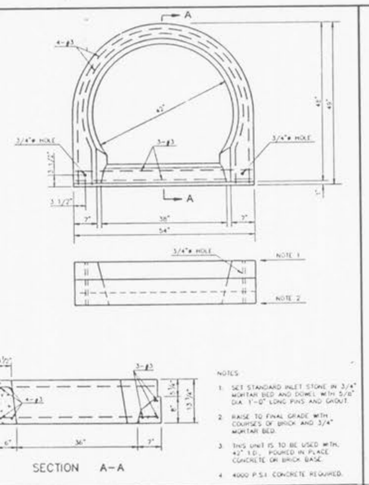
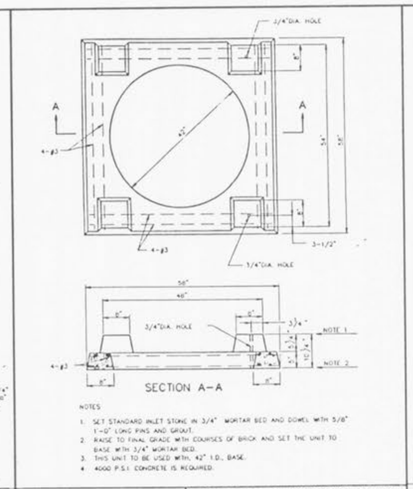


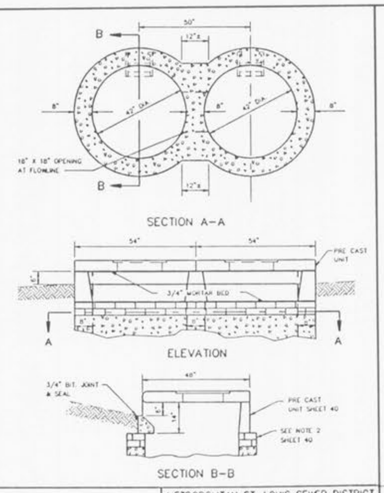
NOTES:
1. SET STANDARD INLET STONE IN 3/4" MORTAR BED AND DOWEL WITH 5/8" DIA. 1'-0" LONG PINS AND GROUT.
2. RAISE TO FINAL GRADE WITH COURSES OF BRICK AND 3/4" MORTAR BED.
3. THIS UNIT IS TO BE USED WITH 42" I.D., POURED IN PLACE CONCRETE OR BRICK BASE.
4. 4000 P.S.I. CONCRETE REQUIRED.

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

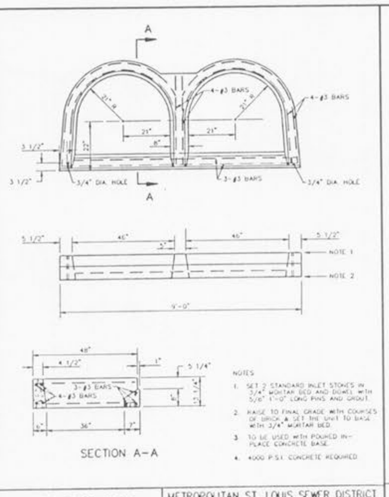


NOTES
1. SET STANDARD INLET STONE IN 3/4" MORTAR BED AND DOWEL WITH 5/8" 1'-0" LONG PINS AND GROUT.
2. RAISE TO FINAL GRADE WITH COURSES OF BRICK AND SET THE UNIT TO BASE WITH 3/4" MORTAR BED.
3. THIS UNIT TO BE USED WITH 42" I.D. BASE.
4. 4000 P.S.I. CONCRETE IS REQUIRED.

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

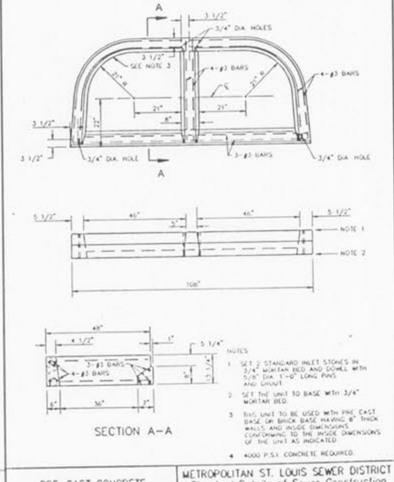


CONCRETE DOUBLE STREET INLET W/PRE CAST CONCRETE UNIT A	METROPOLITAN ST. LOUIS SEWER DISTRICT *Standard Details of Sewer Construction*		
	Dr. R.G.W. Ch. J.C.K.	1992	SHEET 39



