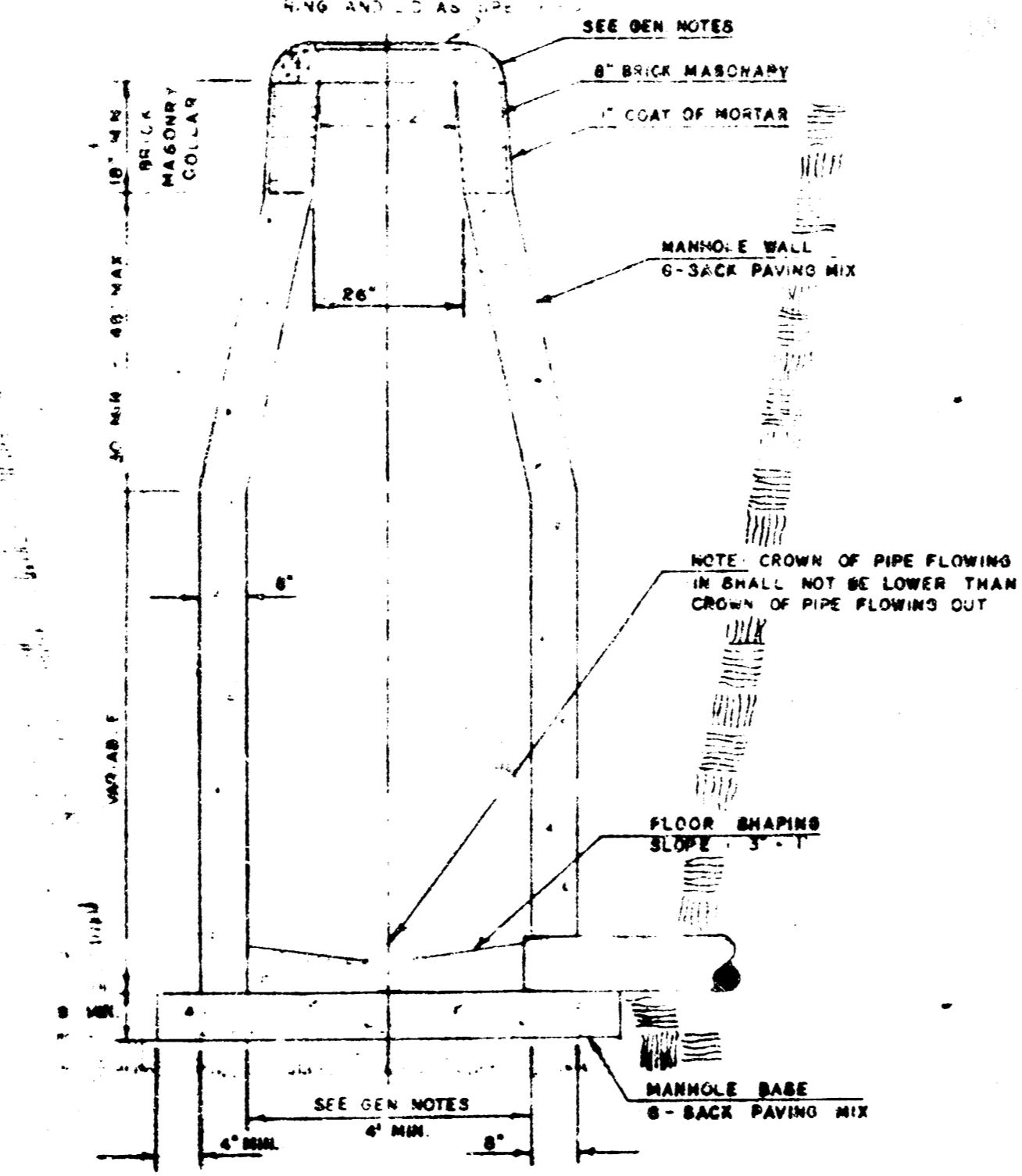
