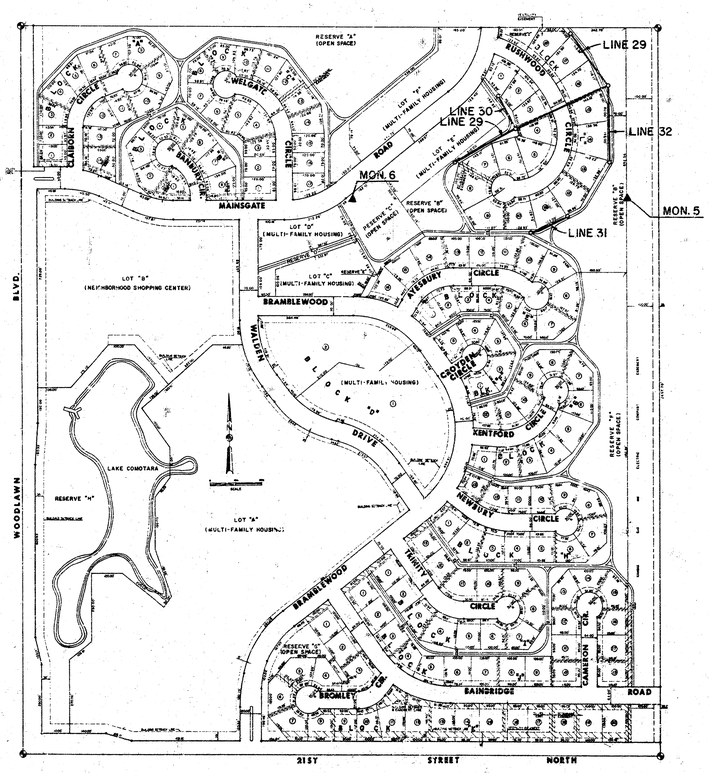
LATERAL 4, MAIN 6, SS NO. 23
PROJECT NO. DBKL 574072

CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER

NOTES: Installation of Service Line Stubs and construction of fill around Manholes above existing ground shall be incidental to Manhole Construction.

Sand backfill in place including cost of sand, placing, jetting and vibrating shall be included in the price bid for Lin. Ft. of sewer.

The cost of clearing right of way to facilitate construction of sanitary sewers shall be incidental to the project.



INDEX TO DRAWINGS

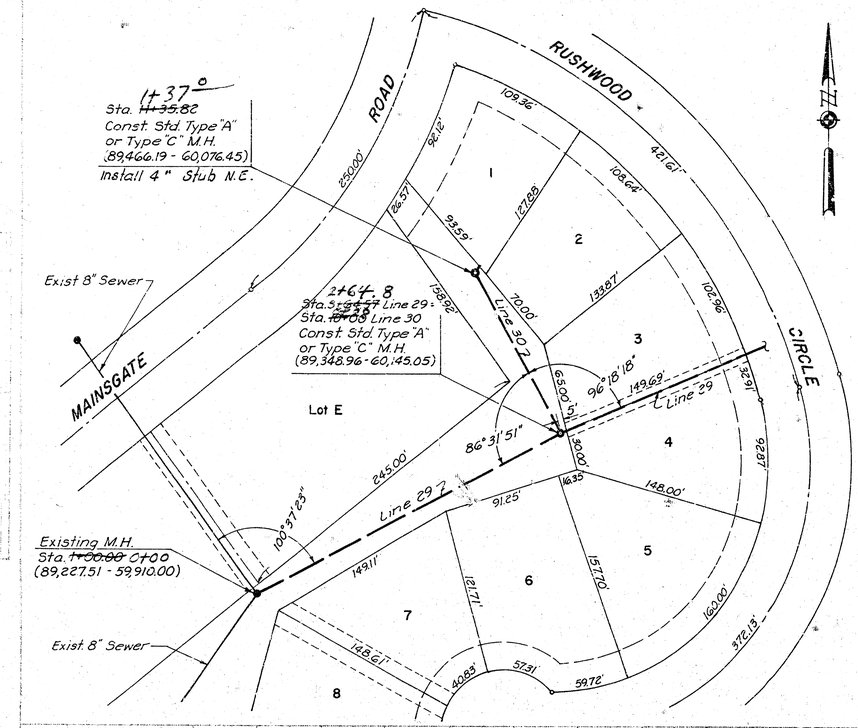
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LINE 29, 30, 31, 32
3-4	DETAILS OF SEWER APPURTENANCES

