TOBEN SECOND ADDITION

LATERAL 55, SANITARY SEWER NO. 23

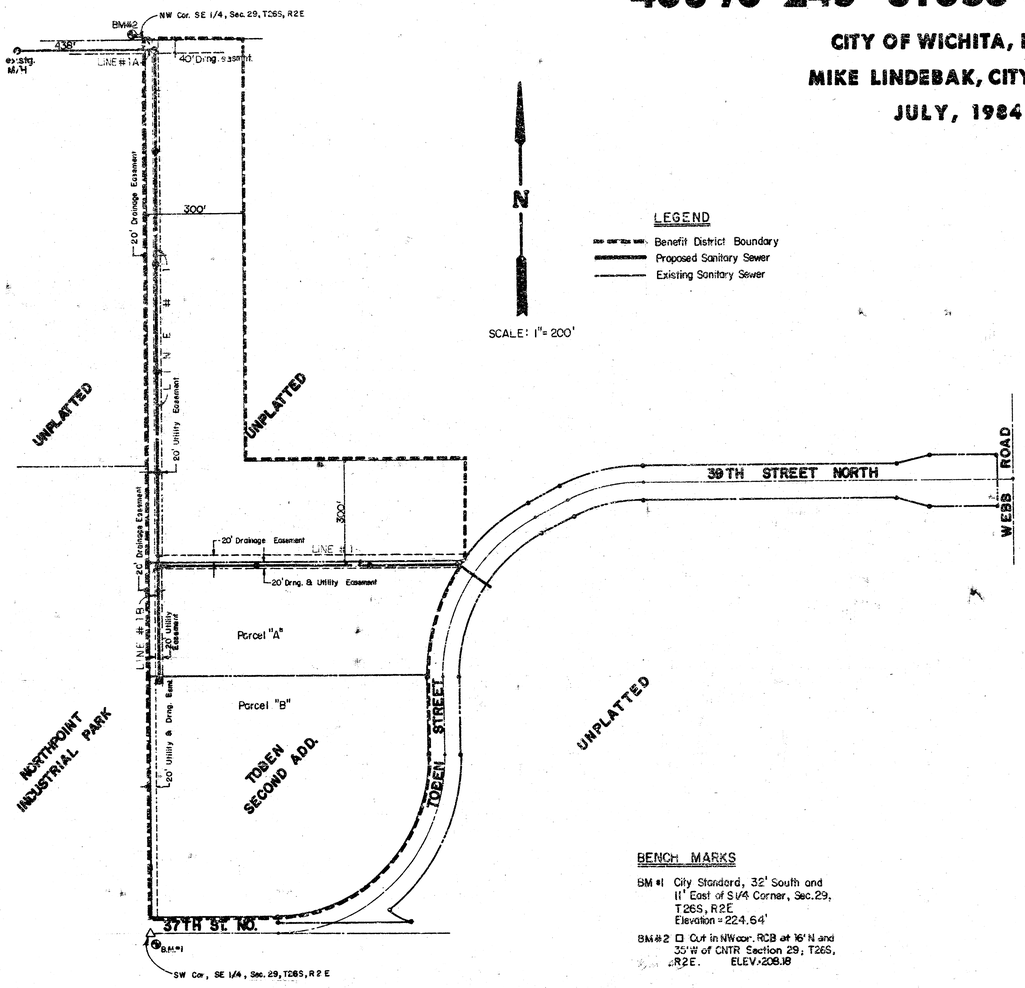
PROJECT NO.

468-76-245 · 81358-000-000-001

CITY OF WICHITA, KANSAS

MIKE LINDEBAK, CITY ENGINEER

JULY, 1984



N

SCALE: 1"= 200'

LEGEND

- Benefit District Boundary
- Proposed Sanitary Sewer
- Existing Sanitary Sewer

BENCH MARKS

BM #1 City Standard, 32' South and 11' East of S1/4 Corner, Sec. 29, T26S, R2E
Elevation = 224.64'

BM #2 □ Cut in NW cor. RCB at 16' N and 35'W of CNTR Section 29; T26S, R2E. ELEV.=209.18

D's Built
9-4
2-85

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

2. TREES TO BE REMOVED ARE INDICATED ON PLANS; HOWEVER, ANY TREE WHICH CAN BE SAVED, AS DETERMINED BY THE FIELD ENGINEER, SHALL NOT BE REMOVED.

3. A PORTION OF EXCESS EXCAVATED MATERIAL SHALL BE MOUNDED AROUND MANHOLES WHICH EXTEND MORE THAN ONE (1) FOOT ABOVE THE EXISTING GROUND. SUCH MOUNDS SHALL BE CONSTRUCTED WITH A SIX (6) FEET DIAMETER FLAT TOP WITH 4 TO 1 SIDE SLOPES DOWN TO THE ORIGINAL GROUND. THE ELEVATION OF THE FLAT TOP OF THE MOUND SHALL BE 0.4 FOOT BELOW THE TOP OF THE MANHOLE.

INDEX:

1 ... TITLE SHEET
2 ... PLAN/PROFILE - LINE 1 and 1A
3 ... PLAN/PROFILE - LINE 1 and 1B
4 ... PLAN/PROFILE - LINE 1
5,6,7. TYPICAL SHEETS - STD. TYPE A, C, and D MANHOLES
8 ... TOBEN 2ND ADDN. PLAT

MICHAEL D. HARDING — LICENSED — 9399 — KANSAS — PROFESSIONAL ENGINEER

FRANK BERTON NELSON — LICENSED — 9130 — KANSAS — PROFESSIONAL ENGINEER

LATERAL 55 SANITARY SEWER #23

TOBEN SECOND ADD.

Design: FN
Drawn by: DR
Checked by: MDH
Date: 7-26-84
Job no.

