

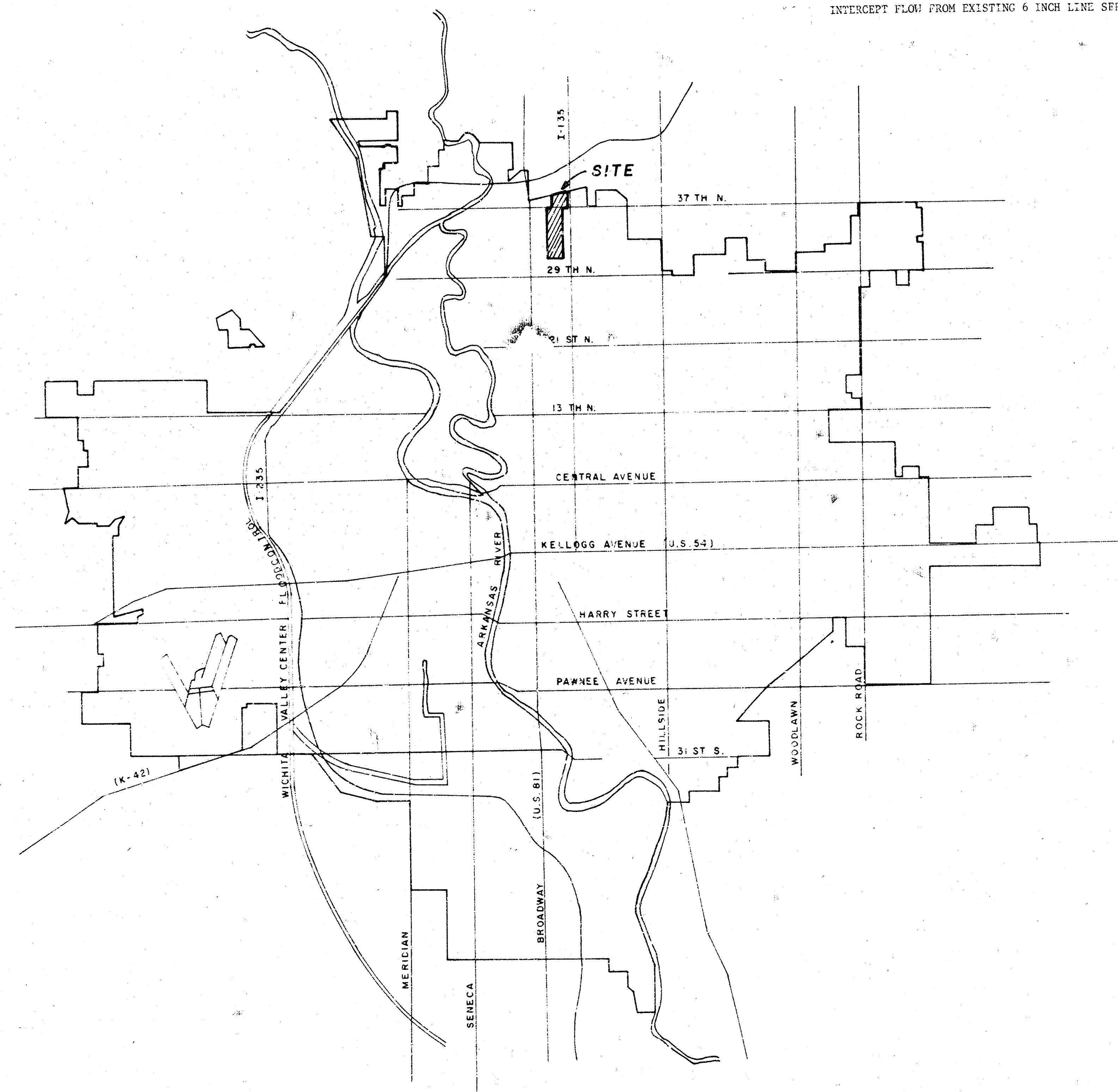
CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS

Lateral 102, Main 4, S.S. #23

PROJECT NO. 468-76-245-80928-000-000-001

ACTING CITY ENGINEER - DEAN SELLERS

NOTE: CONTRACTOR'S CONSTRUCTION OPERATIONS SHALL BE SUCH THAT WILL PROVIDE VEHICULAR ACCESS DURING BUSINESS HOURS TO PARKING LOT FOR INSTO-IMPALA INC. AT 1106 E. 37TH STREET NORTH. FIELD ENGINEER SHALL VERIFY THAT PLAN ELEVATION FLOW OUT OF MANHOLE AT STATION 252 + 27.69 ON THE NORTH SIDE OF 37TH STREET NORTH AND WEST OF OHG IS SUCH THAT WILL INTERCEPT FLOW FROM EXISTING 6 INCH LINE SERVING INSTO-IMPALA INC.



