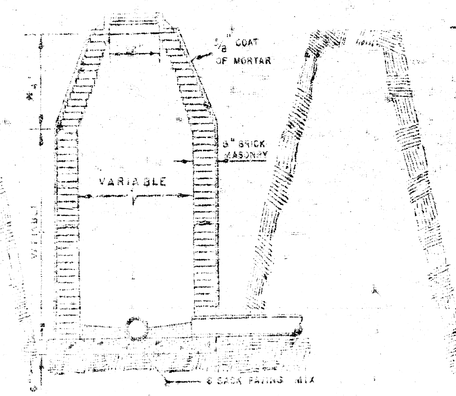
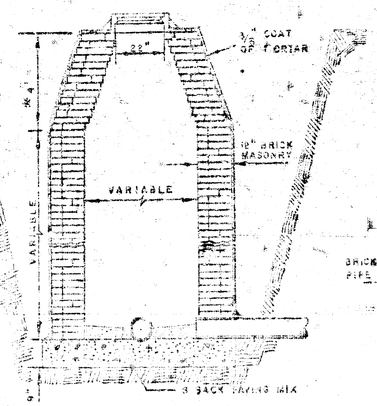
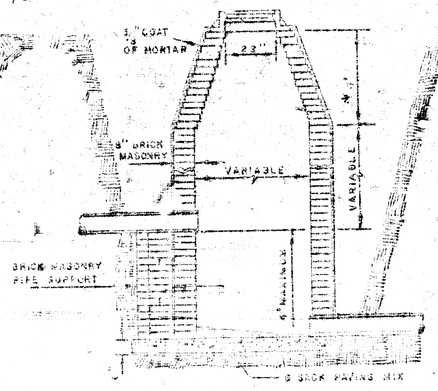


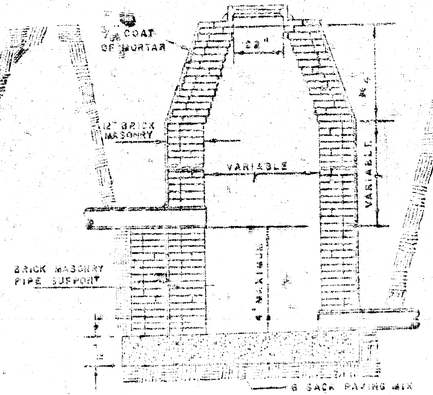
STANDARD MANHOLE
TYPE "A"



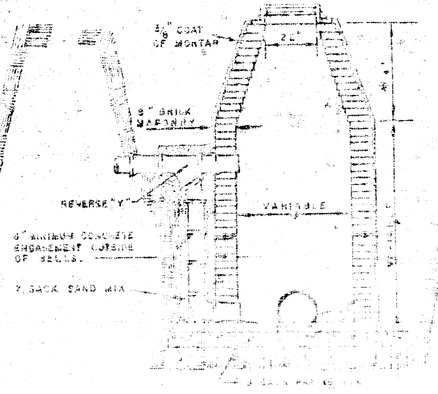
STANDARD MANHOLE
TYPE "B"



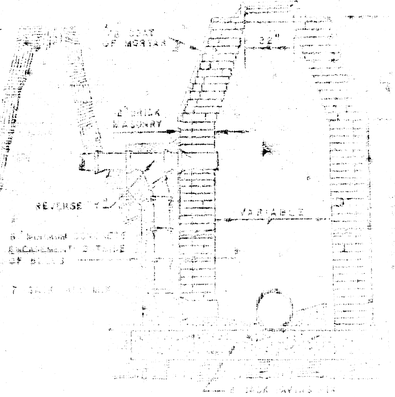
DROP MANHOLE
TYPE "A"



DROP MANHOLE
TYPE "B"

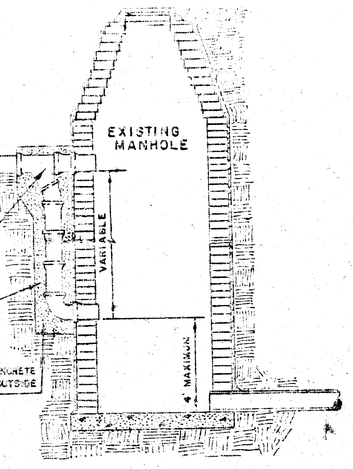


OUTSIDE DROP MANHOLE
TYPE "A"