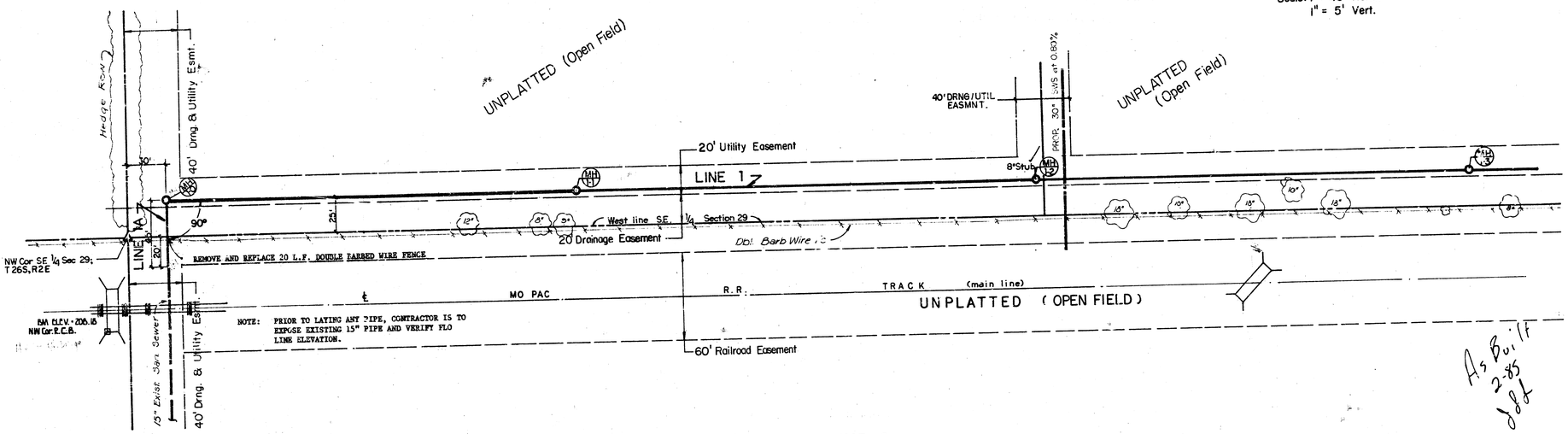
MID-KANSAS ENGINEERING CONSULTANTS PA
240 NORTH ROCK ROAD
SUITE 130
WICHITA, KANSAS 67206
682-6561

Sheet 1 of 8

TOBEN SECOND ADDITION
LAT 55 SAN SWR NO. 23
468 76 245 81358 000 000 001

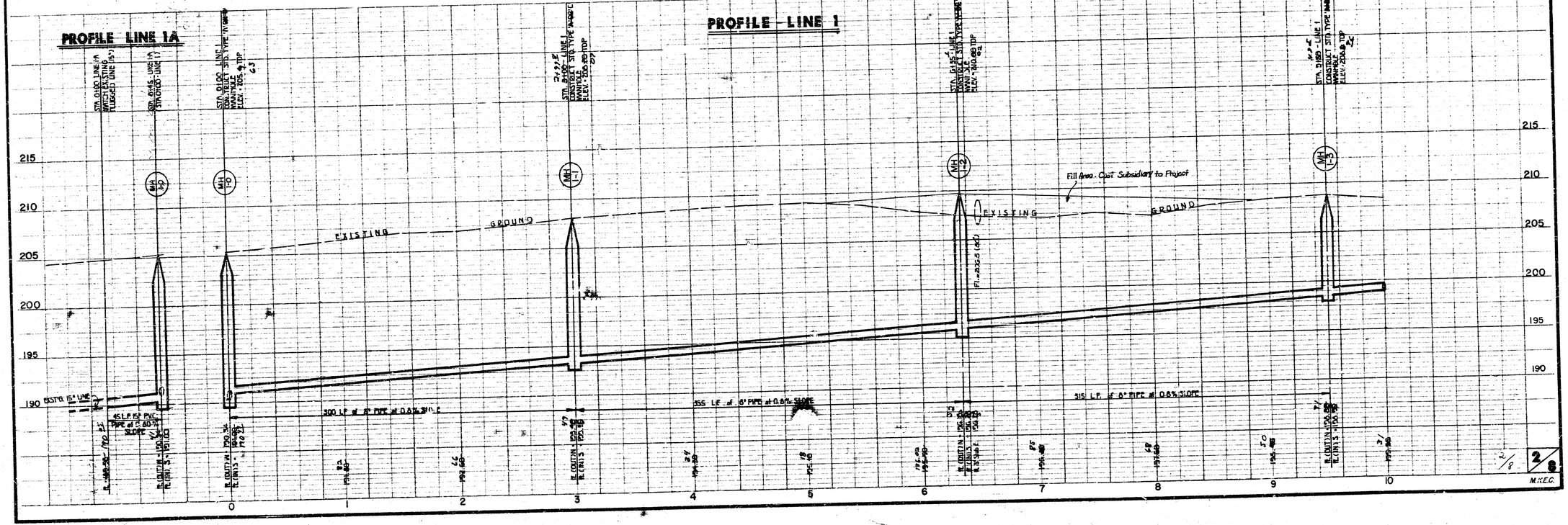
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Scale: 1" = 40' Horiz.
1" = 5' Vert.