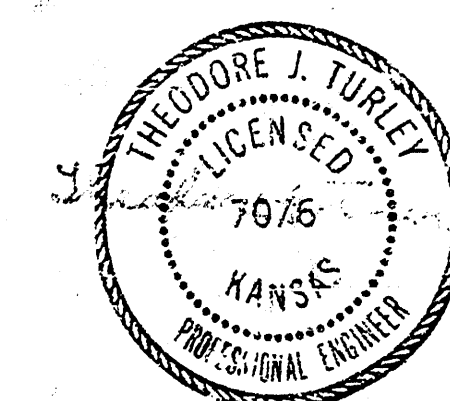
INDEX

1. Title Sheet
2. Layout Map
3. Line BP 3 Sta. 122+93.11 to Sta. 136+67.90
4. Line BP 3 Sta. 136+67.90 to Sta. 149+55.69
5. Line BP 3 Sta. 149+55.69 to Sta. 154+88.55
6. Line BP 2
7. Location Map-8" Sewer Abandonment
8. Standard Details
9. Standard Details
10. Standard Details

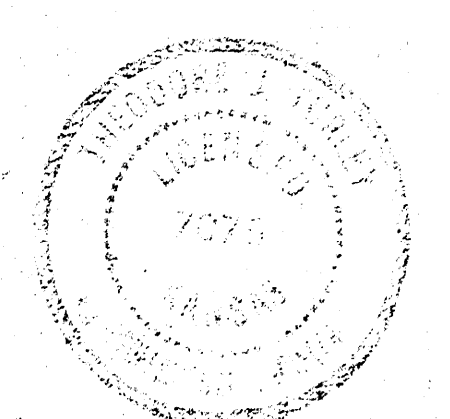
As Built
3-81
JOC



POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS



	<i>Revised Alignment</i>	JP	JMT	9-19-80
NO.	REVISION	BY	APP.	DATE

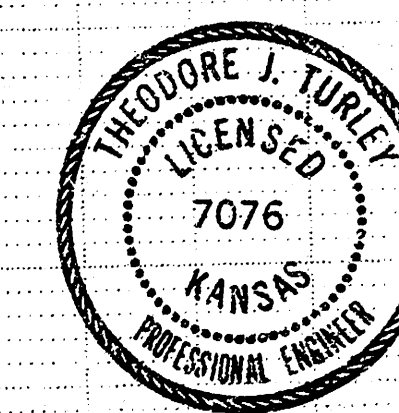
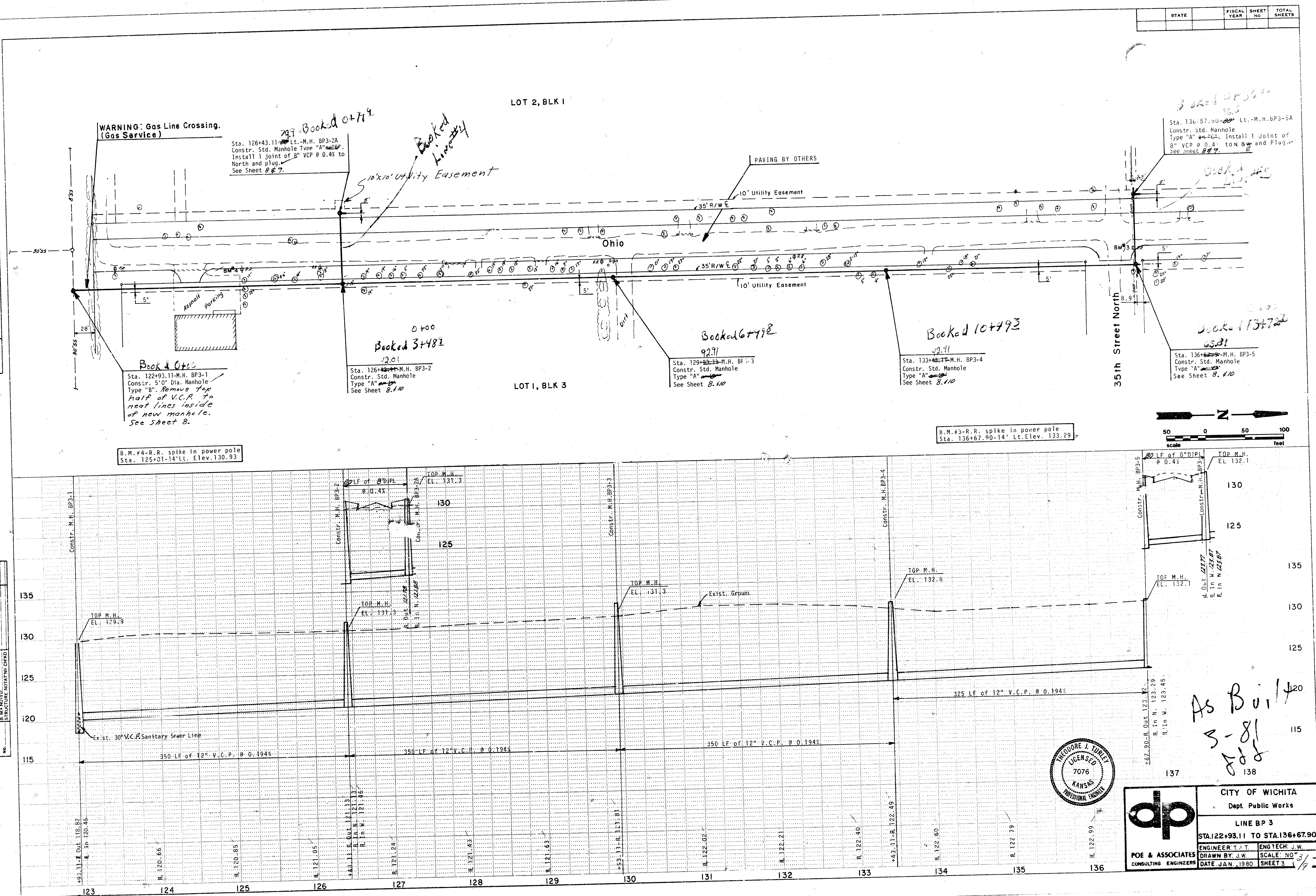


