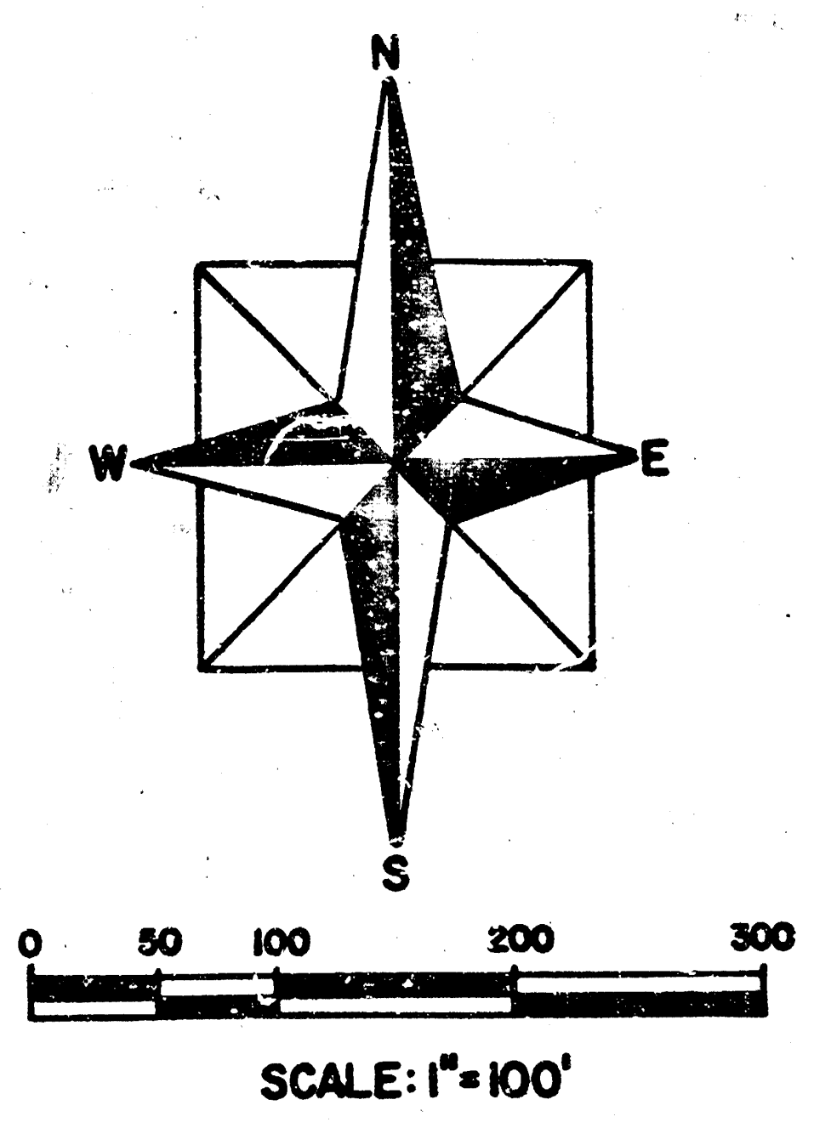
SILVER SPRINGS

LOT 2, BLOCK 1, SILVER SPRINGS

AN ADDITION TO THE CITY OF WICHITA, KANSAS

SANITARY SEWER PLAN

PROJECT # 468-76-245-80000-000-000-008


N
E
S
W
0
50
100
200
300

SCALE: 1"=100'

OWNER:

FLOYD R. HARDESTY
4606 SOUTH GARNETT
TULSA, OKLAHOMA
74145
PHONE: 622-3600

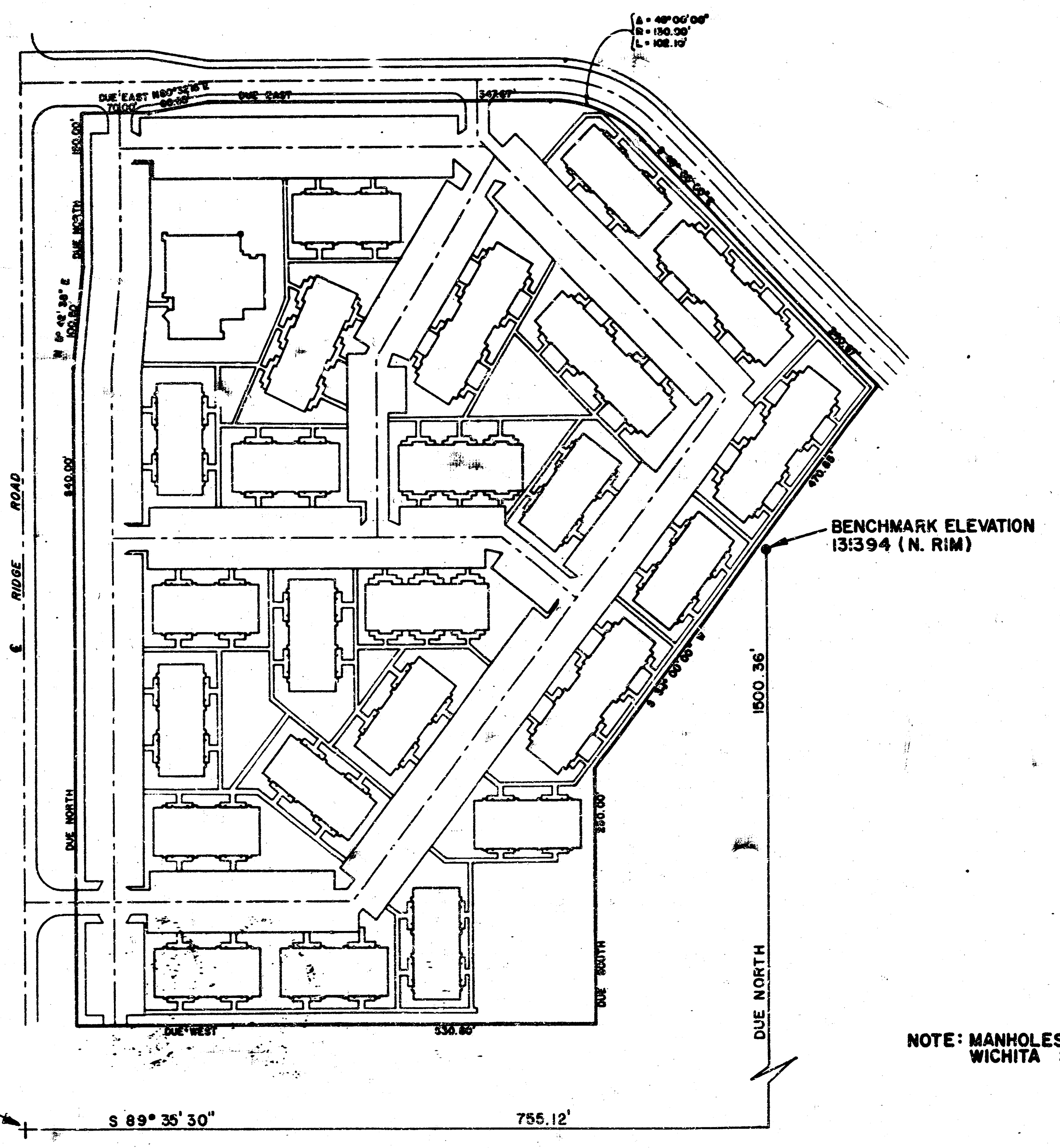
GENERAL NOTES

ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CITY OF WICHITA SPECIFICATION

EXISTING UNDERGROUND LINES HAVE BEEN SHOWN TO THE EXTENT KNOWN AND LOCATIONS ARE APPROXIMATE, THE EXACT LOCATIONS AND NOTIFICATION OF THE PROPER AGENCY IS THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO ANY EXCAVATION.