As Built
2-85
JBL

PLAN - LINE 1
PLAN - LINE 1A

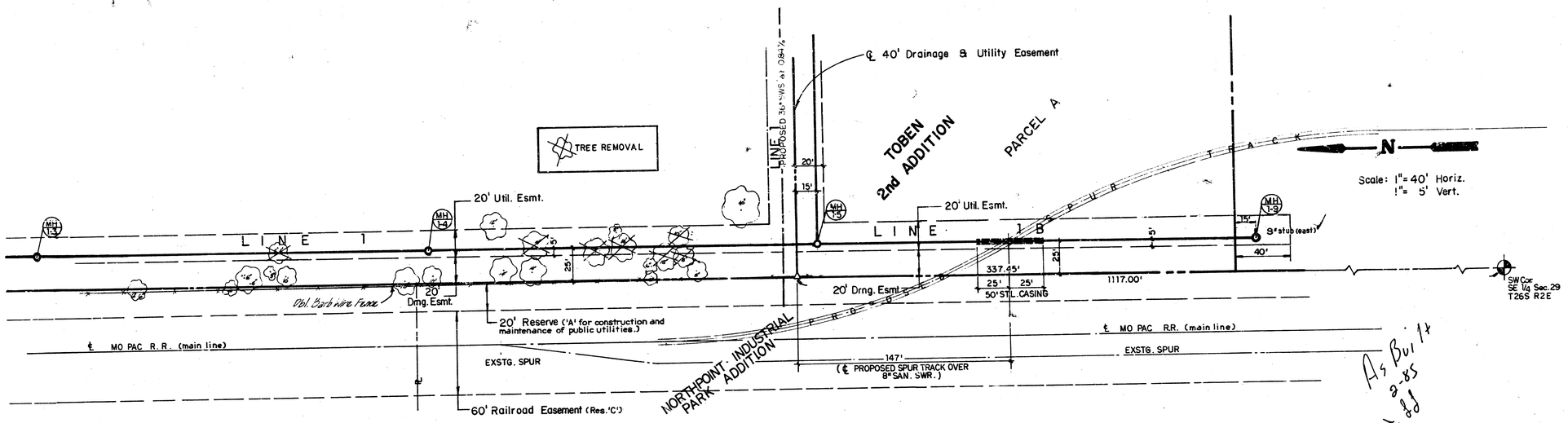


2/8

M.K.E.C.

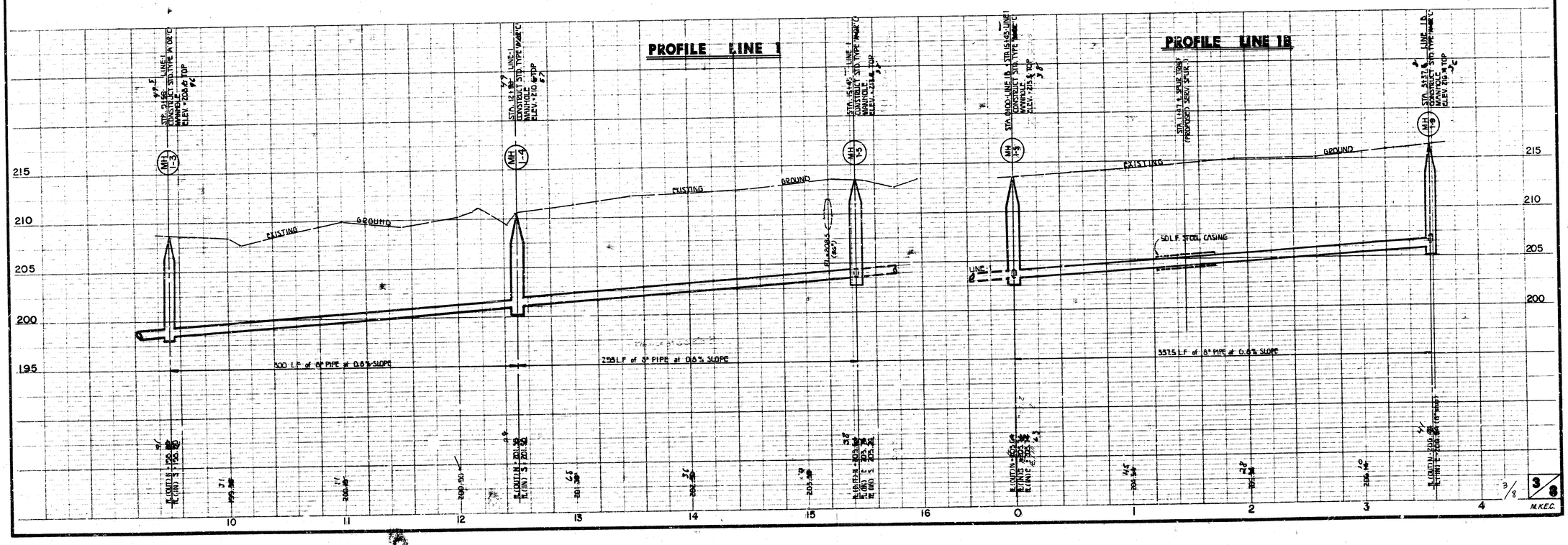
2
8

TOBEN SECOND ADDITION
LAT 55 SAN SWR NO. 23
468 76 245 81358 000 000 001



PLAN – LINE 1

PLAN – LINE 1B



3/8

M.K.E.C.

TOBEN SECOND ADDITION
LAT 55 SAN SWR NO 23
468 76 245 81358 000 000 001

N

Scale 1"=40' horiz.
1"= 5' vert.

As Built

INSTALL 30' - 8" STUB NORTH AND PLUG.

INSTALL 30' - 8" STUB NORTH AND PLUG.

UNPLATTED (Open Field)

UNPLATTED (Open Field)

20' Drainage Easement

30' Utility Easement

25'

20'

20'

90°

20' Util. easmnt.

10'

8" Stub

15'

8" Stub

LINE 1

PROPOSED 36" SW5 at 0.84% Slope

20' DRAINAGE EASEMNT

20' Util. easmnt.

30' typ.

8" Stub

8" Stub

20' UTILITY EASMNT

LINE 19

Toben 2nd Addition

Toben 2nd Addition

100'

130'

TOBEN ST.

