

C:\DCAP\WICHITA-SHT

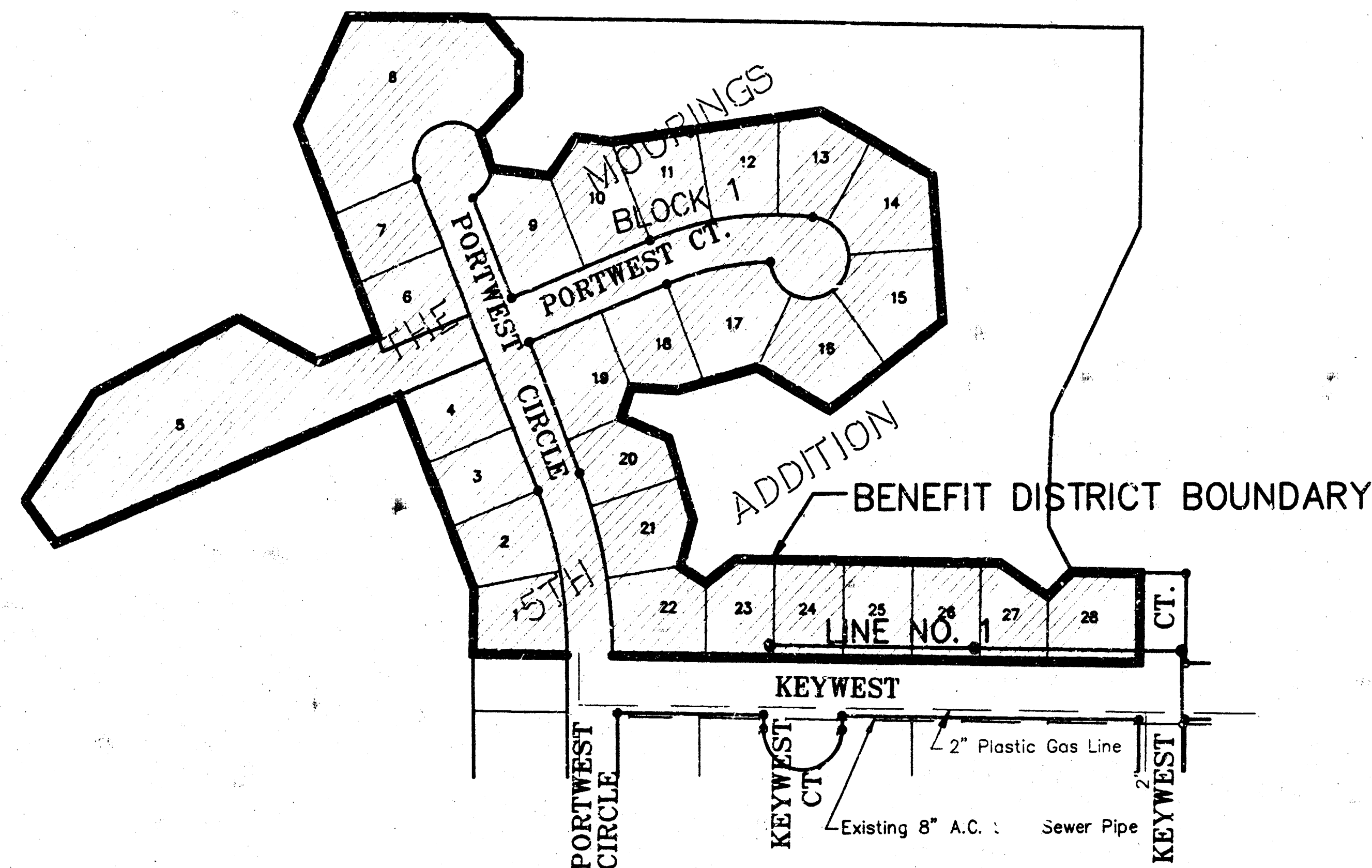
CONSTRUCTION PLANS
LATERAL SANITARY SEWER NO. 23
PHASE 2
TO SERVE LOTS 23 THROUGH 28, BLOCK 1
THE MOORINGS 5TH ADDITION
TO
THE CITY OF WICHITA

MICHAEL E. LINDEBAK, P.E. — CITY ENGINEER

PROJECT NO. 468-82076
INDEX CODE 740571

GENERAL NOTES:

1. Underground utility service lines and overhead poles lines are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
2. Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved.
3. The Contractor shall be responsible for maintaining continuous flow of sewage through construction. Contractor's proposed method for maintaining sewage flow shall be approved by the Engineer. Cost of maintaining flow of sewage through construction will not be paid for directly and this cost shall be considered as Subsidiary to the other pay items of work.
4. The Contractor shall be responsible for preserving property irons. The Contractor will 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.
5. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.



