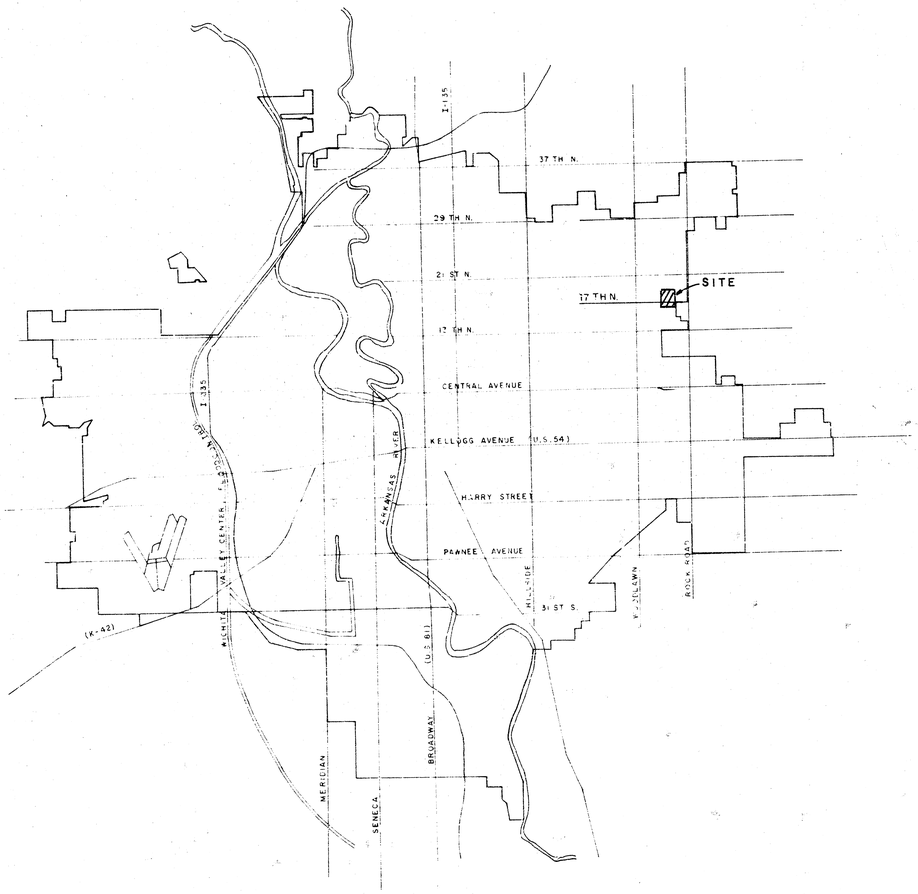
CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS

LAT. 13, MAIN 20 WAR INDUSTRIES SEWER

PROJ. NO. 468-76-245-80779-000-000-001

ACTING CITY ENGINEER—DEAN SELLERS



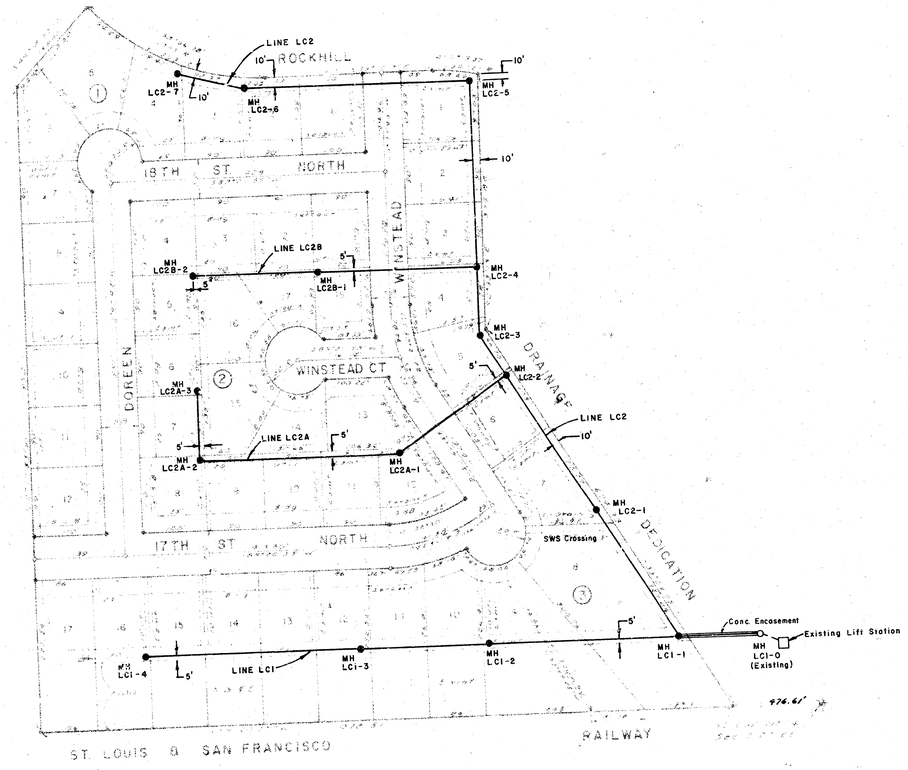
INDEX

1. TITLE SHEET
2. LAYOUT MAP
3. SANITARY SEWER LINE LC1
4. SANITARY SEWER LINE LC2
5. SANITARY SEWER LINES LC2A & LC2B
6. DETAILS

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers _____ Date _____

POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS

GARY R. MEZERA
LICENSED
7489
KANSAS
PROFESSIONAL ENGINEER



LISA COLE 1ST. ADDITION

GENERAL NOTES

1. Pipe for this project will be either A.B.S. Composite or Polyvinyl Chloride. All Sewer pipe of one size shall be of one type
2. All 4" Stub-outs shall be 5 L.F long measured from the outside of manholes. Flowline into manholes shall be .1' higher than the flowline out of the manholes. At the end of stub-outs the flowline shall be .2' higher than the flowline out of the manhole.

N

100 0 100 200
scale feet

GARY R. MEZGER LICENCED 7489 KANSAS PROFESSIONAL ENGINEER

POE & ASSOCIATES CONSULTING ENGINEERS

CITY OF WICHITA
LISA COLE 1ST ADDITION
LAYOUT MAP

ENGINEER: G.M.	ENG.TECH: J.W.
DRAWN BY: W.F.	SCALE: Noted
DATE: Nov. 1979	SHEET 2 OF 6

City Project No. 468-76-245 - 80779 000-000-001

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS

PLAN — SURVEYED / PLOTTED / GRADES CHECKED / R/W CHECKED / R/T OF WAY CHECKED / NOTE BOOK / NO.

Sta. 0+00 to Sta. 1+12.84
Constr. Concrete Encasement

Sta. 1+12.64 Line LC1=
Sta. 20+00 Line LC2

Cholsea Lift Station
(Existing)

6' F.M.

20' Util. Esmt.

5'

100'

K.G.&E. Easement

3

57' 30'

Sta. 0+00 - M.H. LC1-0
Remove existing plug

90'

Drainage Dedication

55.2'

Sta. 1+12.64 - M.H. LC1-1
Constr. Std. Manhole
Type "B" or "C"
See Sheet 6

8

9

Sta. 3+82.64 - M.H. LC1-2
Constr. Std. Manhole
Type "B" or "C"
Install 4" Stub Out North w/Plug
See Sheet 2 & 6

84.10

11

12

Sta. 6+52.64 - M.H. LC1-3
Constr. Std. Manhole
Type "B" or "C"
Install 4" Stub Out North w/Plug
See Sheet 2 & 6

54.20

14

15

16

Sta. 9+47.84 - M.H. LC1-4
Constr. Std. Manhole
Type "B" or "C"
Install 4" Stub Out North w/Plug
See Sheet 2 & 6

47.20

655'

Future 8" Water Main

8"W

17TH STREET NORTH

WINSTEAD

2

12 11 10 9 8

DOREEN

12

Future Main

LINE LCI

B.M.-City of Wichita bench mark disk
located 28' East of the ℄ Rock Rd.
and 51' North of the ℄ of tracks
of the San Francisco R.R.
ELEV. 199.701

50 0 50 100
scale feet

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / R/W CHECKED / NOTE BOOK / NO. / STRUCTURE NO.(S) CHKD

RECOMMENDED FINISH FLOOR (MIN.)

M.H. LC1-0 (Existing)
M.H. LC1-1
M.H. LC1-2
M.H. LC1-3
M.H. LC1-4

Top M.H. 197.20
Top M.H. 201.25
Top M.H. 205.60
Top M.H. 209.10

Existing Ground

Conc. Encasement

INSTALL 113 L.F. of 8" ABS @ 0.40% ALT. P.V.C.
INSTALL 270 L.F. of 8" A.B.S. @ 1.60% ALT. P.V.C.
INSTALL 270 L.F. of 8" A.B.S. @ 1.6% ALT. P.V.C.
INSTALL 292 L.F. of 8" A.B.S. @ 1.35% ALT. P.V.C.