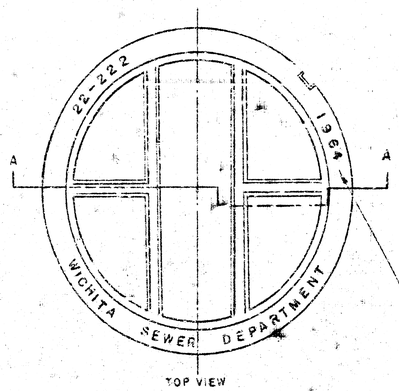


OUTSIDE DROP MANHOLE
TYPE "B"

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

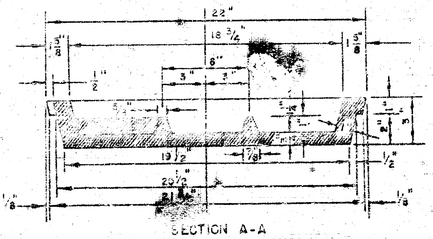


DETAIL OF DROP STACK
FOR EXISTING MANHOLES IN GROUND WATER



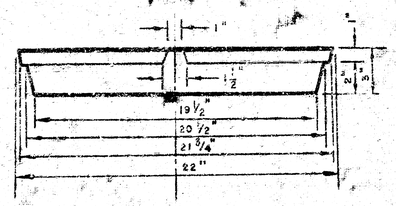
TOP VIEW

MANHOLE COVER
WEIGHT 110 lbs.

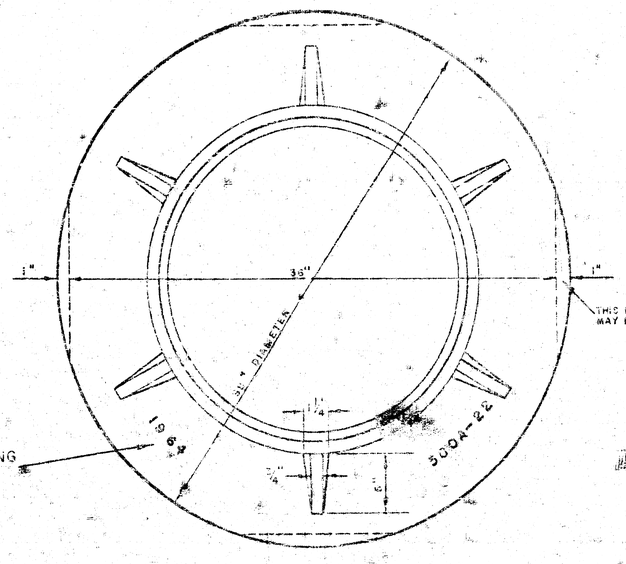


SECTION A-A

MANHOLE COVER



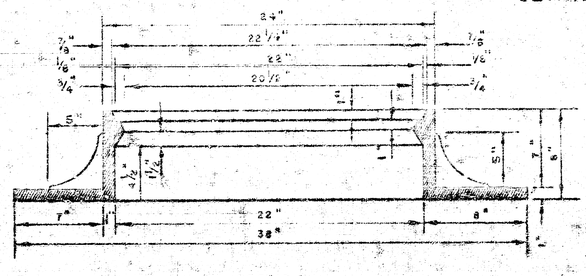
SIDE VIEW



YEAR CASTING IS MADE

TOP VIEW

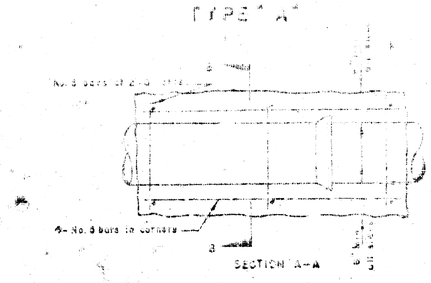
MANHOLE RING
WEIGHT 565 lbs.



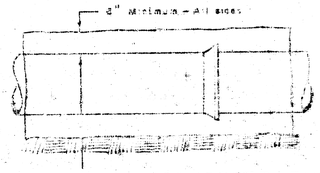
SECTION

MANHOLE RING

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

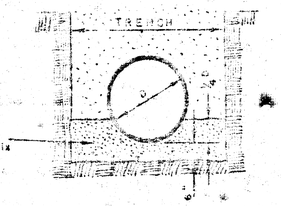


REINFORCED CONCRETE ENCASEMENT
FOR STRENGTH

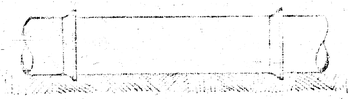




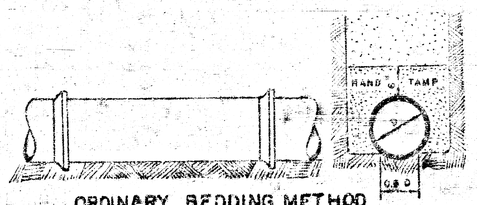
CONCRETE ENCASEMENT
FOR COVER



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 8 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.

