LATERAL 99, DRY CREEK MAIN 2, SS.NO. 12

PROJECT NO. DBKL 574079

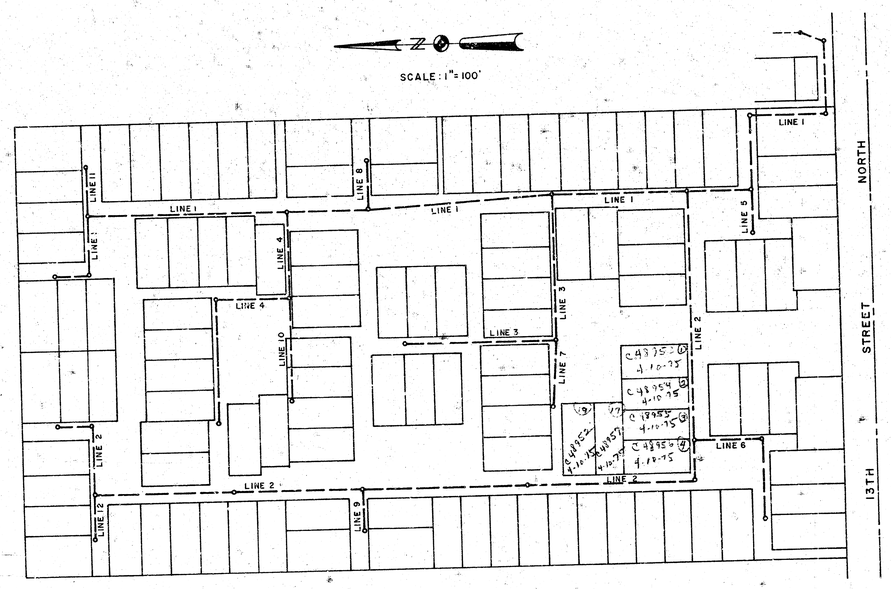
CITY OF WICHITA, KANSAS

R.W. LINN CITY ENGINEER

JAN. 1975

NOTE: TYPE "C" MANHOLES MAY BE USED AT ALL LOCATIONS WHERE TYPE "A" MANHOLES ARE SPECIFIED. CLAY PIPE STUBS ARE TO BE INSTALLED IN MANHOLES WHEN REQUIRED TO SERVE ANY ONE LOT.

SCALE: 1"= 100'



LOCATION MAP

SCALE: 1"= 100'

INDEX TO DRAWINGS

SHEET TITLE	SHEET NO.
TITLE SHEET	1
PLAN SHEET	2
PROFILES	3-4
SEWER APPURTENANCES	5-6

DESIGN	
DR. BY	
CK. BY	
DATE	
JOB NO.	

VAN DOREN-HAZARD-STALLINGS-SCHNACKE
ENGINEERS-ARCHITECTS · · · TOPEKA, KANSAS

SHEET 1 OF 6

SCALE : 1" = 50'

Sta. 0+70 - Line 11
Const. Std.
Type "A" MH

Sta. 2+45 - Line 9
Const. Std. Type "A" MH

Sta. 1+30 - Line 4 =
Sta. 0+00 - Line 10
Const. Std. Type "A" MH

Sta. 18+30.69 - Line 1 =
Sta. 0+00 - Line 4
Const. Std. Type "A" MH

Sta. 17+00.69 - Line 1 =
Sta. 0+00 - Line 8
Const. Std. Type "A" MH

Sta. 0+70 - Line 8
Const. Std. Type "A" MH

Sta. 14+20.69 - Line 1 =
Sta. 0+00 - Line 3
Const. Std. Type "A" MH

Sta. 12+10.29 - Line 1 =
Sta. 0+00 - Line 2
Const. Std. Type "A" MH

Sta. 11+05.29 - Line 1 =
Sta. 0+00 - Line 5
Const. Std. Type "A" MH

Sta. 10+00 - Line 1
Const. Std. Type "A" MH

Exist 8" Water

Sta 7+43.61 Line 1
Connect to Exist. MH

Sta 7+75.62 - Line 1
Const Std Type "A" M.H.