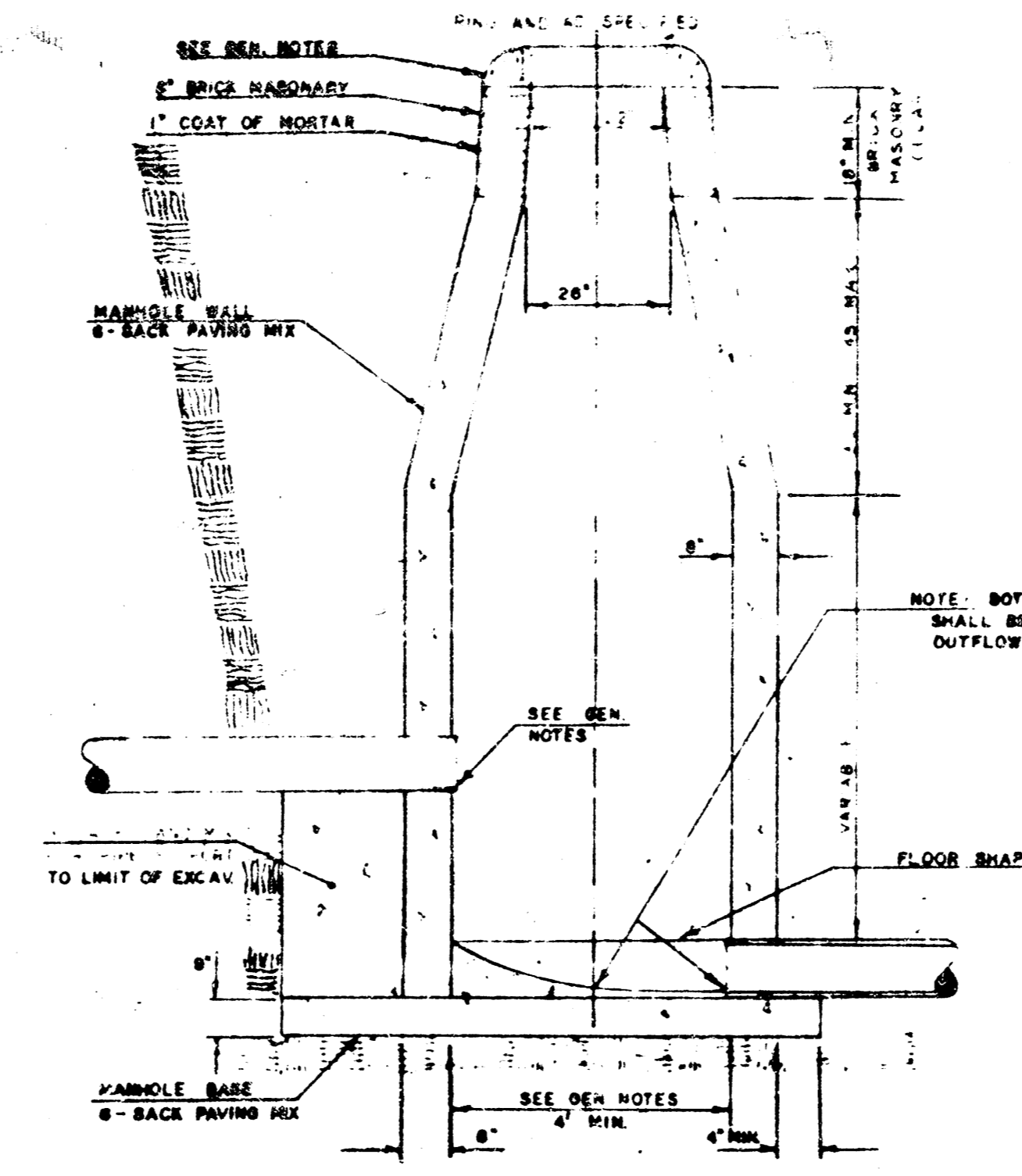