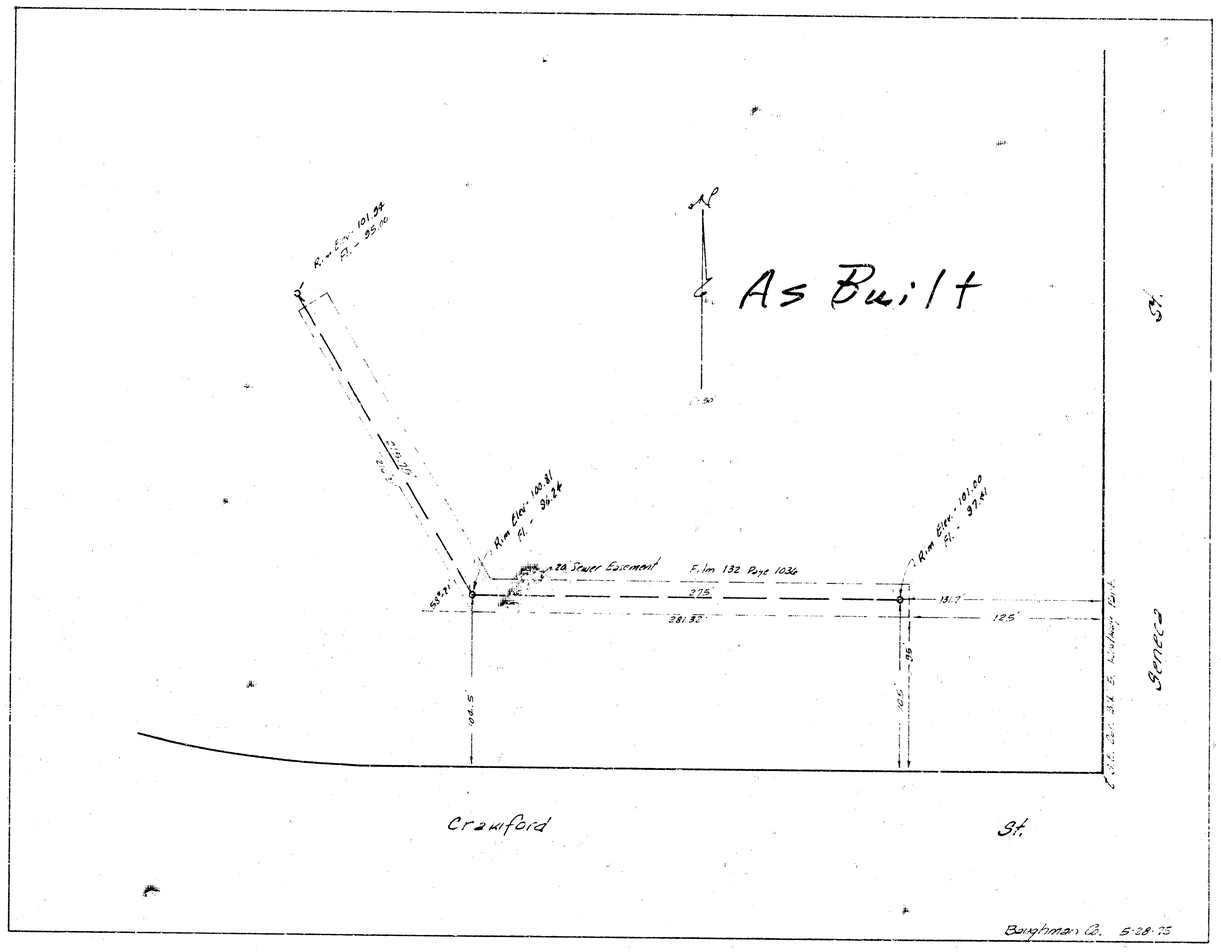
ALL MANHOLES WITH PIPES LARGER THAN 24" SHALL BE 5' DIAMETER UNLESS OTHERWISE SPECIFIED ON PLAN. ALL M.H.'S WITH PIPES 24" & SMALLER SHALL BE 4' DIA.