CITY OF WICHITA
Dept. Public Works

LAYOUT 424

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

PROFILE SURVIVED _____ PLOTTED _____ GRADES CHECKED _____ B M NOTED _____ NO. _____ STRUCTURE NOTATIONS CHKD _____	BY _____ DATE _____
--	------------------------

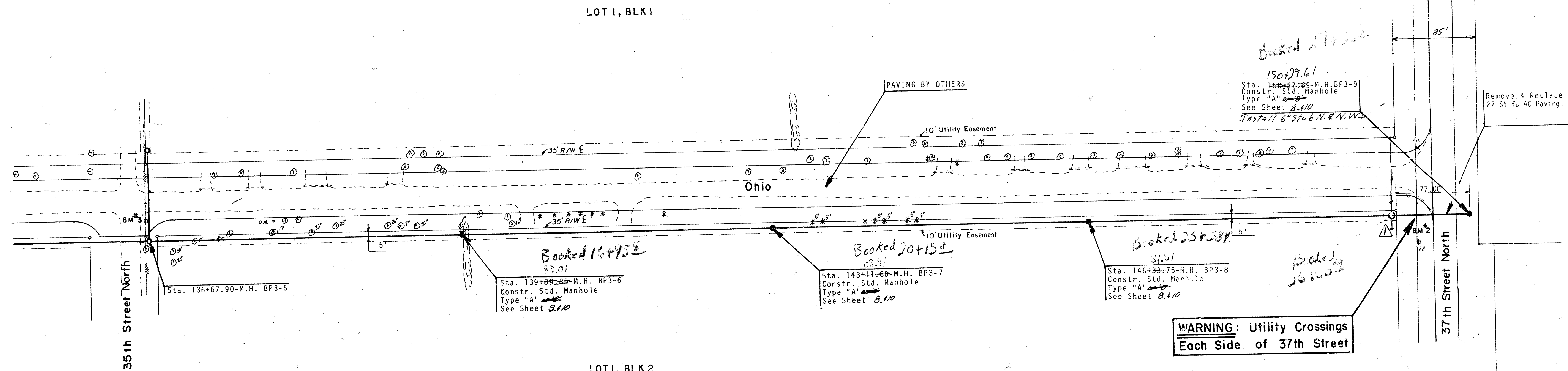


	CITY OF WICHITA	
	Dept. Public Works	
	LINE BP 3	
	STA.122+93.11 TO STA.136+67.90	
POE & ASSOCIATES CONSULTING ENGINEERS	ENGINEER: T. J. T.	ENGTECH: J. W.
	DRAWN BY: J. W.	SCALE: NOT
	DATE: JAN. 1980	SHEET 3

PLAN	DATE
SURVEYED	BY
PLANNED	BY
NOTED	BY
NO.	

PROFILE	DATE
SURVEYED	BY
PLANNED	BY
NOTED	BY
NO.	

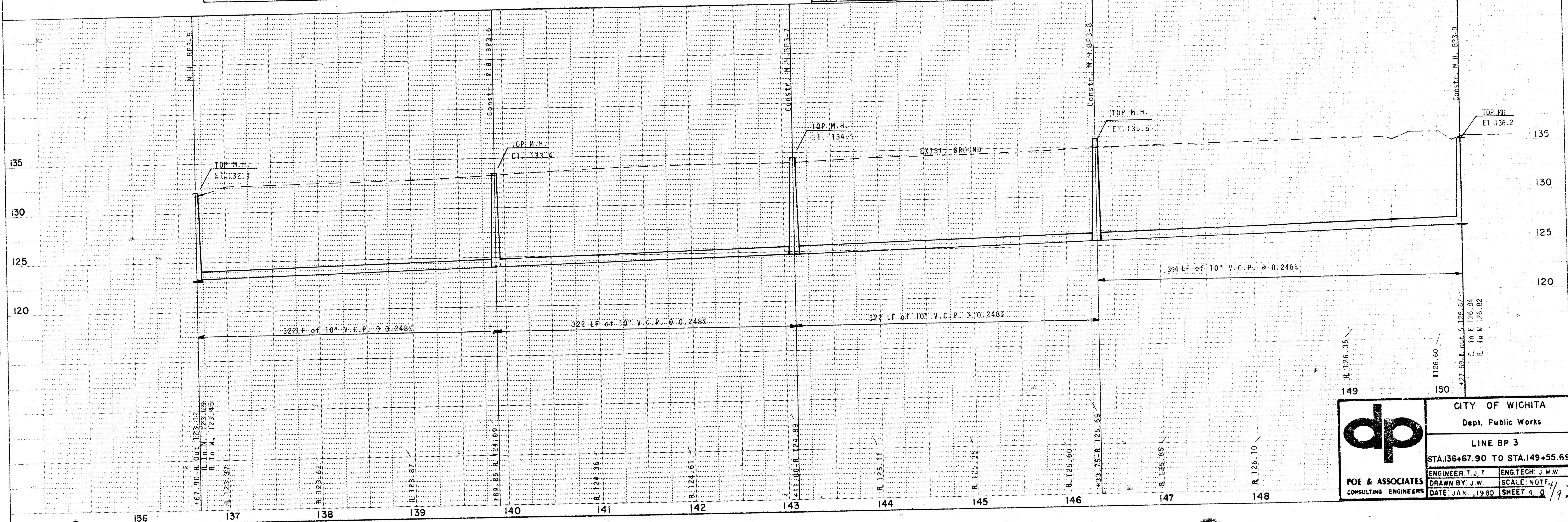
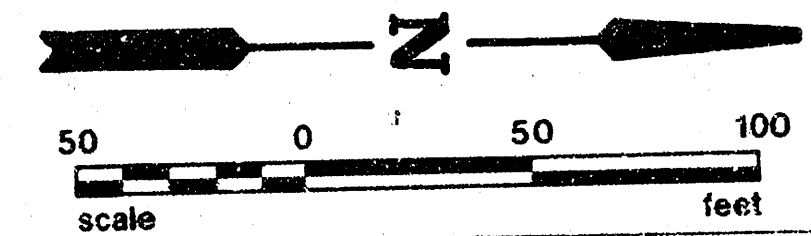
STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS



BM. #3-R.R. spike in power pole
Sta. 136+65.14' Lt. Elev. 133.29

NO.	REVISION	BY	APP.	DATE
1	Revised Alignment, See Sht. 5A	JP	JMT	9-9-80

B.M. #2-R.R. spike in south side of power pole
Sta. 149+55.69-17.31' Lt. Elev. 136.25



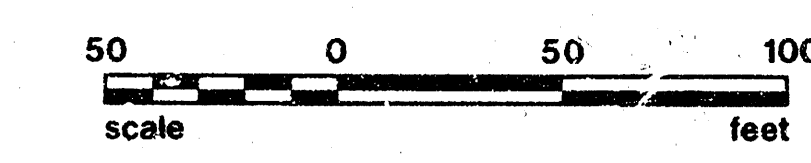
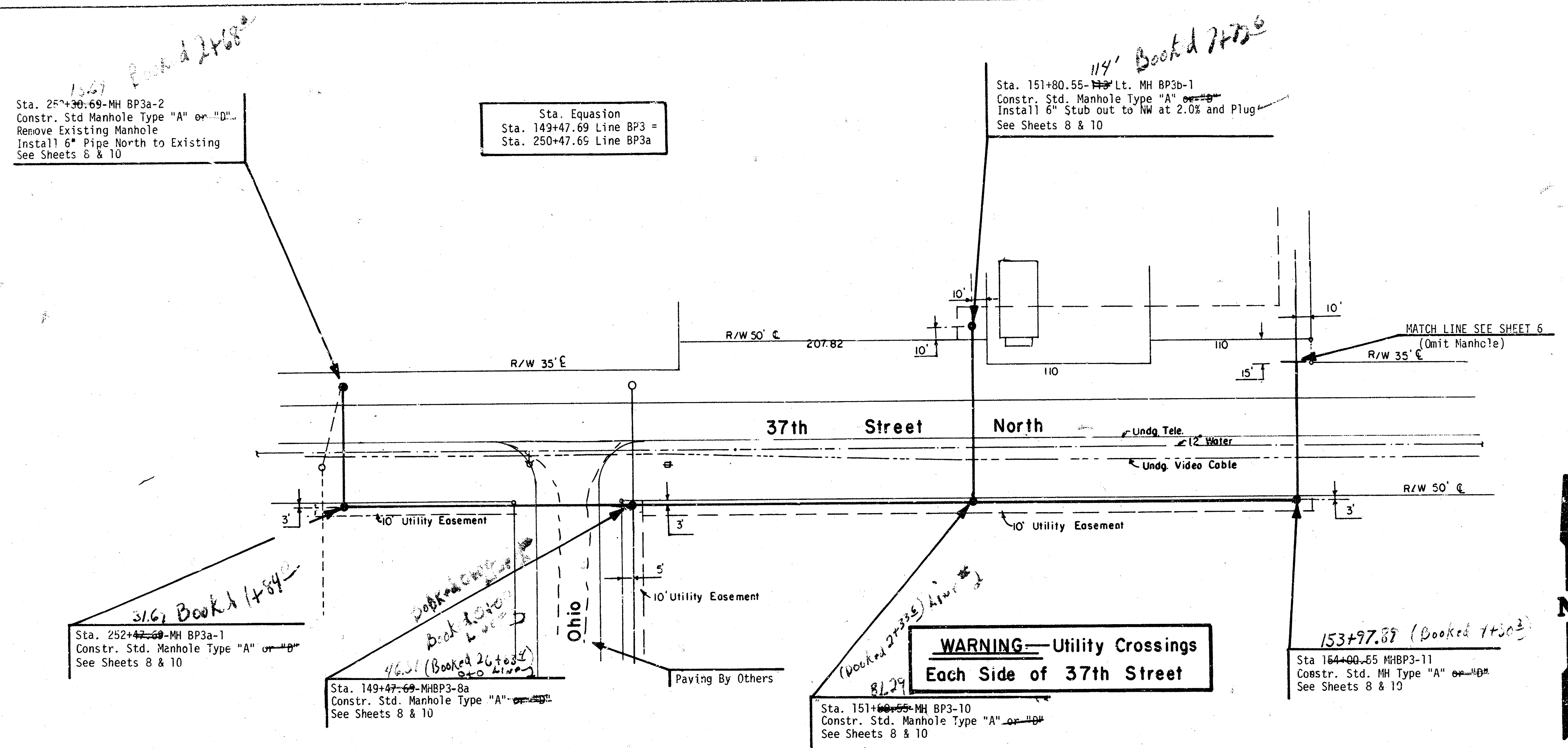
P.O.E. & ASSOCIATES
 CONSULTING ENGINEERS