E. Out 187.34
E. In 187.67
E. - 188.07
+12.64 - E. Out 188.12
E. In W. 138.12
E. In N. 188.22
E. - 189.52
E. - 191.12
+82.64 - E. 192.44
E. - 192.72
E. - 194.32
E. - 195.92
+52.64 - E. 196.76
E. - 197.40
E. - 198.75
E. - 200.10
+44.66 - E. 200.70

210 205 200 195 190 185

0 1 2 3 4 5 6 7 8 9

GARY R. MEDLER LICENSED 7488 KANSAS PROFESSIONAL ENGINEER

POE & ASSOCIATES CONSULTING ENGINEERS

CITY OF WICHITA
LISA COLE IST ADDITION
Sanitary Sewer
Line LCI

ENGINEER: G.M.	ENG TECH: J.W.
DRAWN BY: K.J.M.	SCALE: NOTED
DATE: NOV. 1979	SHEET 3 OF 6

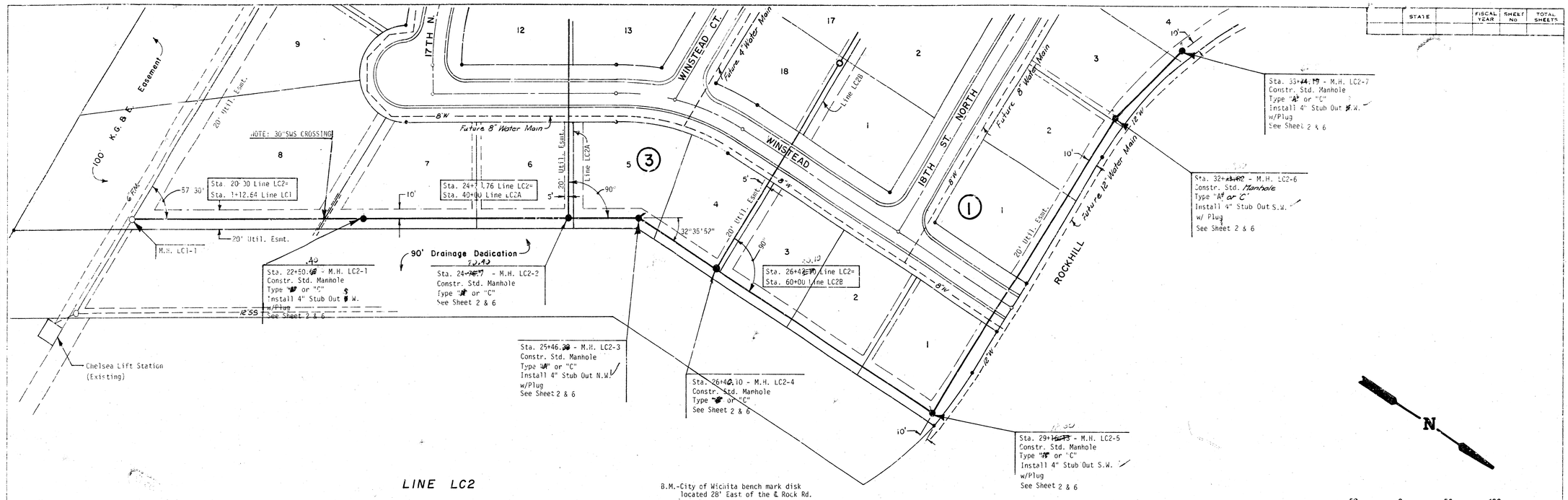
CITY PROJECT NO. 468-76-245-80779-000-000-001

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STATE		FISCAL YEAR	SHEET NO	TOTAL SHEETS