Scale: 1"=150'

INDEX

TITLE SHEET	SHEET 1
LINE NO. 1	SHEET 2
STANDARD MANHOLE TYPE "P"	SHEET 3
STANDARD MANHOLE TYPE "C"	SHEET 4
THE MOORINGS 5TH ADDITION PLAT	SHEET 5

BENCH MARKS

(City of Wichita Datum)

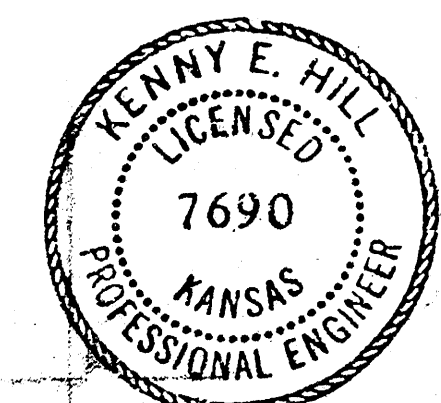
1. "+" cut on MH ring at SW Cor. Keywest on Keywest Ct. 401' E. and 5' S. of the NE Cor. Lot 1, Block 1 of the Moorings 3rd Addition. Elev. 142.64
2. "□" cut in S. Hdwl. of culvert at 45th Street North and Meridian. Elev. 141.07
3. "+" cut in N. MH ring at NE Cor. Lot 12, Block 1 of the Moorings 3rd Addition. Elev. 146.00
4. "+" cut in N. side MH ring at W. side of Portwest Circle between Lots 19 and 20. Elev. 143.90
5. Railroad Spk. in S. face of power pole N. side Keywest opposite westerly Keywest Court. Elev. 144.85
6. City Standard disc, 59' West of the centerline of Meridian & 32.3' North of the centerline of Keywest. Elev. 141.96

MAY 1991

PLANS PREPARED
BY

P.O.E. & ASSOCIATES OF KANSAS, INC.
434 N. Olive, Suite 110 • Wichita, KS 67208 • 316/255-4114

