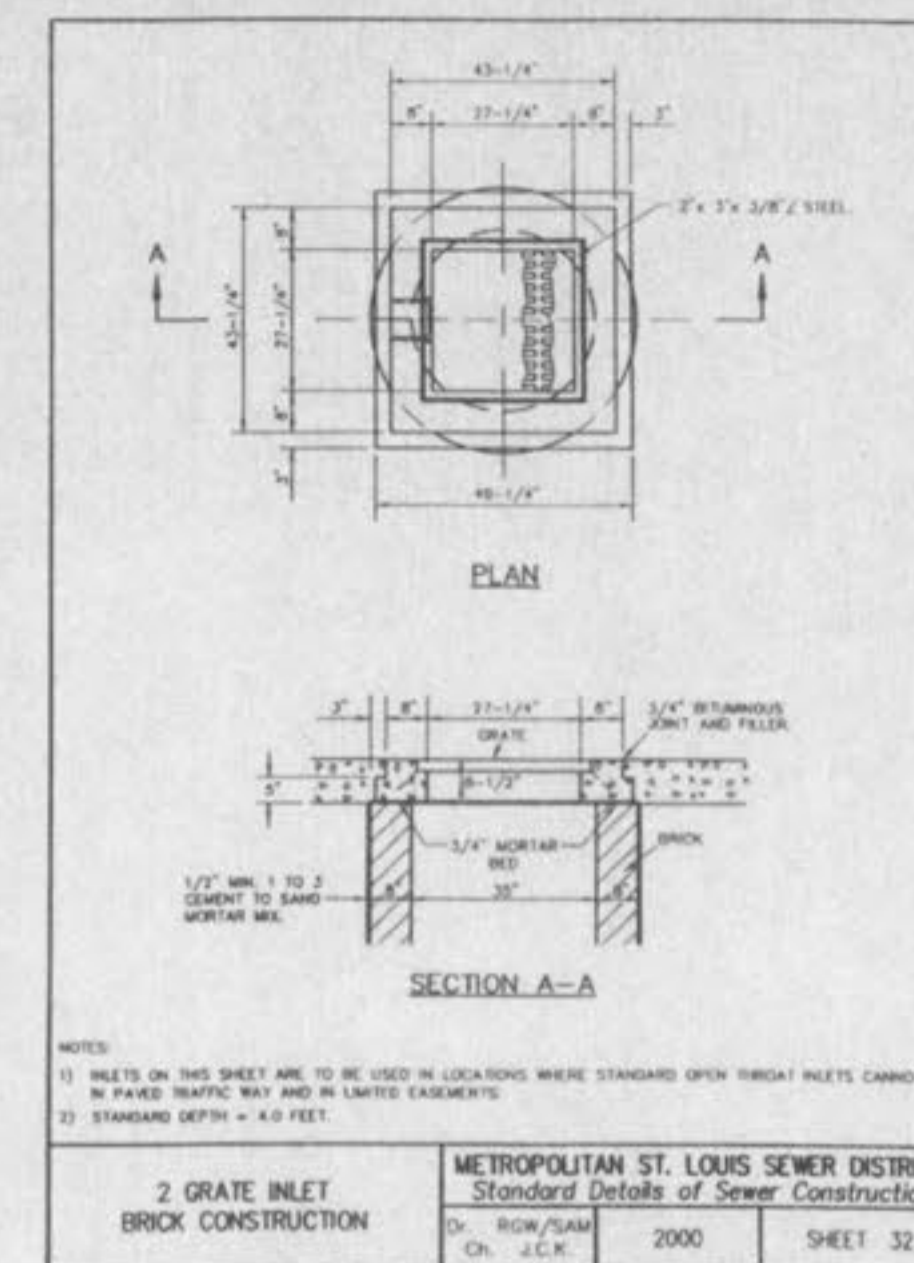
AREA INLET MANHOLE (12" THRU 24")
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. ROW/SAM Ch. J.C.K. 2000 SHEET 30



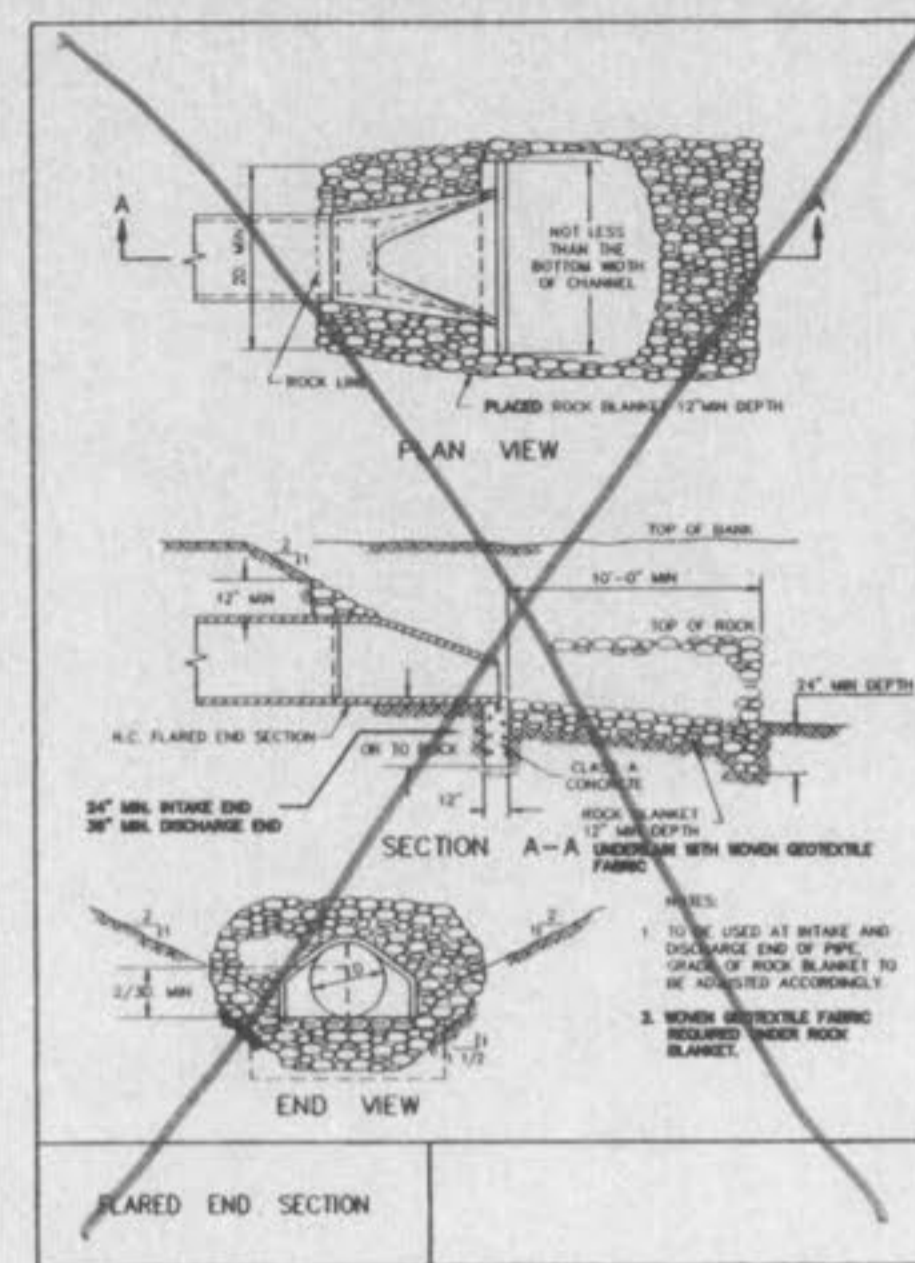
DOUBLE AREA INLET OPEN 4 SIDES BRICK CONSTRUCTION
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. ROW/SAM Ch. J.C.K. 2000 SHEET 31