Remove & Replace 6' Curb,
18 sq yds Conc, 20 sq yds Asphalt

Sta 8+82.52 Line 1
Const Std. Type "A" M.H.

Sta. 21+90.69 - Line 1 =
Sta. 0+00 - Line 11
Const. Std Type "A" MH

Sta. 22+30.69 - Line 1
Const. Std. Type "A" MH

Sta. 22+85.69 - Line 1
Const. Std. Type "A" MH

Sta. 15+10 - Line 2
Const. Std. Type "A" MH

Sta. 14+55 - Line 2
Const. Std. Type "A" MH

Sta. 13+55 - Line 2 =
Sta. 0+00 - Line 12
Const. Std. Type "A" MH

Sta. 0+65 - Line 12
Const. Std. Type "A" MH

Sta. 4+25 - Line 4
Const. Std. Type "A" MH

Sta. 11+40 - Line 2
Const. Std. Type "A" MH

Sta. 1+50 - Line 10
Const. Std.
Type "A" MH

Sta. 9+40 - Line 2 =
Sta. 0+00 - Line 9
Const. Std. Type "A" MH

Sta. 0+65 - Line 9
Const. Std. Type "A" MH

Sta. 6+85 - Line 2
Const. Std. Type "A" MH

Sta. 2+15 - Line 3 =
Sta. 0+00 - Line 7
Const. Std. Type "A" MH

Sta. 1+00 - Line 7
Const. Std. Type "A" MH.