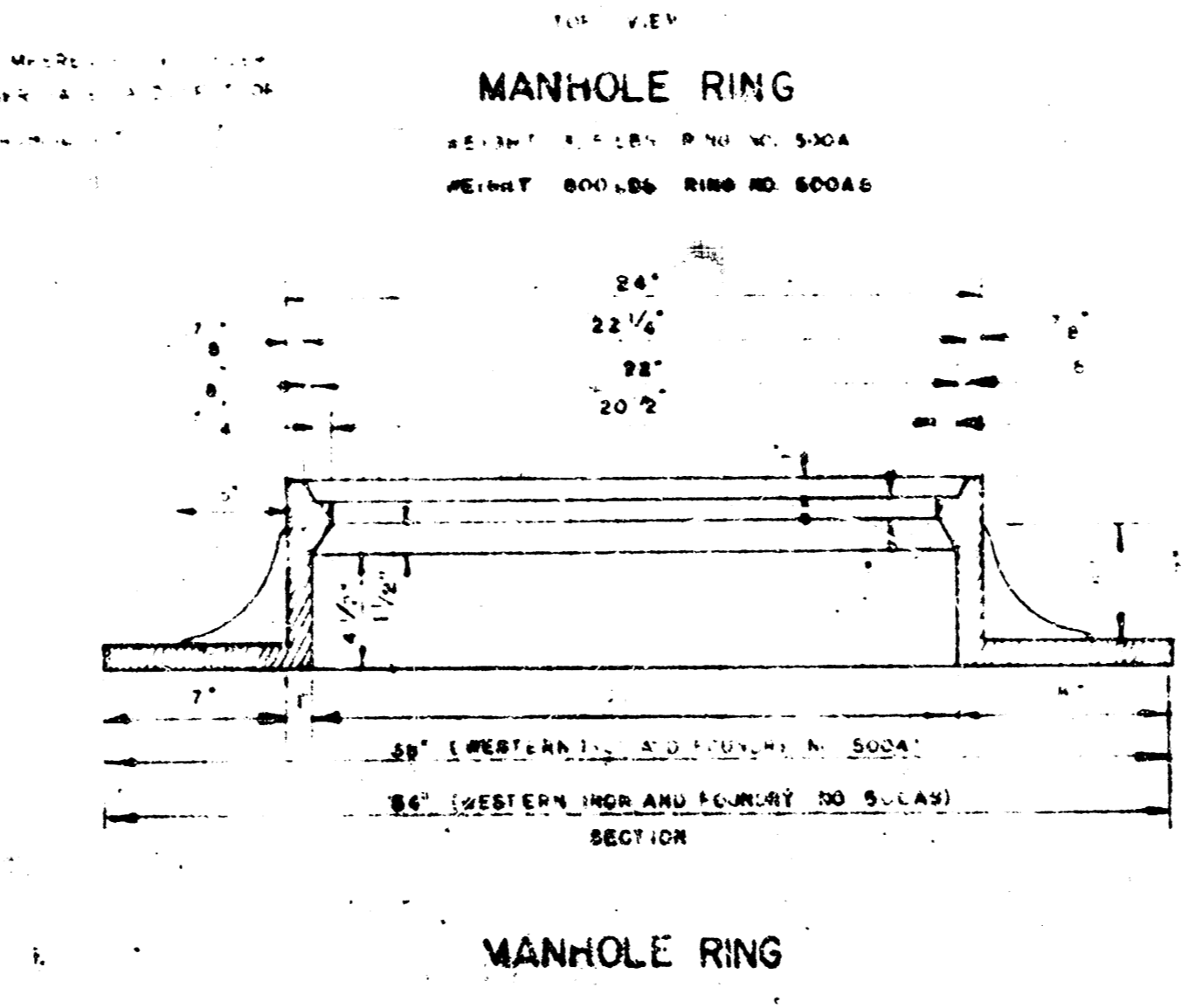
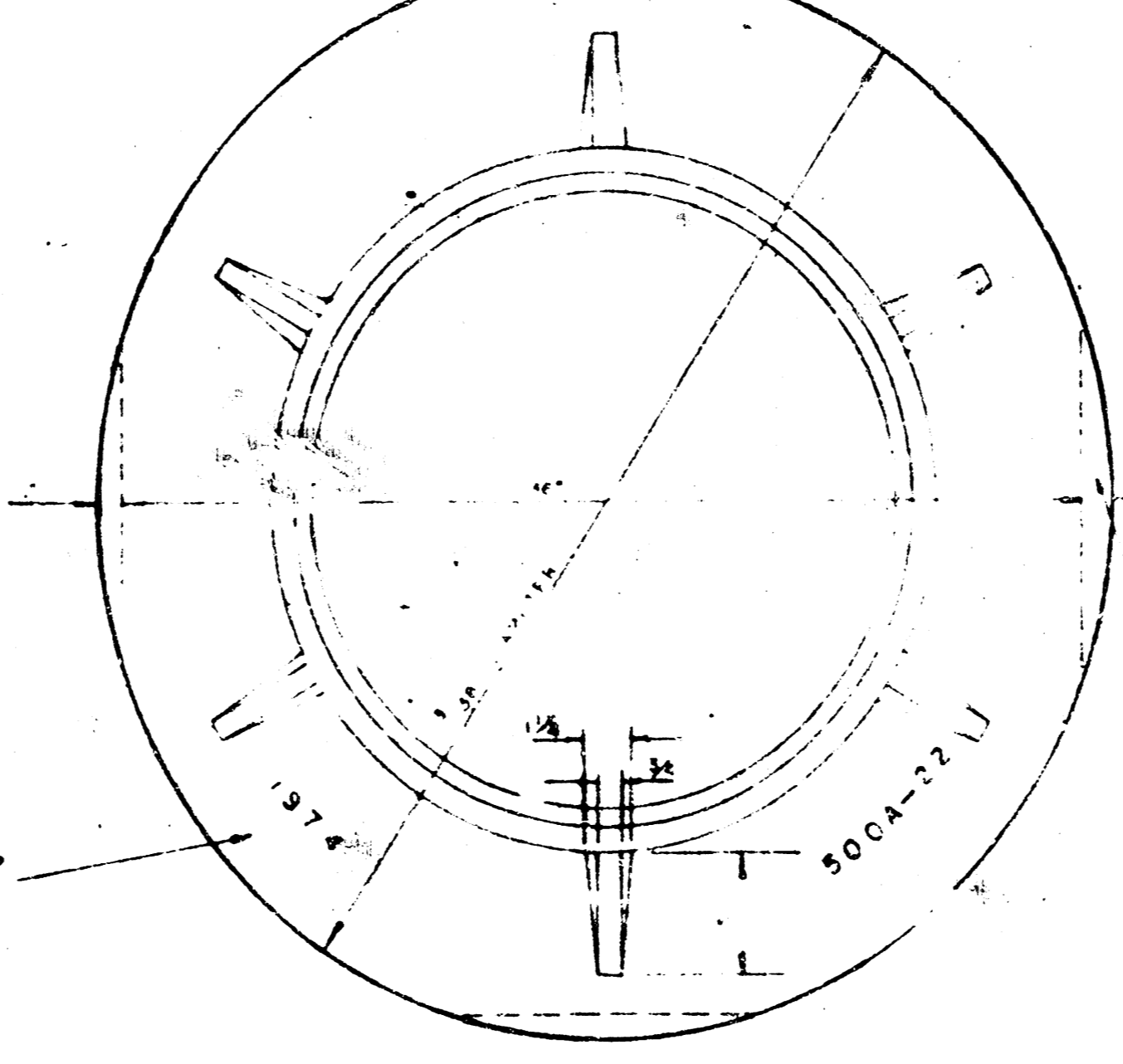
