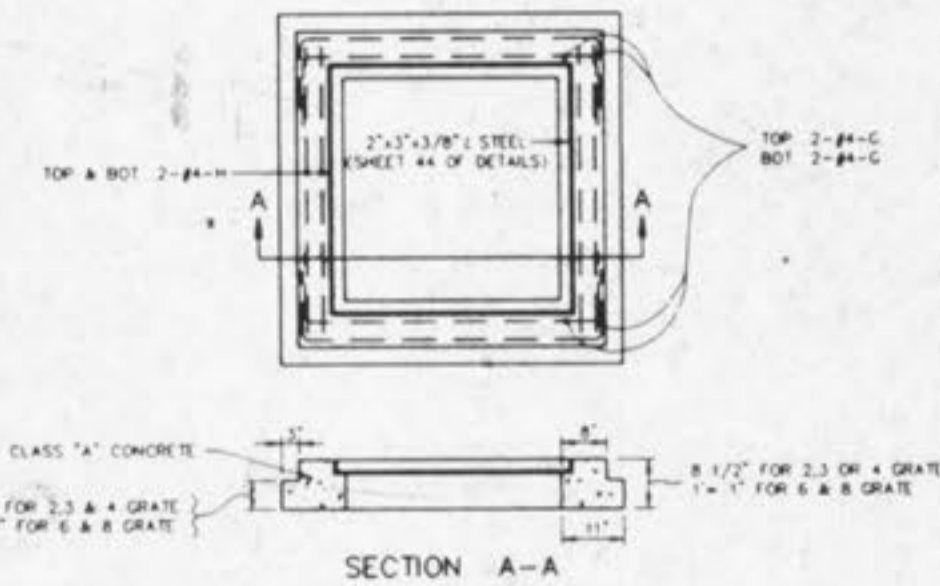
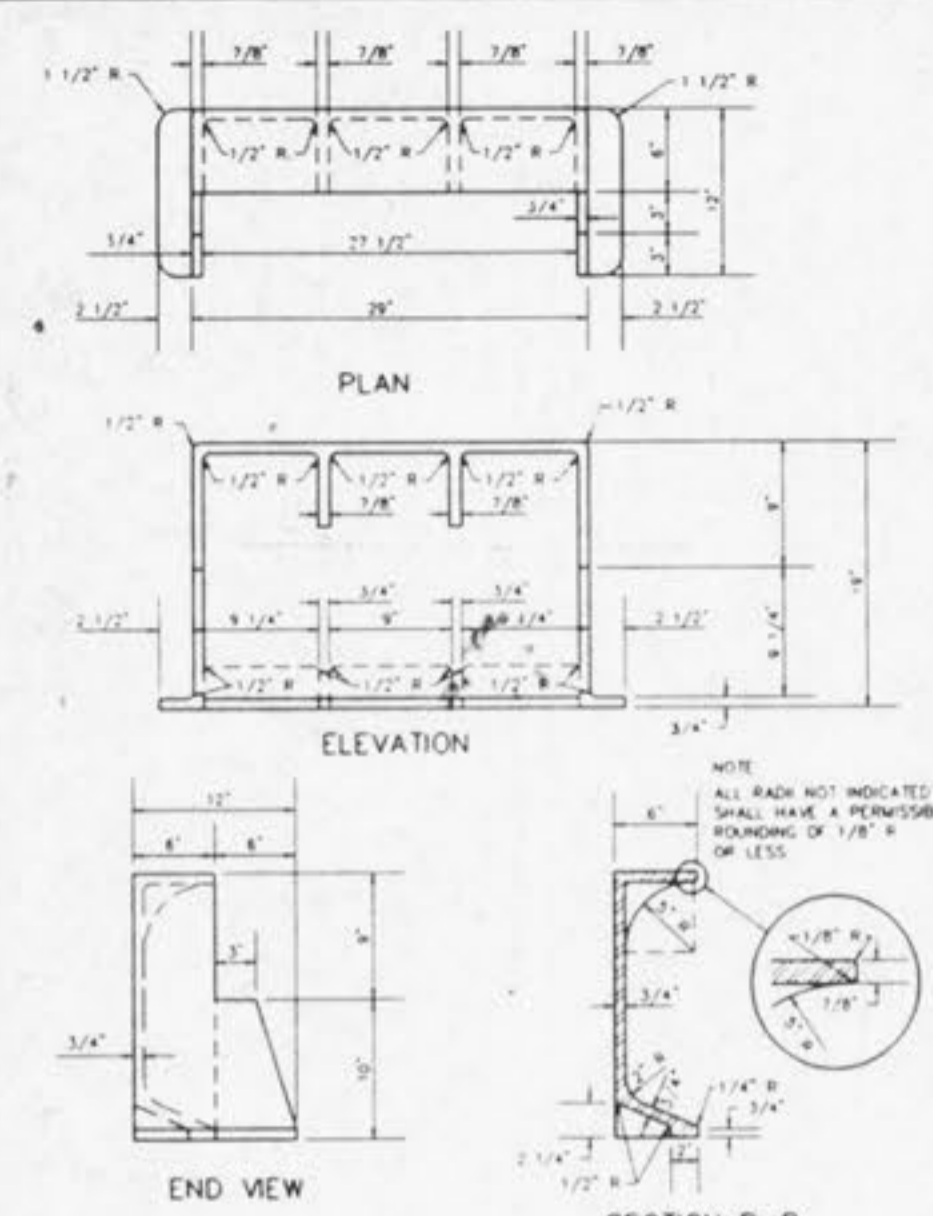