Sta. 4+50 - Line 3
Const. Std. Type MH

Sta. 4+25 - Line 2
Const. Std. Type "A" MH

Sta. 0+65 - Line 5
Const. Std. Type "A" MH

Sta. 2+00 - Line 2
Const. Std. Type "A" MH

Sta. 3+65 - Line 2 =
Sta. 0+00 - Line 6
Const. Std. Type "A" MH

Sta. 1+15 - Line 6
Const. Std. Type "A" MH

Sta. 2+35 - Line 6
Const. Std. Type "A" MH

LINE 1 · LINE 2 · LINE 3 · LINE 4 · LINE 5 · LINE 6 · LINE 7 · LINE 8 · LINE 9 · LINE 10 · LINE 11 · LINE 12

RESERVE

10' Utility Easement

Exist 16" Water

Exist 8" Water

Exist 4" PVC FM

Exist 8" PVC

13TH STREET

NORTH

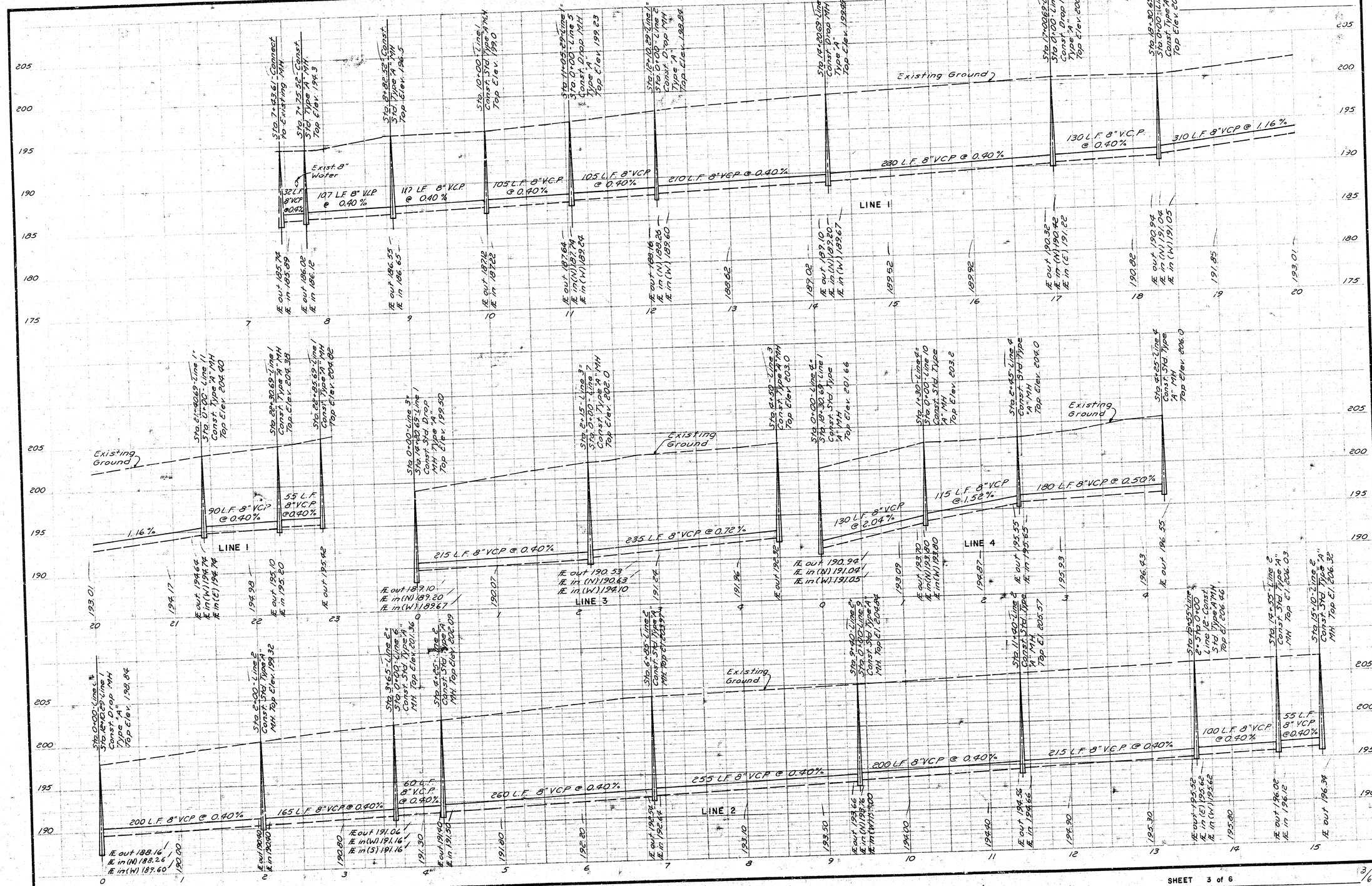
Note : Contractor may construct Type "C" Manholes at his own option.

Note : All Reserves are dedicated for the construction operation and maintenance of public utilities.

NOTE: CLAY PIPE STUBS TO BE INSTALLED IN MANHOLES WHEN NECESSARY TO SERVE ANY ONE LOT.