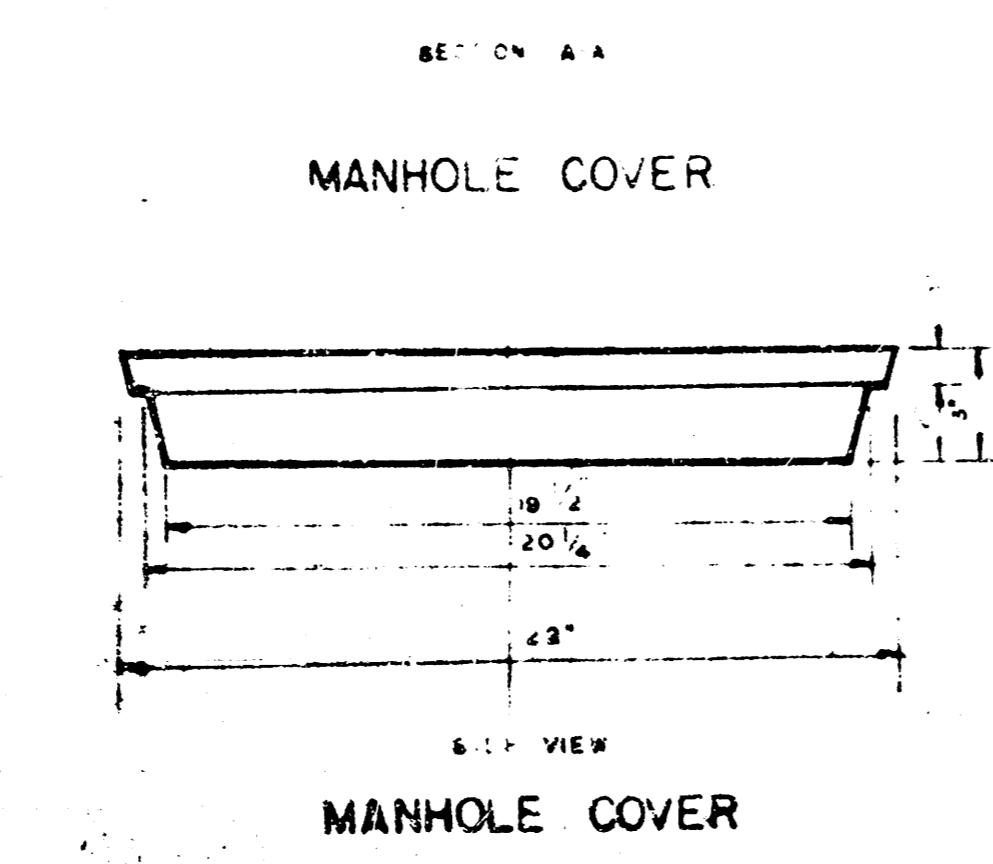