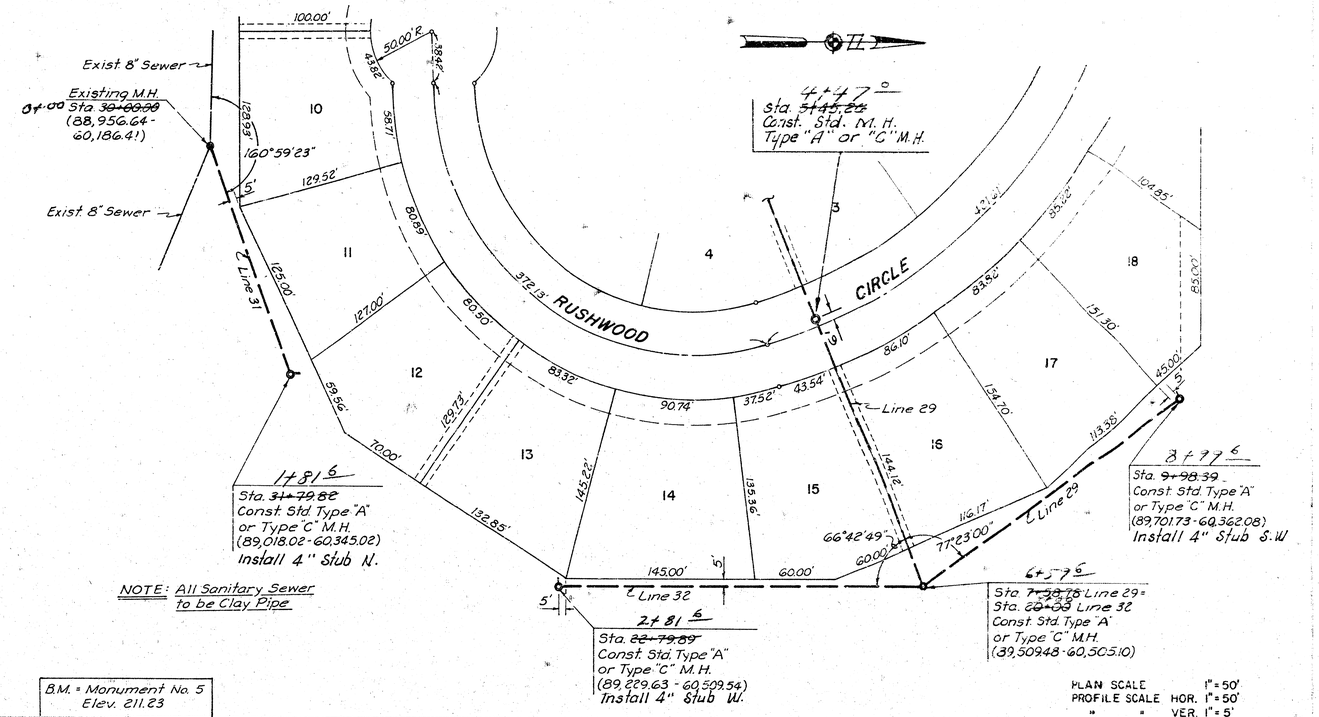
MONUMENT NO.	COORDINATES		ELEVATION
	NORTH	EAST	
5	389,060.76	2,360,628.00	211.23
6	389,079.36	2,359,489.27	199.63

MONUMENTS SHOWN THUS: ▲ MON. NO.