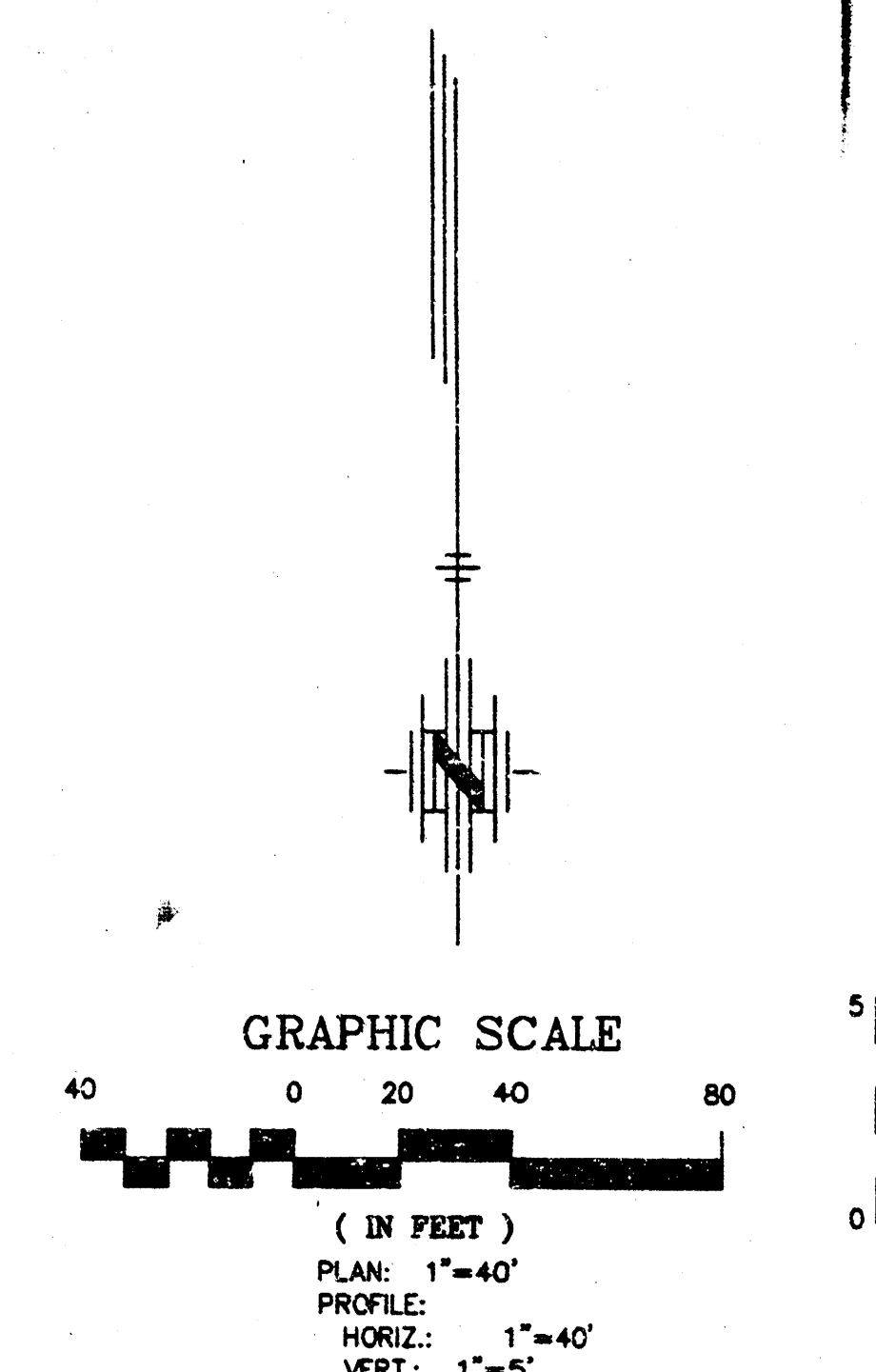
AS BUILT
MC
10-91



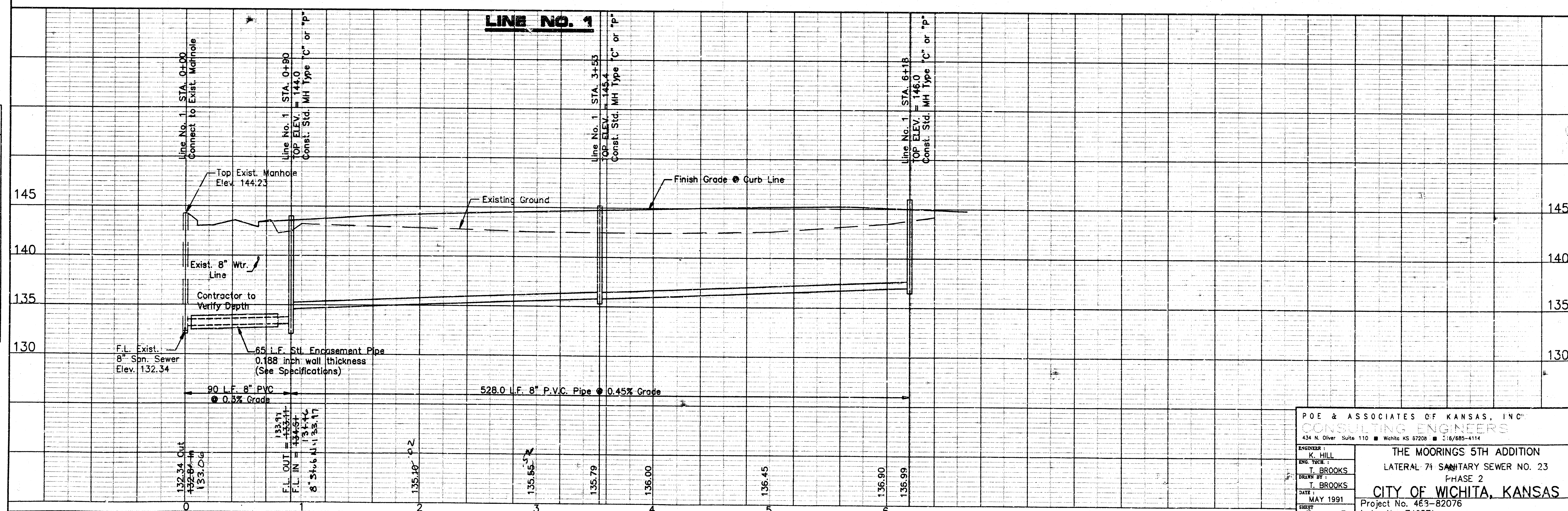
SHEET NO. 1 OF 5

PLAN	SURVEYED _____ PLOTTED _____ ALIGNMENT CHECKED _____ RT. OF WAY CHECKED _____	BY _____	DATE _____
WRITE BOOK NO. _____			