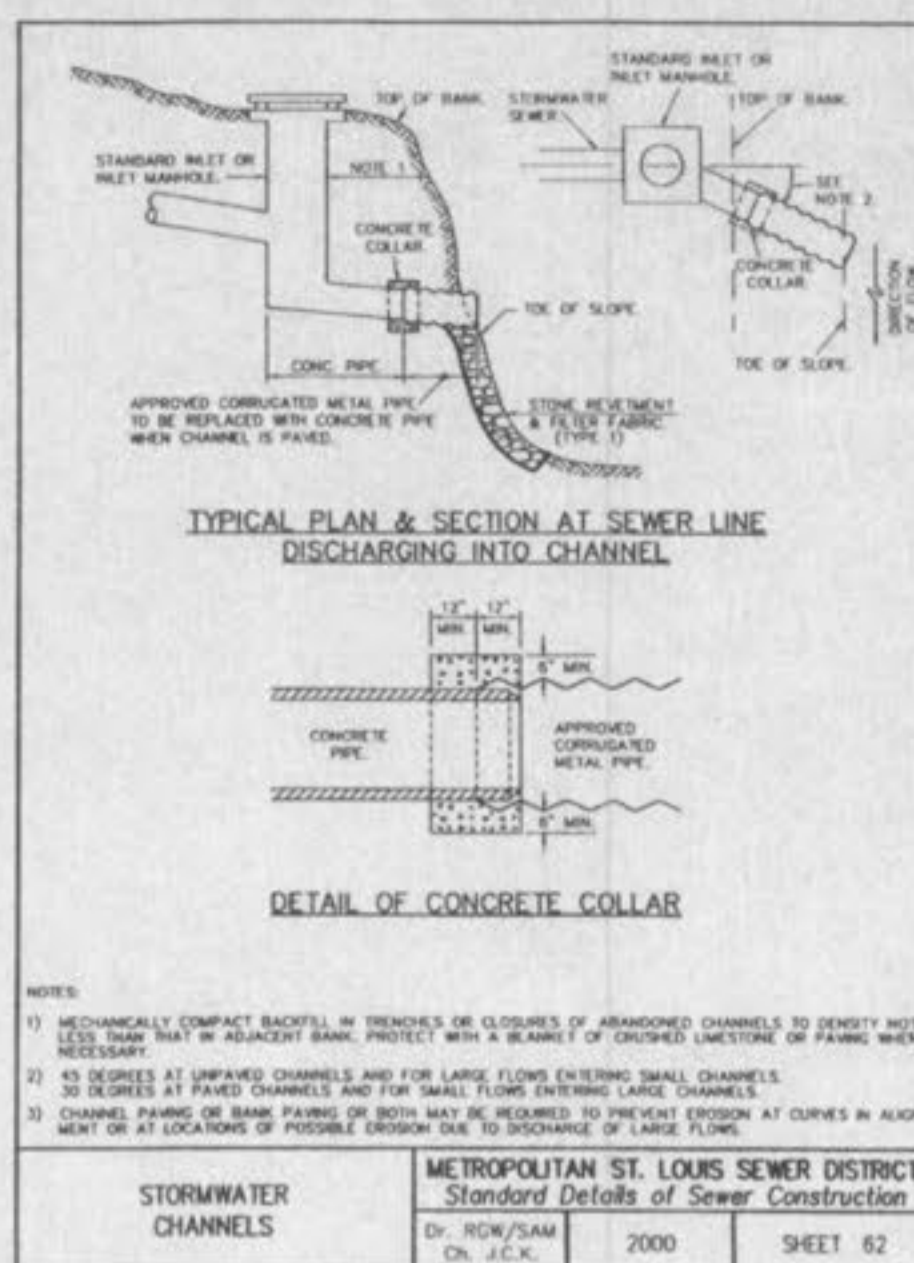
GUTTER SUMP FOR LIP CURB
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. ROW/SAM Ch. J.C.K. 2000 SHEET 60



2 GATE INLET BRICK CONSTRUCTION
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. ROW/SAM Ch. J.C.K. 2000 SHEET 32



FLARED END SECTION
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. ROW/SAM Ch. J.C.K. 2000 SHEET 62