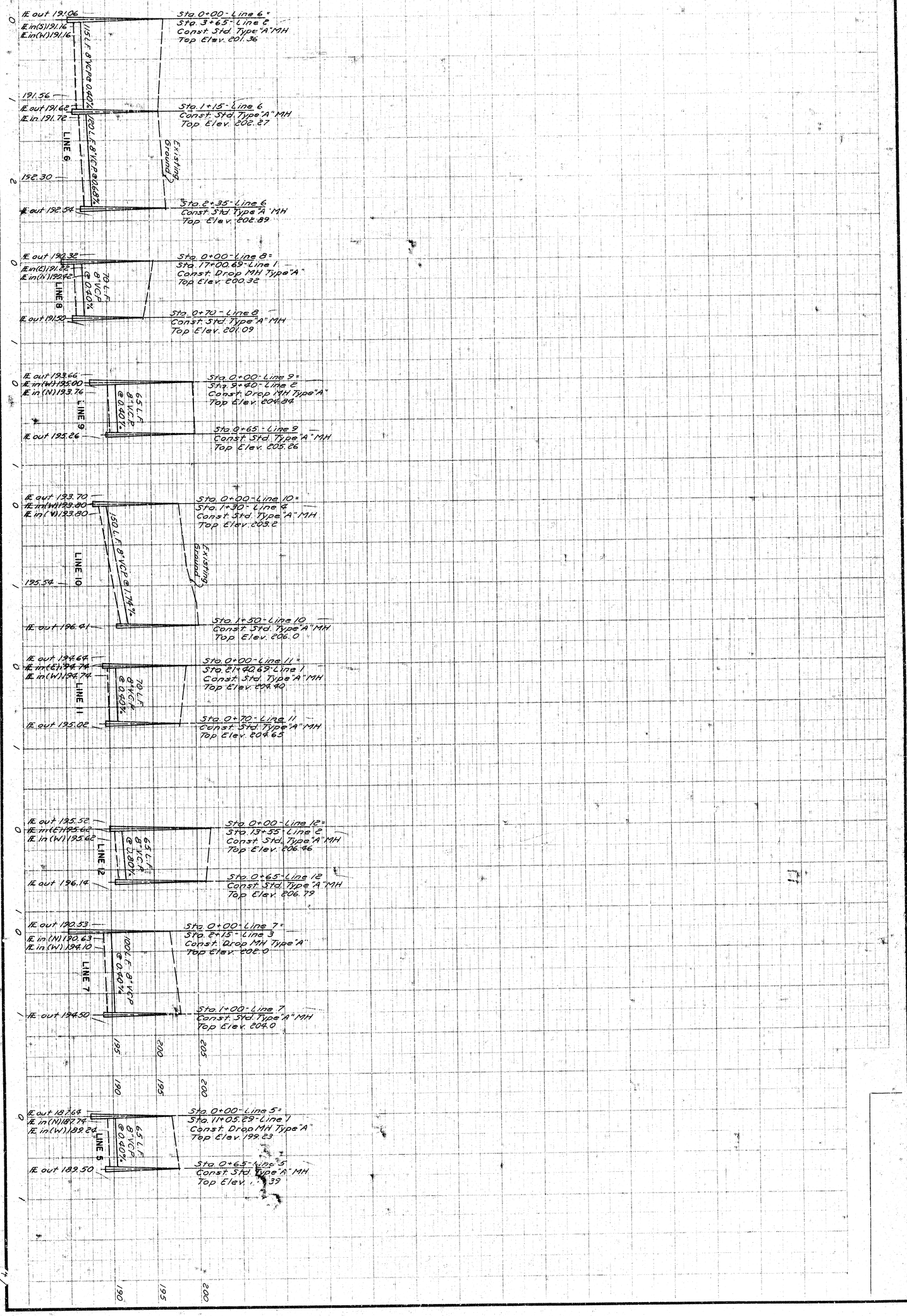
Bench Mark - Wichita Disk - 42' N. & 38' E. 13th & Rock - Elev. 1186.84

DESIGN	LEISURE LIVING VENTURES
DR. BY	FIRST ADDITION
CK. BY	
DATE	
JOB NO.	
VAN DOREN-HAZARD-STALLINGS	SHEET 2/6
ENGINEERS · ARCHITECTS · · · TOPEKA, KANSAS	OF