LEGEND

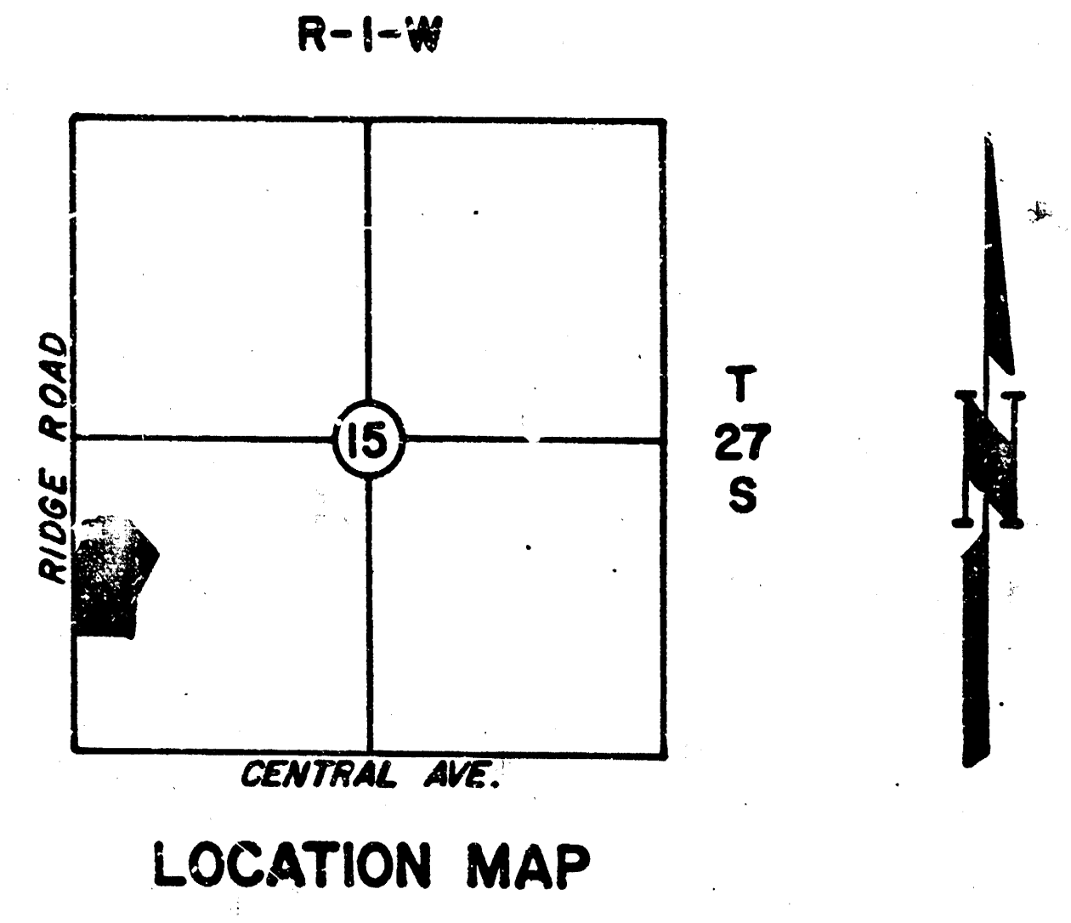
(00) ○	STANDARD 4' I.D MANHOLE & NUMBER
(0) ○	STANDARD LAMPHOLE & LETTER
(0) ◌	CONNECTION TO EXISTING MANHOLE & LETTER
———	8" VITRIFIED CLAY PIPE UNLESS OTHERWISE NOTED
STM---STM	STORM SEWER CROSSING
W-----W	WATER CROSSING
▨	CAST IRON PIPE


Δ = 48°00'00"
R = 130.00'
L = 102.10'
DUE EAST
N80°32'16"E
70.00'
60.16'
DUE EAST
342.67'
150.00'
DUE NORTH
N 8° 42' 38" E
100.50'
540.00'
RIDGE ROAD
℄
DUE NORTH
470.88'
S 38° 00' 00" W
250.00'
DUE SOUTH
DUE WEST
330.60'
BENCHMARK ELEVATION
13:394 (N. RIM)
1500.36'
DUE NORTH
SOUTHWEST CORNER OF SW/4 OF SECTION 15, T-27-S, R-1-W
S 89° 35' 30"
755.12'

BENCHMARK: APPROXIMATELY 755.12 FEET EAST AND 1500.36 FEET NORTH OF THE SOUTHWEST CORNER OF THE SW/4 OF SECTION 15, T-27-S R-1-W.

NOTE: MANHOLES ARE TO BE CITY OF WICHITA STANDARD TYPE A OR C

AL C. YOUNG & ASSOCIATES
OF TULSA, INC.
CONSULTING ENGINEERING • PLANNING • ENVIRONMENTAL ANALYSIS


R-1-W
RIDGE ROAD
15
T
27
S
CENTRAL AVE.
N

LOCATION MAP

NOTE TO CONTRACTOR

This project will be constructed under the supervision of the CITY ENGINEER and conforming to the SPECIFICATIONS of the CITY OF WICHITA. The CONTRACTOR will prepay the City of Wichita for all costs of Inspection.

3-21-84

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers D.L.G.
Storm Sewers ____________
Driveway Approaches ____________

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SANITARY SEWER PLAN SHEET
3	SANITARY SEWER PROFILE SHEET
4	SANITARY SEWER MISC. DETAILS