PROFILE	SURVEYED _____	BY _____	DATE _____
NOTE BOOK _____	PLOTTED _____		
N.O. _____	GRADES CHECKED _____		
	B.M.'S NOTED _____		
	STRUCTURE NOTATIONS CH'KD _____		



LISTING OF CURRENTLY SET COORDINATE POINTS		
POINT	COORDINATES	DESC/TYPE
1	N 1925.30 E 2050.93	MH STA. 0+00 LINE NO. 1
2	N 2015.36 E 2050.08	MH STA. 0+91 LINE NO. 1
3	N 2012.87 E 1787.09	MH STA. 3+54 LINE NO. 1
4	N 2010.42 E 1522.10	MH STA. 6+19 LINE NO. 1



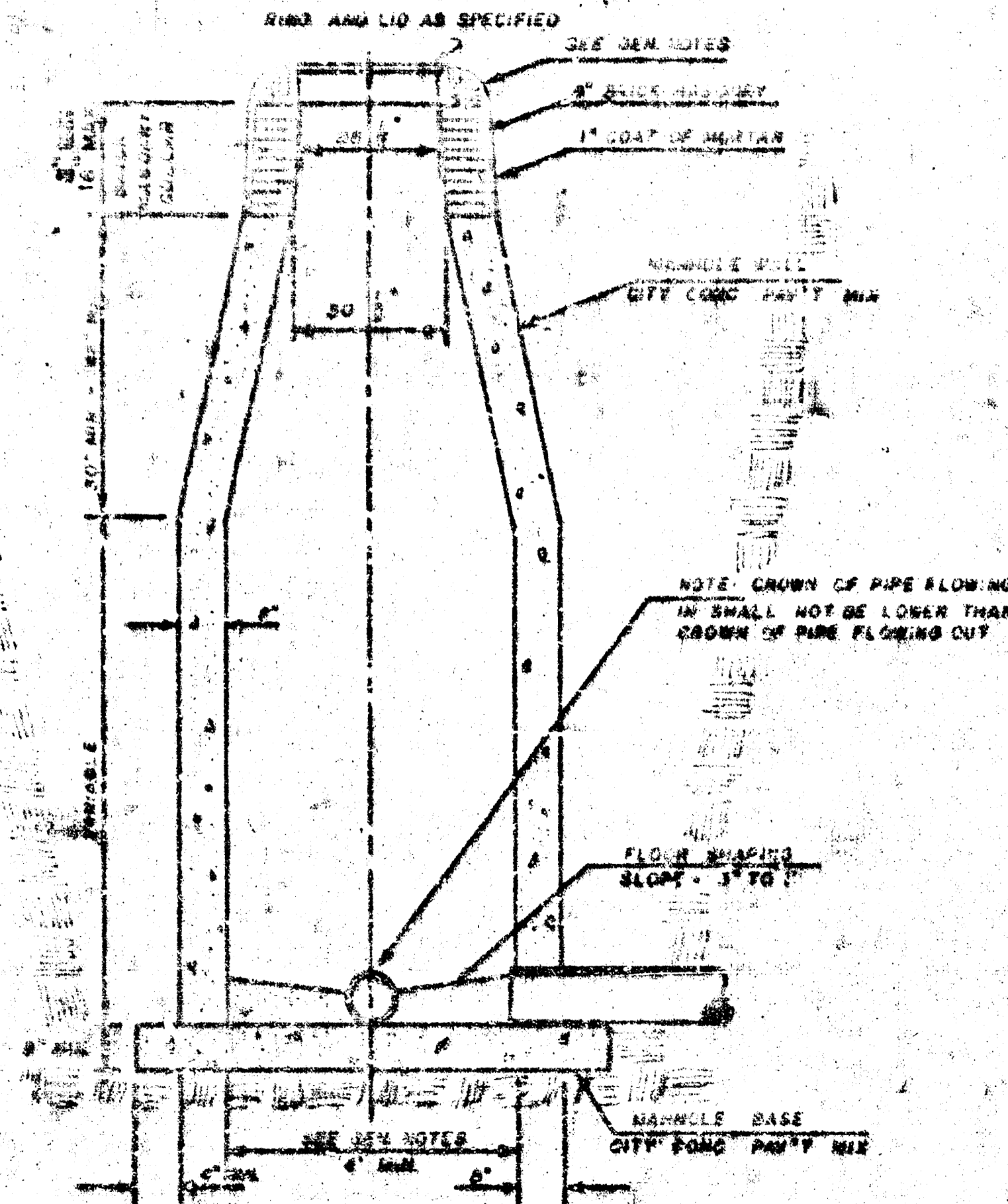
POE & ASSOCIATES OF KANSAS, INC. CONSULTING ENGINEERS 434 N. Oliver Street Suite 110 ■ Wichita KS 67208 ■ 616/885-4111	
ENGINEER K. HILL	THE MOORINGS 5TH ADDITION LATERAL 71 SANITARY SEWER NO. 23 PHASE 2
DRAWN BY T. BROOKS	CITY OF WICHITA, KANSAS Project No. 463-82076 Index No. 740571
DATE MAY 1991	
SHEET OF 5	