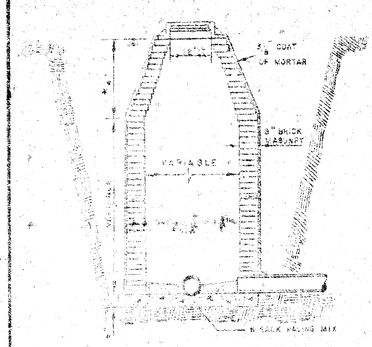


SHEET 3 of 6

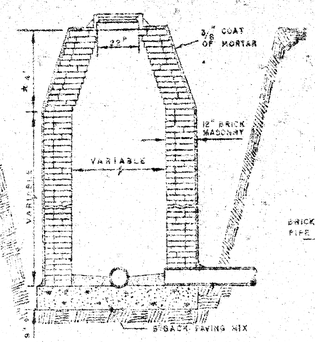
3/6


IE out 191.06
IE in(S) 191.16
IE in(W) 191.16
115 L.F. 8" VCP @ 0.40%
Sta. 0+00 - Line 6
Sta. 3+65 - Line 2
Const. Std. Type "A" MH
Top Elev. 201.36
191.56
IE out 191.62
IE in 191.72
LINE 6
Sta. 1+15 - Line 6
Const. Std. Type "A" MH
Top Elev. 202.27
Existing Ground
192.30
IE out 192.54
Sta. 2+35 - Line 6
Const. Std. Type "A" MH
Top Elev. 202.89
IE out 190.32
IE in(E) 191.32
IE in(N) 190.42
LINE 8
70 L.F. 8" VCP @ 0.40%
Sta. 0+00 - Line 8
Sta. 17+00.69 - Line 1
Const. Drop MH Type "A"
Top Elev. 200.32
IE out 191.50
Sta. 0+70 - Line 8
Const. Std. Type "A" MH
Top Elev. 201.09
IE out 193.66
IE in(W) 195.00
IE in(N) 193.76
LINE 9
65 L.F. 8" VCP @ 0.40%
Sta. 0+00 - Line 9
Sta. 9+90 - Line 2
Const. Drop MH Type "A"
Top Elev. 204.89
IE out 195.26
Sta. 0+65 - Line 9
Const. Std. Type "A" MH
Top Elev. 205.26
IE out 193.70
IE in(W) 193.80
IE in(N) 193.80
LINE 10
150 L.F. 8" VCP @ 1.74%
Sta. 0+00 - Line 10
Sta. 1+30 - Line 4
Const. Std. Type "A" MH
Top Elev. 203.2
Existing Ground
195.54
IE out 196.41
Sta. 1+50 - Line 10
Const. Std. Type "A" MH
Top Elev. 206.0
IE out 194.69
IE in(E) 194.74
IE in(W) 194.74
LINE 11
70 L.F. 8" VCP @ 0.40%
Sta. 0+00 - Line 11
Sta. 21+90.69 - Line 1
Const. Std. Type "A" MH
Top Elev. 204.40
IE out 195.02
Sta. 0+70 - Line 11
Const. Std. Type "A" MH
Top Elev. 204.65
IE out 195.59
IE in(E) 195.69
IE in(W) 195.69
LINE 12
65 L.F. 8" VCP @ 0.80%
Sta. 0+00 - Line 12
Sta. 13+55 - Line 2
Const. Std. Type "A" MH
Top Elev. 206.46
IE out 196.14
Sta. 0+65 - Line 12
Const. Std. Type "A" MH
Top Elev. 206.79
IE out 190.53
IE in(N) 190.63
IE in(W) 194.10
LINE 7
100 L.F. 8" VCP @ 0.40%
Sta. 0+00 - Line 7
Sta. 2+15 - Line 3
Const. Drop MH Type "A"
Top Elev. 206.0
IE out 194.50
Sta. 1+00 - Line 7
Const. Std. Type "A" MH
Top Elev. 204.0
195
200
205
190
195
200
IE out 187.64
IE in(N) 187.74
IE in(W) 189.24
LINE 5
65 L.F. 8" VCP @ 0.40%
Sta. 0+00 - Line 5
Sta. 11+05.29 - Line 1
Const. Drop MH Type "A"
Top Elev. 199.23
IE out 189.50
Sta. 0+65 - Line 5
Const. Std. Type "A" MH
Top Elev. 199
190
195
200

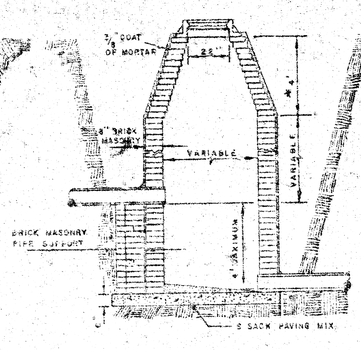
SHEET 4 of 5



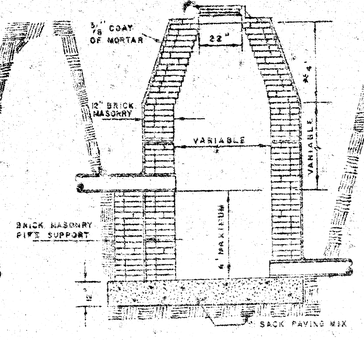
STANDARD MANHOLE
TYPE "A"