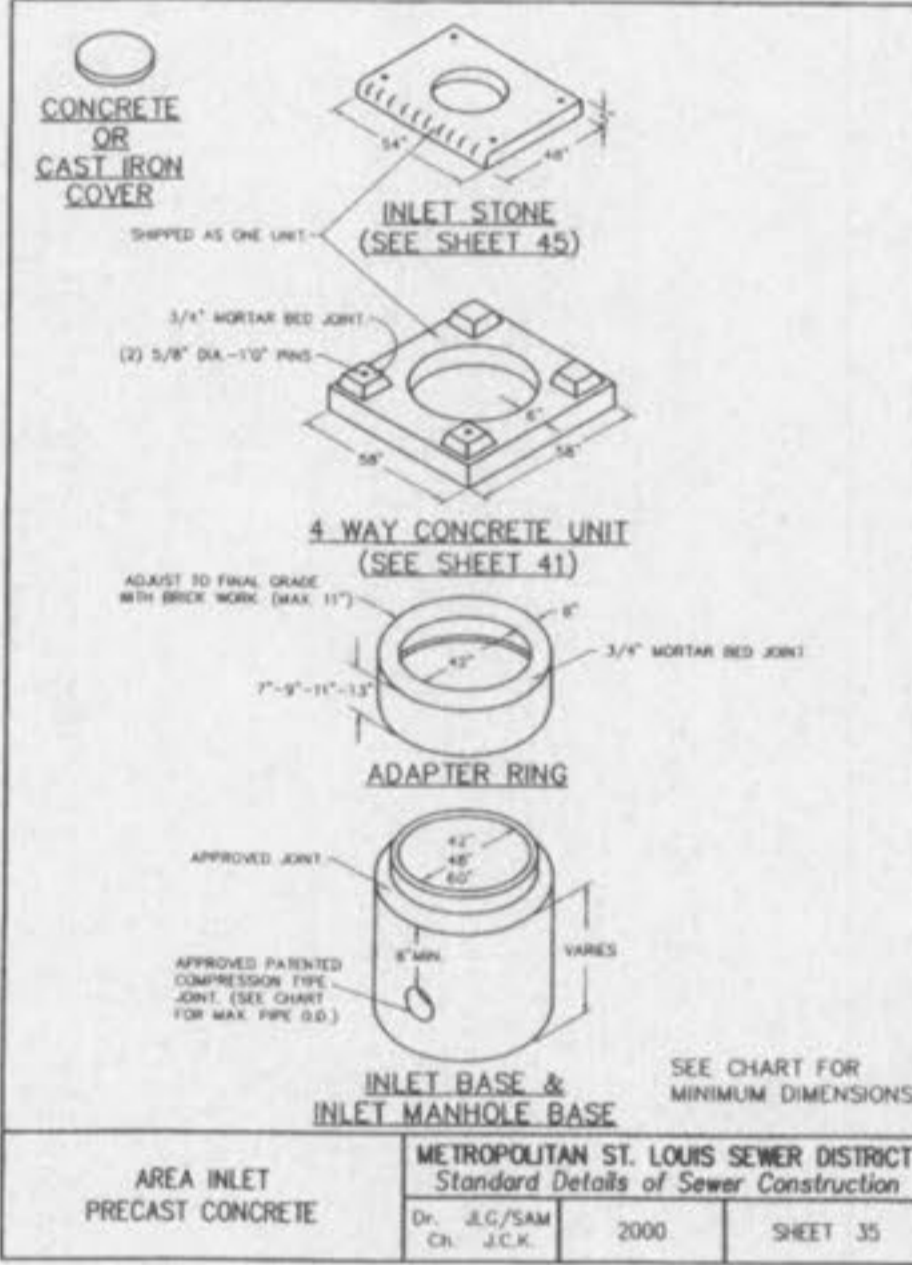


TYPICAL PLAN & SECTION AT SEWER LINE DISCHARGING INTO CHANNEL
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. ROW/SAM Ch. J.C.K. 2000 SHEET 62

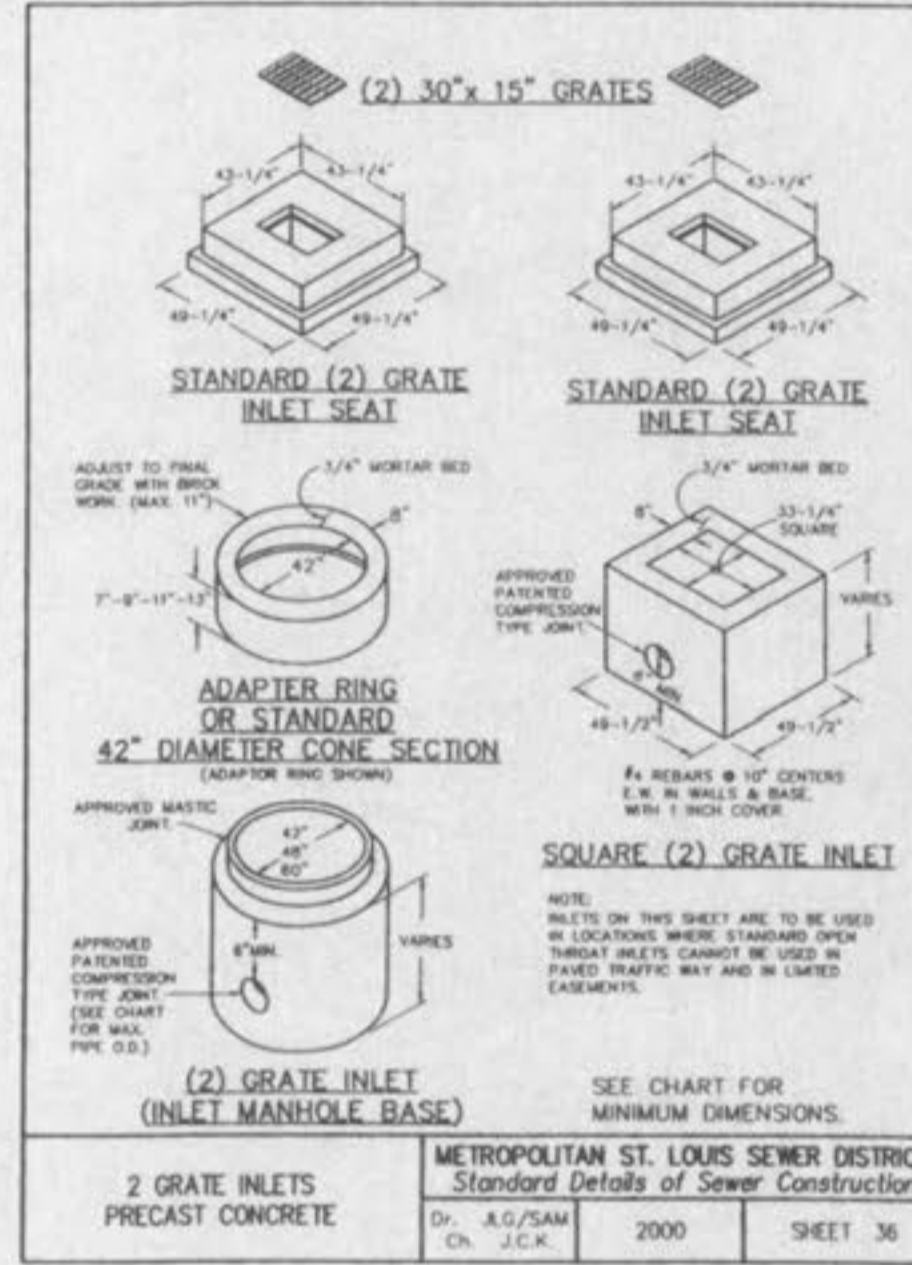
PRECAST CONCRETE STORMWATER STRUCTURES
 MINIMUM DISTANCE FLOWLINE TO TOP OF STONE OR GRATE

PIPE I.D. NOMINAL INCHES	AREA INLET CIRCULAR BASE DIA.	CEL. GRATE INLET CIRCULAR BASE DIA.	SQUARE INLET CIRCULAR BASE DIA.	SINGLE STREET INLET CIRCULAR BASE DIA.	RECTANGULAR INLET CIRCULAR BASE DIA.
12"	18"	18"	18"	18"	18"
15"	24"	24"	24"	24"	24"
18"	30"	30"	30"	30"	30"
21"	36"	36"	36"	36"	36"
24"	42"	42"	42"	42"	42"
27"	48"	48"	48"	48"	48"
30"	54"	54"	54"	54"	54"
33"	60"	60"	60"	60"	60"