CITY OF WICHITA
 Dept. Public Works
LINE BP 3
 STA. 136+67.90 TO STA. 149+55.69
 ENGINEER: T.J.T. ENGTECH: J.M.W.
 DRAWN BY: J.W. SCALE: NOT TO SCALE
 DATE: JAN. 1980 SHEET 4 OF 9

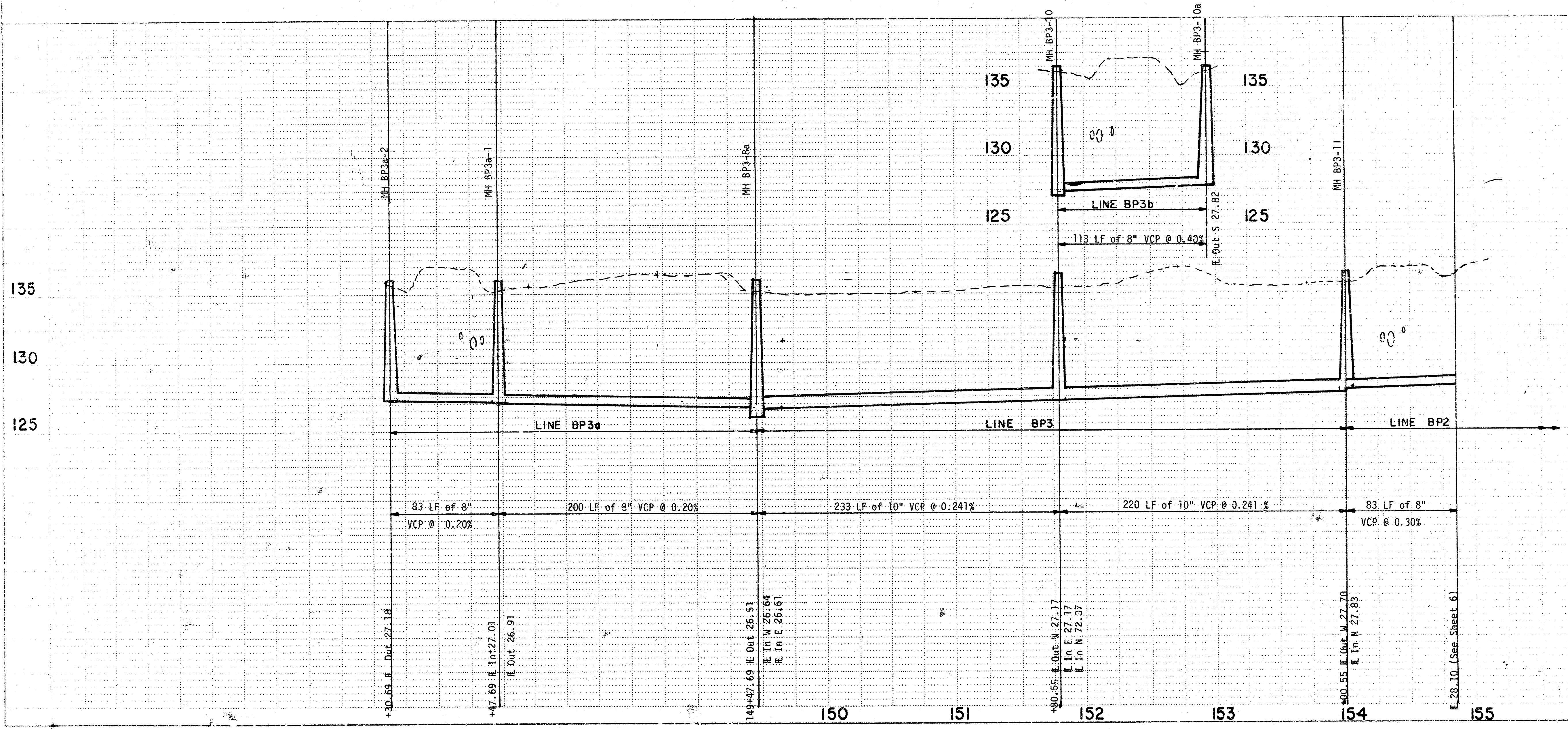
PLAN	DATE	BY	CHKD
REVISIONS			
1. ALIGNED CHANGED			
2. UTILITY			
3. R/W			
4. EASEMENT			
5. OTHER			
6. NOTE BOOK			
7. NO			