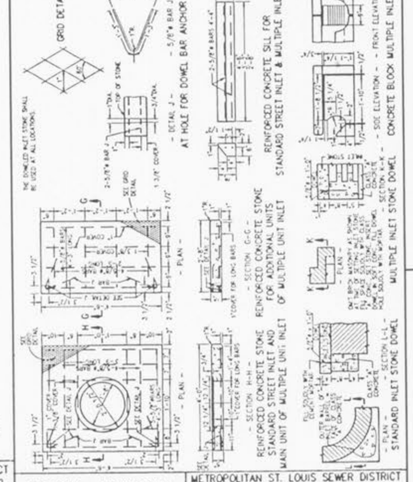
NOTES
1. SET 7 STANDARD INLET STONES IN 3/4" MORTAR BED AND DOWEL WITH 5/8" 1'-0" LONG PINS AND GROUT.
2. RAISE TO FINAL GRADE WITH COURSES OF BRICK & SET THE UNIT TO BASE WITH 3/4" MORTAR BED.
3. TO BE USED WITH POURED IN-PLACE CONCRETE BASE.
4. 4000 P.S.I. CONCRETE REQUIRED.

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



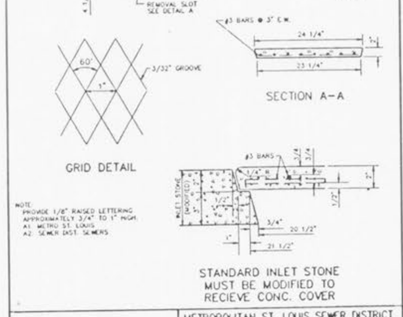
NOTES
1. SET 2 STANDARD INLET STONES IN 3/4" MORTAR BED AND DOWEL WITH 5/8" DIA. 1'-0" LONG PINS AND GROUT.
2. SET THE UNIT TO BASE WITH 3/4" MORTAR BED.
3. THIS UNIT TO BE USED WITH PRE CAST BASE OR BRICK BASE HAVING 8" THICK WALLS AND INSIDE DIMENSIONS CONFORMING TO THE INSIDE DIMENSIONS OF THE UNIT AS INDICATED.
4. 4000 P.S.I. CONCRETE REQUIRED.

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

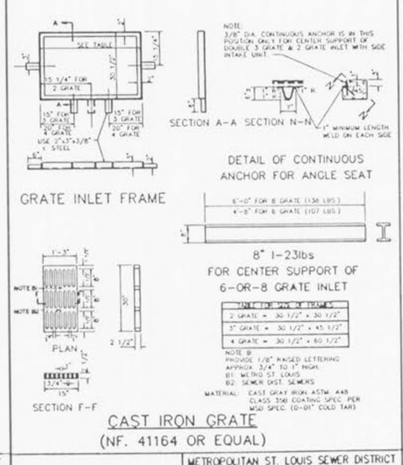


STANDARD - INLET STONES, BLOCKS & DESIGN DETAILS	METROPOLITAN ST. LOUIS SEWER DISTRICT *Standard Details of Sewer Construction*		
	Dr. W.S.H. Ch. J.C.K.	1992	SHEET 42

CONSTRUCTION DETAILS



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



NOTE
3/8" DIA. CONTINUOUS ANCHOR IS IN THIS POSITION ONLY FOR CENTER SUPPORT OF DOUBLE 3 GRATE & 2 GRATE INLET WITH SIDE INTAKE UNIT.

DETAIL OF CONTINUOUS ANCHOR FOR ANGLE SEAT

6'-0" FOR B GRATE (138 LBS.)
4'-8" FOR 6 GRATE (107 LBS.)

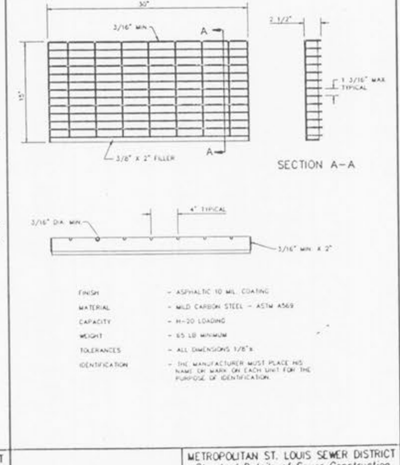
8" I-23lbs
FOR CENTER SUPPORT OF 6-OR-8 GRATE INLET