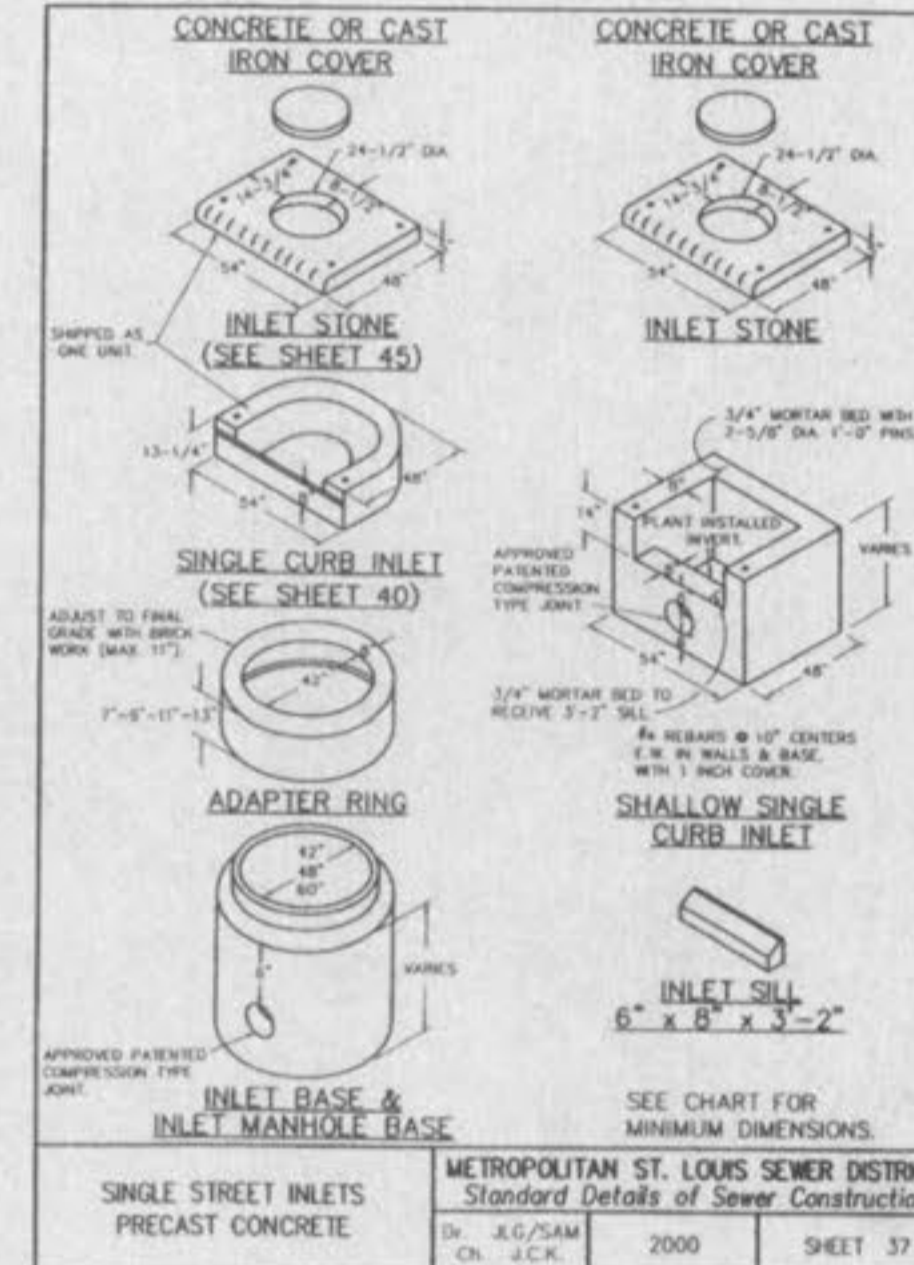
PRECAST CONCRETE STORMWATER STRUCTURES
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. J.L.G. Ch. J.C.K. 2000 SHEET 34



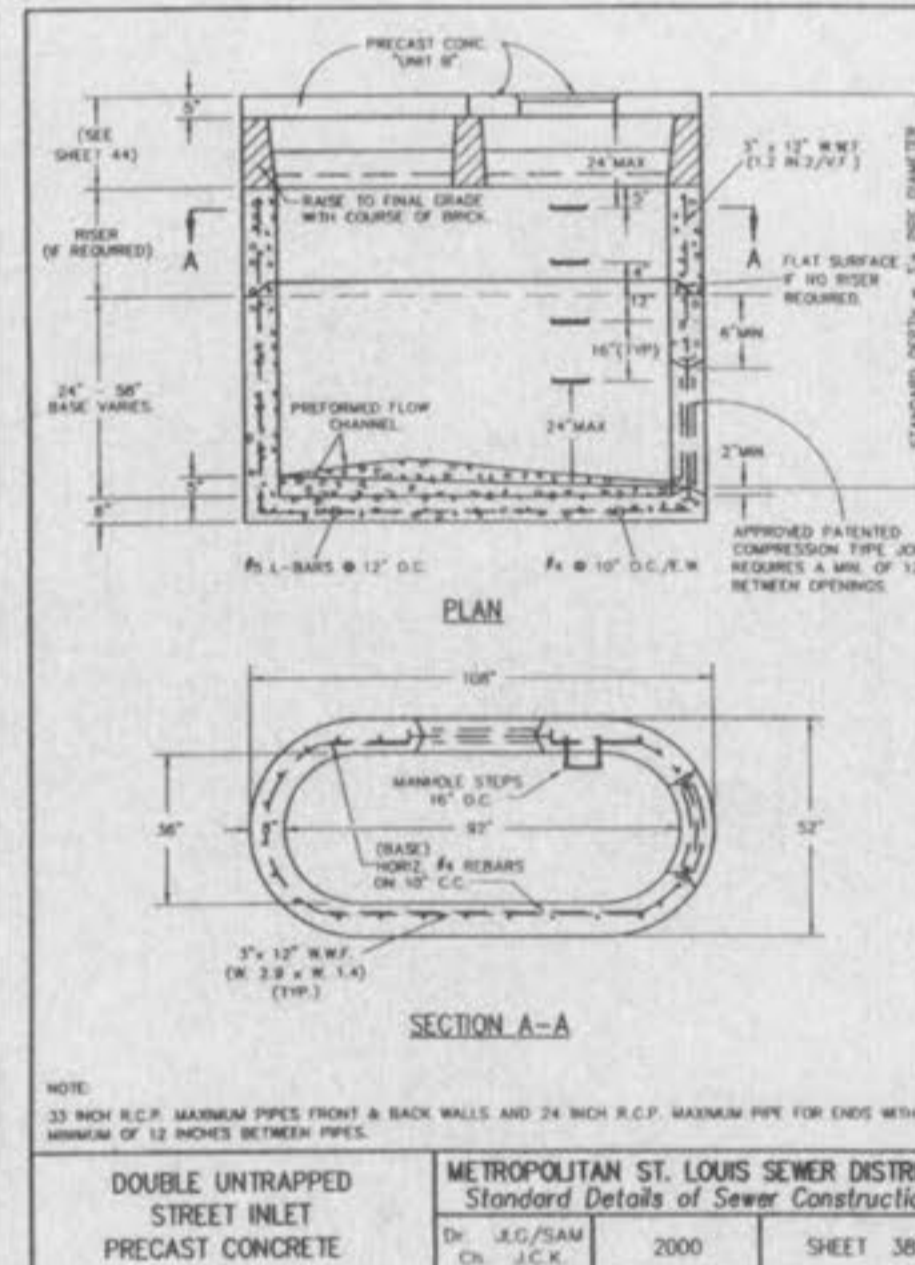
CONCRETE OR CAST IRON COVER
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. A.G./SAM Ch. J.C.K. 2000 SHEET 35