SEWER APPURTENANCES DETAILS

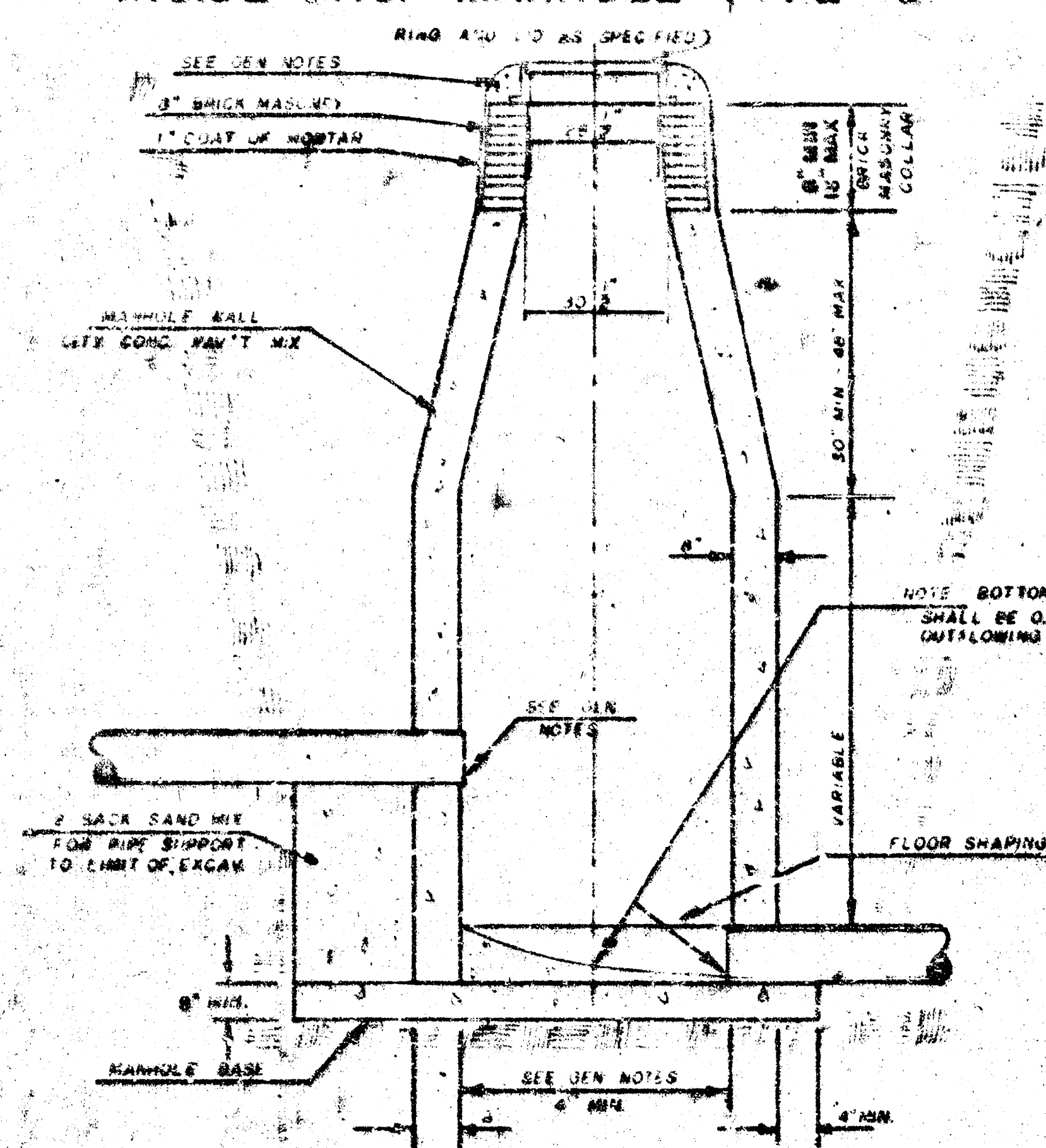
ADOPTED AS STANDARD DESIGN
BY

City of Wichita, Kansas