8" Plug

20'x20' Utility Easement

NOTE: City of Wichita AIR TEST and TELEVISION TEST of new line shall be satisfactorily completed PRIOR TO backfilling at sta. 25+97.5

PLAN LINE 1

PROFILE LINE 1

STA. 15+14.20 LINE 1 CONSTRUCT STD. TYPE MANHOLE RIM ELEV. 215.8 TOP

STA. 16+70.8 LINE 1 CONSTRUCT STD. TYPE MANHOLE RIM ELEV. 216.6 TOP

STA. 22+18.2 LINE 1 CONSTRUCT STD. TYPE MANHOLE RIM ELEV. 222.6 TOP

STA. 24+77.5 LINE 1 CONSTRUCT STD. TYPE MANHOLE RIM ELEV. 224.4 TOP

STA. 25+97.5 LINE 1 INSTALL 8" PLUG

MH 1-8

MH 1-8

MH 17

MH 1-8

230
225
220
215
210
205
200

EXISTING GROUND

EXISTING GROUND

157 L.F. of 8" PIPE at 0.8% SLOPE

550 L.F. of 8" PIPE at 0.8% SLOPE

767.5 L.F. of 8" PIPE at 0.8% SLOPE

70 L.F. of 8" PIPE at 0.4% SLOPE

15+43 16 17 18 19 20 21 22 23 24 25

4/8

M.K.E.C.

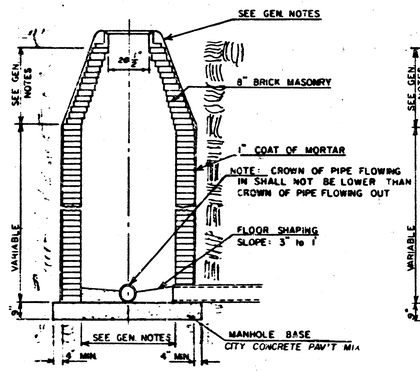
SEWER APPURTENANCES DETAILS

REVISED SEPTEMBER 1980
REVISED DECEMBER 1981

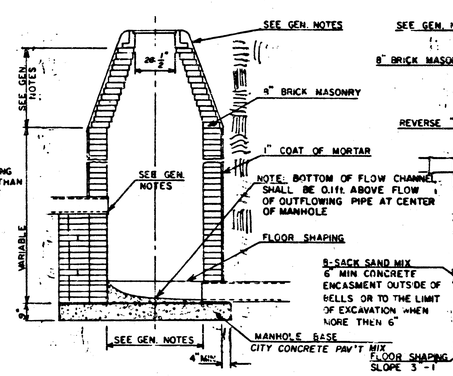
ADOPTED AS STANDARD DESIGN
BY

CITY of WICHITA, KANSAS

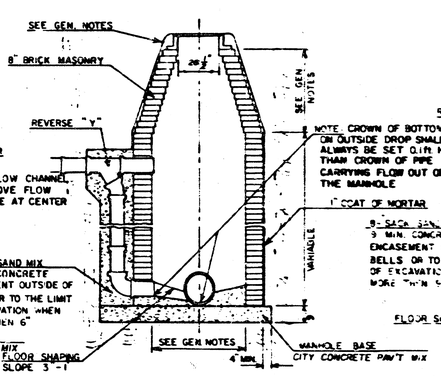
TYPE "A" MANHOLE



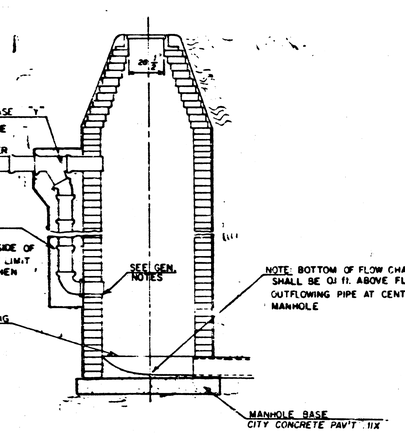
TYPE "A" INSIDE DROP MANHOLE



TYPE "A" OUTSIDE DROP MANHOLE



DETAIL OF OUTSIDE DROP
CONSTRUCTED ON EXISTING MANHOLE



GENERAL NOTES

1. MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE PAVEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RING AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. TYPE "A" MANHOLES CAN BE USED ON SEWERS UP TO 16' IN DEPTH WHEN THE MANHOLE IS NOT LOCATED WITHIN PUBLIC STREET PAVEMENT. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE SMALLER THAN 24" SHALL HAVE AN INSIDE DIAMETER OF 4'. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE 24" OR LARGER SHALL HAVE AN INSIDE DIAMETER OF 5'. THE HEIGHT OF THE CORBELS ON 4' DIAMETER MANHOLES SHALL BE 4'. MANHOLES HAVING A DIAMETER OF 5' SHALL HAVE CORBELS 6' IN HEIGHT. COMPLTED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.

2. REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES AND SHALL CONSIST OF NO.4 BARS PLACED 6" CENTERS IN BOTH DIRECTIONS. THE MANHOLE BASE REINFORCEMENT SHALL BE PLACED 6" ABOVE THE BOTTOM OF THE MANHOLE BASE. ALL COSTS FOR FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.

3. OPENINGS SHALL BE CUT INTO THE MANHOLE WALL WHEN OUTSIDE DROPS ARE CONSTRUCTED ON EXISTING MANHOLES. SUCH OPENINGS CUT INTO EXISTING MANHOLES SHALL BE AS SMALL AS PRACTICAL TO FACILITATE INSTALLING AND GROUTING THE NEW PIPE IN PLACE. WATERSTOP GASKETS SHALL BE USED WITH P.V.C. AND A.B.S. COMPOSITE PIPE. THE NEW PIPE SHALL BE GROUTED INTO THE OPENING USING AN APPROVED NONSHRINK GROUT FOR THE FULL MANHOLE WALL THICKNESS. THE EXTERIOR OF THE COMPLETED CONNECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH THAT THE CONNECTION WILL BE WATER TIGHT. FLOOR OF MANHOLE SHALL BE MODIFIED TO FORM NEW FLOW CHANNEL FOR THE NEW CONNECTION AS INDICATED BY THE DRAWING. THE VERTICAL DROP FROM THE LOWER PIPE ON SUCH OUTSIDE DROP CONNECTIONS SHALL NOT EXCEED 4' FOR INFLOWING PIPES SIZED 12" OR SMALLER AND 2' FOR INFLOWING PIPES SIZED LARGER THAN 12", EXCEPT THE CROWN OF THE LOWER PIPE SHALL NEVER BE SET BELOW THE CROWN OF ANY LARGER OUTFLOWING PIPE. THIS WORK, INCLUDING MODIFICATION OF MANHOLE FLOOR, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR OUTSIDE DROP STACK CONSTRUCTED ON EXISTING MANHOLE.

4. THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF CLEANING AND FREE OF AREAS WHERE SOLUTION COULD BE DEPOSITED AS SEWAGE FLOWS THROUGH THE MANHOLE FROM ALL INLET PIPES TO THE OUTLET PIPE. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE AS SHOWN BY THE DRAWINGS EXCEPT FOR INSIDE DROP MANHOLES. FLOW CHANNELS FOR INSIDE DROP MANHOLES SHALL BE CONSTRUCTED AS INDICATED BY THE DRAWING. MANHOLE FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS. PIPES LAID THROUGH MANHOLES SHALL HAVE THE TOP HALF REMOVED TO NEAT LINES FOR THE FULL INSIDE DIAMETER OF THE MANHOLE. MANHOLE FLOORS SHALL THEN BE SHAPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.

5. PIPES INSTALLED WITHIN THE EXCAVATION MADE FOR THE MANHOLE SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. WHEN CLAY PIPE IS USED, THE CRADLE SHALL EXTEND TO THE FIRST JOINT OUTSIDE THE MANHOLE. THE CRADLE SHALL BE TERMINATED AT THE CLAY PIPE JOINT IN A MANNER WHICH WILL MAINTAIN THE FLEXIBILITY OF THE JOINT. COST OF THE CRADLE WITHIN MANHOLE EXCAVATION OR TO CLAY PIPE JOINTS ADJACENT TO MANHOLE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.

6. MANHOLE COVER CASTINGS AND MANHOLE FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWING.

7. THE VERTICAL DROP IN INSIDE DROP MANHOLES SHALL NOT EXCEED 4' FOR INFLOWING PIPES SIZED 12" OR SMALLER AND 2' FOR INFLOWING PIPES LARGER THAN 12". THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.

8. STANDARD MANHOLES TYPE "A" AND STANDARD INSIDE DROP MANHOLES TYPE "A" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES TYPE "A" SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.

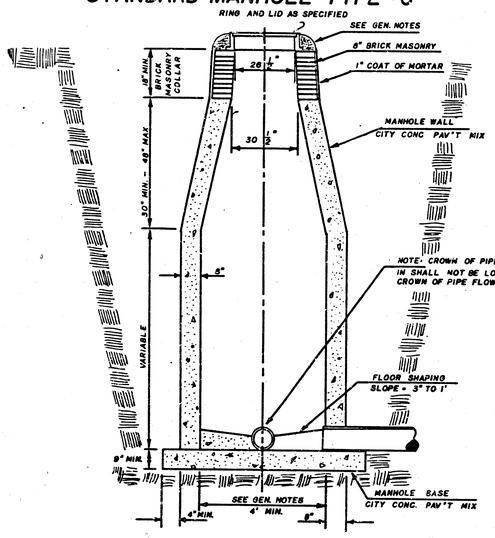
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SEWER APPURTENANCES DETAILS

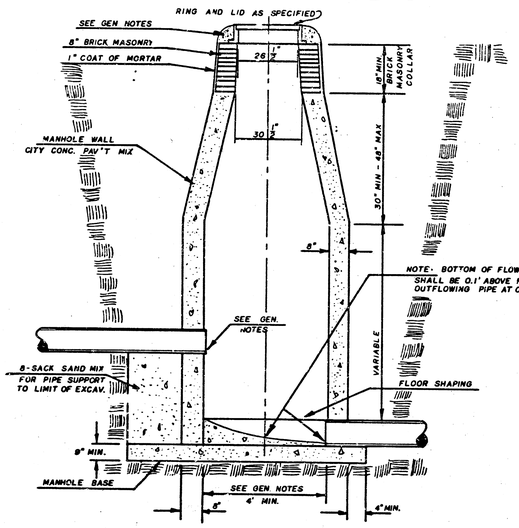
ADOPTED AS STANDARD DESIGN
BY

City of Wichita, Kansas

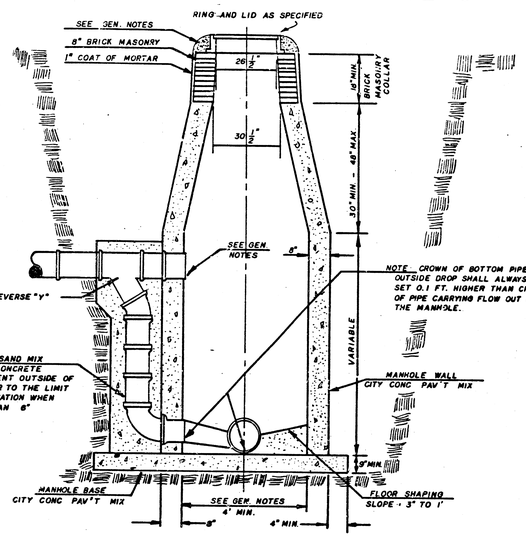
STANDARD MANHOLE TYPE "C"



INSIDE DROP MANHOLE TYPE "C"



OUTSIDE DROP MANHOLE TYPE "C"



GENERAL NOTES

1. MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE WALLS AND BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE PAVEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RING AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. TYPE "C" MANHOLES CAN BE CONSTRUCTED ONLY WHERE PIPE SIZES ARE 8" OR SMALLER. THE INSIDE DIAMETER OF TYPE "C" MANHOLES SHALL BE 4'. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.

2. REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASE. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. REINFORCING STEEL SHALL BE PLACED 6" ABOVE THE BOTTOM OF THE MANHOLE BASE. COST OF FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.

3. AN OPENING SHALL BE CUT IN THE MANHOLE WALL FOR THE UPPER INLET PIPE FOR INSIDE AND OUTSIDE DROP MANHOLES. THE UPPER INLET PIPE SHALL BE GROUTED INTO THIS OPENING WITH NON-SHRINK GROUT. THE EXTERIOR OF THIS COMPLETED CONNECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH THAT THE CONNECTION WILL BE WATER TIGHT.

4. THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF CLEANING AND FREE OF AREAS WHERE SOLIDS COULD BE DEPOSITED AS SEWAGE FLOWS THROUGH THE MANHOLE FROM ALL INLET PIPES TO THE OUTLET PIPE. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE AS SHOWN BY THE DRAWINGS EXCEPT FOR INSIDE DROP MANHOLES. FLOW CHANNELS FOR INSIDE DROP MANHOLES SHALL BE CONSTRUCTED AS INDICATED BY THE DRAWING. MANHOLE FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS. PIPES LAID THROUGH MANHOLE SHALL HAVE THE TOP HALF REMOVED TO NEAT LINES FOR THE FULL INSIDE DIAMETER OF THE MANHOLE. MANHOLE FLOORS SHALL THEN BE SHAPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.

5. PIPES INSTALLED WITHIN THE EXCAVATION MADE FOR THE MANHOLE SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. WHEN CLAY PIPE IS USED, THE CRADLE SHALL EXTEND TO THE FIRST JOINT OUTSIDE THE MANHOLE. THE CRADLE SHALL BE TERMINATED AT THE CLAY PIPE JOINT IN A MANNER WHICH WILL MAINTAIN THE FLEXIBILITY OF THE JOINT. COST OF CRADLE WITHIN MANHOLE EXCAVATION OR TO CLAY PIPE JOINTS ADJACENT TO MANHOLE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.

6. MANHOLE COVER CASTINGS AND MANHOLE FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWING.

7. THE VERTICAL DROP IN INSIDE DROP MANHOLES SHALL NOT EXCEED 4' FOR INFLOWING PIPES SIZED 12" OR SMALLER AND 2' FOR INFLOWING PIPES LARGER THAN 12". THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.

8. STANDARD MANHOLES TYPE "C" AND STANDARD INSIDE 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 4' UNLESS INDICATED OTHERWISE.

JNL JAN. 1982

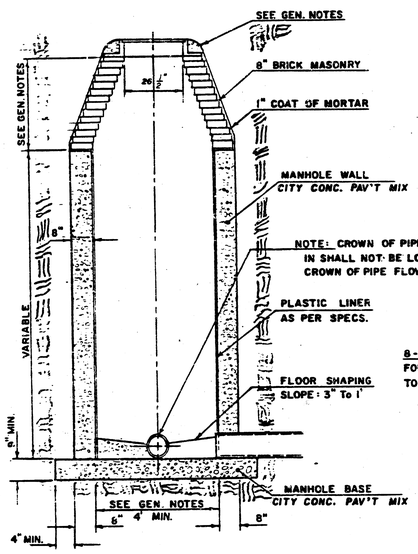
6/8 6/8

SEWER APPURTENANCES DETAILS

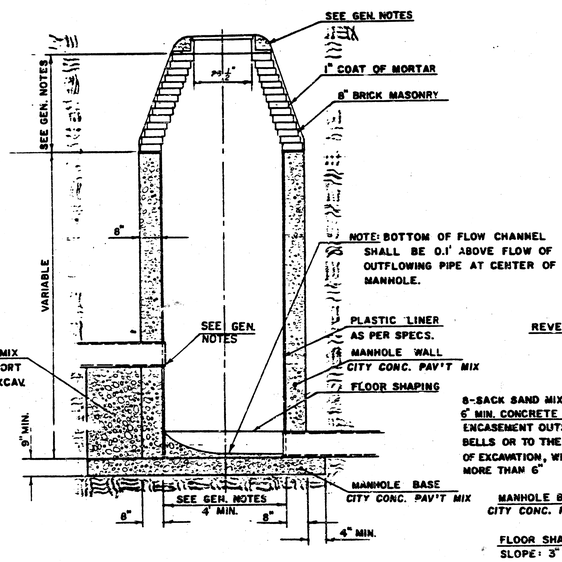
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CITY OF WICHITA, KANSAS

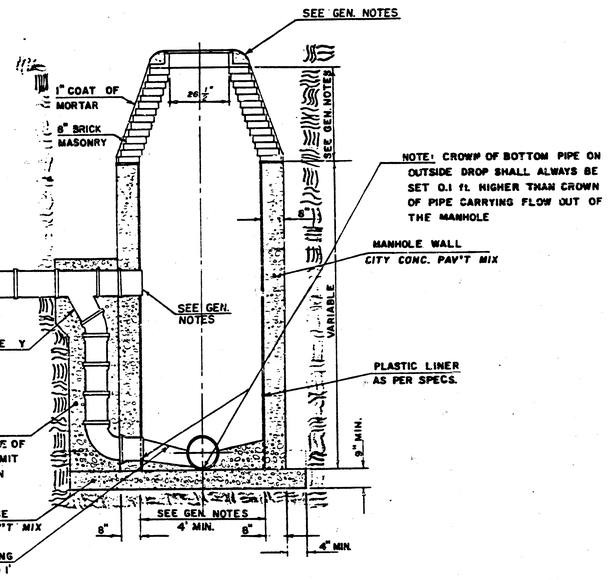
TYPE "D" MANHOLE



TYPE "D" INSIDE DROP MANHOLE



TYPE "D" OUTSIDE DROP MANHOLE



GENERAL NOTES

1. MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE WALLS AND BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE PAVEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RING AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. PLASTIC LINING INSIDE THE MANHOLE SHALL CONFORM TO THE REQUIREMENTS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR PLASTIC LINING FOR REINFORCED CONCRETE PIPE FOR SANITARY SEWER CONSTRUCTION. ALL INSIDE SURFACES OF THE MANHOLE WALL WHICH WOULD BE EXPOSED TO SEWER GAS SHALL BE PROTECTED BY THE PLASTIC LINING. TYPE "D" MANHOLES MAY BE USED ON PIPE SIZES 10" TO 36" WHEN THE MANHOLE DEPTH EXCEEDS THE REQUIRED CORBEL HEIGHT BY 1' PLUS THE OUTSIDE DIAMETER OF THE LARGEST PIPE IN THE MANHOLE. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE SMALLER THAN 24" SHALL HAVE A DIAMETER OF 4'. MANHOLES CONSTRUCTED WHERE THE PIPE SIZES ARE 24" OR LARGER SHALL HAVE A DIAMETER OF 5'. THE HEIGHT OF THE CORBELS ON 4' DIAMETER MANHOLES SHALL BE 4' MANHOLES HAVING A DIAMETER OF 5' SHALL HAVE CORBELS 6' IN HEIGHT. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.

2. REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASE. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. REINFORCING STEEL SHALL BE PLACED 6" ABOVE THE BOTTOM OF THE MANHOLE BASE. COST OF FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.

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4. THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF CLEANING AND FREE OF AREAS WHERE SOLIDS COULD BE DEPOSITED AS SEWAGE FLOWS THROUGH THE MANHOLE FROM ALL INLET PIPES TO THE OUTLET PIPE. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE AS SHOWN BY THE DRAWINGS EXCEPT FOR INSIDE DROP MANHOLES. FLOW CHANNELS FOR INSIDE DROP MANHOLES SHALL BE CONSTRUCTED AS INDICATED BY THE DRAWING. MANHOLE FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS. PIPES LAID THROUGH MANHOLES SHALL HAVE THE TOP HALF REMOVED TO NEAT LINES FOR THE FULL INSIDE DIAMETER OF THE MANHOLE. MANHOLE FLOORS SHALL THEN BE SHAPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.

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REVISED JAN. 1982 7/8

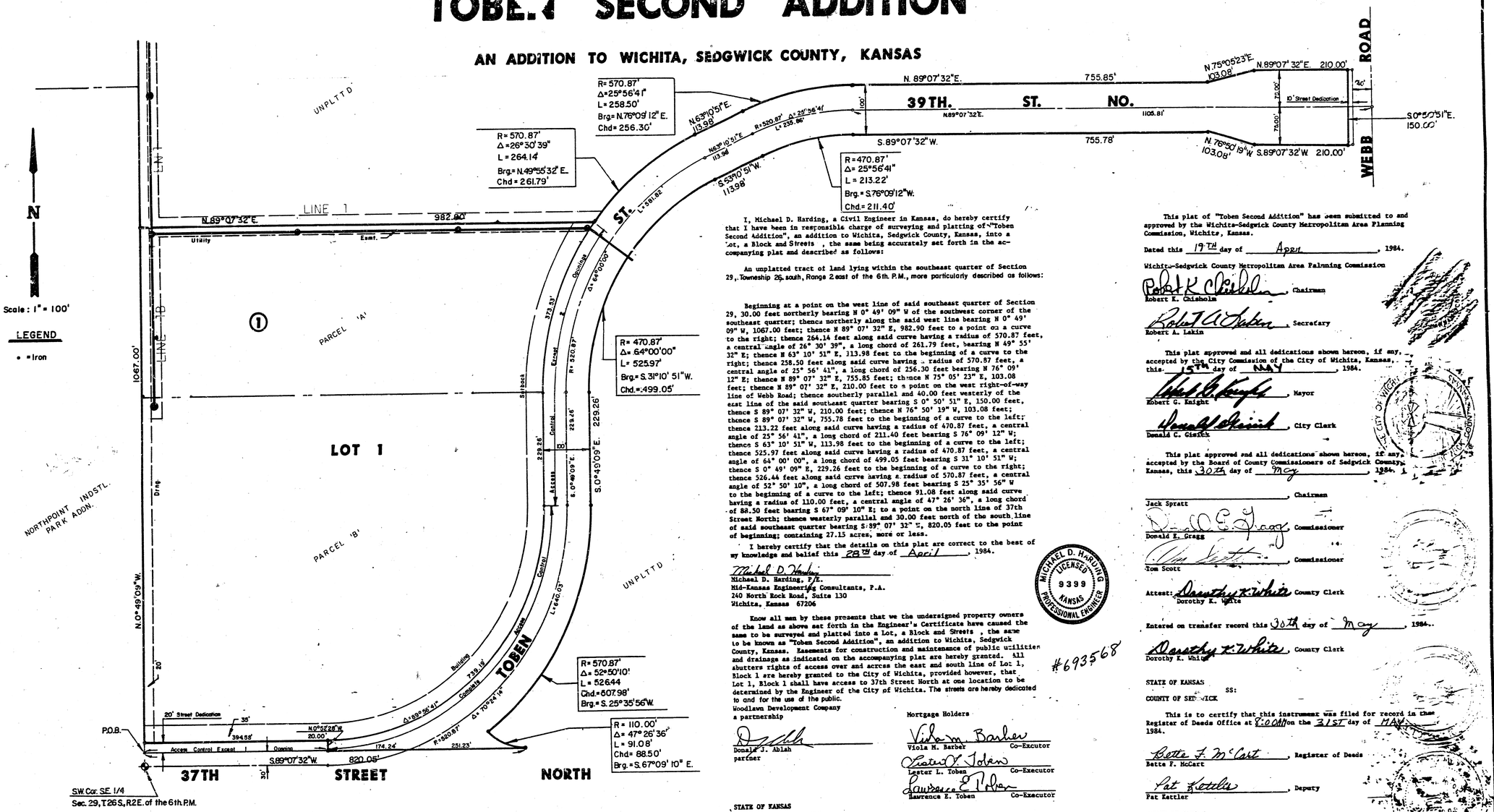
JUNE, 1980 **7/8**

S-3 6-32

FINAL PLAT OF

TOBEN SECOND ADDITION

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



I, Michael D. Harding, a Civil Engineer in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "Toben Second Addition", an addition to Wichita, Sedgwick County, Kansas, into a Lot, a Block and Streets, the same being accurately set forth in the accompanying plat and described as follows:

An unplatted tract of land lying within the southeast quarter of Section 29, Township 26 south, Range 2 east of the 6th P.M., more particularly described as follows:

Beginning at a point on the west line of said southeast quarter of Section 29, 30.00 feet northerly bearing N 0° 49' 09" W of the southwest corner of the southeast quarter; thence northerly along the said west line bearing N 0° 49' 09" W, 1067.00 feet; thence N 89° 07' 32" E, 982.90 feet to a point on a curve to the right; thence 264.14 feet along said curve having a radius of 570.87 feet, a central angle of 26° 30' 39", a long chord of 261.79 feet, bearing N 49° 55' 32" E; thence N 63° 10' 51" E, 113.98 feet to the beginning of a curve to the right; thence 258.50 feet along said curve having a radius of 570.87 feet, a central angle of 25° 56' 41", a long chord of 256.30 feet bearing N 76° 09' 12" E; thence N 89° 07' 32" E, 755.85 feet; thence N 75° 05' 23" E, 103.08 feet; thence N 89° 07' 32" E, 210.00 feet to a point on the west right-of-way line of Webb Road; thence southerly parallel and 40.00 feet westerly of the east line of the said southeast quarter bearing S 0° 50' 51" E, 150.00 feet, thence S 89° 07' 32" W, 210.00 feet; thence N 76° 50' 19" W, 103.08 feet; thence S 89° 07' 32" W, 755.78 feet to the beginning of a curve to the left; thence 213.22 feet along said curve having a radius of 470.87 feet, a central angle of 25° 56' 41", a long chord of 211.40 feet bearing S 76° 09' 12" W; thence S 63° 10' 51" W, 113.98 feet to the beginning of a curve to the left; thence 525.97 feet along said curve having a radius of 470.87 feet, a central angle of 64° 00' 00", a long chord of 499.05 feet bearing S 31° 10' 51" W; thence S 0° 49' 09" E, 229.26 feet to the beginning of a curve to the right; thence 526.44 feet along said curve having a radius of 570.87 feet, a central angle of 52° 50' 10", a long chord of 507.98 feet bearing S 25° 35' 56" W to the beginning of a curve to the left; thence 91.08 feet along said curve having a radius of 110.00 feet, a central angle of 47° 26' 36", a long chord of 88.50 feet bearing S 67° 09' 10" E; to a point on the north line of 37th Street North; thence westerly parallel and 30.00 feet north of the south line of said southeast quarter bearing S 89° 07' 32" W, 820.05 feet to the point of beginning; containing 27.15 acres, more or less.

I hereby certify that the details on this plat are correct to the best of my knowledge and belief this 28TH day of April, 1984.

Michael D. Harding
Michael D. Harding, P.E.
Mid-Kansas Engineering Consultants, P.A.
240 North Rock Road, Suite 130
Wichita, Kansas 67206

MICHAEL D. HARDING LICENSED 9399 KANSAS PROFESSIONAL ENGINEER

#693568

Know all men by these presents that we the undersigned property owners of the land as above set forth in the Engineer's Certificate have caused the same to be surveyed and platted into a Lot, a Block and Streets, the same to be known as "Toben Second Addition", an addition to Wichita, Sedgwick County, Kansas. Easements for construction and maintenance of public utilities and drainage as indicated on the accompanying plat are hereby granted. All abutters rights of access over and across the east and south line of Lot 1, Block 1 are hereby granted to the City of Wichita, provided however, that Lot 1, Block 1 shall have access to 37th Street North at one location to be determined by the Engineer of the City of Wichita. The streets are hereby dedicated to and for the use of the public.

Woodlawn Development Company
a partnership

Donald J. Ablah
partner

Mortgage Holders

Viola M. Barber
Viola M. Barber Co-Executor

Lester L. Toben
Lester L. Toben Co-Executor

Lawrence E. Toben
Lawrence E. Toben Co-Executor

STATE OF KANSAS
ss:
COUNTY OF SEDGWICK

Be it remembered that on this 1st day of May, 1984, before me, a Notary Public in and for said State and County, came Woodlawn Development Company, a partnership, by Donald J. Ablah, partner, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

Carolyn R. Dunn, Notary Public
CAROLYN R. DUNN
My Appointment Expires: My Appointment Expires May 20, 1985

This plat of "Toben Second Addition" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 19TH day of April, 1984.

Wichita-Sedgwick County Metropolitan Area Planning Commission

Robert K. Chisholm, Chairman

Robert A. Lakin, Secretary

This plat approved and all dedications shown hereon, if any, accepted by the City Commission of the City of Wichita, Kansas, this 15TH day of MAY, 1984.

Robert G. Knight, Mayor

Donald C. Gieck, City Clerk

This plat approved and all dedications shown hereon, if any, accepted by the Board of County Commissioners of Sedgwick County, Kansas, this 30th day of May, 1984.

Jack Spratt, Chairman

Donald E. Gragg, Commissioner

Tom Scott, Commissioner

Attest: Dorothy K. White, County Clerk
Dorothy K. White

Entered on transfer record this 30th day of May, 1984.

Dorothy K. White, County Clerk
Dorothy K. White

STATE OF KANSAS
SS:
COUNTY OF SEDGWICK

This is to certify that this instrument was filed for record in the Register of Deeds Office at 8:00AM on the 31ST day of MAY, 1984.

Bette F. McCart, Register of Deeds
Bette F. McCart

Pat Kettler, Deputy
Pat Kettler

STATE OF KANSAS
ss:
COUNTY OF SEDGWICK

Be it remembered that on this 1st day of May, 1984, before me, a Notary Public in and for said State and County, came Lester L. Toben, Viola M. Barber and Lawrence E. Toben, Co-Executors, to me personally known to be the same persons who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

Alma D. Gutierrez, Notary Public
Alma D. Gutierrez
My Appointment Expires: My Appointment Expires May 20, 1985

8/8

20.00

C-2 L.27

Restrictive Covenant F 660 Pg 1097

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