AL C. YOUNG
LICENSED
7256
KANSAS
PROFESSIONAL ENGINEER

CITY OF WICHITA, KANSAS

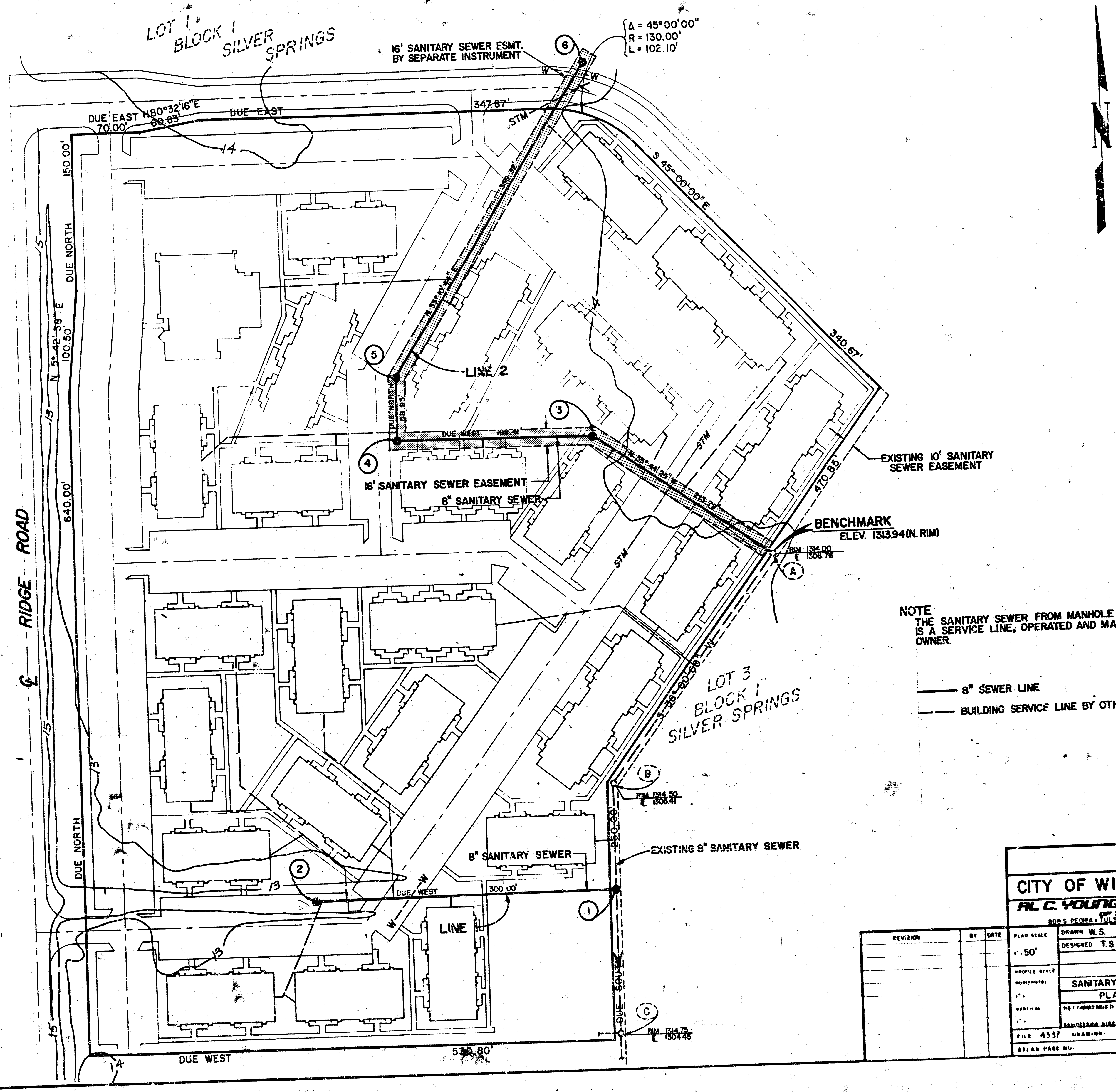
AL C. YOUNG & ASSOCIATES
OF TULSA, INC.
808 S. PEORIA • TULSA, OKLA 74120 • 918/583-4181

No.	REVISION	BY	DATE

☐ APPROVED FOR CONSTRUCTION ____________

☐ NOT APPROVED FOR CONSTRUCTION.

PLAN SCALE 1" = 100'	DRAWN DESIGNED SILVER SPRINGS TITLE SHEET	APPROVED:
PROFILE SCALE HORIZONTAL: 1" = VERTICAL: 1" =	RECOMMENDED ENGINEERING DIRECTOR	1/4
FILE: 4337	DRAWING:	DATE:
ATLAS PAGE NO:		SHEET 1 OF 4 SHEETS


LOT 1 BLOCK 1 SILVER SPRINGS
16' SANITARY SEWER ESMT. BY SEPARATE INSTRUMENT
⑥
Δ = 45°00'00"
R = 130.00'
L = 102.10'
W
W
347.87'
STM
DUE EAST 70.00'
N 80°32'16" E 69.83'
DUE EAST
14
150.00'
DUE NORTH
N 5°42'55" E 100.50'
640.00'
RIDGE ROAD
15
13
S 45°00'00" E
340.67'
359.32'
N 33°0'44" E
⑤
LINE 2
DUE NORTH 58.93'
④
DUE WEST 198.41
③
N 55°44'24" W 213.79'
16' SANITARY SEWER EASEMENT
8" SANITARY SEWER
STM
STM
470.85'
EXISTING 10' SANITARY SEWER EASEMENT
BENCHMARK
ELEV. 1313.94 (N. RIM)
RIM 1314.00
℄ 1306.76
Ⓐ
LOT 3 BLOCK 1 SILVER SPRINGS
S 36°00'00" W
Ⓑ
RIM 1314.50
℄ 1305.41
250.00'
EXISTING 8" SANITARY SEWER
8" SANITARY SEWER
②
DUE WEST
300.00'
①
W
LINE
DUE SOUTH
Ⓒ
RIM 1314.75
℄ 1304.45
DUE NORTH
DUE WEST
530.80'
14

NOTE

THE SANITARY SEWER FROM MANHOLE 1 TO MANHOLE 2 IS A SERVICE LINE, OPERATED AND MAINTAINED BY THE OWNER.

——— 8" SEWER LINE

— — — BUILDING SERVICE LINE BY OTHERS

CITY OF WICHITA, KANSAS

A.L.C. YOUNG & ASSOCIATES
OF TULSA, INC.
808 S. PEORIA • TULSA, OKLA 74120 • 918/583-4181

REVISION	BY	DATE

PLAN SCALE 1" = 50'