VAN DOREN-HAZARD-STALLINGS
ENGINEERS - ARCHITECTS · · WICHITA, KANSAS

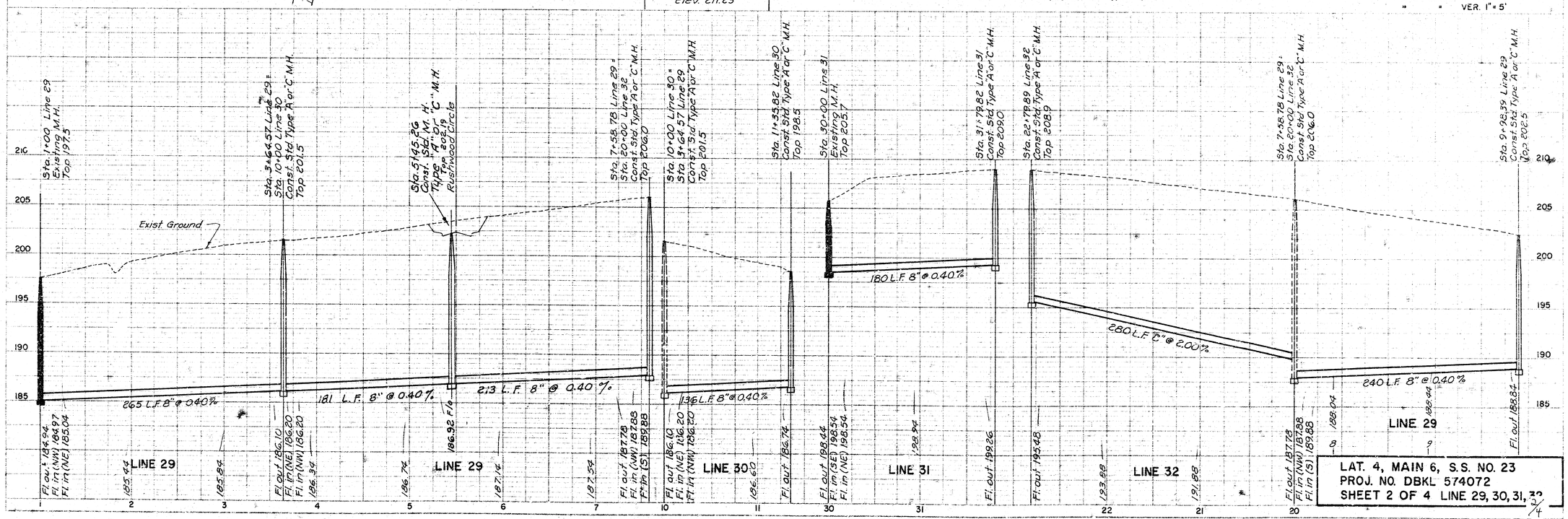
SHEET 1 OF 4





PLAN SCALE 1" = 50'
PROFILE SCALE HOR. 1" = 50'
" " VER. 1" = 5'