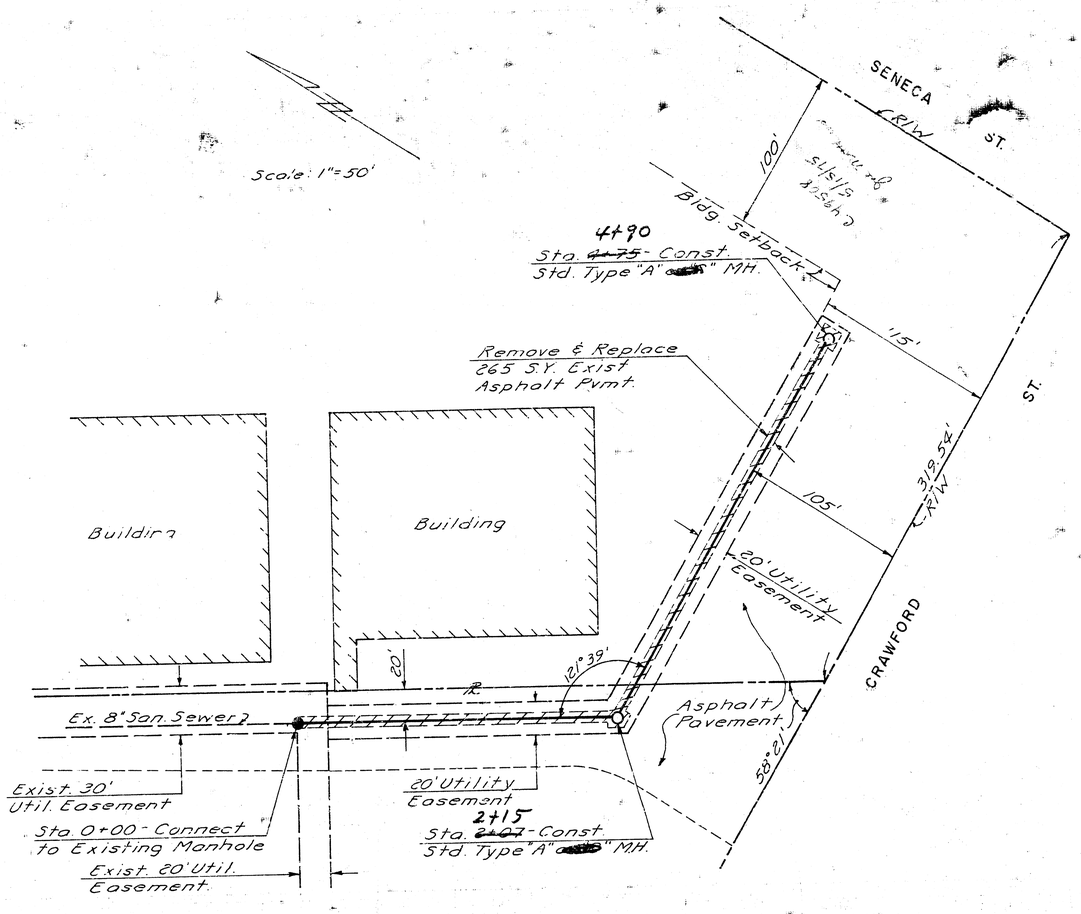
WESTWAY SHOPPING CENTER

DETAILS OF

SEWER APPURTENANCES

ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
1964 SH-3-05


As Built
Rim Elev. 101.94
El. 95.00
2'-0" Sewer Easement
F. Inv 132 Pipe 1034
Rim Elev. 100.81
El. 94.24
Rim Elev. 101.00
El. 97.61
60°-21'
2'-0"
2'-10.20"
27.5'
38.33'
18.7'
12.5'
10.5'
9.6'
94.5'
Crawford
St.
Seneca
Baughman Co. 5-28-75



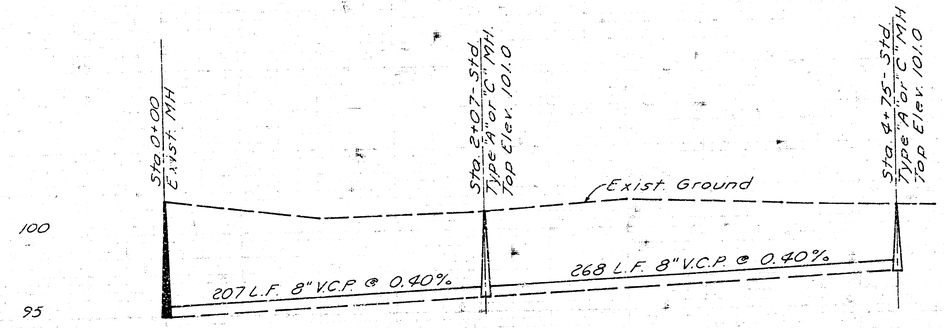
B.M. - Rim of Exist. MH
Sta. 0+00 - Elev. 101.99