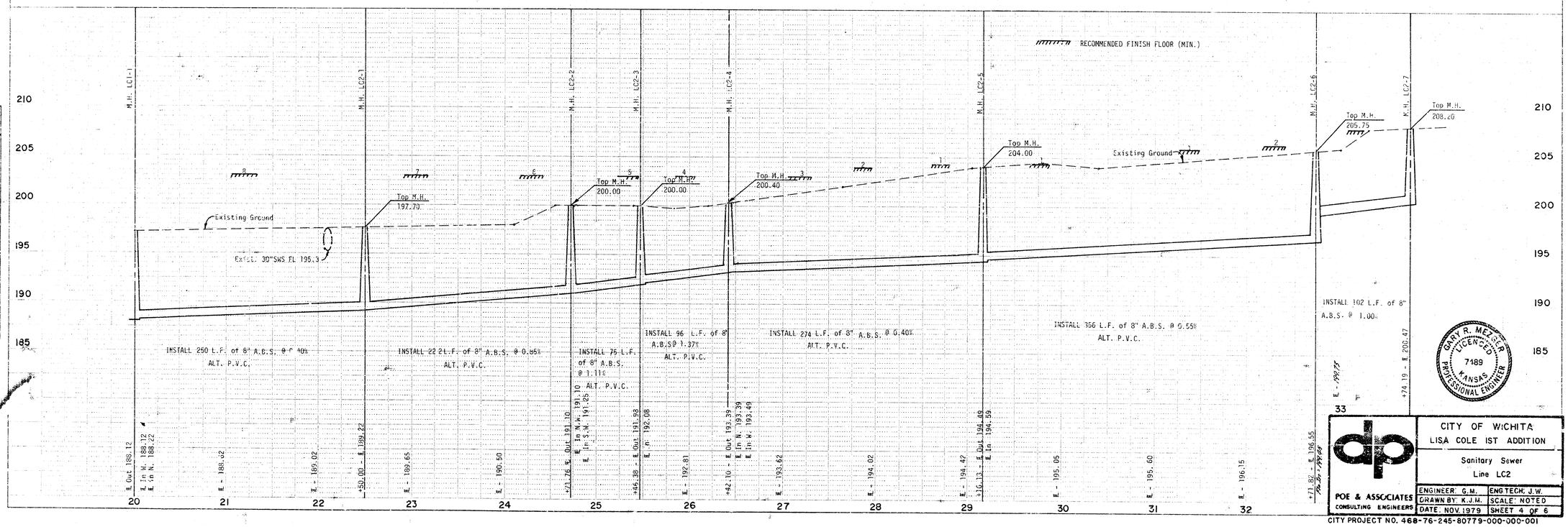
PLAN	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	DRAWN: CHECKED:	BY
NO.	MACHINE:	
	STRUCTURE NO. & TYPE CHKD.	

PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	DRAWN: CHECKED:	BY
NO.	MACHINE:	
	STRUCTURE NO. & TYPE CHKD.	



LINE LC2

B.M.-City of Wichita bench mark disk located 28' East of the ℄ Rock Rd. and 51' North of the ℄ of tracks of the San Francisco R.R. ELEV. 199.701



GARY R. MEYER LICENSED 7189 KANSAS PROFESSIONAL ENGINEER

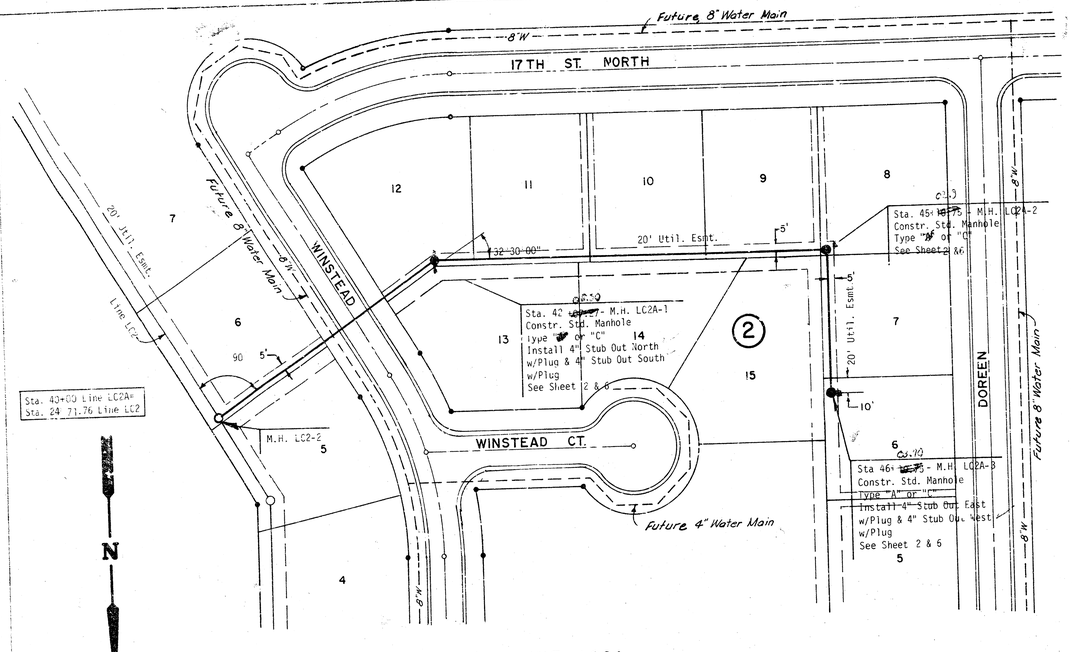
POE & ASSOCIATES CONSULTING ENGINEERS	CITY OF WICHITA
	LISA COLE IST ADDITION
	Sanitary Sewer
	Line LC2
ENGINEER: G.M.	ENG TECH: J.W.
DRAWN BY: K.J.M.	SCALE: NOTED
DATE: NOV. 1979	SHEET 4 OF 6