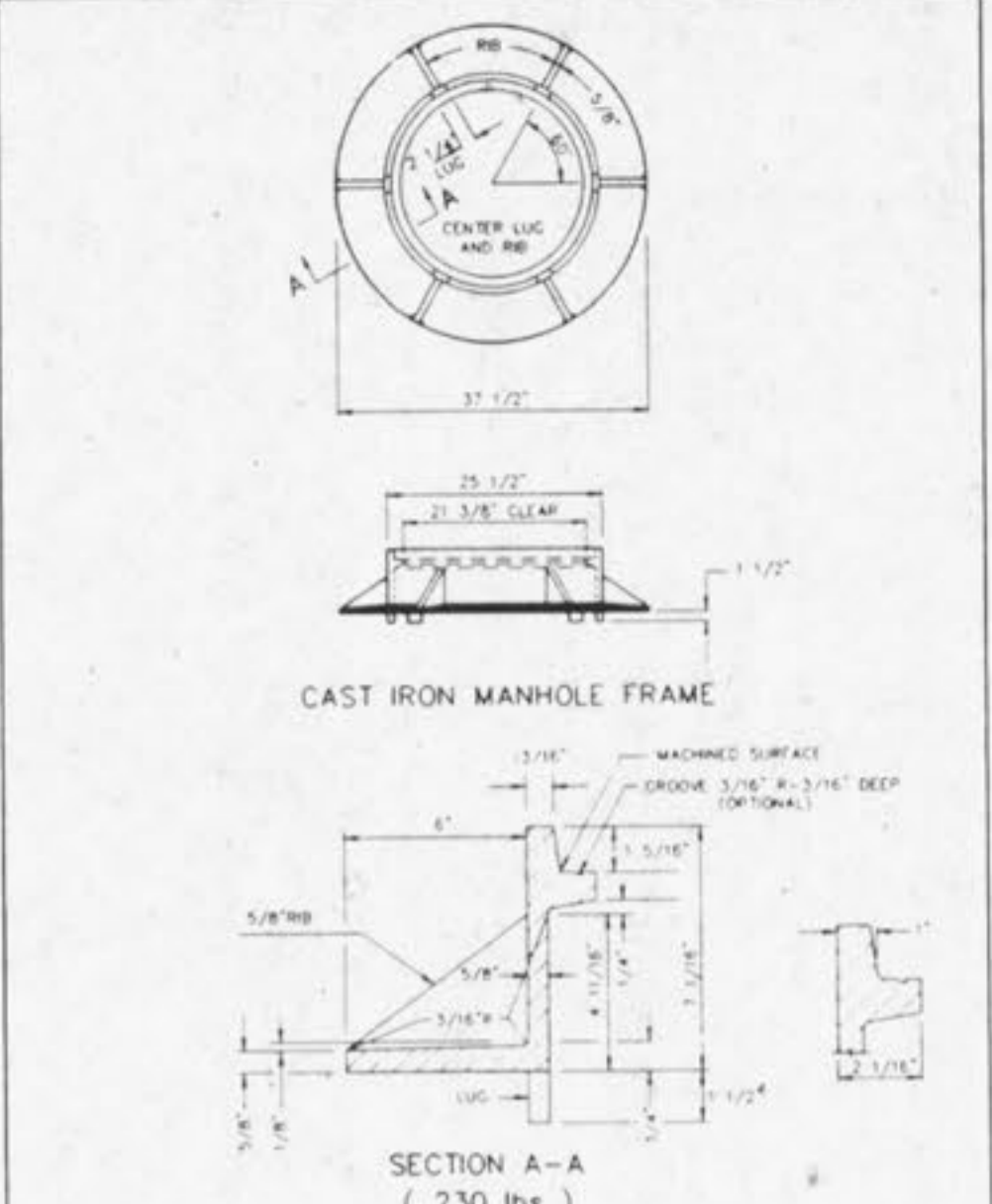
CALL	USE	Ø	STRAIGHT BARS
G-1	2, 3, OR 4 GRATE	3'-4"	
G-2	6 & 8 GRATE	5'-10"	
H-2	2 GRATE	3'-6"	
H-3	3 & 6 GRATE	4'-9"	
H-4	4 & 8 GRATE	6'-0"	



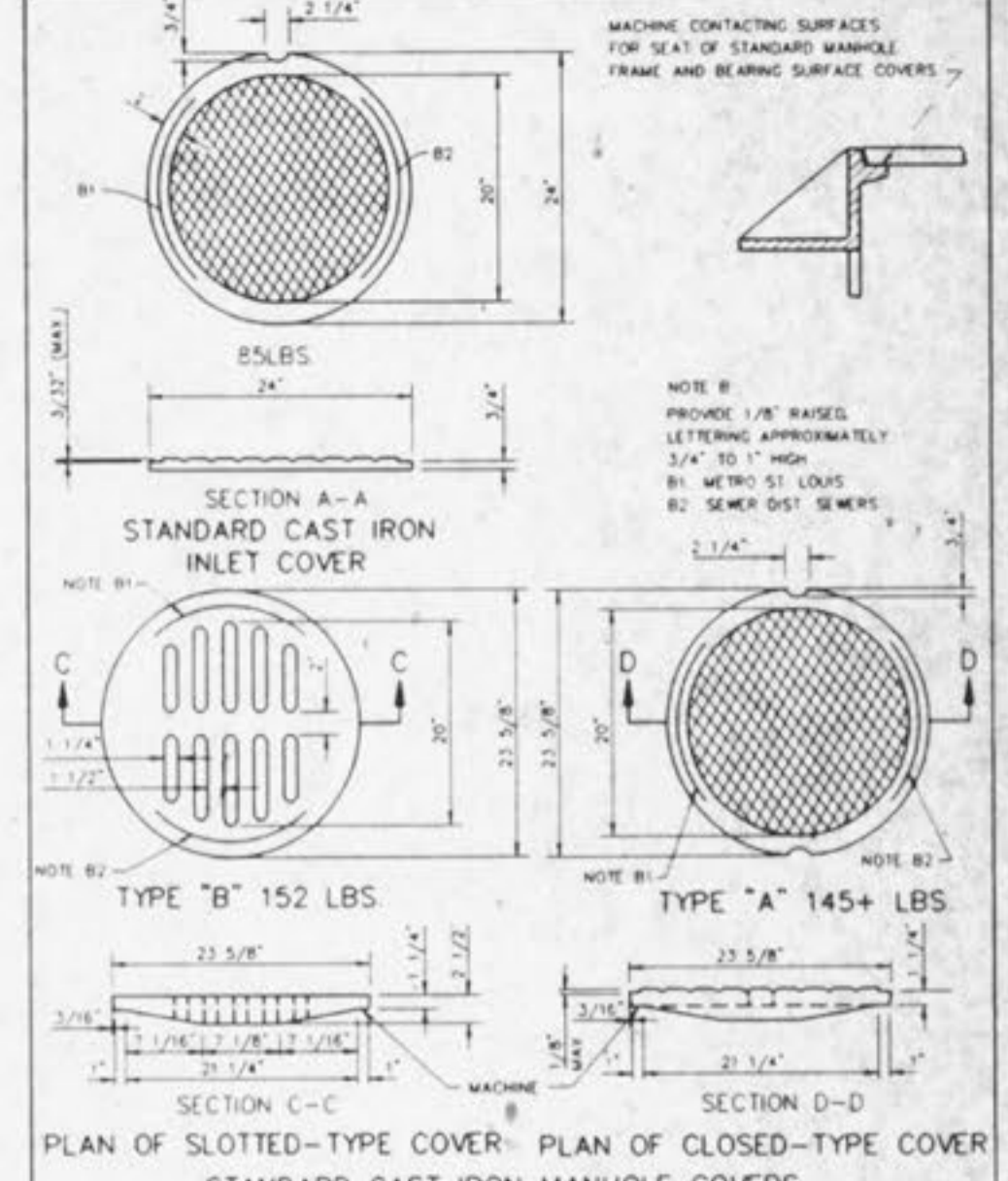
**STEEL REQUIREMENTS FOR GRATE INLET SEAT**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. W.S.H. 1992 SHEET 46