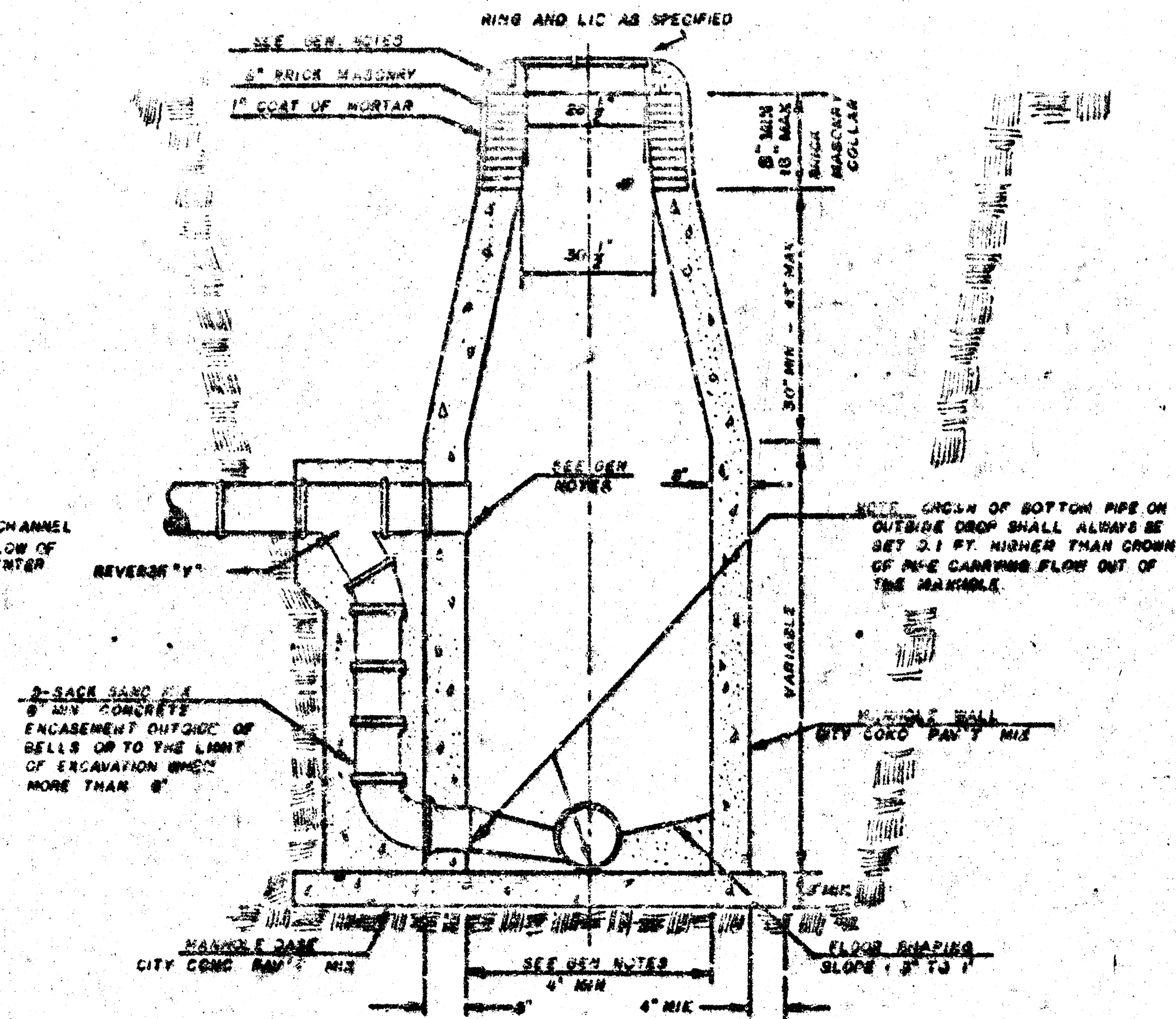
STANDARD MANHOLE TYPE "C"



INSIDE DROP MANHOLE TYPE "C"



OUTSIDE DROP MANHOLE TYPE "C"