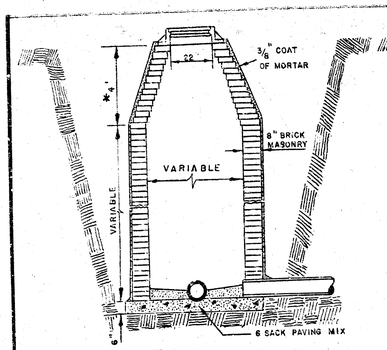
B.M. = Monument No. 5
Elev. 211.23



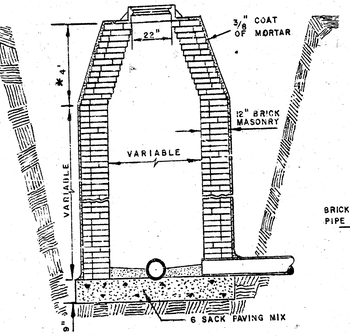
FLATT PLAN PROFILE & P R STANDARD

LAT. 4, MAIN 6, S.S. NO. 23
PROJ. NO. DBKL 574072
SHEET 2 OF 4 LINE 29, 30, 31, 32

2/4

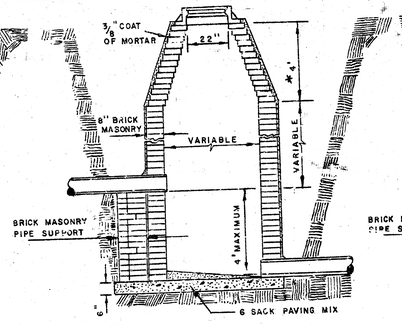


STANDARD MANHOLE
TYPE "A"

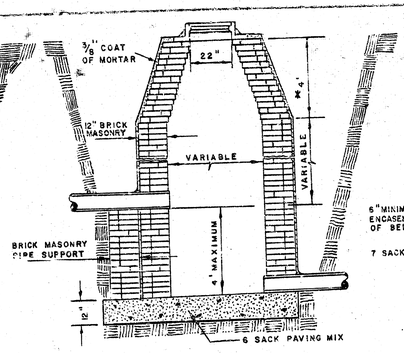


STANDARD MANHOLE
TYPE "B"

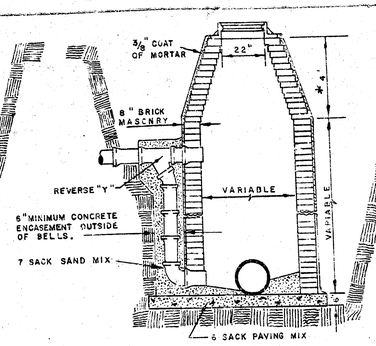
* DRAW = 6' ON 5' DIA. M.H.



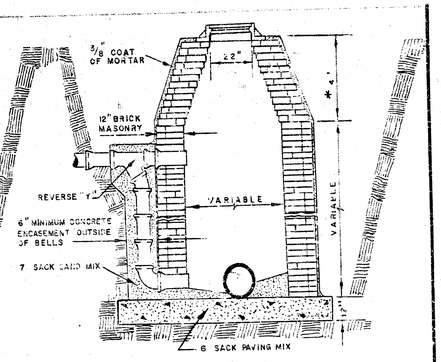
DROP MANHOLE
TYPE "A"



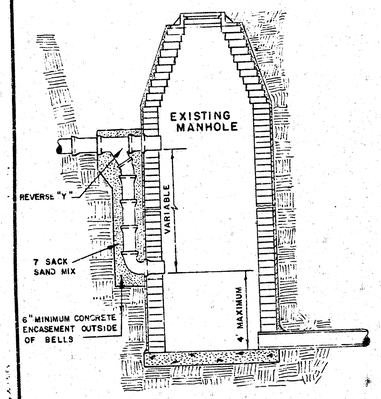
DROP MANHOLE
TYPE "B"



OUTSIDE DROP MANHOLE
TYPE "A"

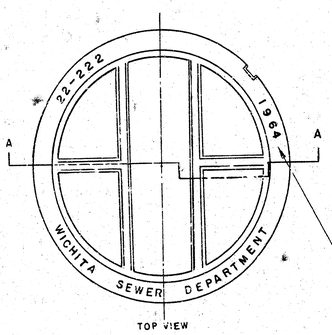


OUTSIDE DROP MANHOLE
TYPE "B"



DETAIL OF DROP STACK

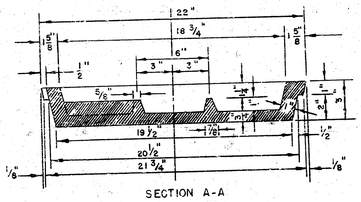
FOR EXISTING MANHOLES IN GROUND WATER



TOP VIEW

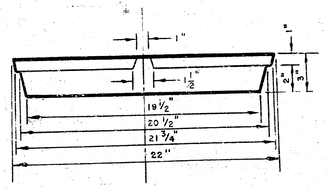
MANHOLE COVER

WEIGHT 110 lbs.