CITY PROJECT NO. 468-76-245-80779-000-000-001

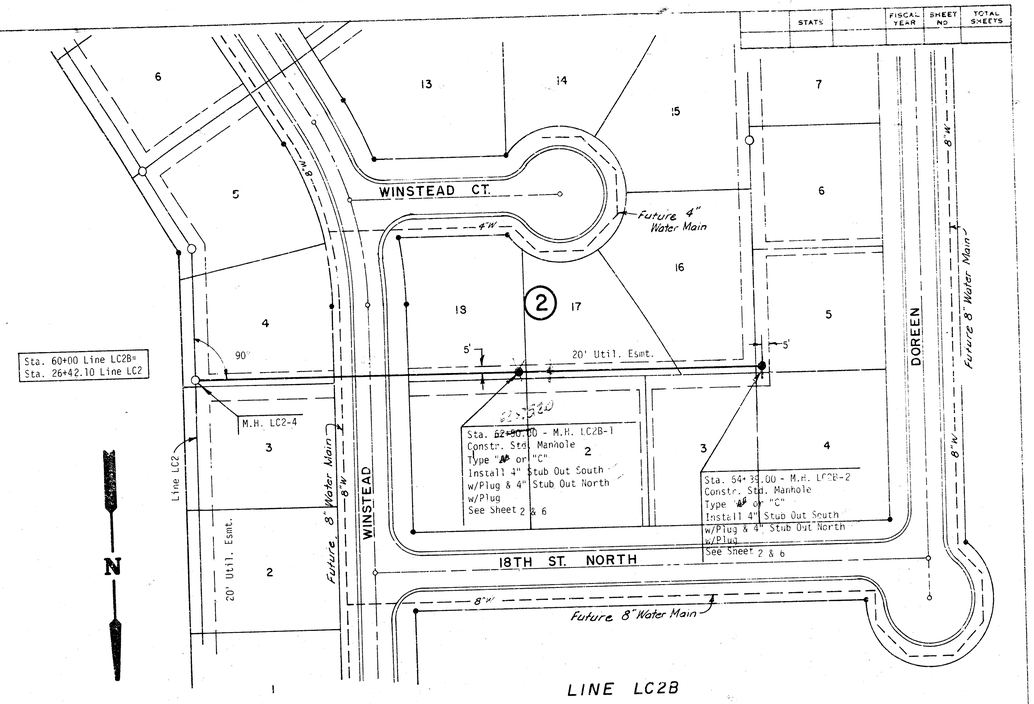
STATS		FISCAL YEAR	SHEET NO	TOTAL SHEETS

PLAN — SURVEYED / DESIGNED / DRAWN / CHECKED / QUANTITIES CHECKED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / NOTE BOOK / NO. / DATE / BY

PROFILE — SURVEYED / DESIGNED / DRAWN / CHECKED / QUANTITIES CHECKED / IS MAS ROTED / STRUCTURE NOTE TING CHECKED / NOTE BOOK / NO. / DATE / BY