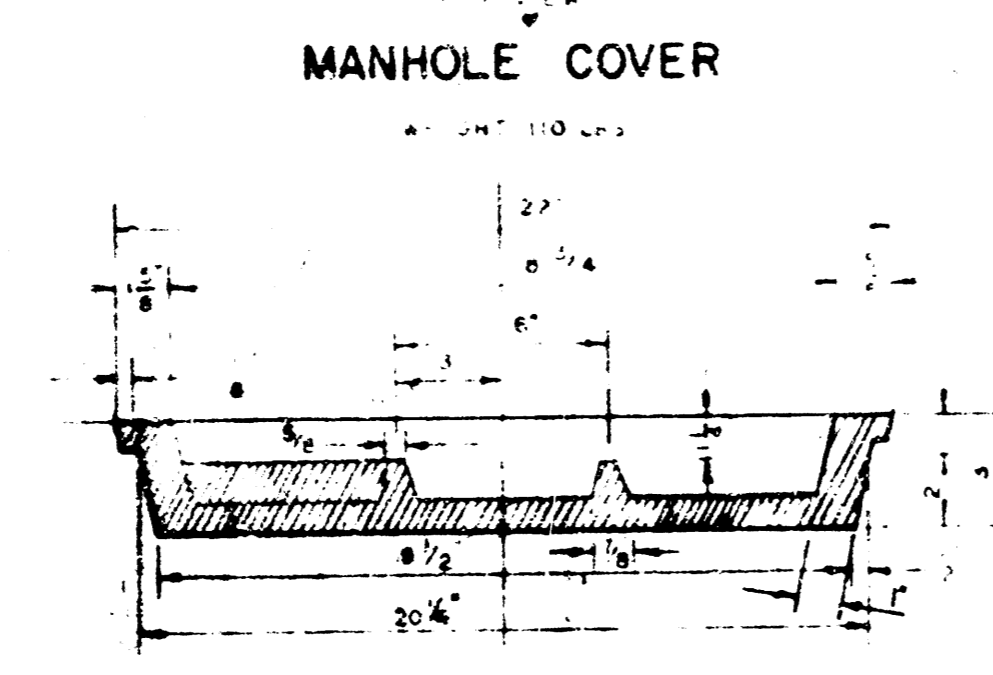
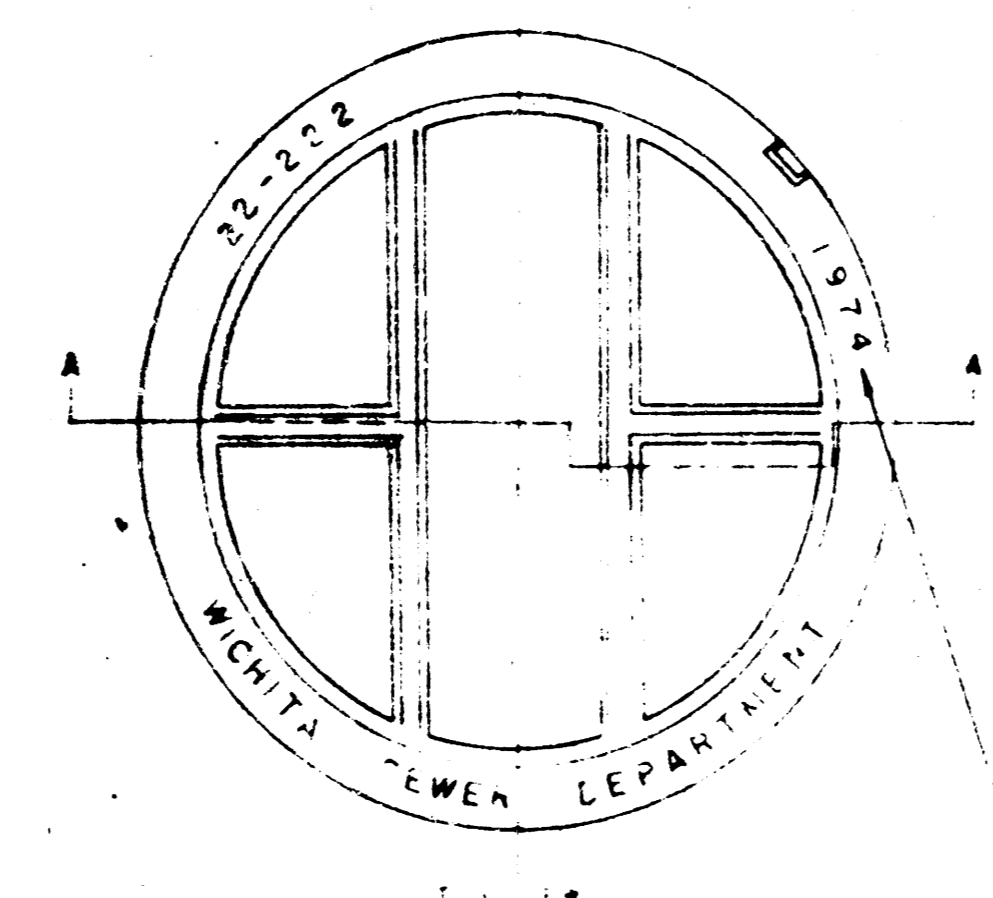