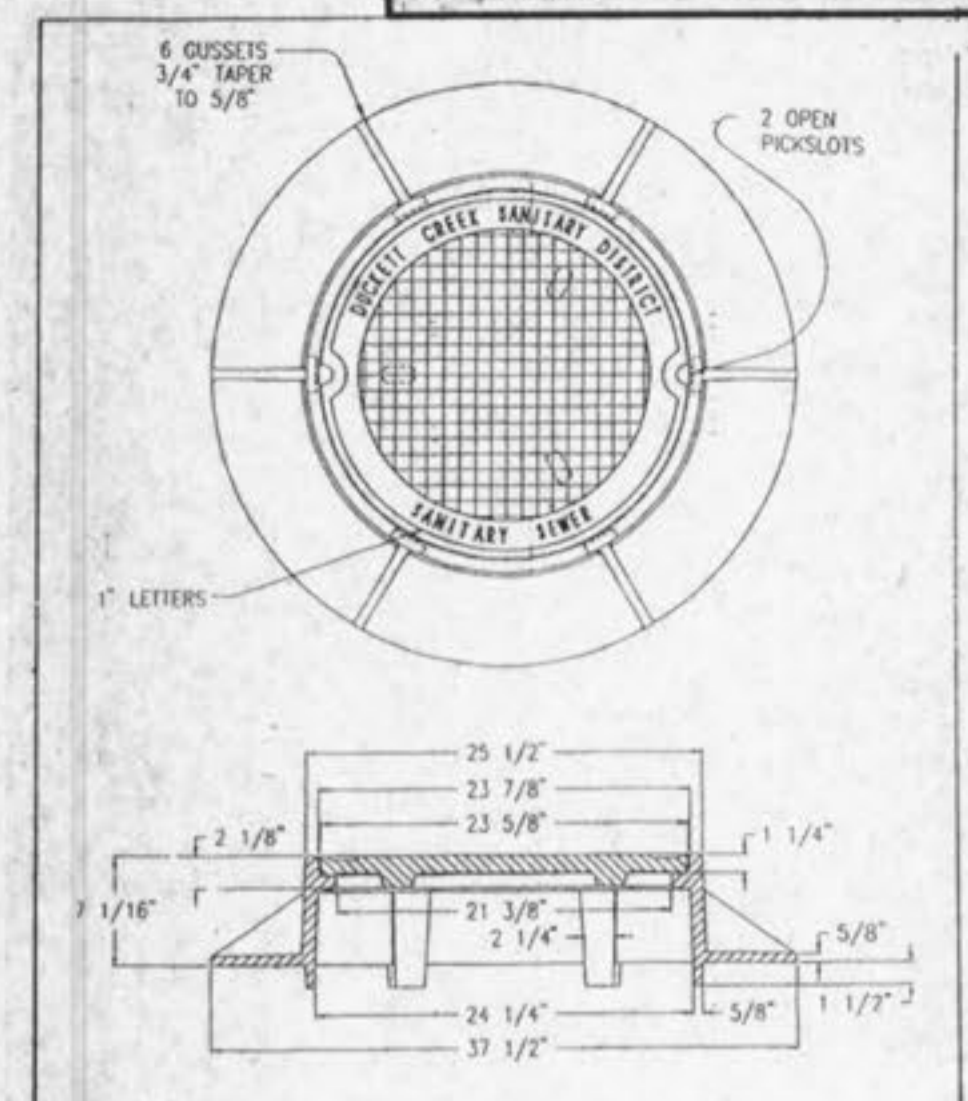
**CAST IRON SIDE INTAKE UNIT FOR GRATED INLETS**  
249 LBS.  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. R.G.W. 1992 SHEET 47



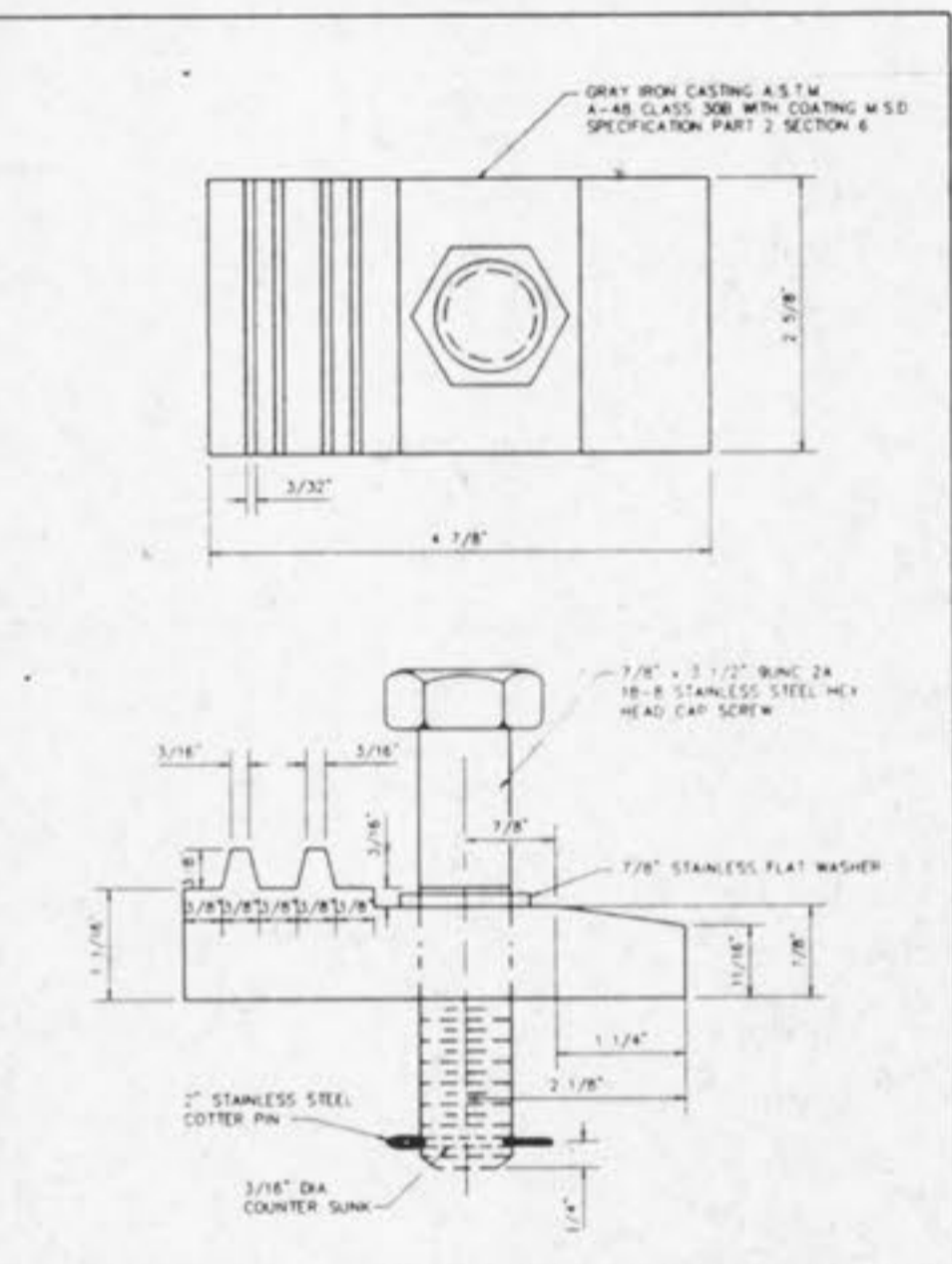
**CAST IRON MANHOLE FRAME**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. D.A.B. 1992 SHEET 48