PROFILE	DATE	BY	CHKD
REVISIONS			
1. PROFILE			
2. GRADES CHECKED			
3. UTILITY			
4. STRUCTURE			
5. NOTATIONS			
6. NO			

STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS



REVISION	BY	APP.	DATE
1. Revised Alignment	JP	JMT	9-19-80



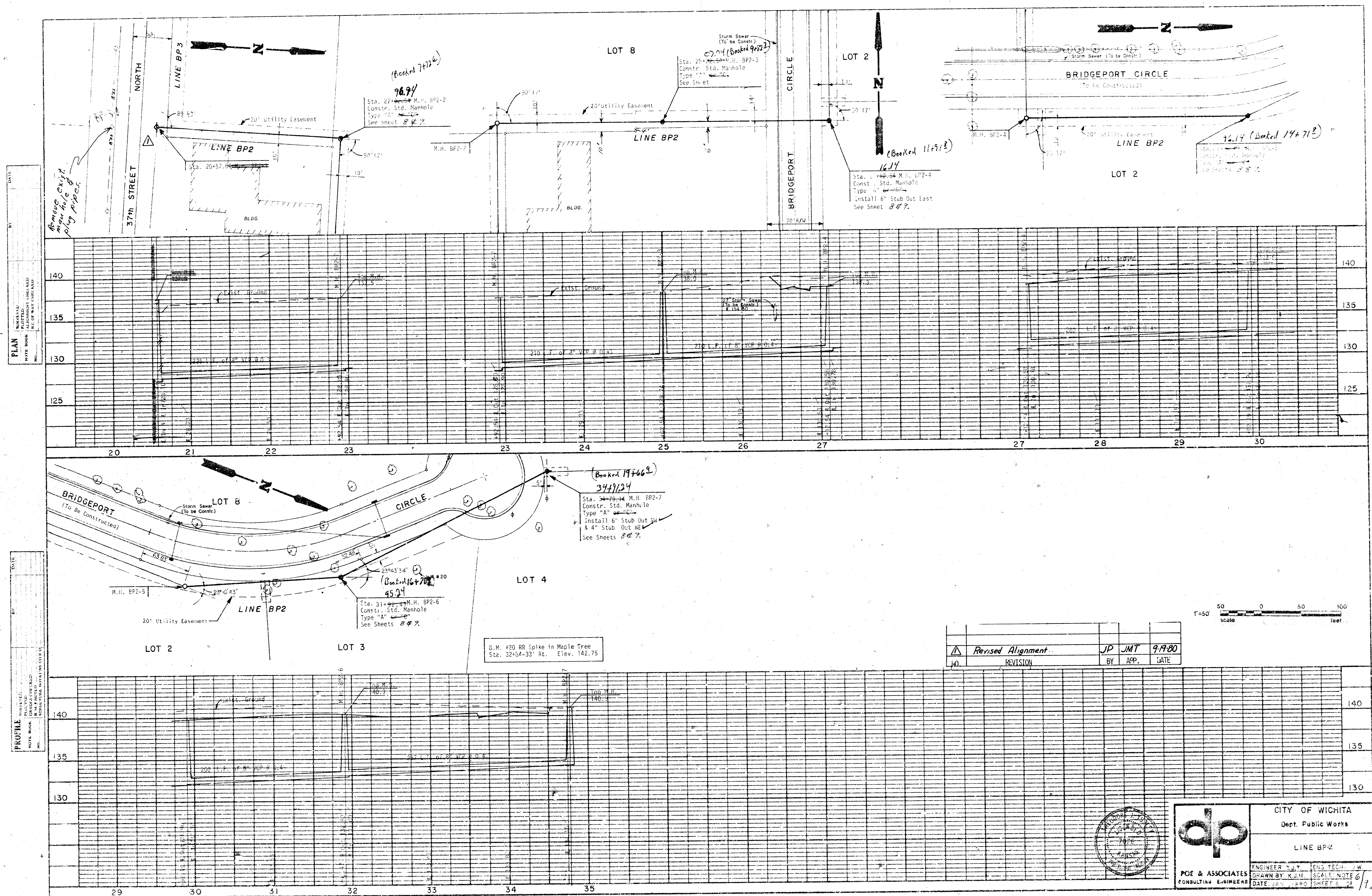