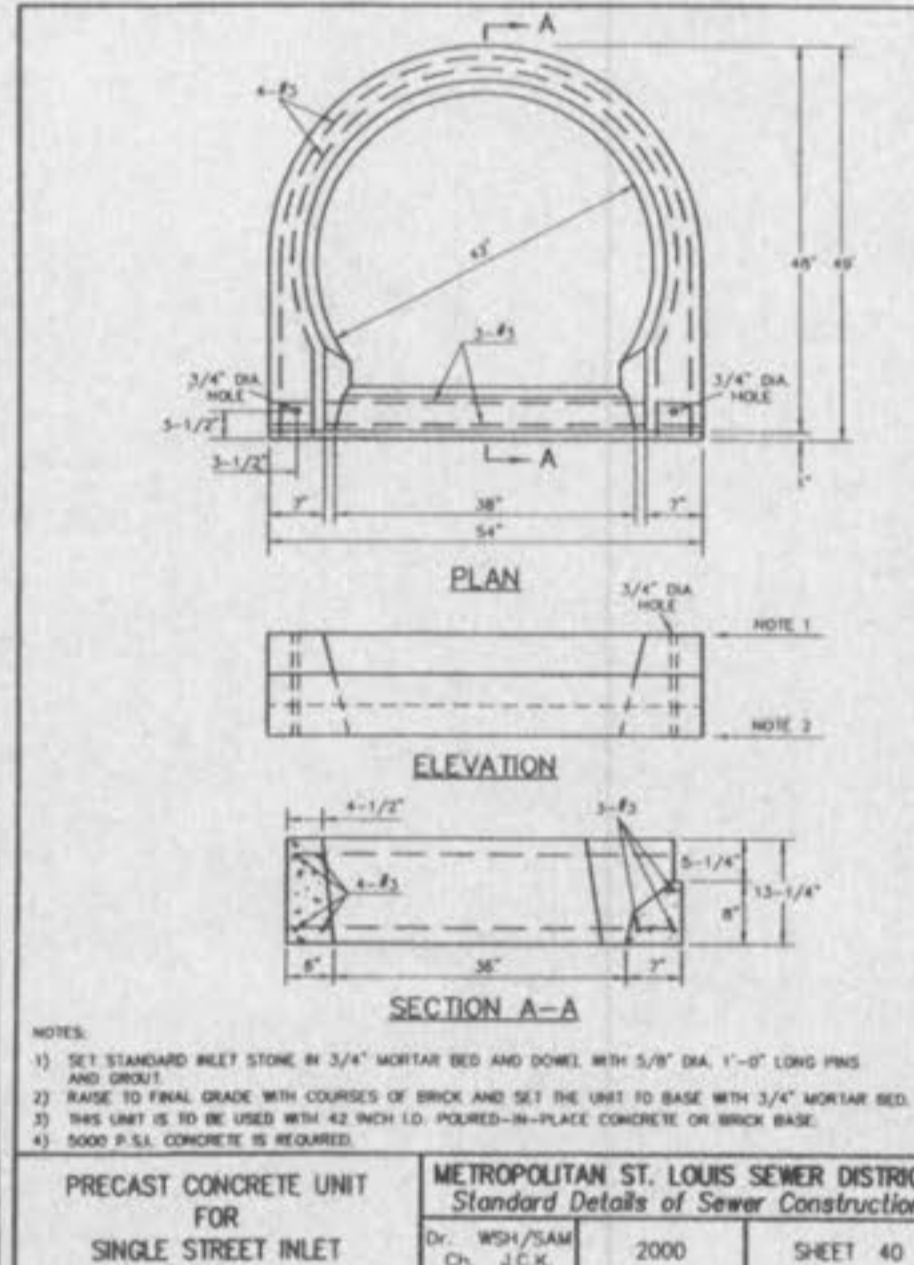
2 GRATE INLETS
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. A.G./SAM Ch. J.C.K. 2000 SHEET 36



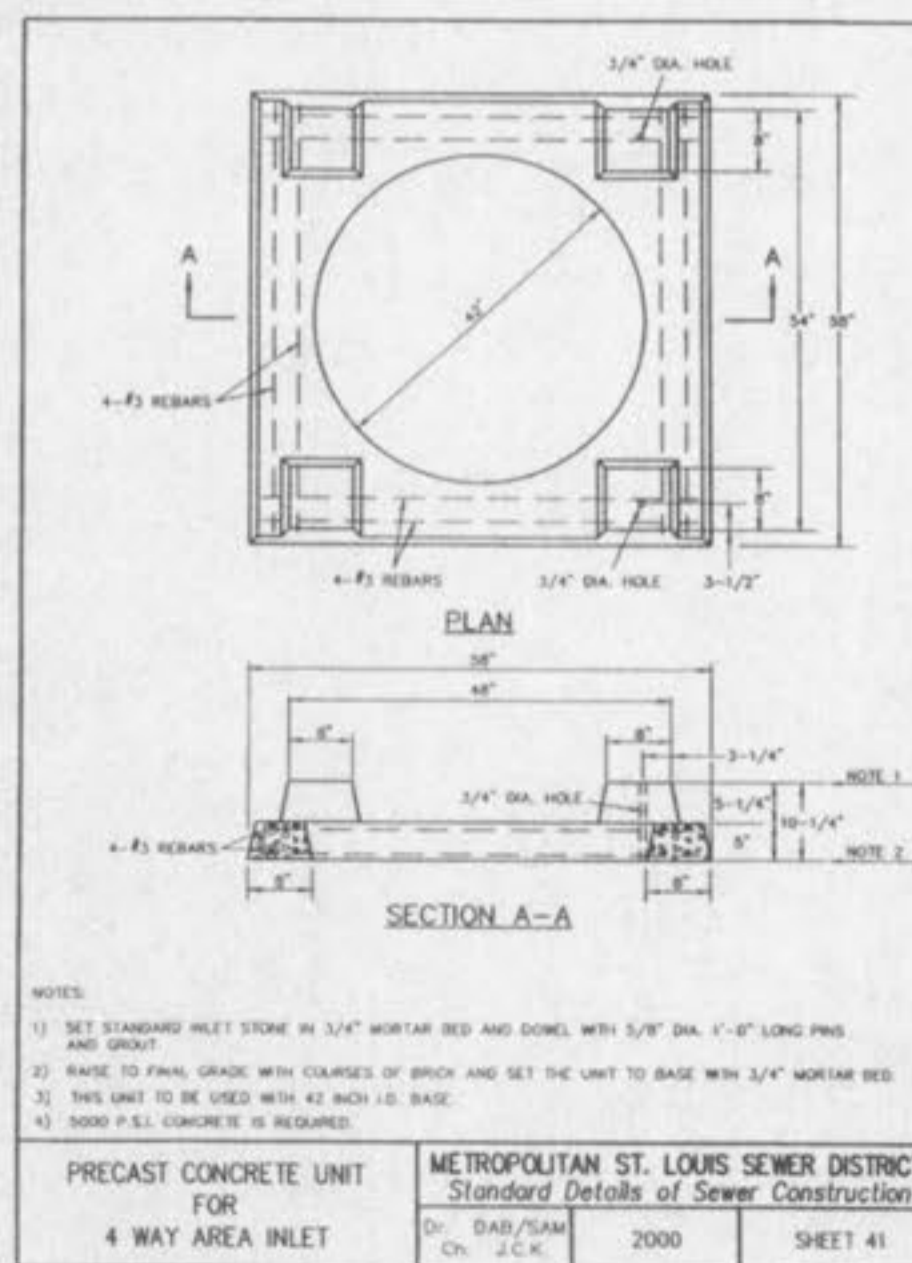
CONCRETE OR CAST IRON COVER
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. A.G./SAM Ch. J.C.K. 2000 SHEET 37