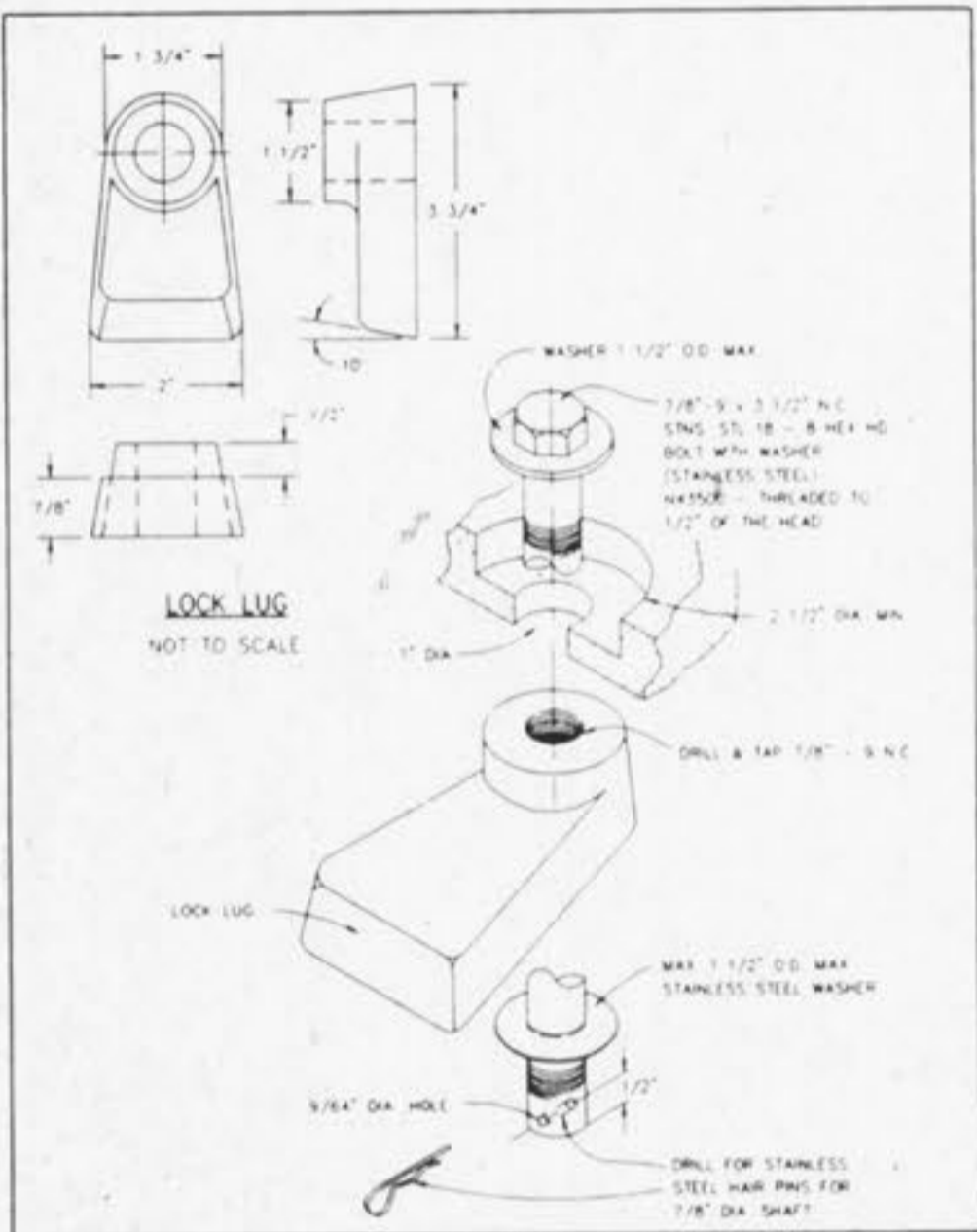
**CAST IRON COVERS MANHOLES AND INLETS**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. R.G.W. 1992 SHEET 49



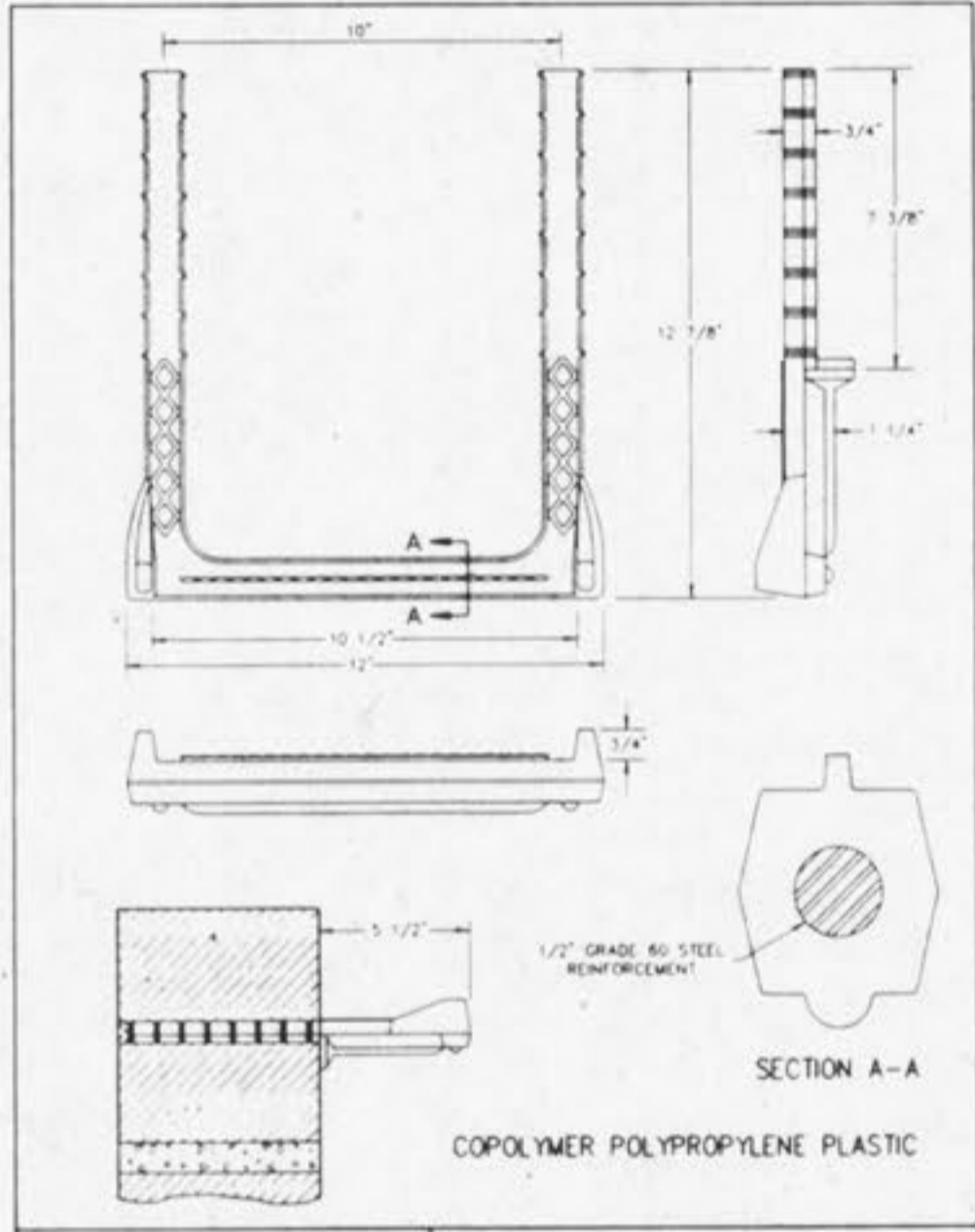
**MANHOLE RING & COVER**  
DUCKETT CREEK SANITARY DISTRICT  
STANDARD CONSTRUCTION DETAIL  
DETAIL NO. MAY 1996