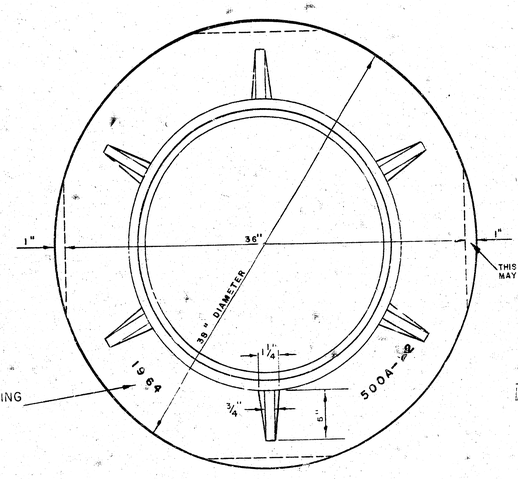
SECTION A-A

MANHOLE COVER



SIDE VIEW

MANHOLE COVER

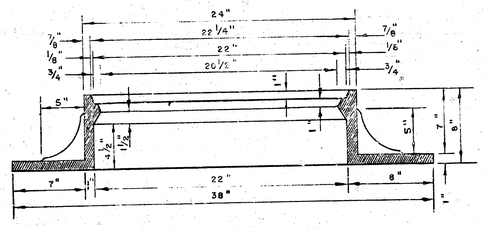


YEAR CASTING IS MADE

TOP VIEW

MANHOLE RING

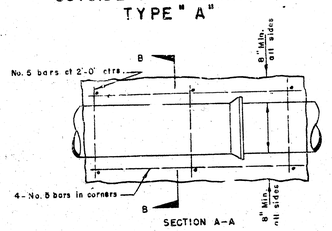
WEIGHT 355 lbs.

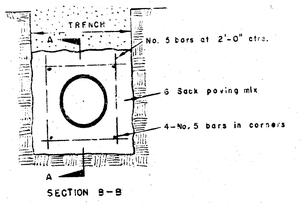


SECTION

MANHOLE RING

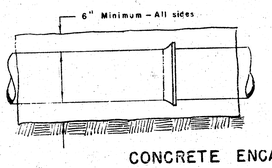
OUTSIDE CIRCUMFERENCE OF COVER AND THE INNER FACE AND SEAT OF RING TO BE MACHINE FIT.

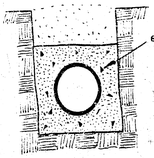




REINFORCED CONCRETE ENCASEMENT

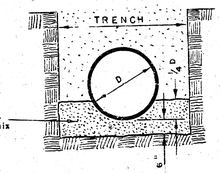
FOR STRENGTH



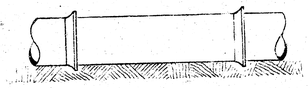


CONCRETE ENCASEMENT

FOR COVER

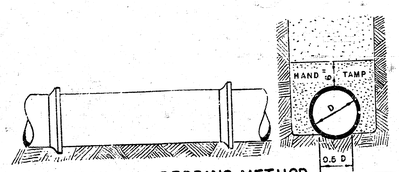


DETAIL OF CONCRETE CRADLE



ORDINARY BEDDING METHOD

FOR CLAY PIPE



ORDINARY BEDDING METHOD

FOR REINFORCED CONCRETE PIPE

MANHOLES

THE CONCRETE USED FOR MORTAR IN MANHOLES SHALL CONTAIN 6 SACKS OF CEMENT PER CUBIC YARD.

STANDARD MANHOLES AND DROP MANHOLES, REGARDLESS OF DIAMETER, SHALL BE BID AT ONE PRICE AS STANDARD MANHOLES.

SINGLE OR DOUBLE OUTSIDE DROP MANHOLES SHALL BE BID AT ONE PRICE AS OUTSIDE DROP MANHOLES.