PROFILE SCALE
HORIZONTAL 1" =
VERTICAL 1" =

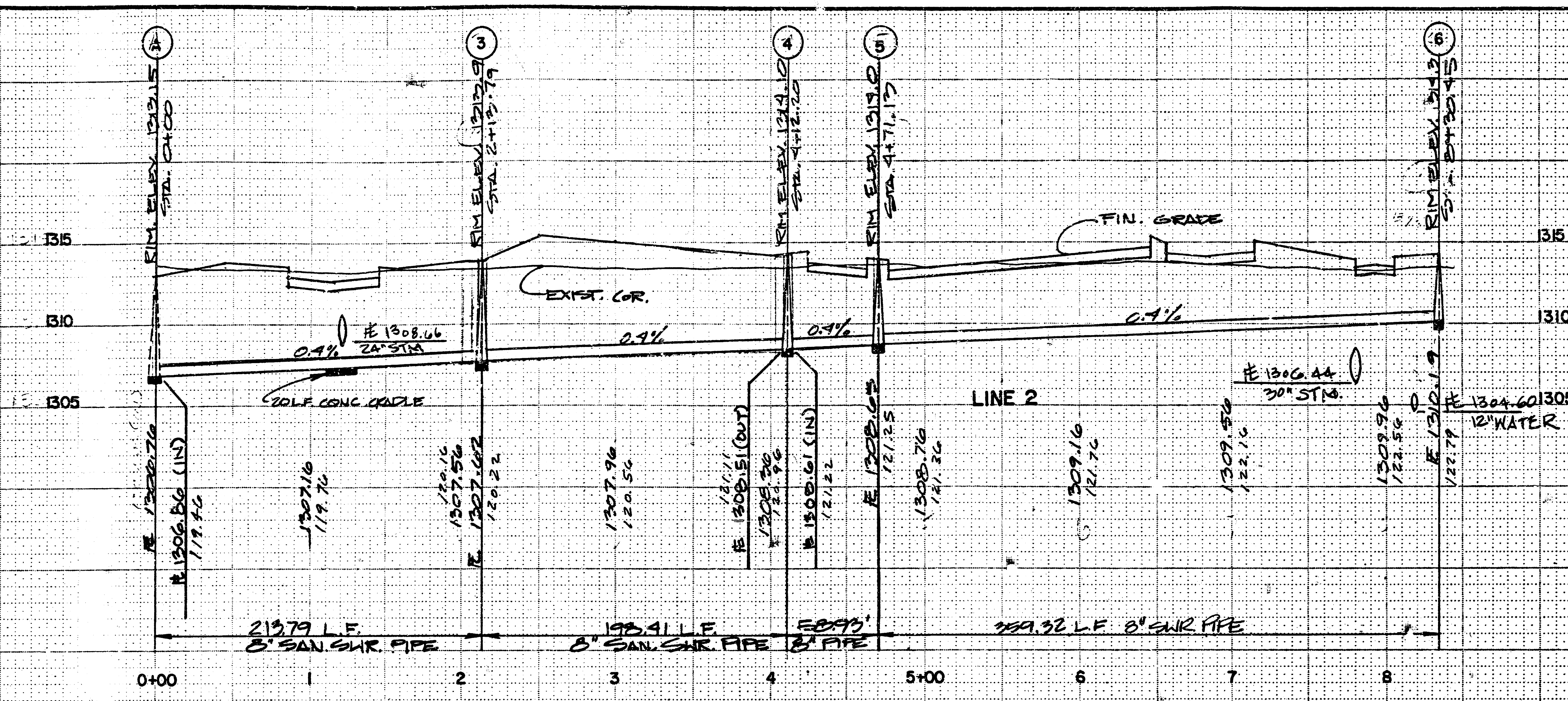
DRAWN W.S.
DESIGNED T.S

SANITARY SEWER
PLAN

RECOMMENDED
ENGINEERING DIRECTOR

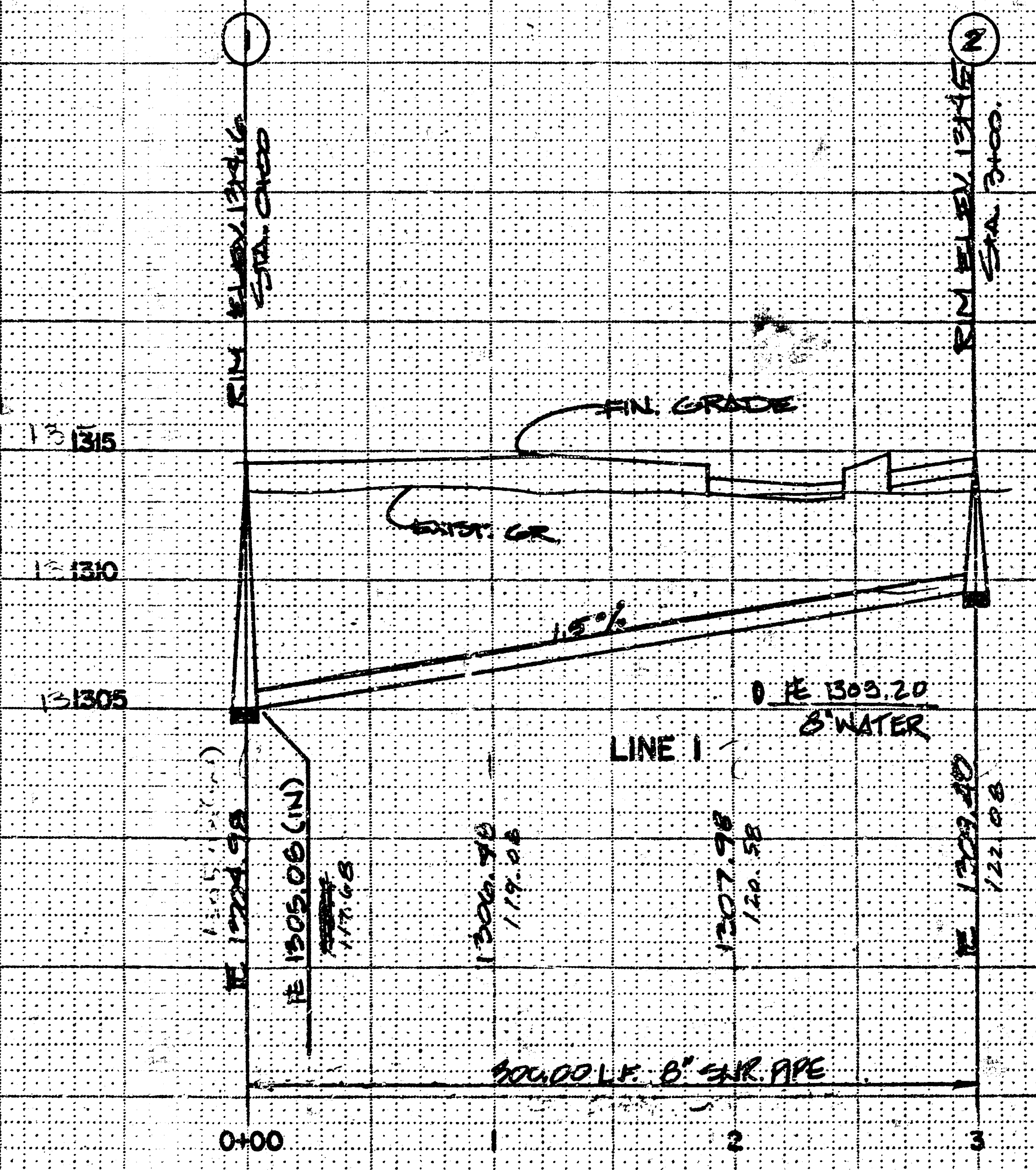
APPROVED
2/4

FILE 4337 DRAWING
ATLAS PAGE NO.
DATE
SHEET 2 OF 4 SHEETS



A
RIM ELEV. 1313.15
STA. 0+00
3
RIM ELEV. 1313.9
STA. 2+13.79
4
RIM ELEV. 1314.10
STA. 4+12.20
5
RIM ELEV. 1313.0
STA. 4+71.13
6
RIM ELEV. 1314.3
STA. 8+30.45
FIN. GRADE
EXIST. COR.
1315
1310
1305
0.4%
℄ 1308.66
24" STM
0.4%
0.4%
0.4%
20LF CONC CRADLE
LINE 2
℄ 1306.44
30" STM.
℄ 1304.60
12" WATER
℄ 1306.76
℄ 1306.86 (IN)
119.46
1307.16
119.76
120.16
1307.56
℄ 1307.62
120.22
1307.96
120.56
121.11
℄ 1308.51 (OUT)
1308.36
120.96
℄ 1308.61 (IN)
121.22
℄ 1308.65
121.25
1308.76
121.36
1309.16
121.76
1309.56
122.16
1309.96
122.56
℄ 1310.19
122.79
213.79 L.F.
8" SAN. SWR. PIPE
198.41 L.F.
8" SAN. SWR. PIPE
58.93'
8" PIPE
359.32 L.F. 8" SWR PIPE
0+00
1
2
3
4
5+00
6
7
8

NOTE:
ALL SWR. PIPE ABS COMPOSITE PIPE
W/ SOLVENT CEMENT JOINT.