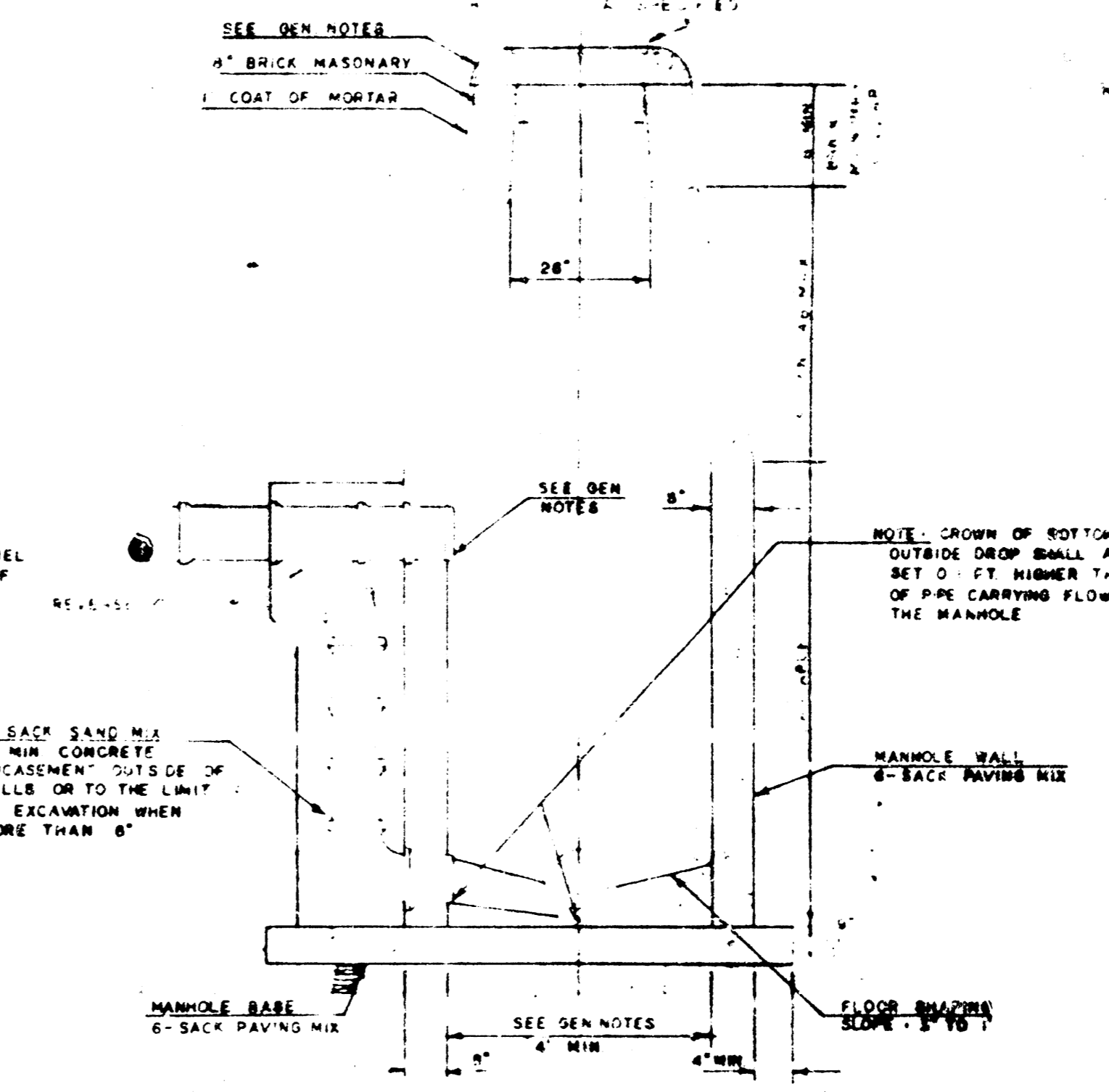
STANDARD MANHOLE, TYPE "C"