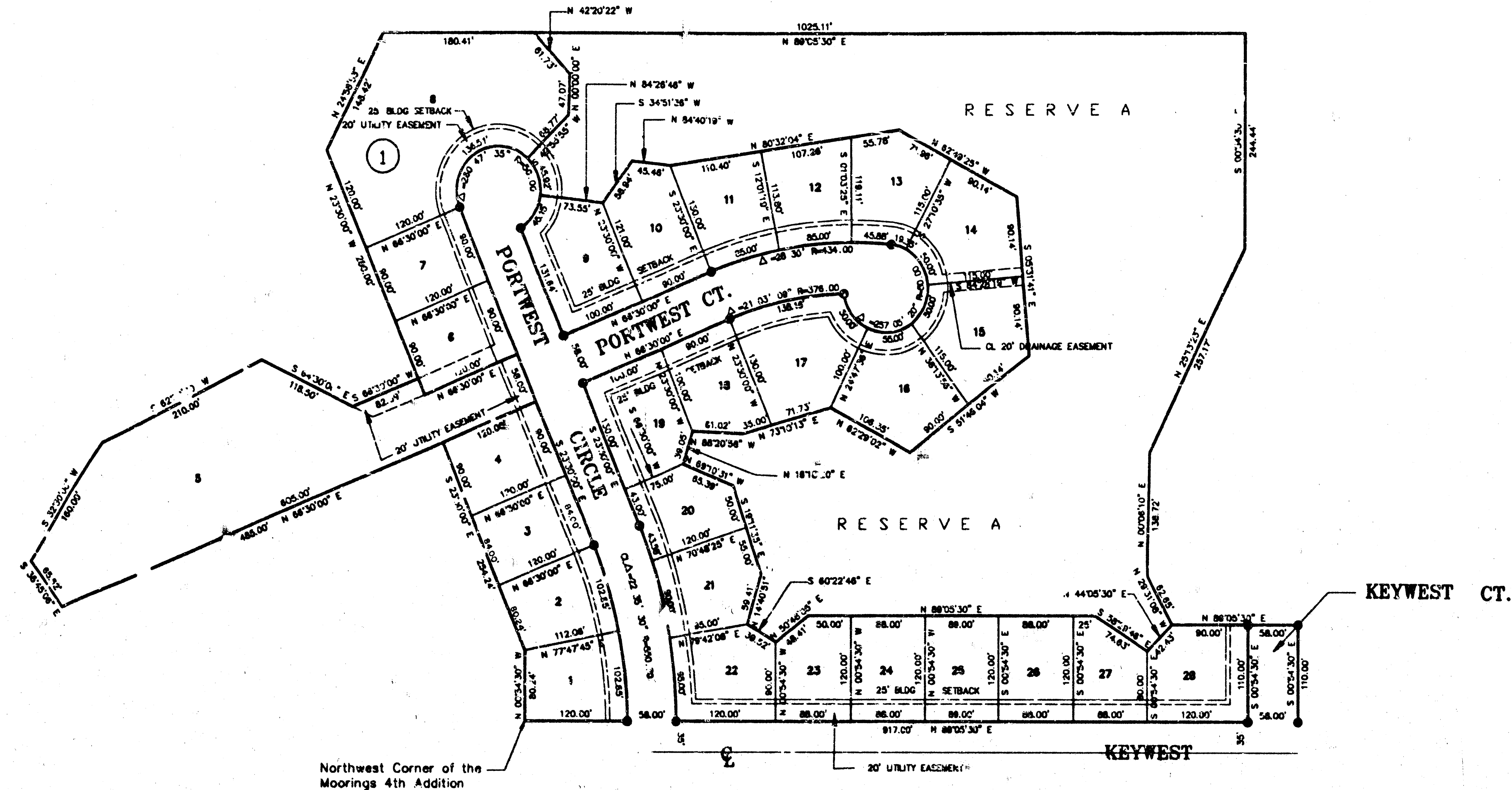


GENERAL NOTES

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 RINGS AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. TYPE "C" MANHOLES CAN BE CONSTRUCTED ONLY WHERE PIPE SIZES ARE 18" 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-SHRINKING 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 SLOPE 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 REINFORCED TO MEET 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.

7-910d



THE MOORINGS 5th ADDITION

To Wichita Sedgwick County, Kansas

STATE OF KANSAS
COUNTY OF SEDGWICK

I, KENNETH E. HILL, being a duly licensed Land Surveyor in said County and State, do hereby certify that I have been in responsible charge of surveying and plotting THE MOORINGS 5TH ADDITION to Wichita, Kansas, being described as follows:

Commencing at the Northeast Corner of the Southeast Quarter (SE1/4) of Section 24, Township 26 South, Range 1, West of the 6th P.M., Sedgwick County, Kansas; thence S 0° 0' 30\"/>

The accompanying plot is a true and correct exhibit of property surveyed.