1
RIM ELEV. 1316.6
STA. 0+00
2
RIM ELEV. 1316.6
STA. 3+00
FIN. GRADE
EXIST. GR.
1315
1310
1305
1.5%
℄ 1303.20
8" WATER
LINE 1
℄ 1304.98
℄ 1305.08 (IN)
117.68
1306.48
119.08
1307.98
120.58
℄ 1309.48
122.08
300.00 L.F. 8" SWR. PIPE
0+00
1
2
3

CITY OF WICHITA, KANSAS

R.L. C. YOUNG & ASSOCIATES
OF TULSA, INC.
808 S. PEORIA • TULSA, OKLA 74120 • 918/583-4181

REVISION	BY	DATE

PLAN SCALE
1" =
PROFILE SCALE
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 5'

DRAWN S. DAVIS
DESIGNED T.J.S.

SILVER SPRINGS
SANITARY SEWER
PROFILES

RECOMMENDED
ENGINEERING DIRECTOR

APPROVED:
CITY ENGINEER
SUPT OF WATERWORKS AND SEWERAGE
3/4

FILE: 4337 DRAWING:
DATE:
ATLAS PAGE NO:
SHEET 3 OF 4 SHEETS

BRUNING 40-107 59002

MANHOLE FRAME AND COVER DETAIL

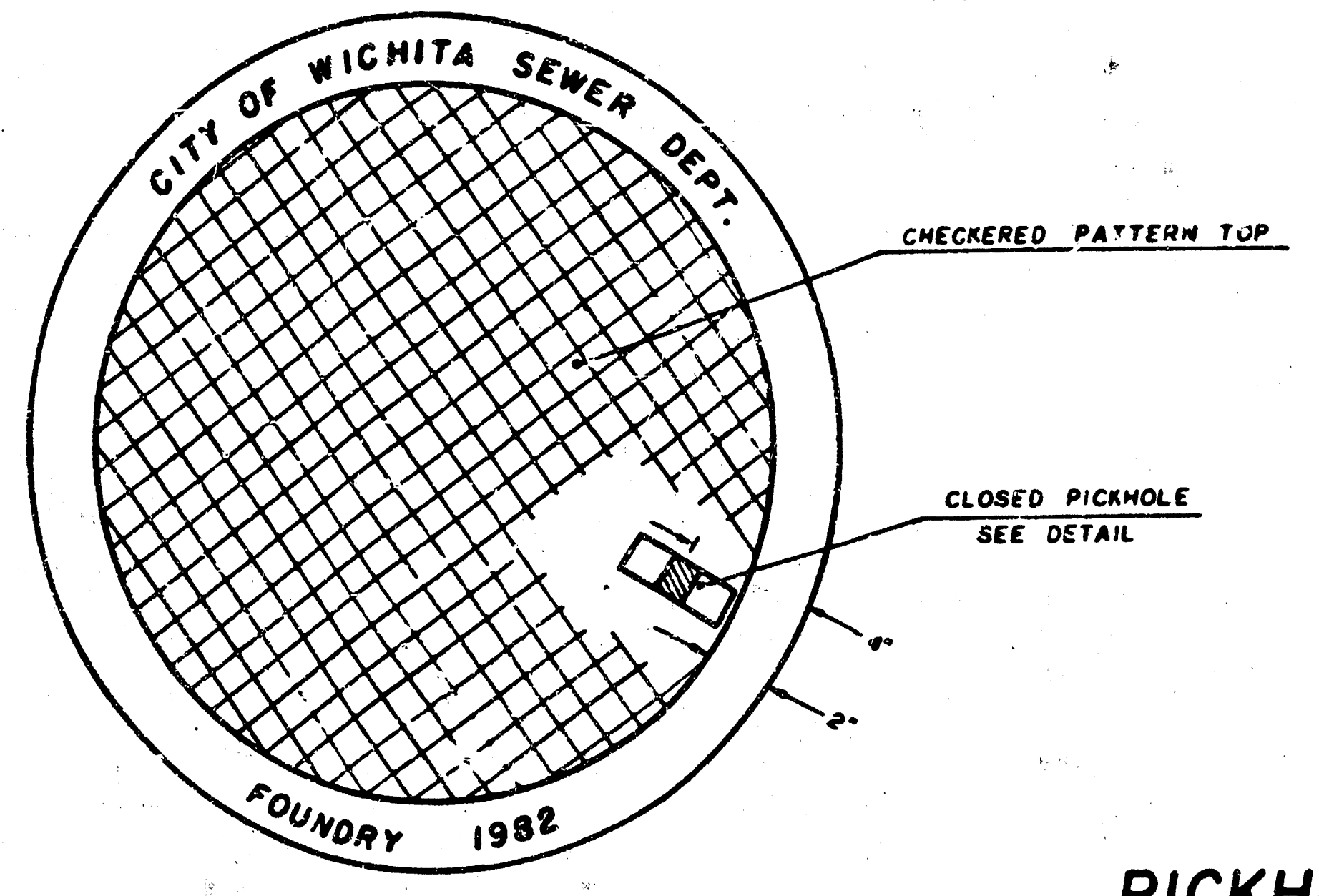
ADOPTED AS STANDARD DESIGN

BY

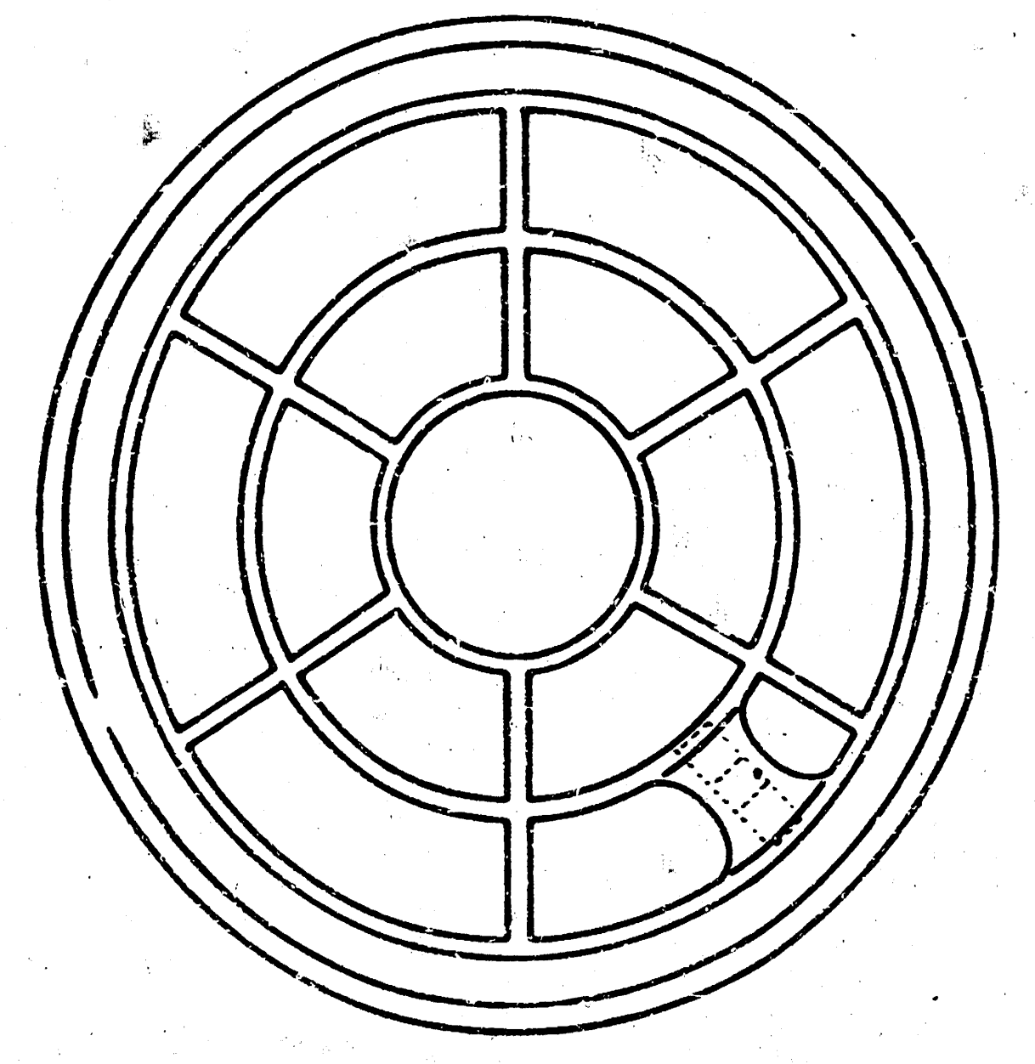
City of Wichita, Kansas

MANHOLE COVER

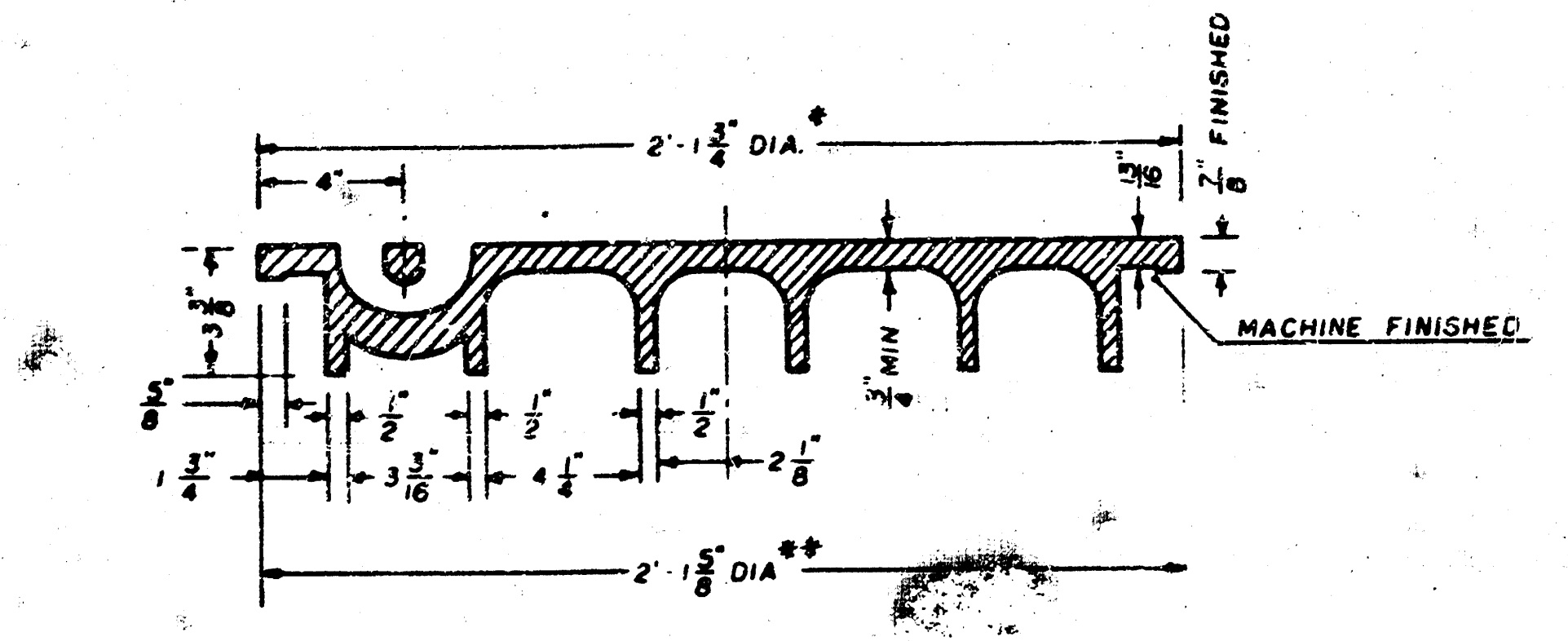
Weight: 180 Lbs.


CITY OF WICHITA SEWER DEPT.
CHECKERED PATTERN TOP
CLOSED PICKHOLE
SEE DETAIL
4"
2"
FOUNDRY 1982

TOP VIEW



BOTTOM VIEW

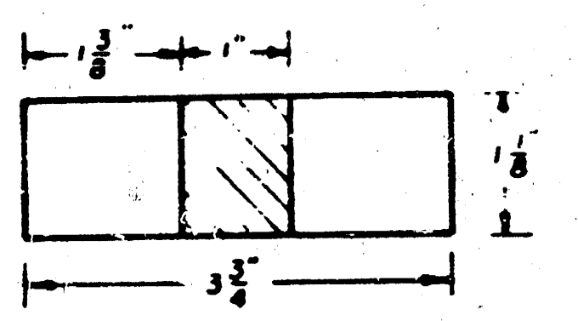

2'-1 3/4" DIA.*
4"
13/16"
7/8" FINISHED
MACHINE FINISHED
3 3/16"
5/8"
1/2"
1/2"
1/2"
1 3/4"
3 3/16"
4 1/4"
2 1/8"
3/4" MIN
2'-1 5/8" DIA**

SECTION VIEW

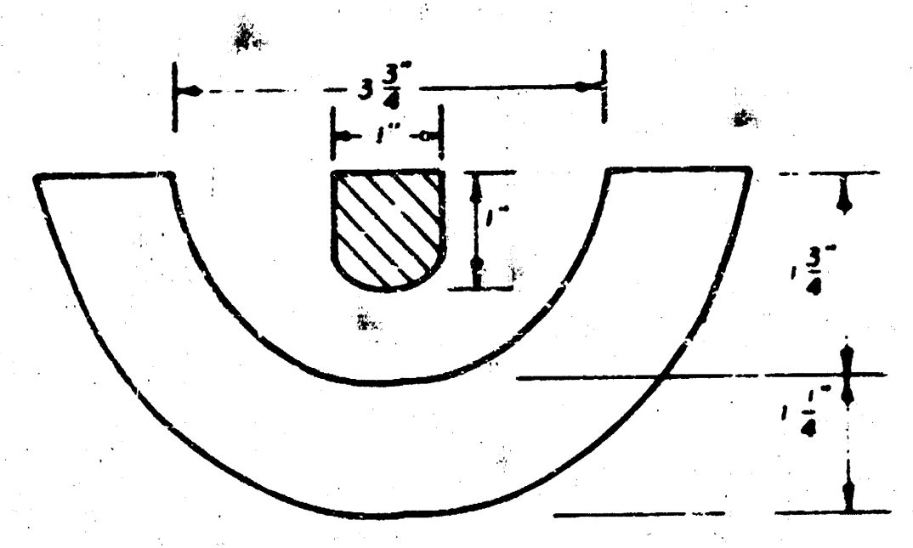
* OUTSIDE DIA TOP OF COVER

** OUTSIDE DIA BOTTOM OF COVER

PICKHOLE DETAIL


1 3/8"
1"
1 1/8"
3 3/4"