INSIDE DROP MANHOLE, TYPE "C"



OUTSIDE DROP MANHOLE, TYPE "C"



- GENERAL NOTES**
1. MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 6 BAGS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE WALLS AND BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD SPECIFICATIONS. 6 BAGS OF CEMENT PER CUBIC YARD WITHOUT AIR EXTRACTING AGENT. MORTAR SHALL BE SET ABOVE THE MANHOLE ALONG AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN EXISTING AREAS. THE MINIMUM COVER SHALL BE 18" FOR UNSETTLED MANHOLES AND 12" FOR SETTLED MANHOLES. THE INSIDE DIAMETER OF TYPE "C" MANHOLES SHALL BE 42".
 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 ENCASED 6" ABOVE THE BOTTOM OF THE MANHOLE BASE. COST OF FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.
 3. THE OPENING IN THE MANHOLE WALL FOR THE UPPER-OUTLET PIPE FOR INSIDE AND OUTSIDE DROP MANHOLES. THE UPPER-OUTLET PIPE SHALL BE SET IN THE MANHOLE WALL WITH THE OPENING WITH 1/2" CLEARANCE. THE EXTERIOR OF THIS COMPLETED CONSTRUCTION SHALL BE APPROXIMATELY 1/2" FROM EXISTING GRADE THAT THE CONNECTION WILL BE WATER TIGHT.
 4. THE EDGES OF ALL MANHOLE WALLS SHALL BE SHAVED WITH FLAM CHANNELS SUCH THAT THE MANHOLES WILL BE SELF-CLEANING AND FREE OF SPALLS WHERE SPALLS COULD BE PERMITTED AS SHOWN FROM THE MANHOLE FROM ALL INLET PIPES TO THE OUTLET PIPE. THE EDGES SHALL BE SHAVED TO MATCH THE 1/4" RADIUS OF THE INLET AND OUTLET PIPES AND THE OUTLET PIPE AS SHOWN ON THE DRAWINGS EXCEPT FOR INSIDE DROP MANHOLES. FLAM CHANNELS FOR INSIDE DROP MANHOLES SHALL BE CONSTRUCTED AS INDICATED BY THE DRAWINGS. MANHOLE WALLS SHALL HAVE SLOPE OF 3" VERTICAL PER FOOT IN THE AREAS OUTSIDE OF THE FLAM CHANNELS SLOPED TOWARD THE FLAM CHANNELS. PIPES Laid THROUGH MANHOLES SHALL HAVE THE TOP EDGE BEHIND TO BEAT LINES FOR THE FULL INSIDE DIAMETER OF THE MANHOLE. MANHOLE WALLS SHALL BE SHAVED AROUND THE 1/4" RADIUS OF THE PIPE WHICH FORMS THE FLAM CHANNELS.
 5. PIPES INSTALLED WITHIN THE EXCAVATION FOR THE MANHOLE SHALL BE GRADED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. WHEN CLAY PIPE IS USED, THE MANHOLE SHALL BE GRADED TO THE FIRST JOINT OUTSIDE THE MANHOLE. THE CHAIRS SHALL BE TYPICALLY AT THE CLAY PIPE JOINT TO A MINIMUM DEPTH SHALL MAINTAIN THE FLEXIBILITY OF THE JOINT. COST OF CHAIRS WITHIN MANHOLE EXCAVATION OR TO CLAY PIPE JOINTS ADJACENT TO MANHOLE SHALL BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.
 6. THE CLEARANCE OF MANHOLE COVERS, THE INSIDE CLEARANCE OF MANHOLE WALLS, AND THE SPACING BETWEEN THE COVERS SHALL BE AS SHOWN ON THE DRAWINGS. THE INSIDE CLEARANCE OF THE MANHOLE WALLS SHALL BE 42" AT ALL POINTS AROUND THE CIRCUMFERENCE. THE SPACING BETWEEN THE COVERS SHALL BE 18" AT ALL POINTS AROUND THE CIRCUMFERENCE. THE SPACING BETWEEN THE COVERS SHALL BE 18" AT ALL POINTS AROUND THE CIRCUMFERENCE. THE SPACING BETWEEN THE COVERS SHALL BE 18" AT ALL POINTS AROUND THE CIRCUMFERENCE. THE SPACING BETWEEN THE COVERS SHALL BE 18" AT ALL POINTS AROUND THE CIRCUMFERENCE.
 7. THE VERTICAL DROP IN INSIDE DROP MANHOLES SHALL NOT EXCEED 4'. THE SPACING BETWEEN THE COVERS SHALL BE 18" AT ALL POINTS AROUND THE CIRCUMFERENCE. THE SPACING BETWEEN THE COVERS SHALL BE 18" AT ALL POINTS AROUND THE CIRCUMFERENCE. THE SPACING BETWEEN THE COVERS SHALL BE 18" AT ALL POINTS AROUND THE CIRCUMFERENCE.
 8. STANDARD MANHOLES TYPE "C" AND STANDARD INSIDE DROP MANHOLES TYPE "C" SHALL BE 42" IN DIAMETER UNLESS OTHERWISE SPECIFIED. OUTSIDE DROP MANHOLES TYPE "C" SHALL BE 42" IN DIAMETER UNLESS OTHERWISE SPECIFIED. ALL MANHOLE DIAMETERS WILL BE 4" BELOW INDICATED DIMENSIONS.