ALL MANHOLES WITH PIPES LARGER THAN 24" SHALL BE 5' DIAMETER UNLESS OTHERWISE SPECIFIED ON PLAN, ALL M.H.'S WITH PIPES 24" & SMALLER SHALL BE 4' DIA.

DETAILS OF

SEWER APPURTENANCES

ADOPTED AS STANDARD DESIGN

BY

ENGINEERING DIVISION

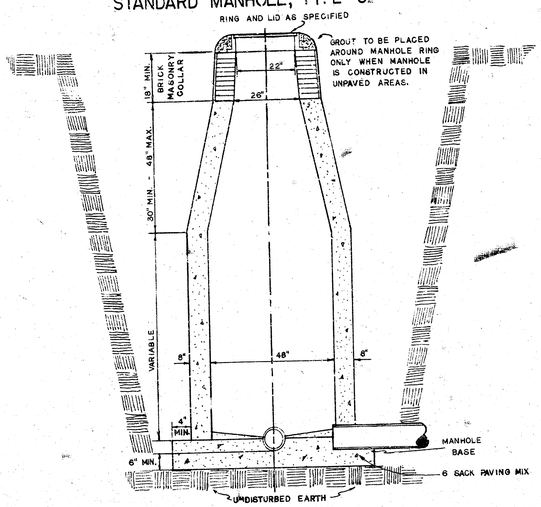
CITY OF WICHITA, KANSAS

R. W. LINN — CITY ENGINEER

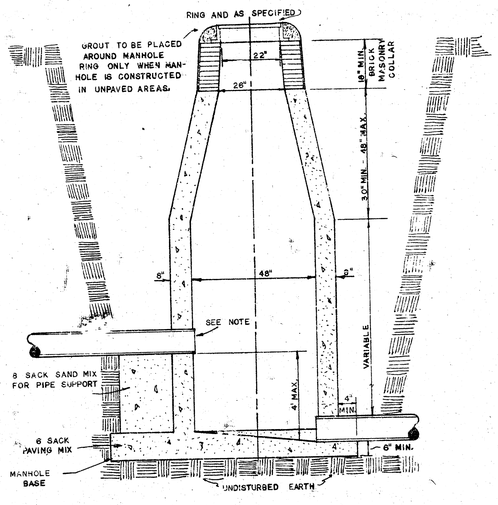
1964

3/4

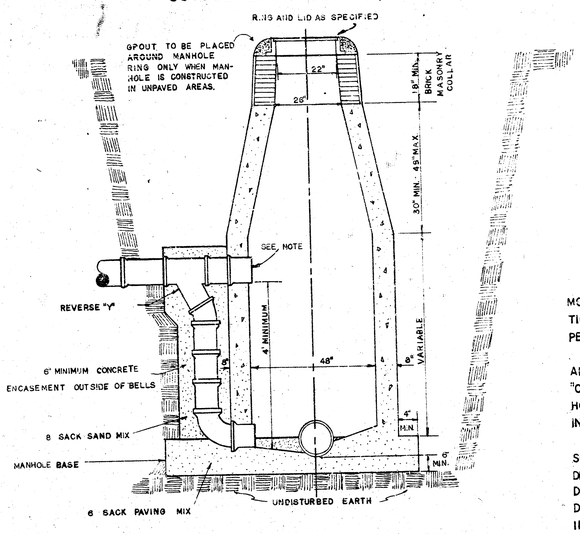
STANDARD MANHOLE, TYPE "C"



DROP MANHOLE, TYPE "C"



OUTSIDE DROP MANHOLE, TYPE "C"



GENERAL NOTES

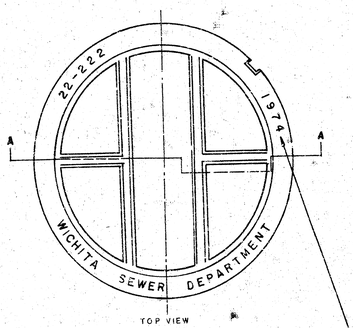
MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.