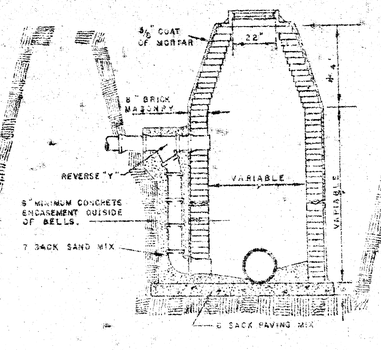
STANDARD MANHOLE
TYPE "B"



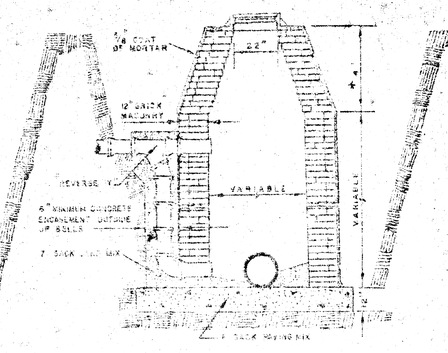
DROP MANHOLE
TYPE "A"



DROP MANHOLE
TYPE "B"

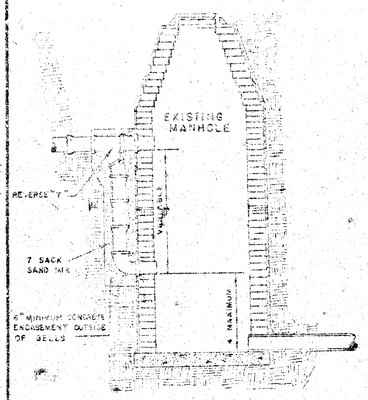


OUTSIDE DROP MANHOLE
TYPE "A"

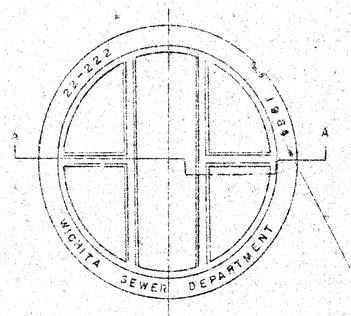


OUTSIDE DROP MANHOLE
TYPE "B"

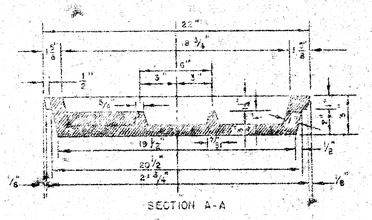
* DRAW = 6' ON 5' DIA. M.H.



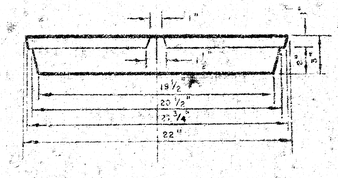
DETAIL OF DROP STACK
FOR EXISTING MANHOLES IN GROUND WATER



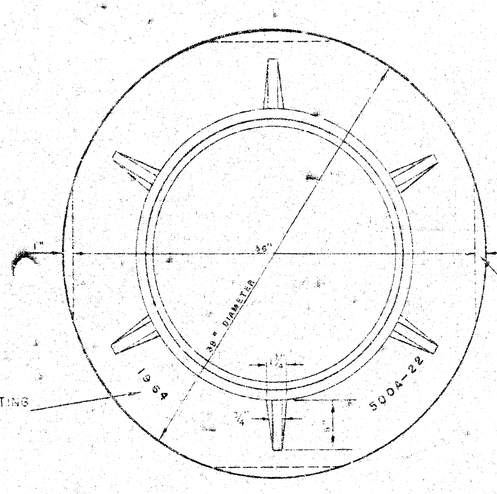
MANHOLE COVER
WEIGHT 110 lbs.



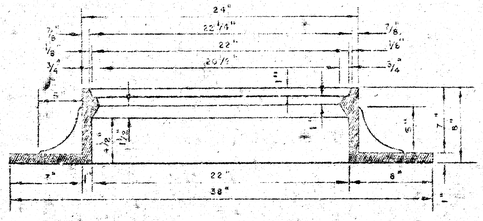
MANHOLE COVER



MANHOLE COVER



MANHOLE RING
WEIGHT 355 lbs.