REVISED 4-4-60

DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS

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SANITARY SEWER EXTENSIONS

For

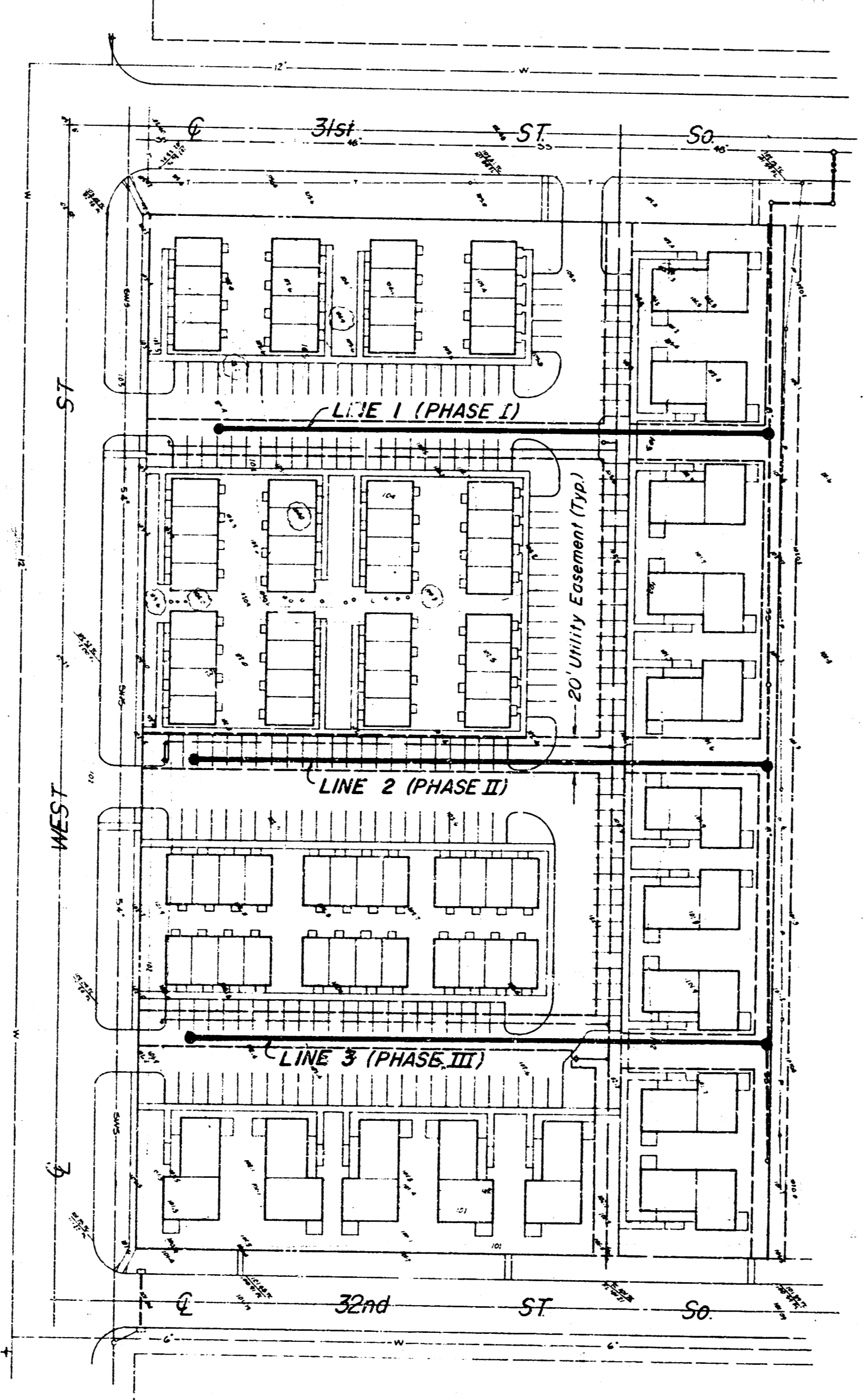
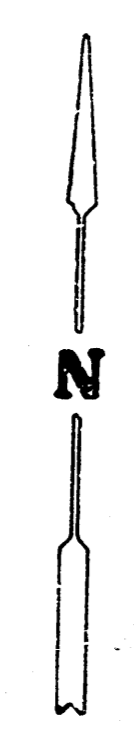
LAREDO VILLAGE

Lot 10, Block 1, Fourth Addition
To Southwest Village
Wichita, Kansas

City of Wichita Private Project No. 468-76-245-80000-000-000-008
TO BE CONSTRUCTED IN THREE PARTS

NOTE TO CONTRACTOR
SEE SHEET NO. 468-76-245-80000-000-000-009
FOR THE LOCATION OF THE SEWER MAINS
AND THE LOCATION OF THE SEWER MANHOLE
AND THE LOCATION OF THE SEWER
AND THE LOCATION OF THE SEWER
AND THE LOCATION OF THE SEWER

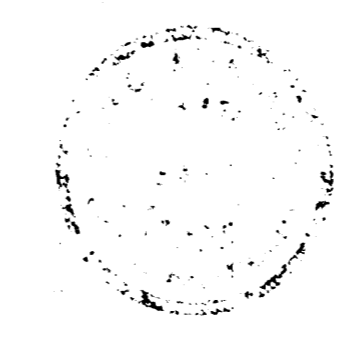
APPROVED FOR THE CITY OF WICHITA
BY THE CITY ENGINEER
DATE: 4/15/82
BY: [Signature]



INDEX

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2	PLAN-PROFILE
3-4	APPURTENANCES

MOHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA
April 1982



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