THICKNESS OF GRATE	8"
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"

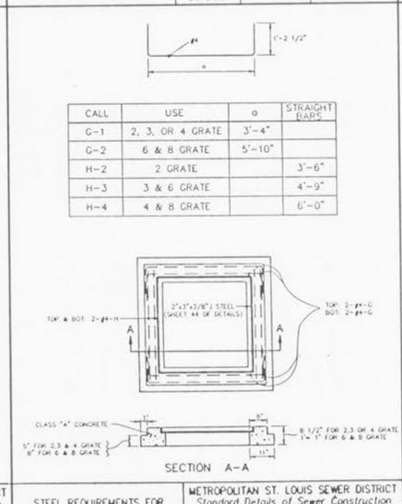
NOTE B:
PROVIDE 1/8" RAISED LETTERING APPROX. 3/4" TO 1" HIGH.
B1: METRO ST. LOUIS
B2: SEWER DIST. SEWERS

MATERIAL: CAST GRAY IRON ASTM A48 CLASS 35B COATING SPEC. PER MSD SPEC. (0-01" COLD TAR)

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

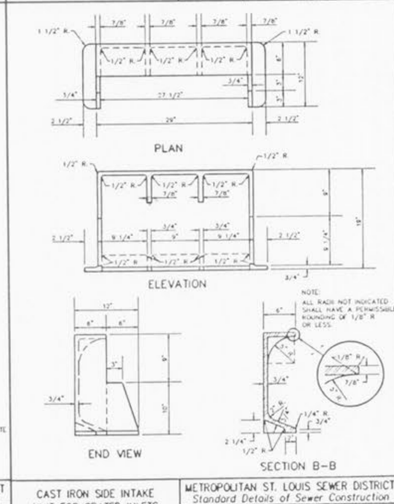


DETAIL OF STEEL GRATE	METROPOLITAN ST. LOUIS SEWER DISTRICT *Standard Details of Sewer Construction*		
	Dr. R.G.W. Ch. J.C.K.	1992	SHEET 45

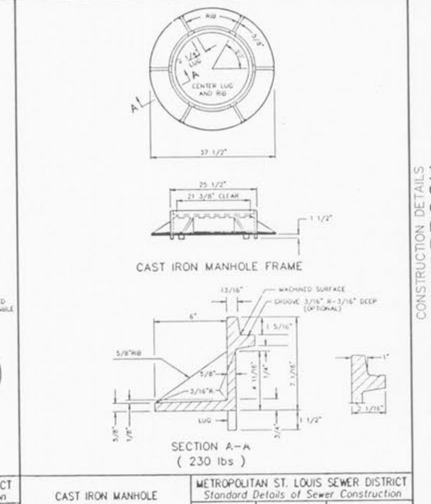


CALL	USE	a	STRAIGHT BARS
G-1	2, 3, OR 4 GRATE	3'-4"	
G-2	6 & 8 GRATE	5'-10"	
H-2	2 GRATE		3'-6"
H-3	3 & 6 GRATE		4'-9"
H-4	4 & 8 GRATE		6'-0"

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

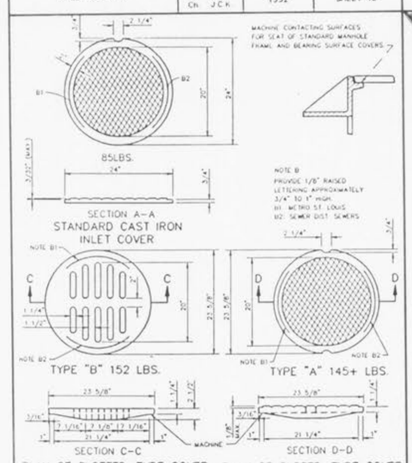


CAST IRON SIDE INTAKE UNIT FOR GRATED INLETS 249 LBS.	METROPOLITAN ST. LOUIS SEWER DISTRICT *Standard Details of Sewer Construction*		
	Dr. R.G.W. Ch. J.C.K.	1992	SHEET 47