2-26-75

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers D. E. S.
Storm Sewers
Driveway Approaches

NOTE TO CONTRACTOR

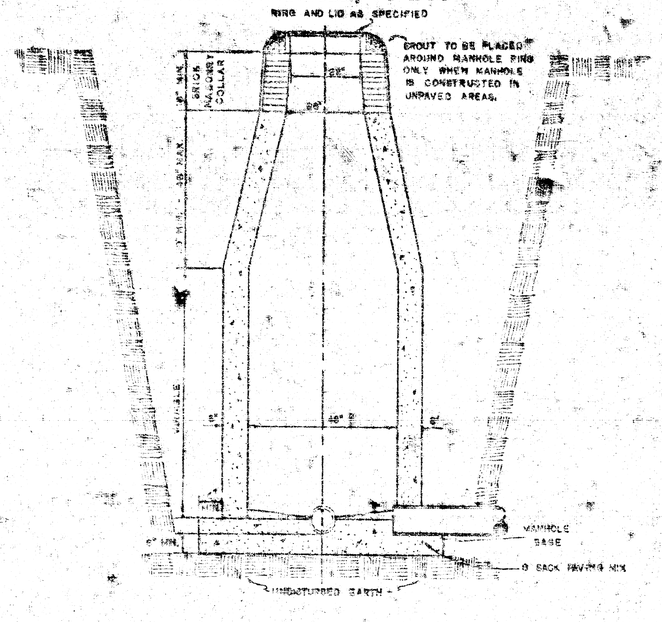
This project is to be constructed under the supervision of the CITY ENGINEER and conforms to the Standard Specifications of the CITY OF WICHITA. The CONTRACTOR shall notify the City of Wichita for all Construction Engineering and inspection.



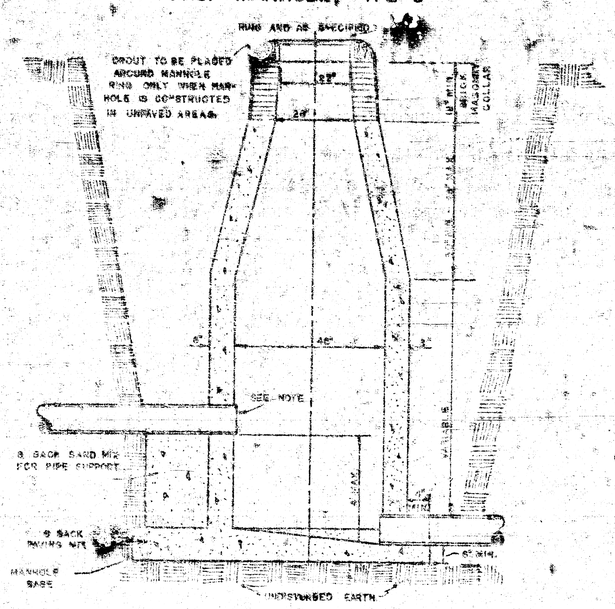
WESTWAY SHOPPING CENTER

SH. 1 OF 3

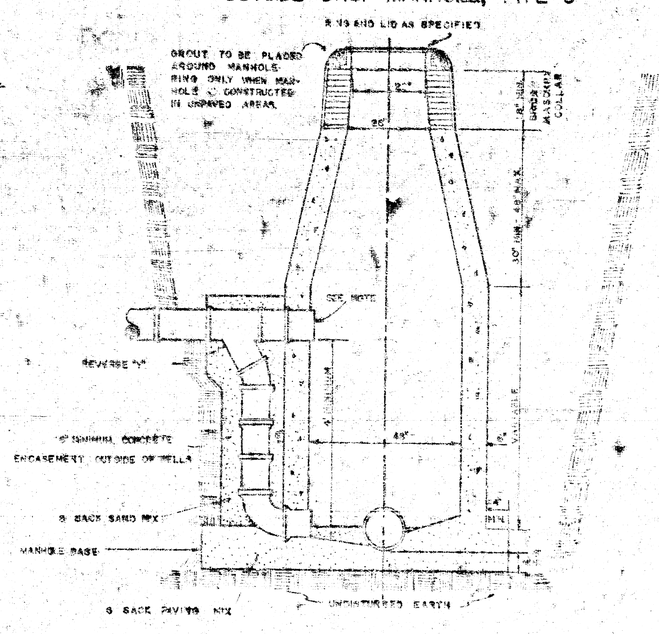
STANDARD MANHOLE, TYPE "C"