MANHOLE RING

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

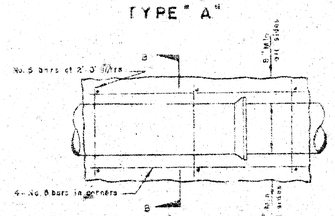
MANHOLES

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

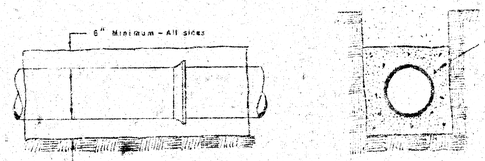
STANDARD MANHOLES AND DROP MANHOLES, REGARDLESS OF DIAMETER, SHALL BE BID AT ONE PRICE AS STANDARD MANHOLES.

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

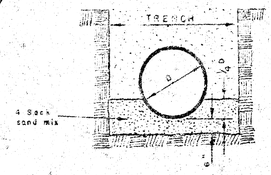
ALL MANHOLES WITH PIPES LARGER THAN 24" SHALL BE 5' DIAMETER UNLESS OTHERWISE SPECIFIED ON PLAN. ALL M.H.'S WITH PIPES 24" OR SMALLER SHALL BE 4' DIA.



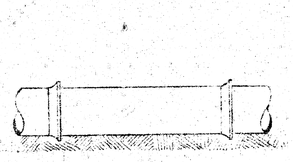
REINFORCED CONCRETE ENCASEMENT
FOR STRENGTH