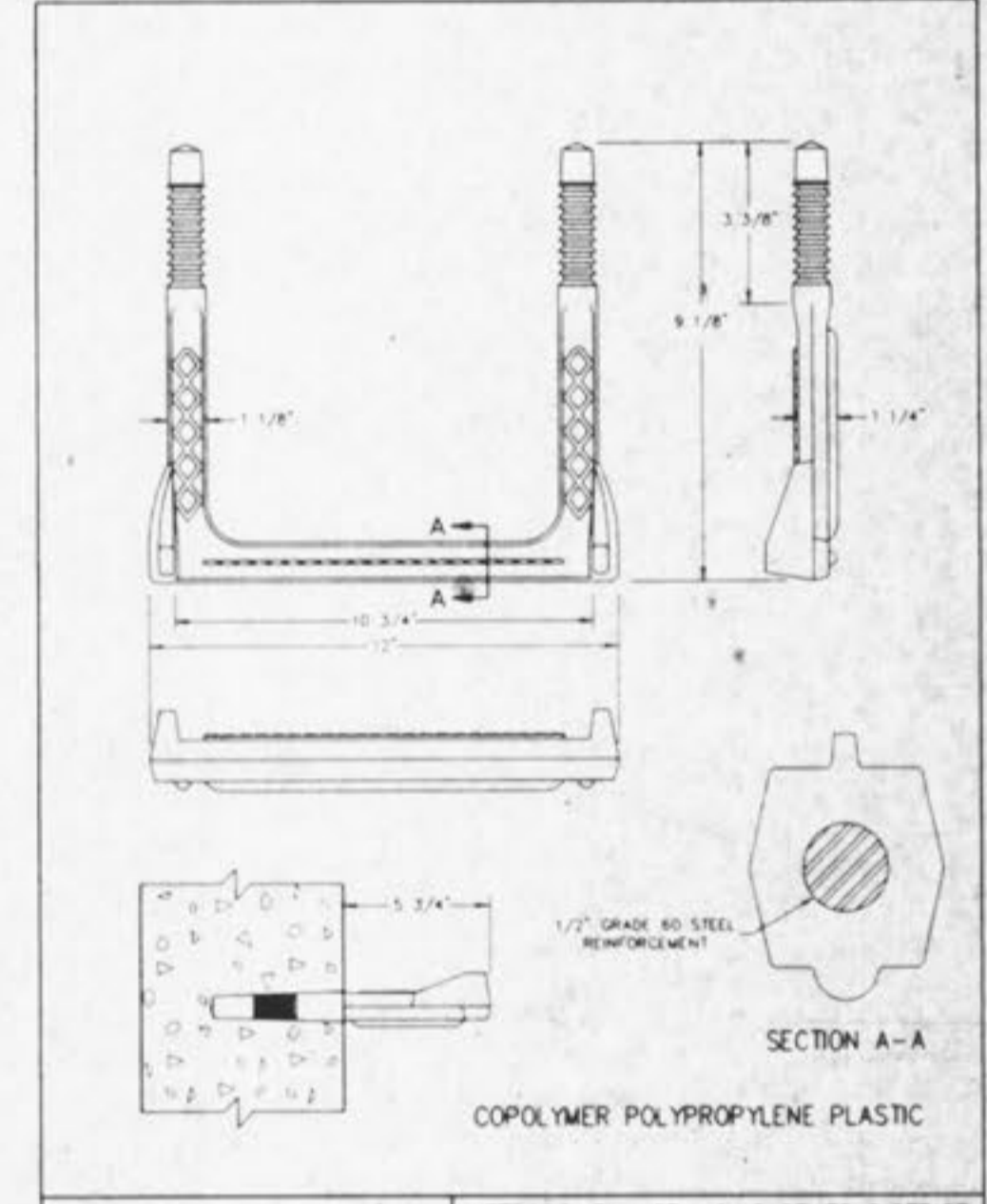
**LOCKING DEVICE FOR TYPE 'T' LOCK TYPE MANHOLE COVER**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. R.G.W. 1992 SHEET 51



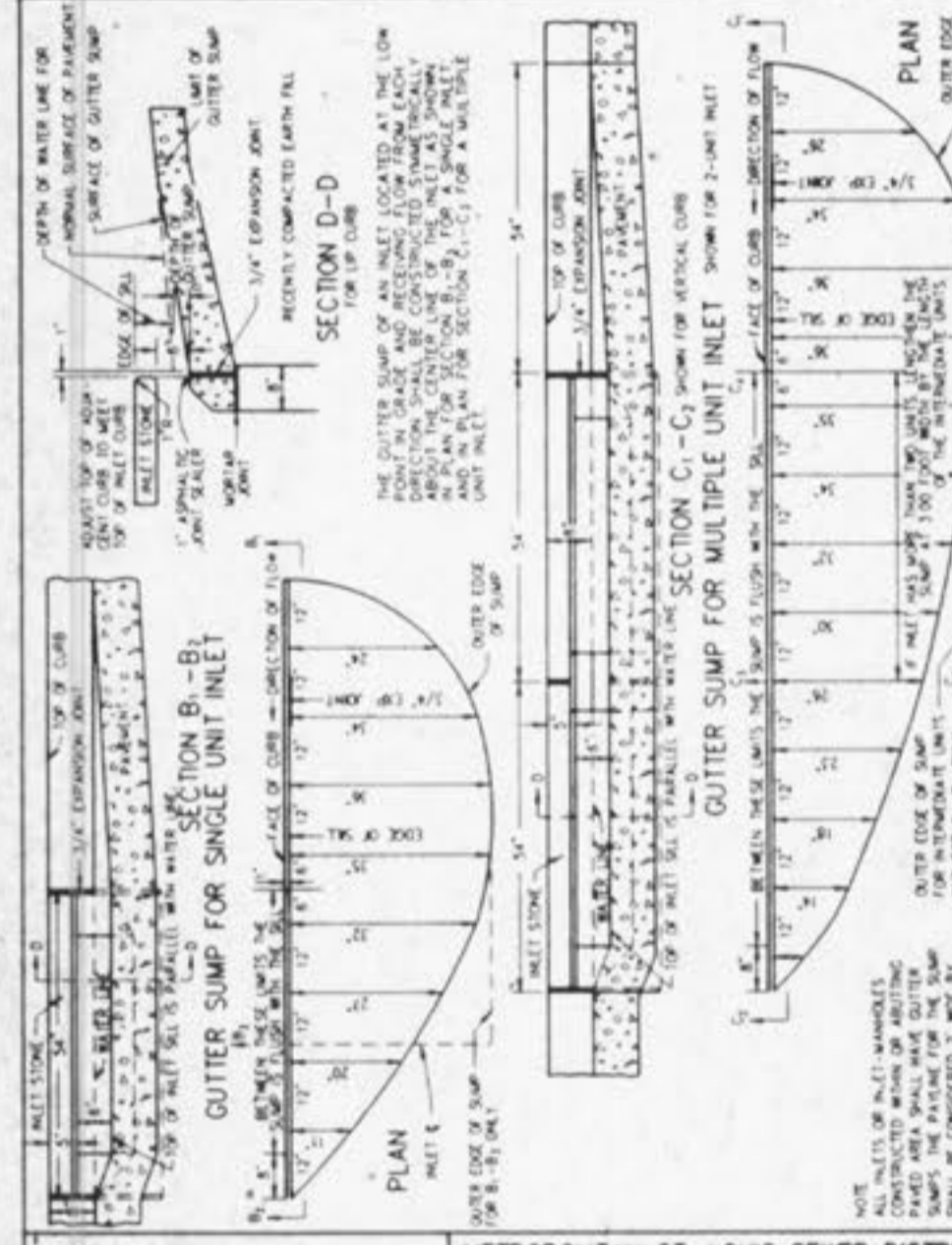
**LOCK LUG FOR TYPE 'T' LOCK TYPE MANHOLE COVER**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. J.L.G. 1992 SHEET 52