STANDARD MANHOLES TYPE "C" AND STANDARD DROP MANHOLES TYPE "C" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED.

OUTSIDE DROP MANHOLES TYPE "C" SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4FT. UNLESS INDICATED OTHERWISE. MANHOLES WITH PIPE SIZES LARGER THAN 24" SHALL BE 5FT. DIAMETER.

THE FLOORS OF ALL MANHOLES SHALL BE SHAPED TO INCREASE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.

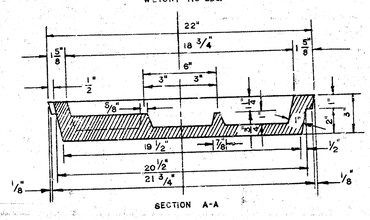
CAST IN PLACE CIRCULAR CONCRETE MANHOLES ARE TO BE CONSTRUCTED ONLY ON SEWERS NOT SUBJECT TO DETERIATION OF CONCRETE DUE TO FORMATION OF HYDROGEN SULFIDE GAS AND IN LOCATIONS WHERE IT IS OBVIOUS THAT ANY ADJUSTMENT OF THE MANHOLE TOP ELEVATION WHICH MAY BE NECESSARY WILL NOT REQUIRE MODIFICATION OF THE CONCRETE BARREL.



TOP VIEW

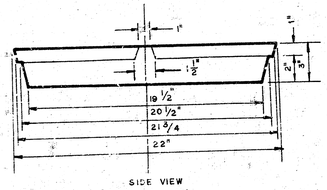
MANHOLE COVER

WEIGHT 110 LBS.



SECTION A-A

MANHOLE COVER

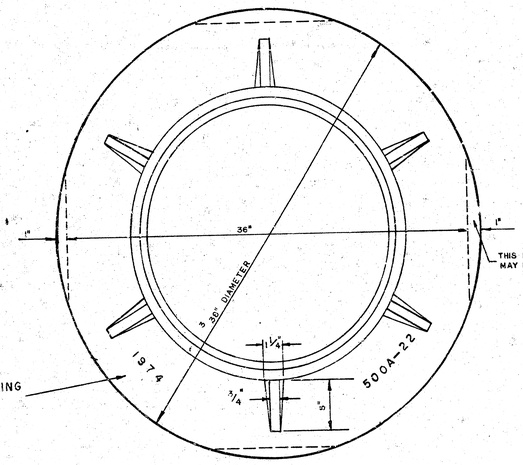


SIDE VIEW

MANHOLE COVER

YEAR CASTING IS MADE

OUTSIDE CIRCUMFERENCE OF COVER AND THE INNER FACE AND SEAT OF RING TO BE MACHINE FIT.

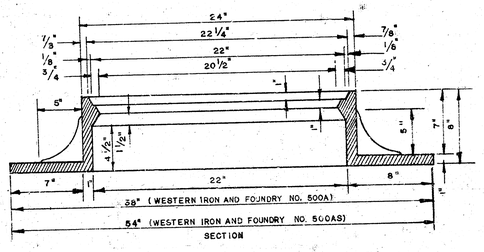


TOP VIEW

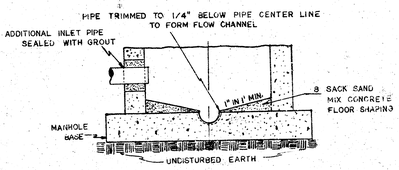
MANHOLE RING

WEIGHT 325 LBS. RING NO. 500A

WEIGHT 800 LBS. RING NO. 500AS



MANHOLE RING



SECTIONAL ELEVATION—INVERT

NOTE: OPENING FOR INLET PIPE CUT IN MANHOLE WALL AND PIPE GROUTED IN PLACE WITH NON-SHRINKING GROUT. EXTERIOR OF COMPLETED CONNECTION TO BE SEALED WITH APPROVED COATING.

DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
1974