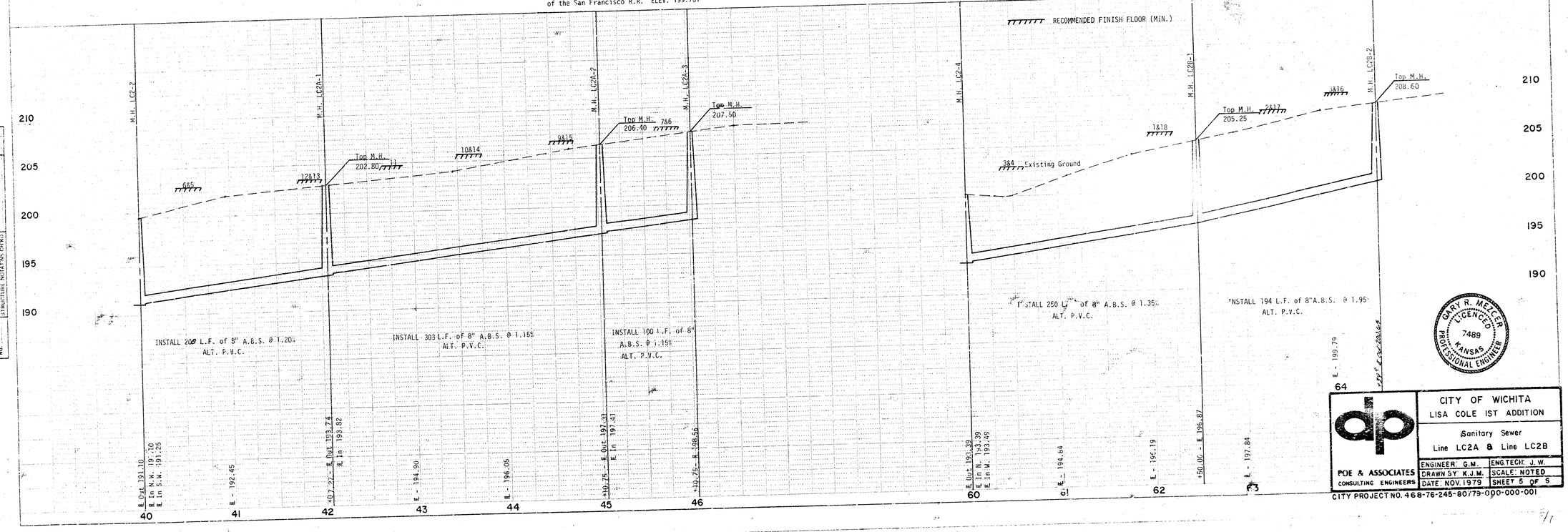
LINE LC2A



LINE LC2B

B.M.-City of Wichita bench mark disk located 28' East of the ℄ Rock Rd. and 51' North of the ℄ of tracks of the San Francisco R.R. ELEV. 199.701

scale 50 0 50 100 feet

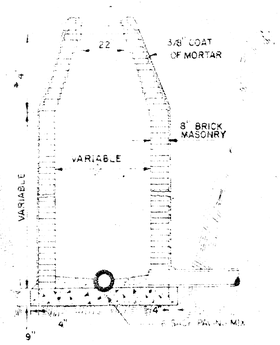


GARY R. MEZGER LICENCED 7489 KANSAS PROFESSIONAL ENGINEER

POE & ASSOCIATES CONSULTING ENGINEERS	CITY OF WICHITA
	LISA COLE IST ADDITION
	Sanitary Sewer
	Line LC2A & Line LC2B
ENGINEER: G.M.	ENGTECH: J.W.
DRAWN BY: K.J.M.	SCALE: NOTED
DATE: NOV. 1979	SHEET 5 OF 5

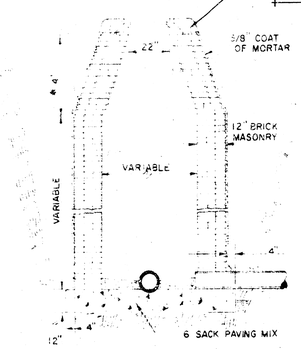
CITY PROJECT NO. 468-76-245-80179-000-000-001

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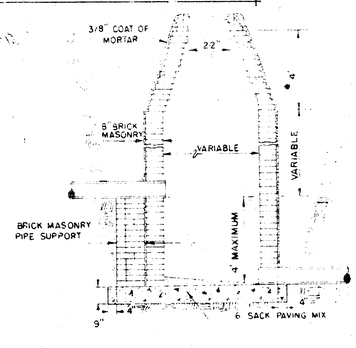


STANDARD MANHOLE
TYPE "A"

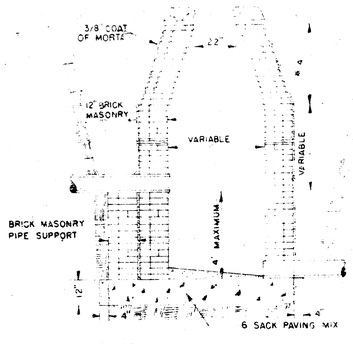
* DRAW = 6' ON 5' DIA. M.H.



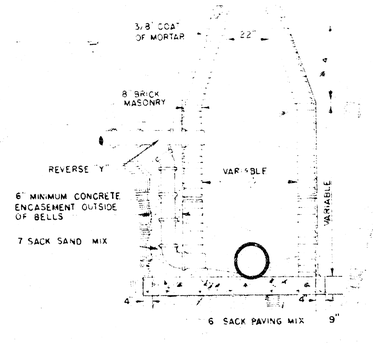
STANDARD MANHOLE
TYPE "B"



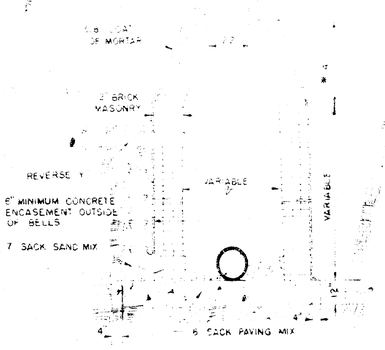
DROP MANHOLE
TYPE "A"