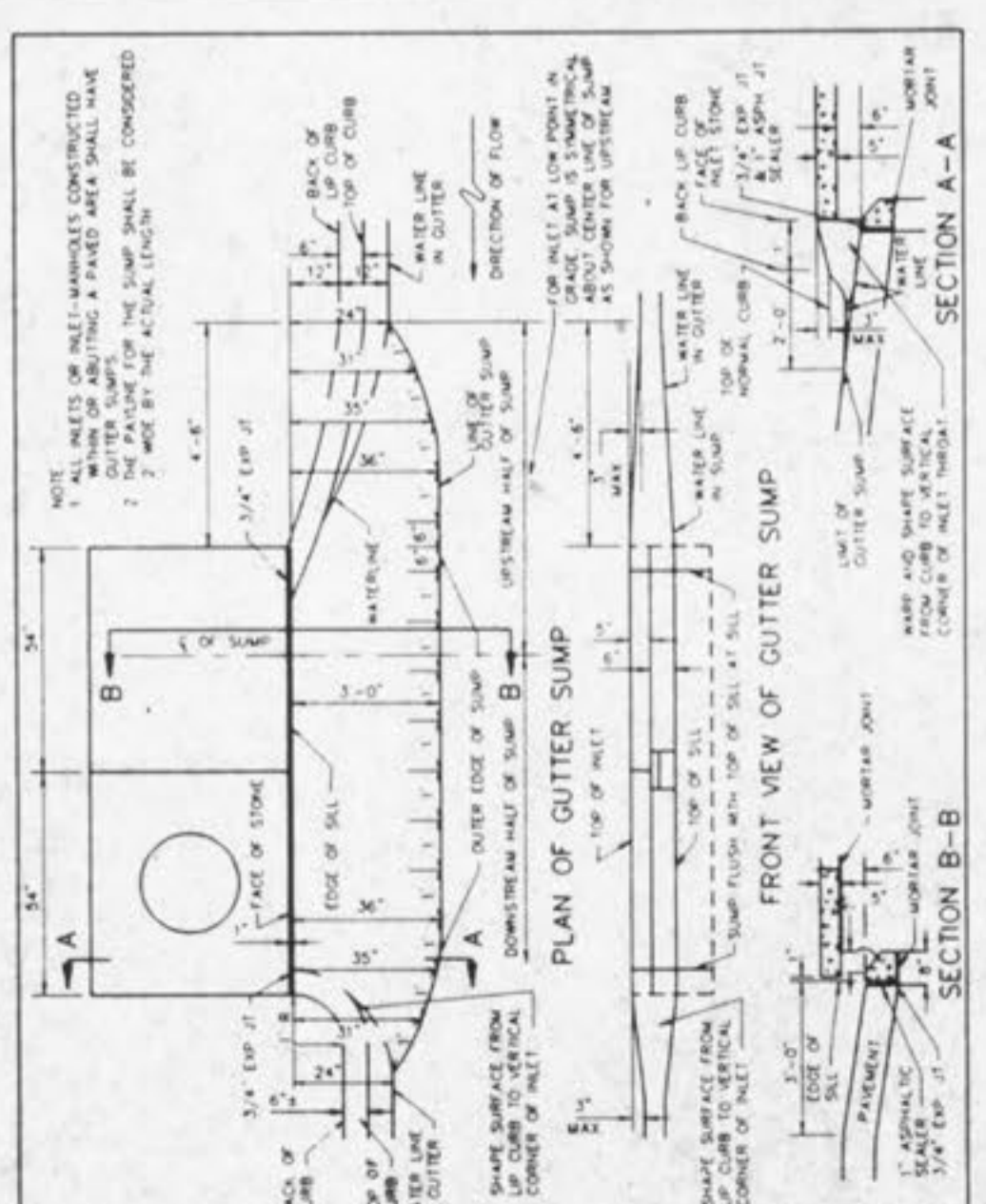
**PSI-B MANHOLE STEP INTO JOINT**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. W.S.H. 1992 SHEET 53