Dated this 6th day of JULY, 1990.

Kenneth E. Hill
Kenneth E. Hill, L.S.

KNOW ALL MEN BY THESE PRESENTS:

That we, MBAC, INC., have caused the Inno described in the Surveyor's Certificate to be plotted into lots, blocks, streets, and a reserve. The streets are hereby dedicated to and for the use of the public. Easements are hereby granted as indicated for the construction and maintenance of drainage and utilities. Reserve \"A\" is reserved for open space and a lake to be owned and maintained by a lot (or lots) owners' association. Lots adjacent to the lake shall have a continuous minimum high point ground elevation of 143.0 City Datum.

MBAC, INC.

C. Bill Bachman, President

STATE OF KANSAS
COUNTY OF SEDGWICK

This instrument was acknowledged before me on this 9th day of JULY, 1990, by C. BILL BACHMAN.

Carol R. Barnes
Notary Public
Carol R. Barnes

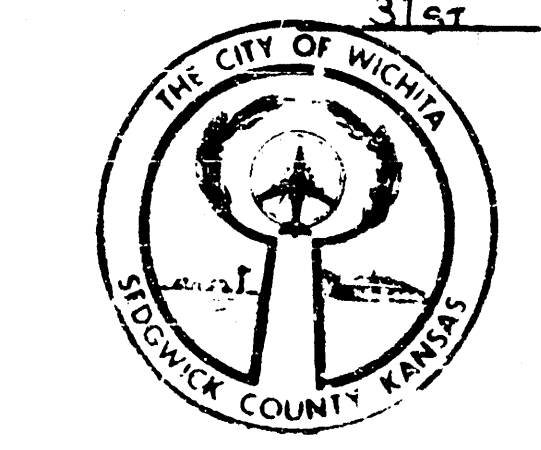
My Appointment Expires: CAROL R. BARNES
Notary Public, State of Kansas
Exp. Date: 9-2-92

This Plot of THE MOORINGS 5TH ADDITION to Wichita Sedgwick County, Kansas has been submitted to and approved by this WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION, Wichita, Kansas.

Dated this 5th day of JULY, 1990.

WICHITA SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION
George P. Sherman Acting Chairman
Mervin S. Kraut Secretary
(SEAL)

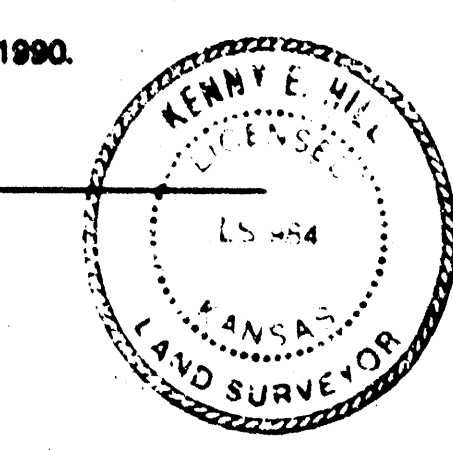
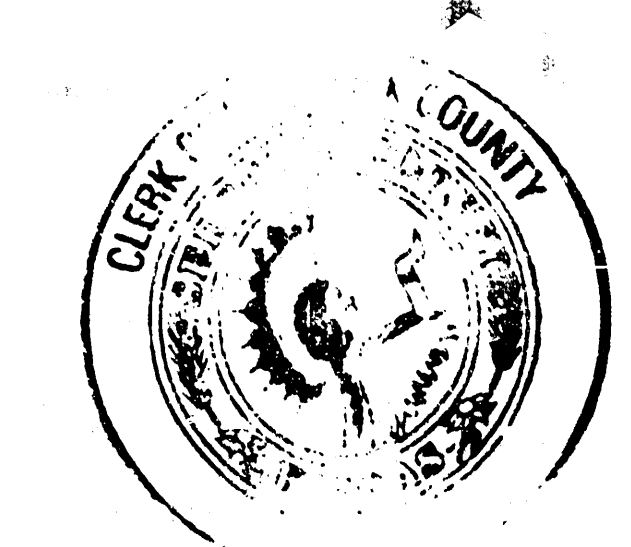
This Plot approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, on July 1990.



Bob Knight Mayor
Pat Burnett Deputy City Clerk

Entered on transfer record this 7th day of AUGUST, 1990.

Don Wright County Clerk



This is to certify that this instrument was filed for record in the Register of Deeds Office at 3:42 P.M. on the 7th day of AUGUST, 1990.

Pat Ketter Register of Deeds

Ed Reed Chief Deputy