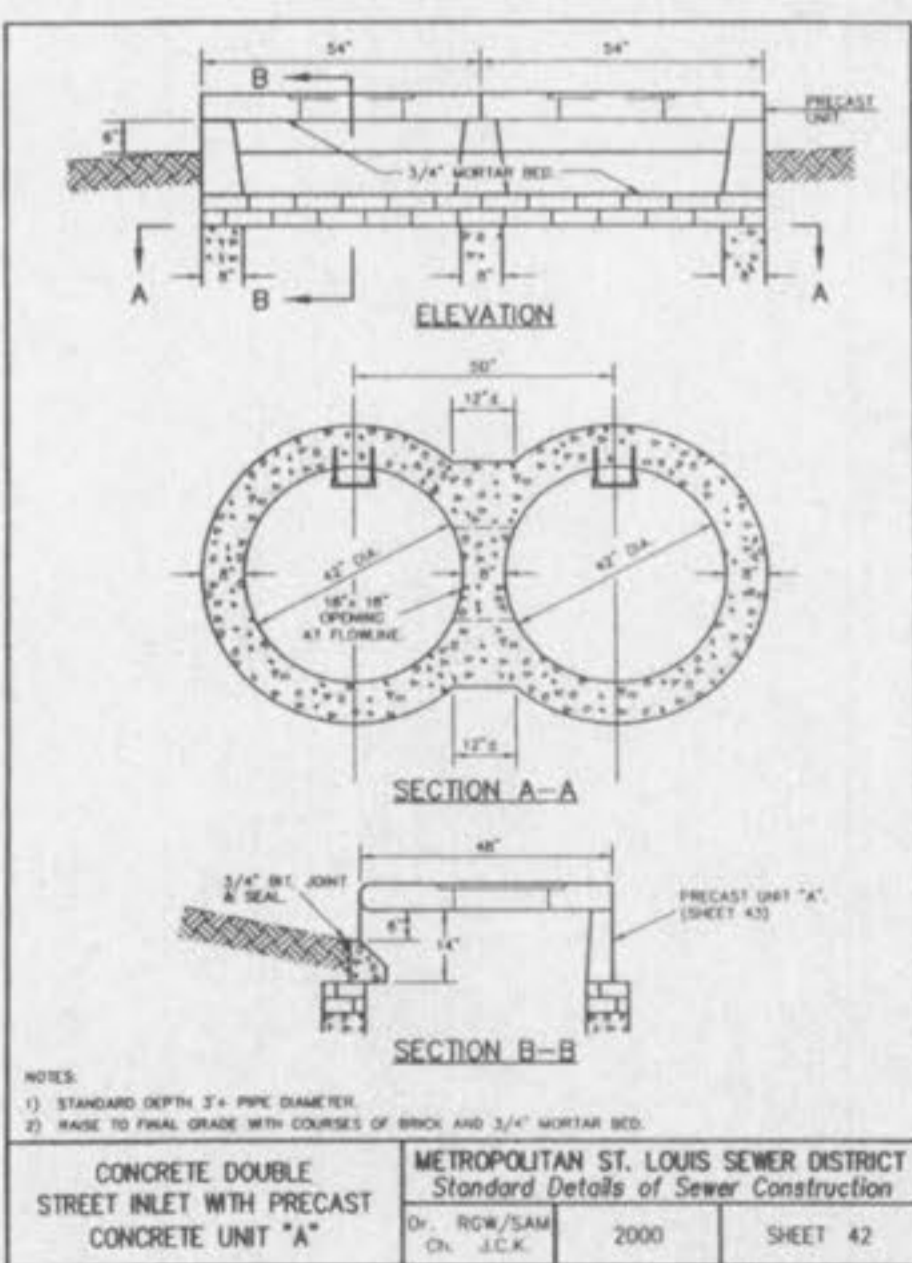
DOUBLE UNTRAPPED STREET INLET
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. J.C.G./SAM Ch. J.C.K. 2000 SHEET 38



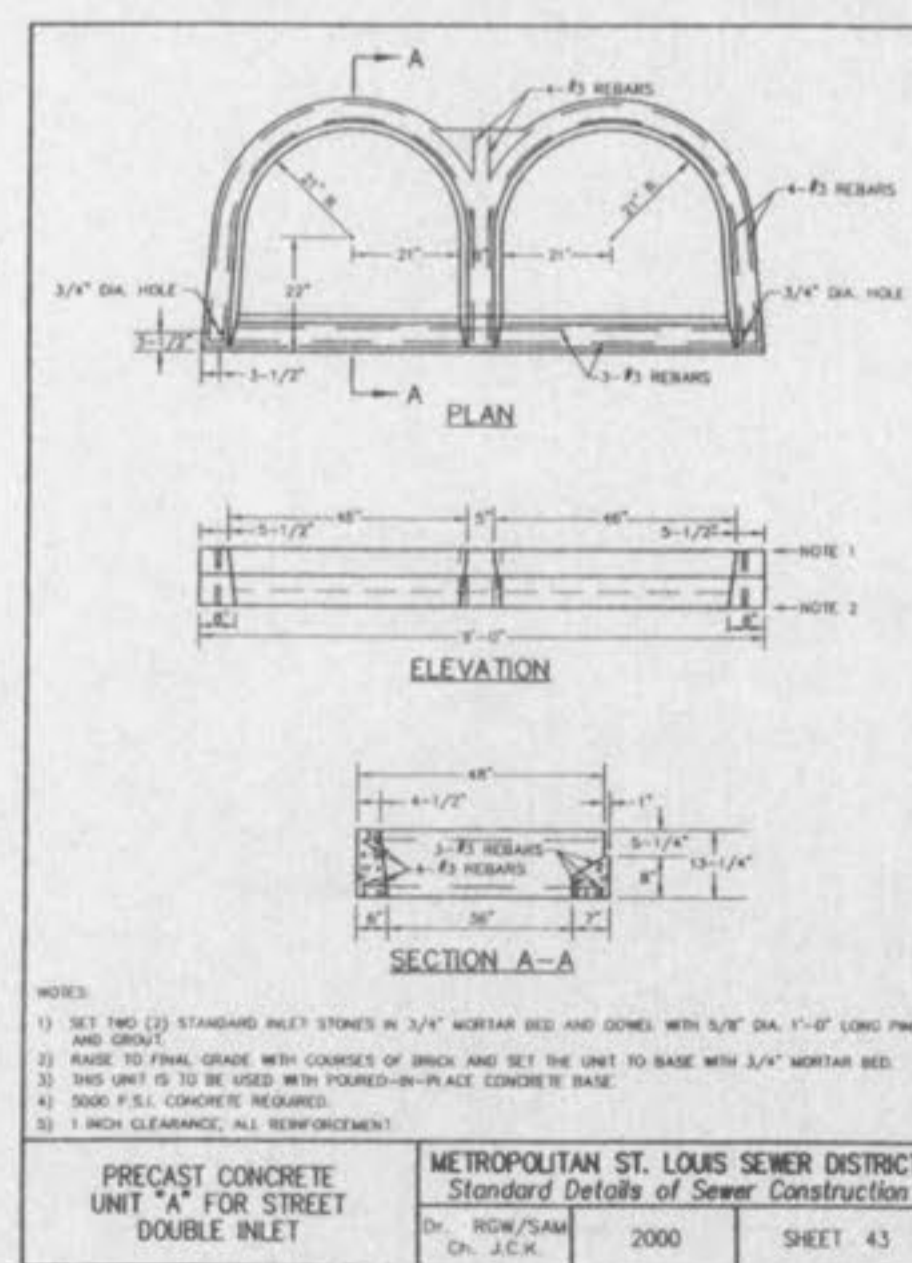
PRECAST CONCRETE UNIT FOR SINGLE STREET INLET
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. WSH/SAM Ch. J.C.K. 2000 SHEET 40