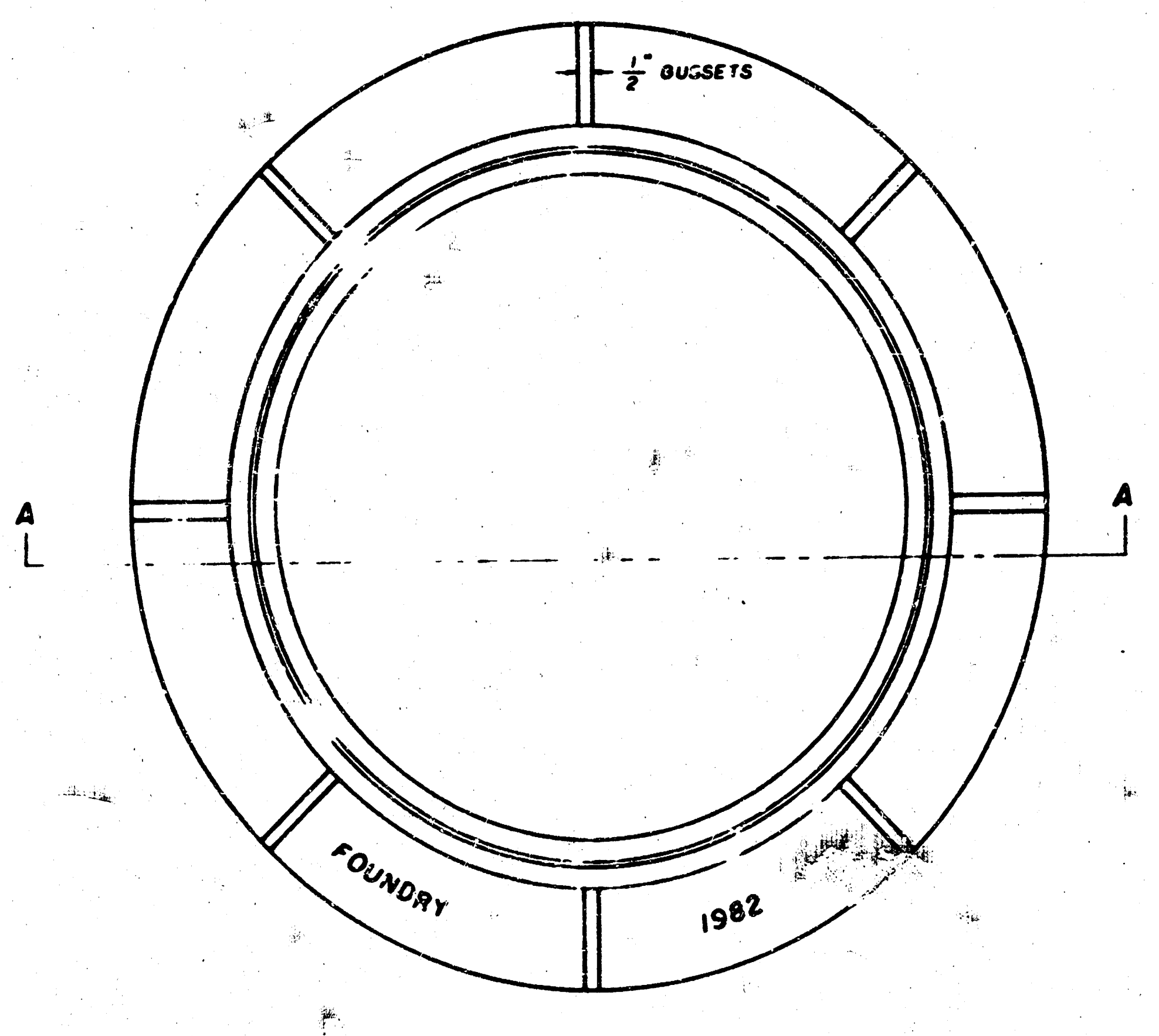
TOP VIEW


3 3/4"
1"
1"
1 3/4"
1 1/4"

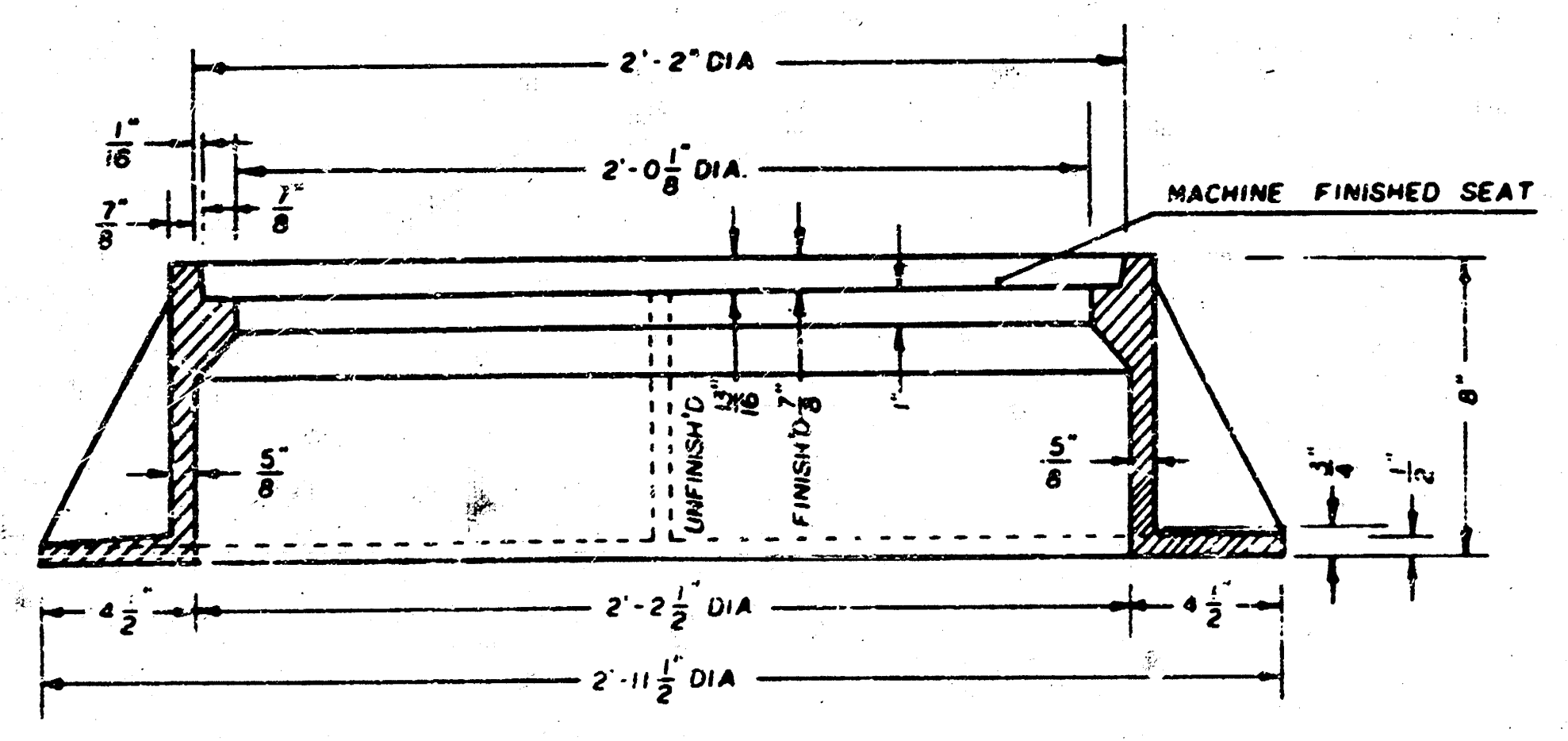
SECTION VIEW

MANHOLE FRAME

Weight: 240 Lbs.