POE & ASSOCIATES
CONSULTING ENGINEERS

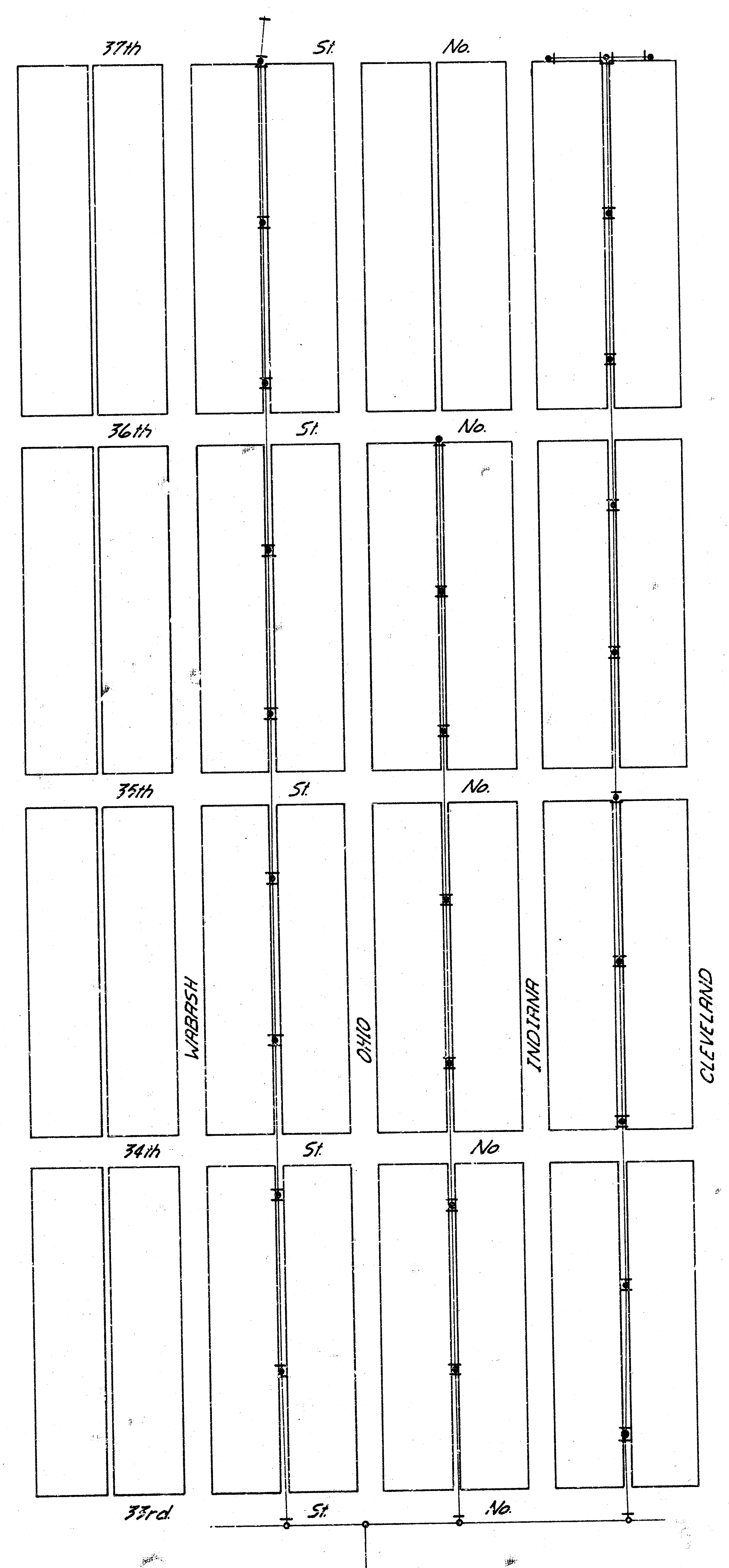
CITY OF WICHITA
Dept. of Engineering

REVISED ALIGNMENT
SHEET 5 VOID

ENGINEER JMT
DRAWN BY JP
DATE: 9-19-80

ENGTECH JW
SCALE NOT 5/1
SHEET 50 OF 51

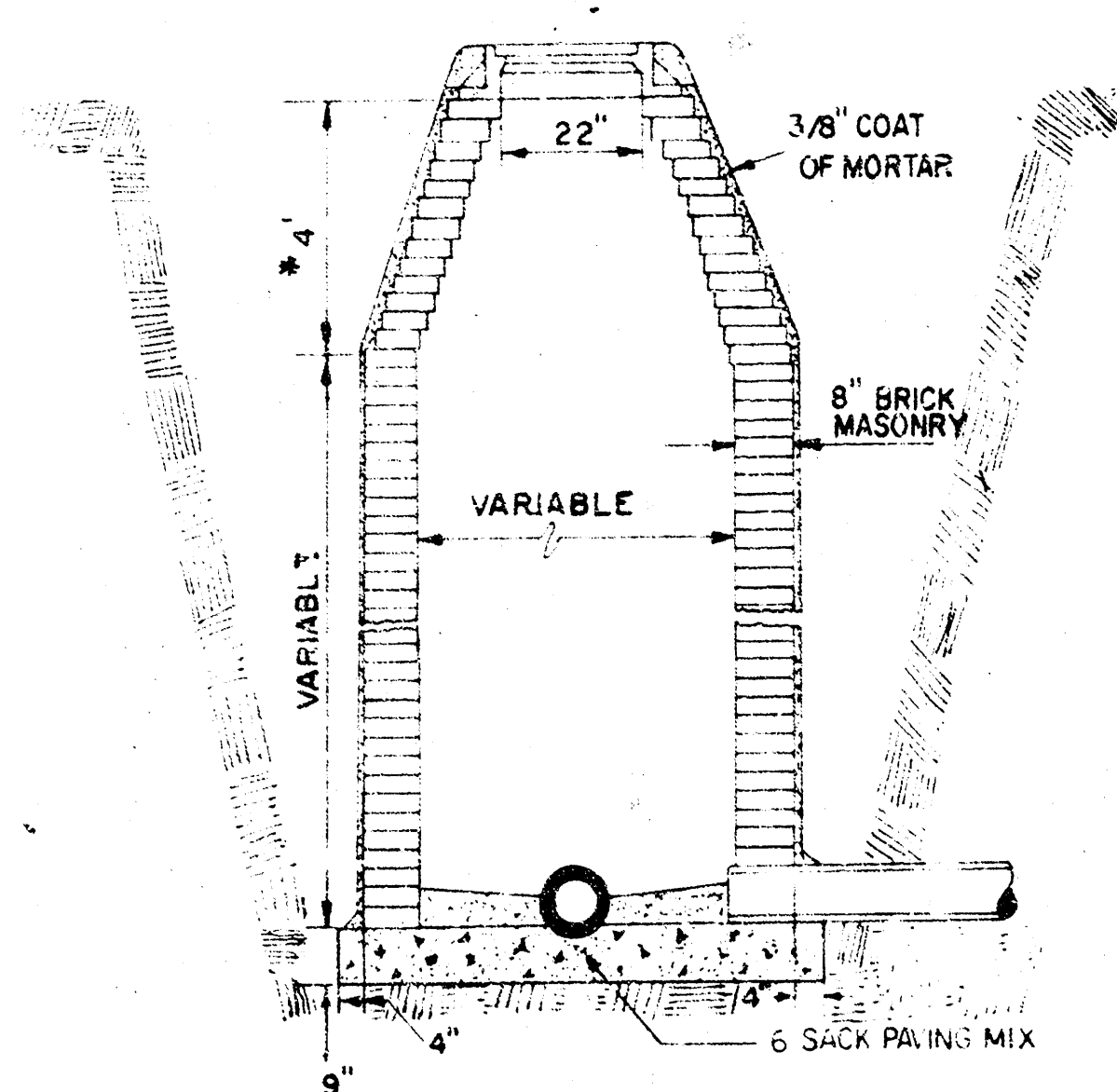