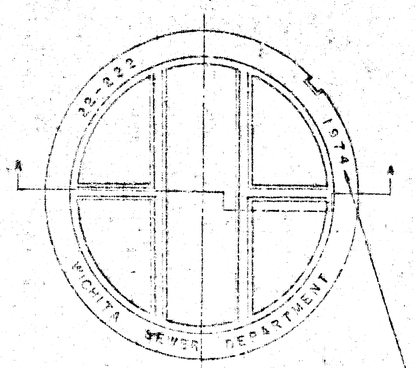


DROP MANHOLE, TYPE "C"



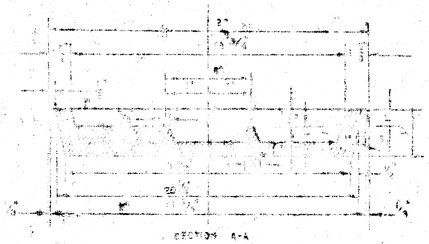
OUTSIDE DROP MANHOLE, TYPE "C"



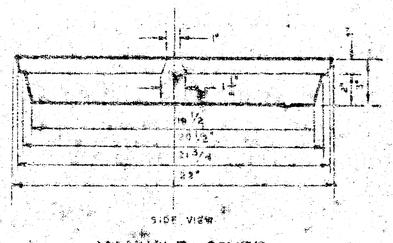


MANHOLE COVER

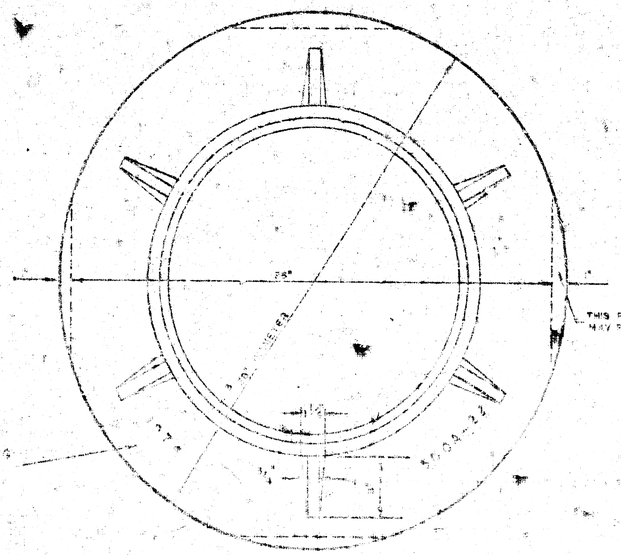
WEIGHT 170 LBS.



MANHOLE COVER

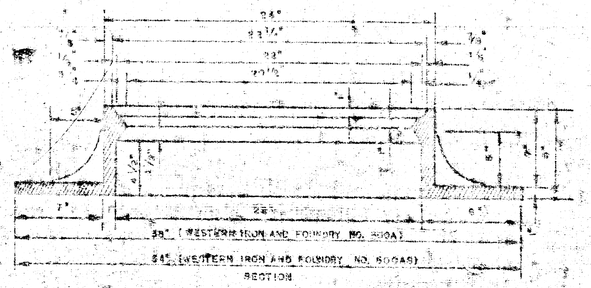


MANHOLE COVER

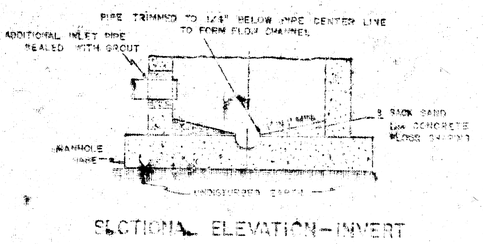


MANHOLE RING

WEIGHT 600 LBS. (NO. 5004)
WEIGHT 600 LBS. (NO. 5004A)



MANHOLE RING



SECTIONAL ELEVATION—INVERT

NOTE: OPENING FOR INLET PIPE CUT IN MANHOLE SHELL AND PIPE GROUTED IN PLACE WITH A WELL SMOOTHED JOINT. EXTERIOR OF COMPLETED CONNECTION TO BE SEALED WITH TROWELED COATING.

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 6 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.

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