1/2" GUSSETS
A
A
FOUNDRY
1982

TOP VIEW


2'-2" DIA
1/16"
7/8"
7/8"
2'-0 1/8" DIA.
MACHINE FINISHED SEAT
UNFINISH'D 13/16"
FINISH'D 7/8"
1"
5/8"
5/8"
8"
3/4"
1/2"
4 1/2"
2'-2 1/2" DIA
4 1/2"
2'-11 1/2" DIA

SECTION A-A

NOTE: MANHOLES ARE TO BE CITY OF WICHITA STANDARD TYPE A OR C

GENERAL NOTES

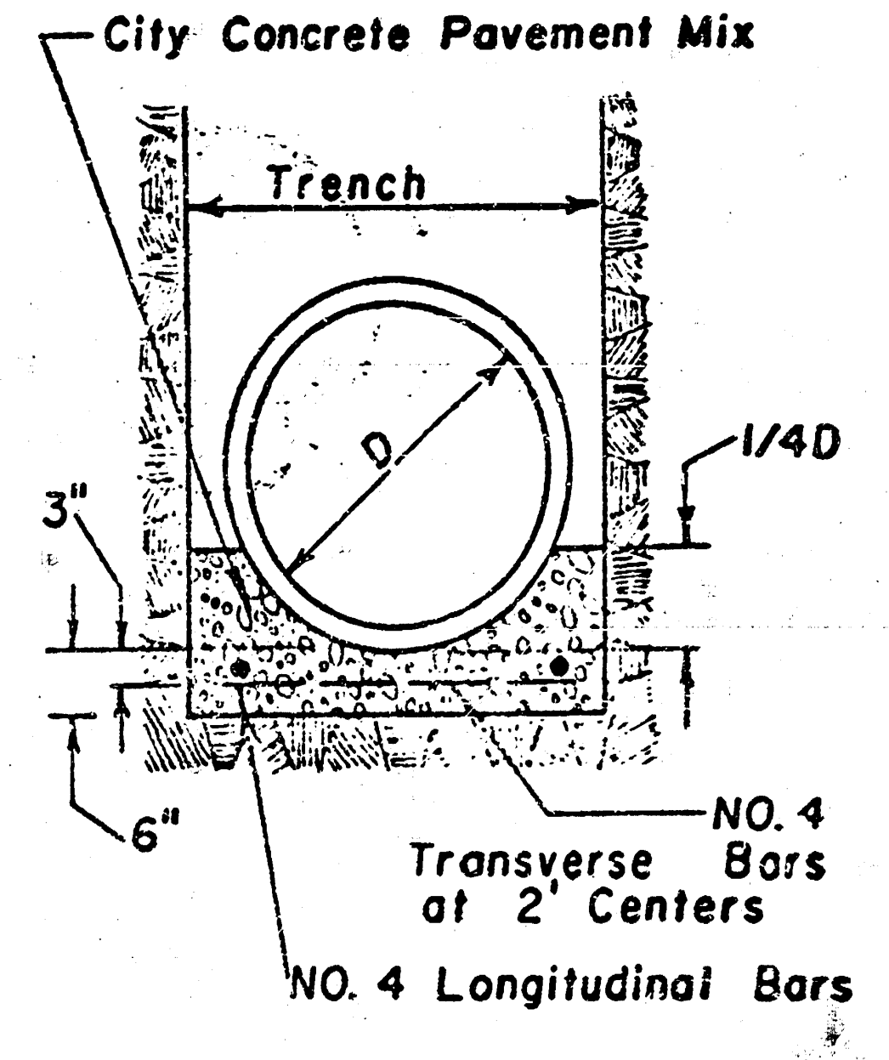
1. MANHOLE CASTINGS SHALL BE MANUFACTURED USING GOOD QUALITY GRAY IRON CONFORMING TO CLASS 30 OF A.S.T.M. DESIGNATION A-48. DIMENSIONS AND WEIGHTS SHOWN ON THE DETAILED DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ANY DEVIATIONS FROM THE DIMENSIONS SHOWN MUST BE SPECIFICALLY APPROVED. THE FINISHED CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTIONS OR OTHER DEFECTS.

2. MANHOLE CASTINGS SHALL BE COATED WITH AN ASPHALT PAINT RESULTING IN A SMOOTH, TOUGH AND TENACIOUS COATING WHICH IS NOT BRITTLE OR TACKY.

3. MANHOLE CASTINGS SHALL BE MANUFACTURED SUCH THAT A COVER MANUFACTURED BY ANY ONE FOUNDRY WILL FIT INTERCHANGEABLY INTO A FRAME MANUFACTURED BY ANOTHER FOUNDRY AND STILL MEET ALLOWABLE CLEARANCES AND NON-ROCKING REQUIREMENTS. THIS WILL REQUIRE MANUFACTURING OF THE MATCHING FACES ON THE COVER AND THE FRAME TO CLOSE TOLERANCES.

4. THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE IN THE FRAME RECESS SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AT ANY POINT AROUND THE CIRCUMFERENCE OF THE COVER. THE SEATING SURFACES BETWEEN THE COVER AND FRAME SHALL BE MACHINED SUCH THAT THESE SURFACES SHALL MAKE FULL CONTACT FOR THEIR FULL CIRCUMFERENCE TO PRECLUDE THE COVER FROM ROCKING IN THE FRAME.

5. THE MANHOLE FRAME AND COVER SHALL BE MARKED WITH LETTERING INDICATING THE NAME OF THE MANUFACTURER AND THE YEAR WHEN THE COVER OR FRAME WAS CAST. THE COVER SHALL BE FURTHER IDENTIFIED WITH REGARDS TO OWNERSHIP USING LETTERS AT LEAST 1" IN HEIGHT. THIS IDENTIFICATION SHALL BE "CITY OF WICHITA SEWER DEPARTMENT". THE WORD DEPARTMENT MAY BE ABBREVIATED. THE TEXTURE OF THE TOP SURFACE OF THE COVER SHALL BE MANUFACTURED IN A CHECKERED PATTERN DESIGN AS INDICATED ON THE DRAWINGS. SMOOTH BLOCKOUTS SHALL BE UTILIZED TO HIGHLIGHT THE LETTERING ON THE COVER SURFACE. THE TOTAL AREA OF SMOOTH SURFACE BLOCKOUT SHALL NOT EXCEED THE AREA AS INDICATED ON THE DRAWING. POSITIONING OF SMOOTH BLOCKOUTS AND LETTERING MAY VARY FROM THAT SHOWN ON THE DETAILED DRAWING.


City Concrete Pavement Mix
Trench
D
1/4D
3"
6"
NO. 4 Transverse Bars at 2' Centers
NO. 4 Longitudinal Bars

Detail Of Reinforced Concrete Cradle

4/4

JNL DEC 1981

SHEET 4 OF 4