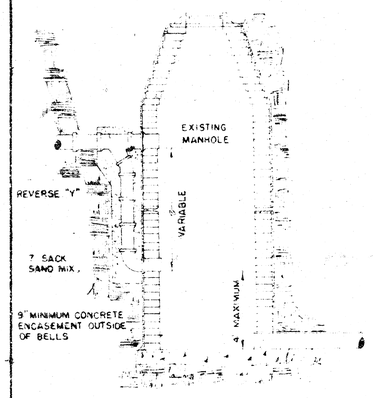
DROP MANHOLE
TYPE "B"



OUTSIDE DROP MANHOLE
TYPE "A"



OUTSIDE DROP MANHOLE
TYPE "B"



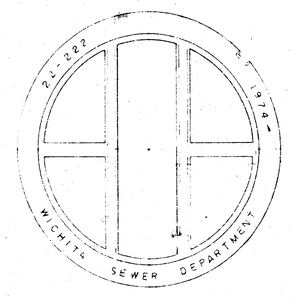
DETAIL OF DROP STACK

FOR EXISTING MANHOLES IN GROUND WATER

GENERAL NOTES

- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.
- STANDARD MANHOLES TYPE A OR TYPE B AND STANDARD DROP MANHOLES TYPE A OR TYPE B SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE. MANHOLES WITH PIPE SIZES LARGER THAN 24" SHALL BE 5' DIAMETER.
- THE FLOORS OF ALL MANHOLES SHALL BE SHAPED TO INCREASE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.
- PIPES INSTALLED WITHIN THE MANHOLE EXCAVATION SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. COST OF CRADLE WITHIN MANHOLE EXCAVATION SHALL BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.

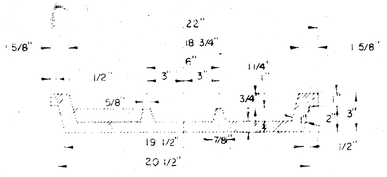
NOTE: REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES 6" ABOVE THE BOTTOM. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE COST OF REINFORCING STEEL IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.



TOP VIEW

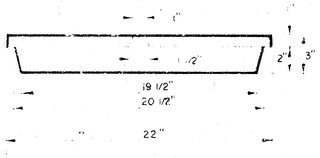
MANHOLE COVER

WEIGHT 110 LBS.



SECTION A-A

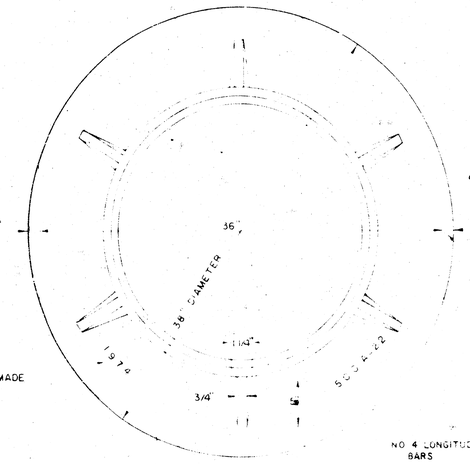
MANHOLE COVER



SIDE VIEW

MANHOLE COVER

YEAR CASTING IS MADE

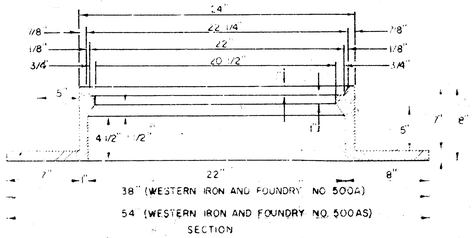


TOP VIEW

MANHOLE RING

WEIGHT 325 LBS. RING NO. 500A

WEIGHT 800 LBS. RING NO. 500AS



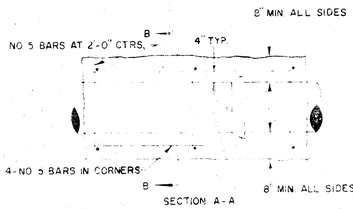
38" (WESTERN IRON AND FOUNDRY NO. 500A)

54 (WESTERN IRON AND FOUNDRY NO. 500AS)