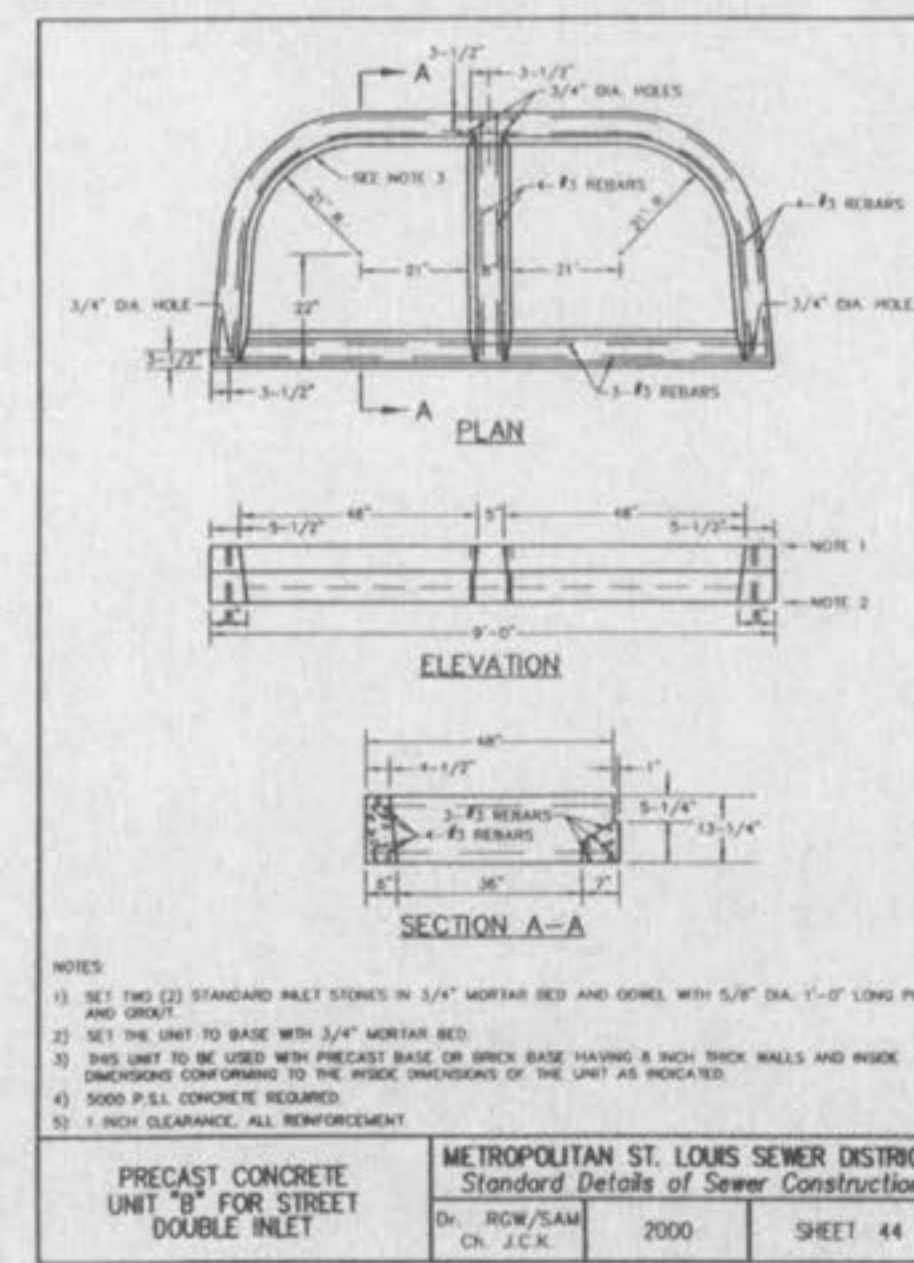
PRECAST CONCRETE UNIT FOR 4 WAY AREA INLET
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. DAB/SAM Ch. J.C.K. 2000 SHEET 41