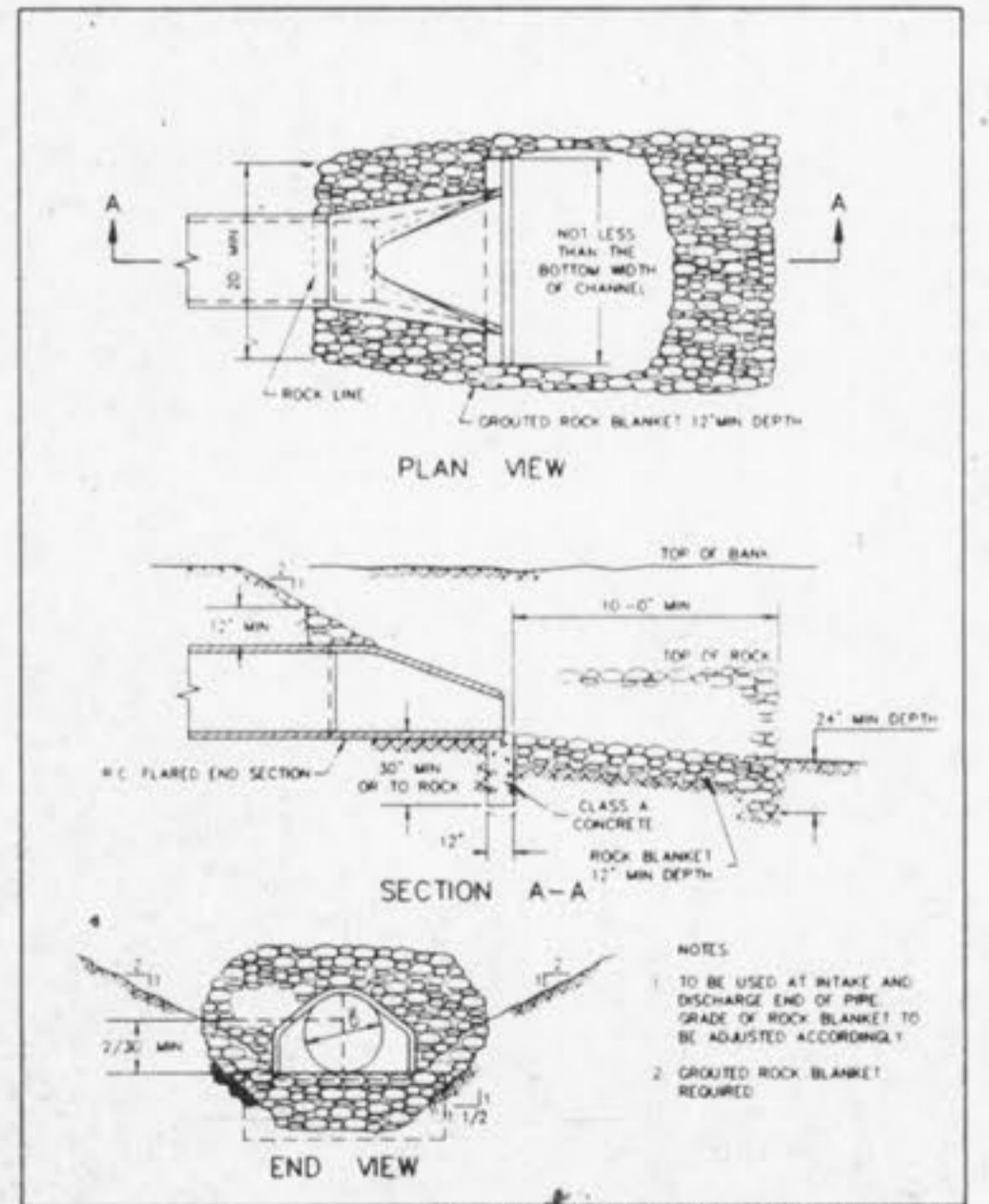
**MANHOLE STEP FOR PRECAST MANHOLE**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. D.A.B. 1992 SHEET 54



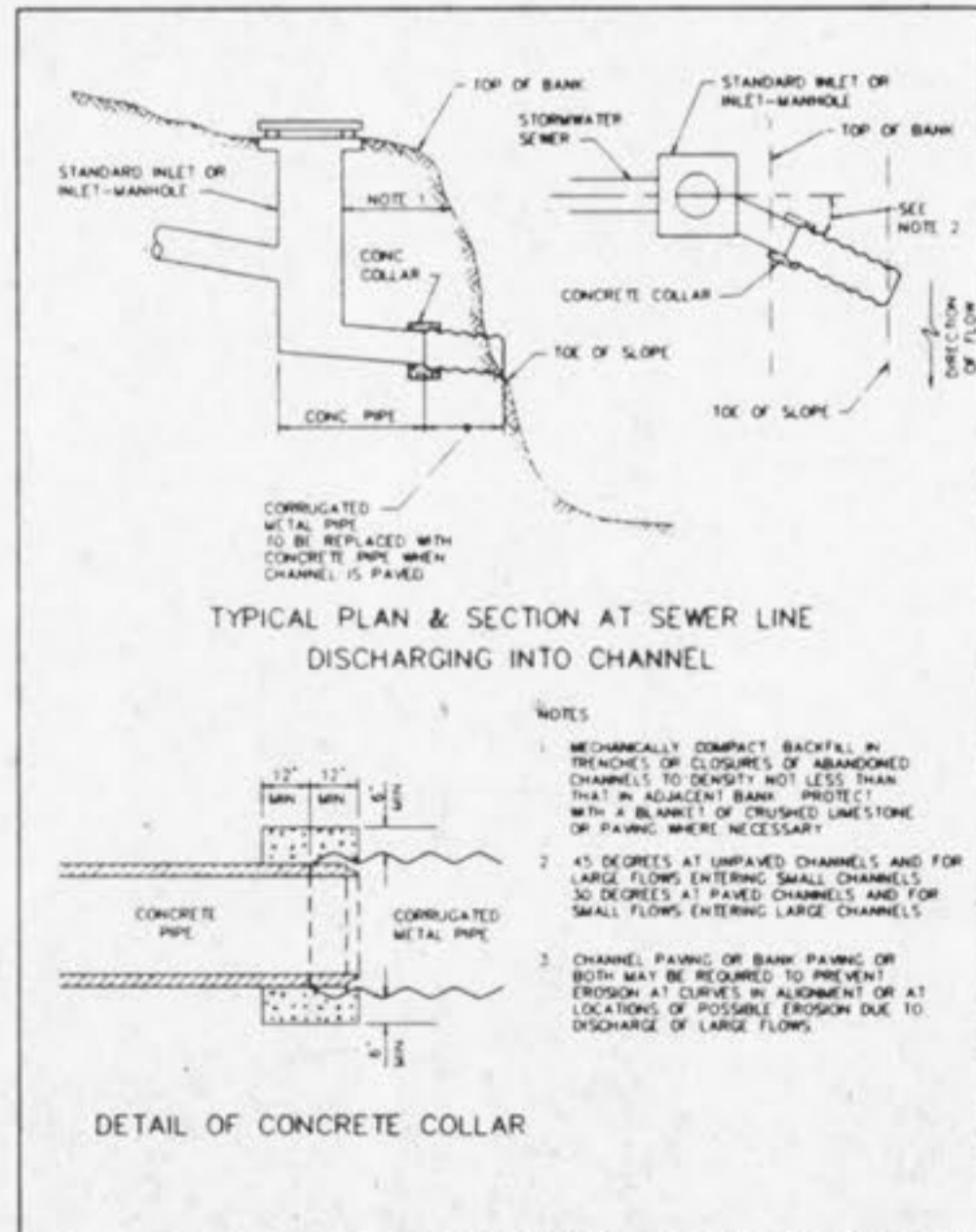
**GUTTER SUMPS FOR VERTICAL CURB**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. W.S.H. 1992 SHEET 55