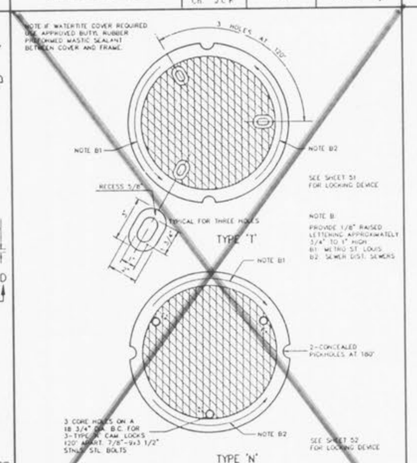


CAST IRON MANHOLE FRAME	METROPOLITAN ST. LOUIS SEWER DISTRICT *Standard Details of Sewer Construction*		
	Dr. D.A.B. Ch. J.C.K.	1992	SHEET 48

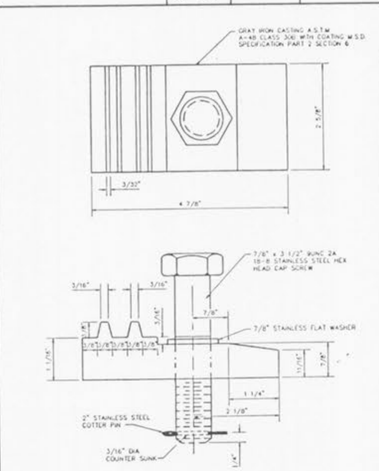
CONSTRUCTION DETAILS
ANNABROOK
PHASE TWO
NOVEMBER 16, 1998
96-8248



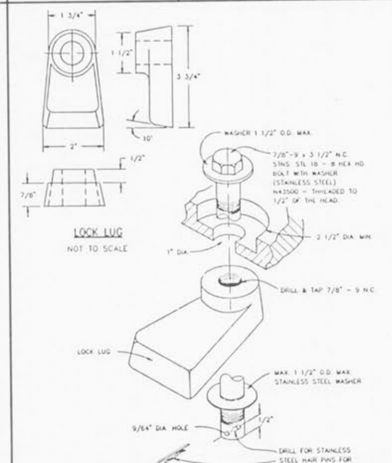
CAST IRON COVERS MANHOLES AND INLETS	METROPOLITAN ST. LOUIS SEWER DISTRICT *Standard Details of Sewer Construction*		
	Dr. R.G.W. Ch. J.C.K.	1992	SHEET 49



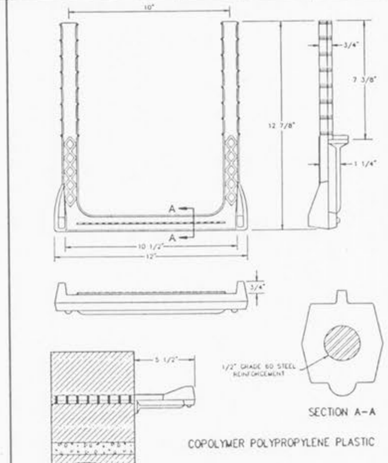
CAST IRON MANHOLE COVERS (LOCK TYPE)	METROPOLITAN ST. LOUIS SEWER DISTRICT *Standard Details of Sewer Construction*		
	Dr. W.S.H. Ch. J.C.K.	1992	SHEET 50



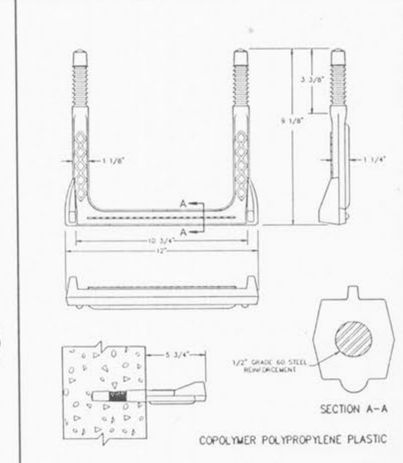
LOCKING DEVICE FOR TYPE "T" LOCK TYPE MANHOLE COVER	METROPOLITAN ST. LOUIS SEWER DISTRICT *Standard Details of Sewer Construction*		
	Dr. R.G.W. Ch. J.C.K.	1992	SHEET 51



LOCKING DEVICE FOR TYPE "N" LOCK TYPE MANHOLE COVER	METROPOLITAN ST. LOUIS SEWER DISTRICT *Standard Details of Sewer Construction*		
	Dr. J.L.G. Ch. J.C.K.	1992	SHEET 52



PS1-B MANHOLE STEP INTO JOINT	METROPOLITAN ST. LOUIS SEWER DISTRICT *Standard Details of Sewer Construction*		
	Dr. W.S.H. Ch. J.C.K.	1992	SHEET 53



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

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