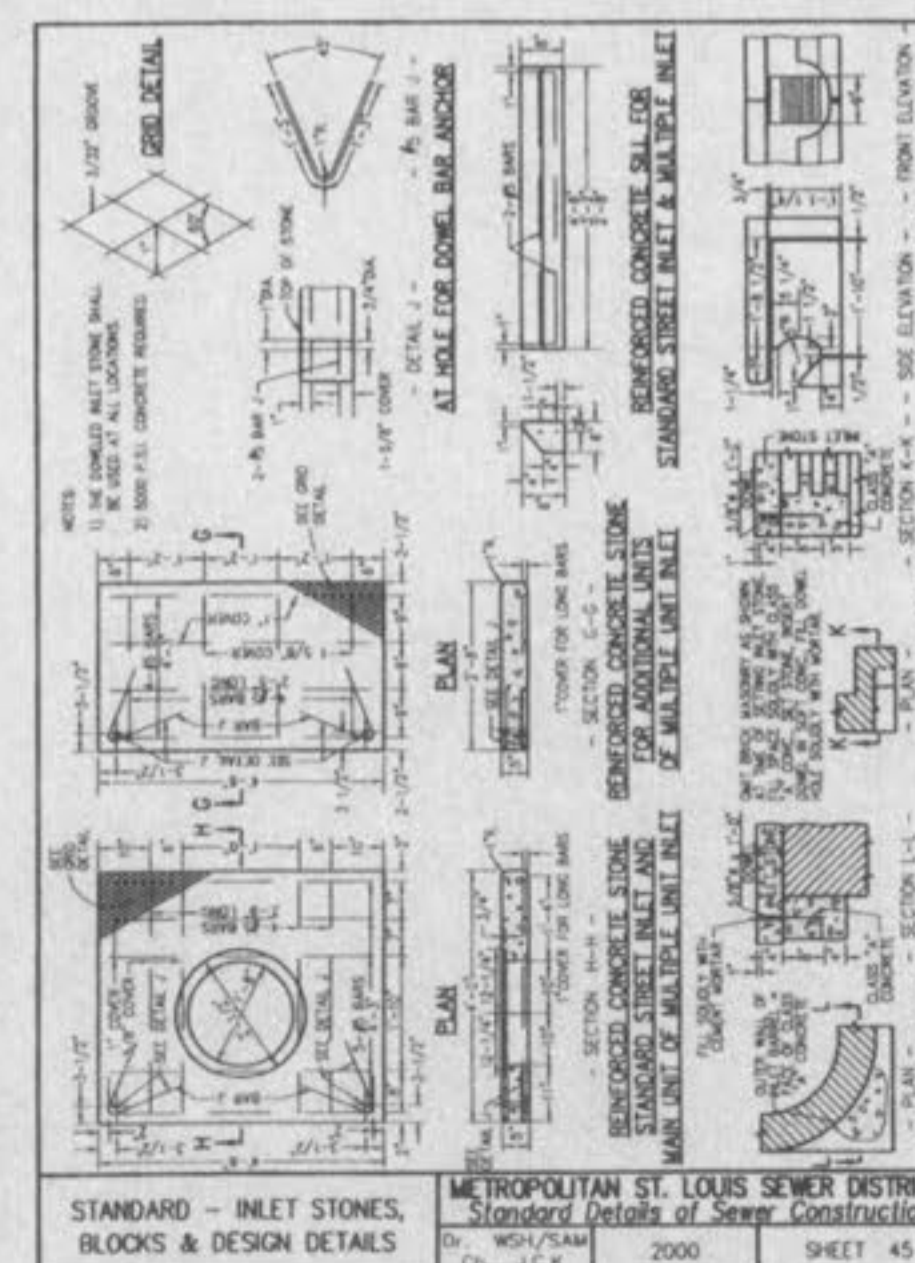
CONCRETE DOUBLE STREET INLET WITH PRECAST CONCRETE UNIT "A"
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. ROW/SAM Ch. J.C.K. 2000 SHEET 42



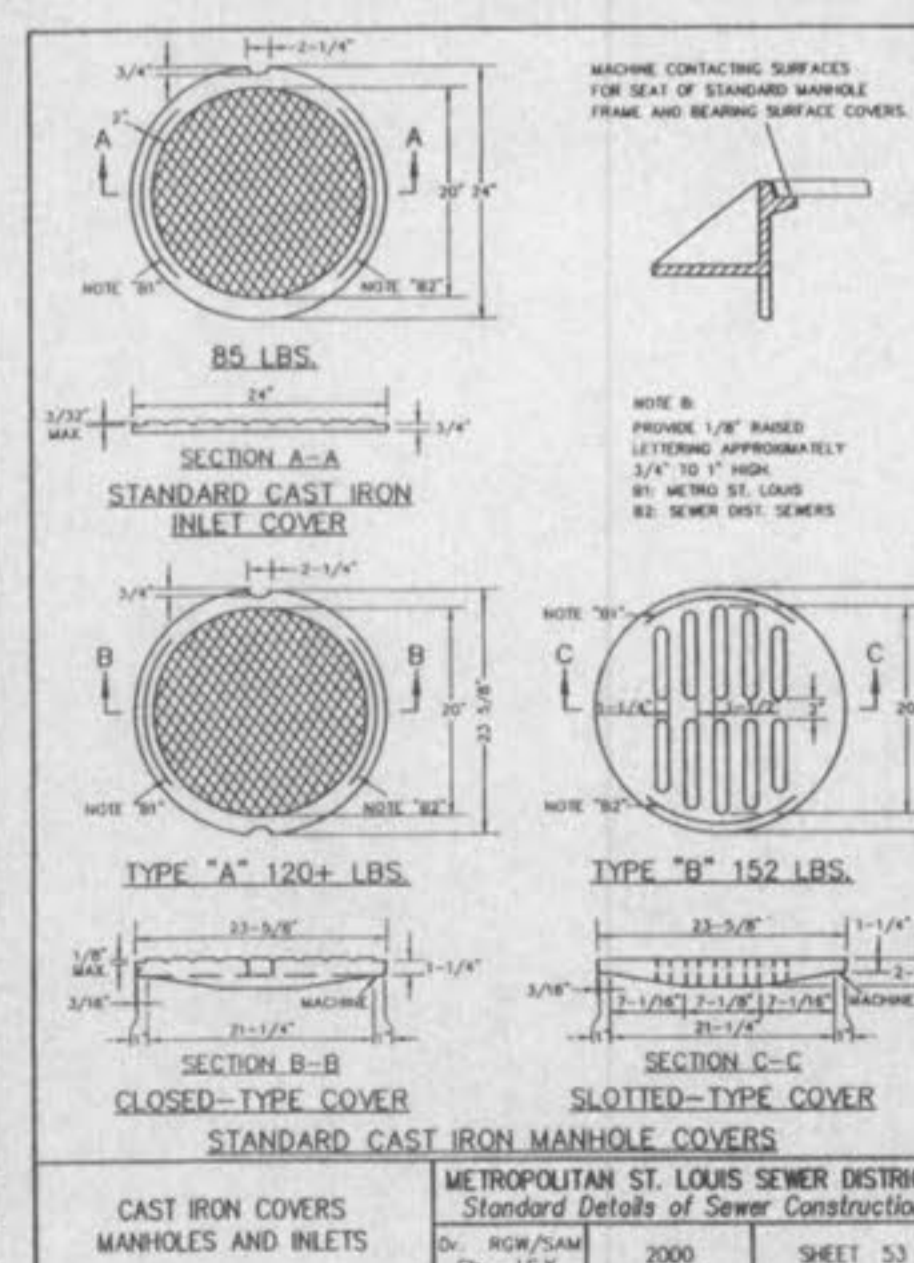
PRECAST CONCRETE UNIT "A" FOR STREET DOUBLE INLET
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. ROW/SAM Ch. J.C.K. 2000 SHEET 43



PRECAST CONCRETE UNIT "B" FOR STREET DOUBLE INLET
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
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STANDARD - INLET STONES, BLOCKS & DESIGN DETAILS
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. WSH/SAM Ch. J.C.K. 2000 SHEET 45



CAST IRON COVERS MANHOLES AND INLETS
 METROPOLITAN ST. LOUIS SEWER DISTRICT
 Standard Details of Sewer Construction
 D. ROW/SAM Ch. J.C.K. 2000 SHEET 33

**IMPROVEMENT PLANS
 PEACEFUL VALLEY
 STORM DETAILS 1**

ST. CHARLES ENGINEERING & SURVEYING, INC.
 801 S. FIFTH STREET, SUITE 202
 ST. CHARLES, MO 63801
 TEL: (636) 947-0607 FAX: (636) 947-2448



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