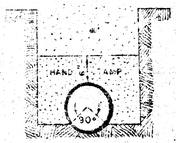
CONCRETE ENCASEMENT
FOR COVER

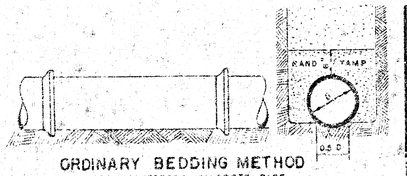


DETAIL OF CONCRETE CRADLE



ORDINARY BEDDING METHOD
FOR CLAY PIPE

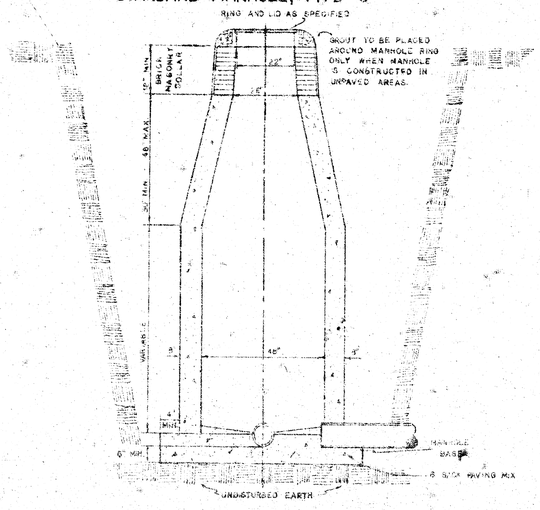




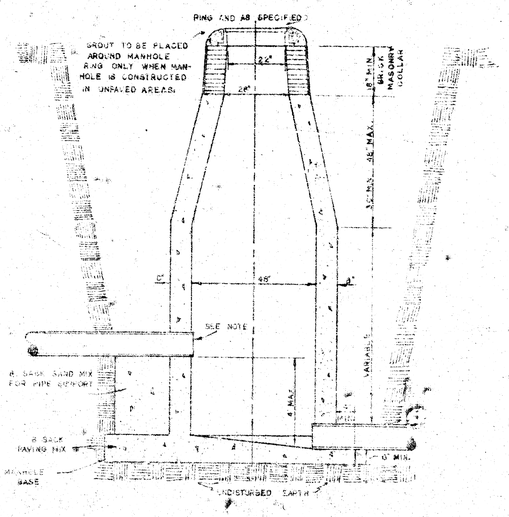
ORDINARY BEDDING METHOD
FOR REINFORCED CONCRETE PIPE

DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
1964

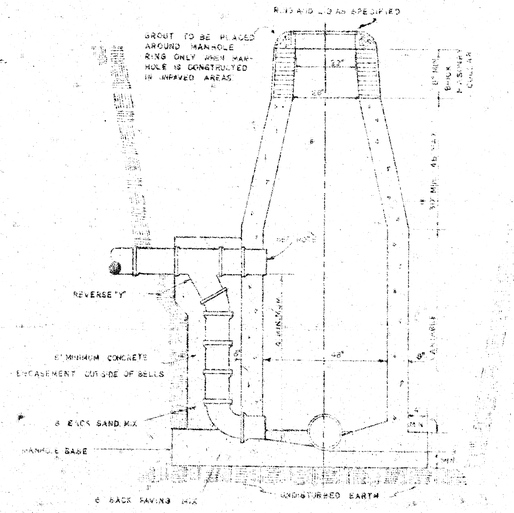
STANDARD MANHOLE, TYPE "C"



DROP MANHOLE, TYPE "C"



OUTSIDE DROP MANHOLE, TYPE "C"



GENERAL NOTES

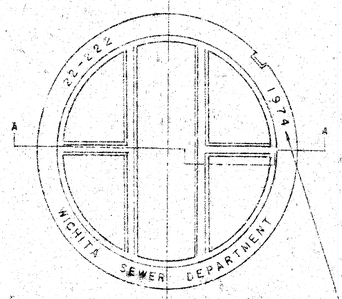
MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 6 SACKS OF CEMENT PER CUBIC YARD.

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.

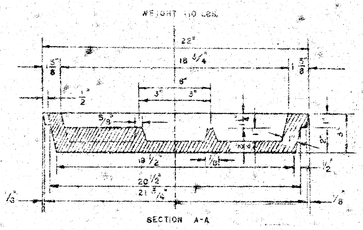
THE FLOORS OF ALL MANHOLES SHALL BE SHAPED TO INCREASE HYDRAULIC EFFICIENCY USING 6 SACK SAND MIX CONCRETE.

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.

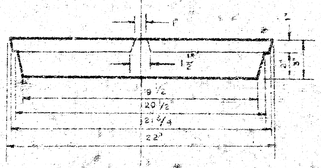


TOP VIEW

MANHOLE COVER

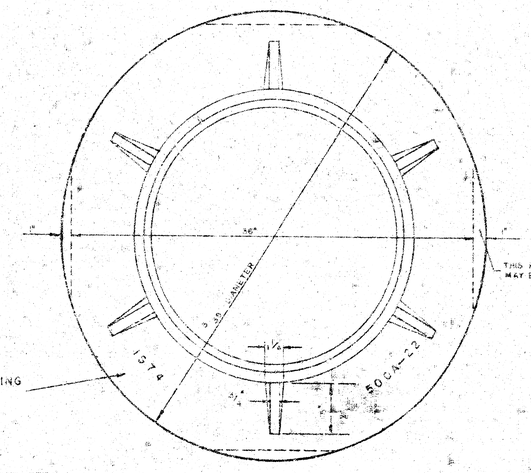


MANHOLE COVER



MANHOLE COVER

YEAR CASTING IS MADE



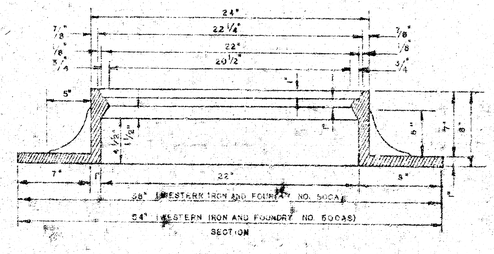
TOP VIEW

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

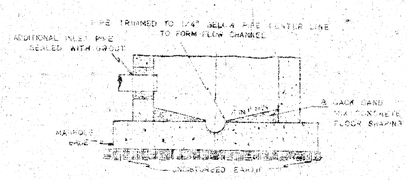
MANHOLE RING

WEIGHT 325 LBS RING NO. 500A

WEIGHT 500 LBS. RING NO. 500AS



MANHOLE RING



SECTIONAL ELEVATION—INVERT

NOTE: CREWING 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

SHEET 6 of 6