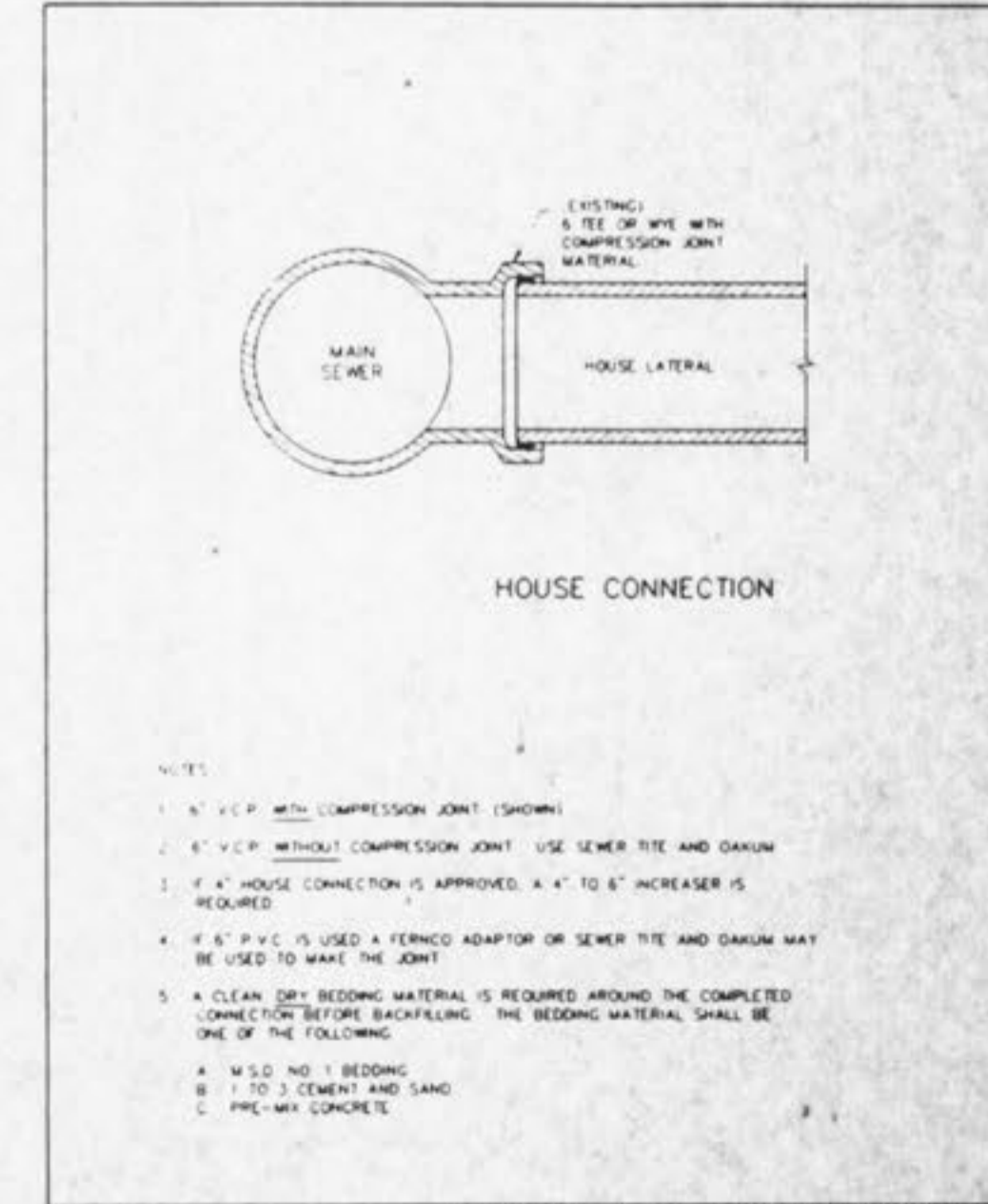
**GUTTER SUMP FOR LIP CURB**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. R.G.W. 1992 SHEET 56



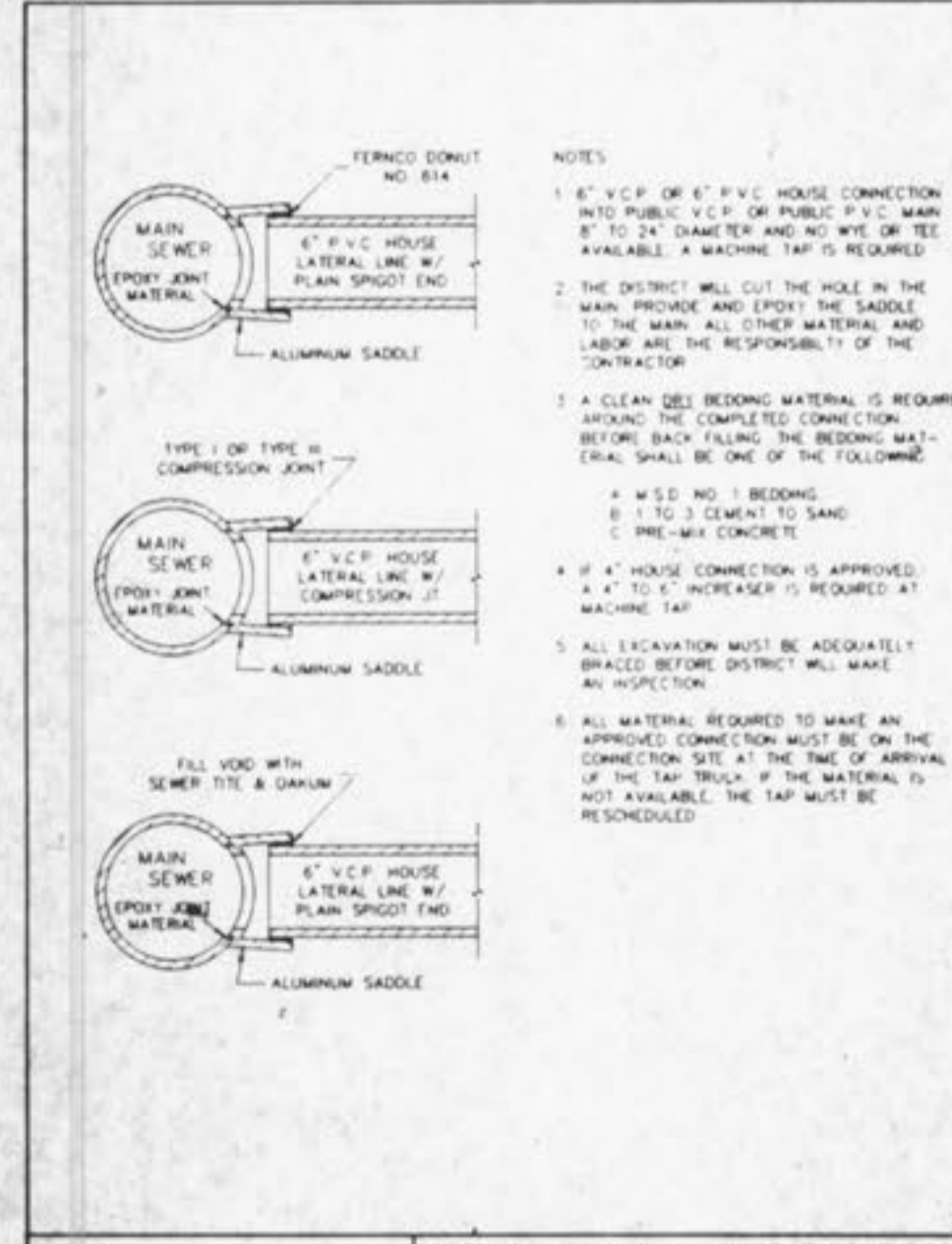
**FLARED END SECTION**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. W.S.H. 1992 SHEET 57



**TYPICAL PLAN & SECTION AT SEWER LINE DISCHARGING INTO CHANNEL**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. R.G.W. 1992 SHEET 58



**HOUSE CONNECTION TO EXISTING TEE OR WYE**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. D.A.B. 1992 SHEET 59



**MACHINE TAP**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. W.S.H. 1992 SHEET 60