SECTION

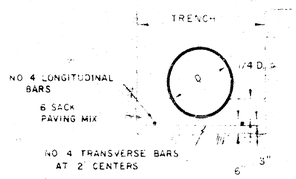
MANHOLE RING

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

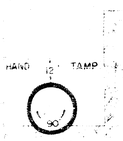


REINFORCED CONCRETE ENCASEMENT

THIS PORTION OF FLANGE MAY BE OMITTED



DETAIL OF CONCRETE CRADLE



ORDINARY BEDDING METHOD

STORM SEWER PIPE

REVISED 4-13-77

DETAILS OF

SEWER APPURTENANCES

ADOPTED AS STANDARD DESIGN

BY

ENGINEERING DIVISION

CITY OF WICHITA, KANSAS

R. W. LINN CITY ENGINEER

1974

City of Wichita Sanitary Sewer Project No. 468-76-245-80779-000-000-001

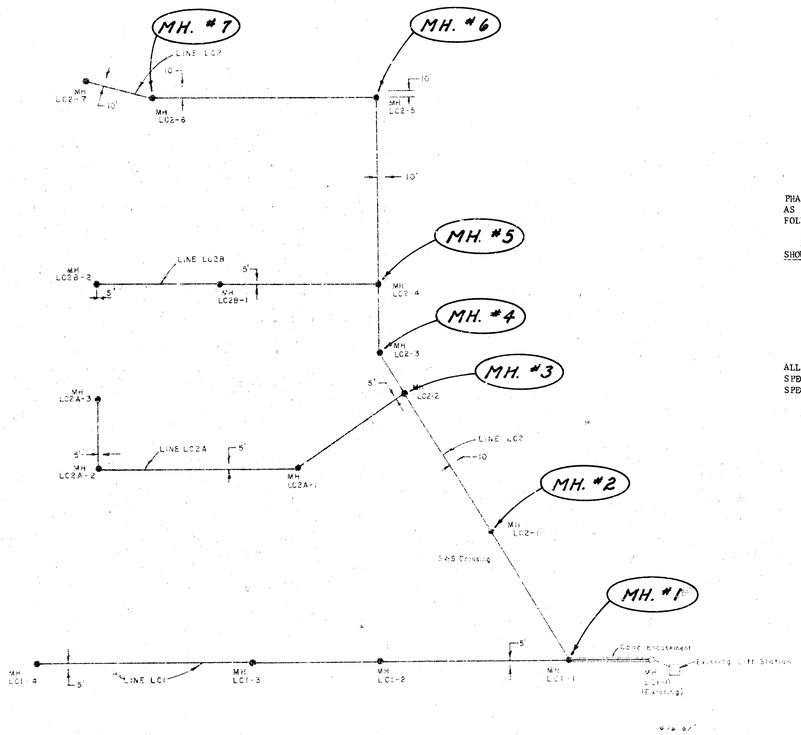
LISA COLE 1st ADDITION SHEET 6 OF 6

LAT 13, MAIN 20, WAR INDUSTRIES SEWER, PHASE II

PROJ. NO. 468-76-245-80779-000-000-001

CITY OF WICHITA, KANSAS

R.W. BRUGGEMAN – DIRECTOR OF ENGINEERING / CITY ENGINEER



PHASE II WORK ON THIS PROJECT CONSISTS OF ADJUSTING THE TOPS OF MANHOLES BUILT AS PHASE I OF THIS PROJECT TO MATCH FINISHED GRADE AS INDICATED IN THE FOLLOWING TABLE.

MANHOLE NUMBER AS SHOWN ON LOCATION MAP	PHASE I STATIONING AND LINE NUMBER	REQUIRED ADJUSTMENT IN FEET
1	1+13.6 LINE LC1	RAISE 2.40 FT.
2	22+50.4 LINE LC2	RAISE 3.33 FT.
3	24+70.4 LINE LC2	RAISE 1.33 FT.
4	25+46.0 LINE LC2	RAISE 1.93 FT.
5	26+40.1 LINE LC2	RAISE 2.50 FT.
6	29+12.2 LINE LC2	RAISE 4.33 FT.
7	32+63.3 LINE LC2	RAISE 4.00 FT.

ALL OF THIS WORK SHALL BE COMPLETED IN CONFORMANCE WITH THE REQUIREMENTS SPECIFIED IN THE SECTION TITLED "MANHOLES ADJUSTED" OF THE STANDARD SEWER SPECIFICATIONS.

LISA COLE 1ST. ADDITION

N

100 0 100 200
Scale Feet

dp	CITY OF WICHITA
	LISA COLE 1ST ADDITION
	LAYOUT MAP
DUANE POE & ASSOCIATES CONSULTANT ENGINEER	DESIGN: DRAWN BY: CHECKED BY: DATE: SCALE: 1" = 100'

City Project No. 468-76-245-80779-000-000-001

5 5