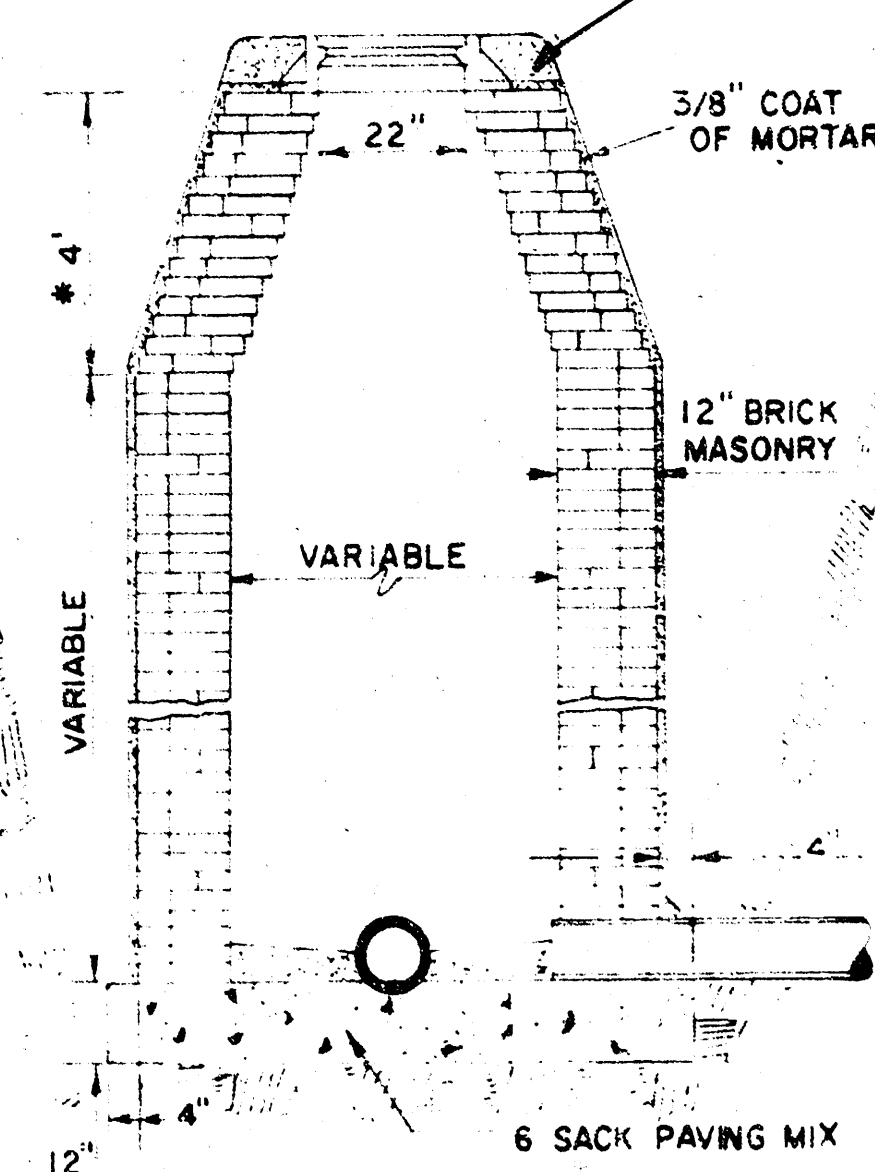
- Manholes to be Abandoned
- Manholes to Remain in Service
- + Pipes to be Plugged

NOTE
The Existing Sewer Line between
Wabash & Ohio is not to be Abandoned
Until the Proposed Line is in Place
and in Service.

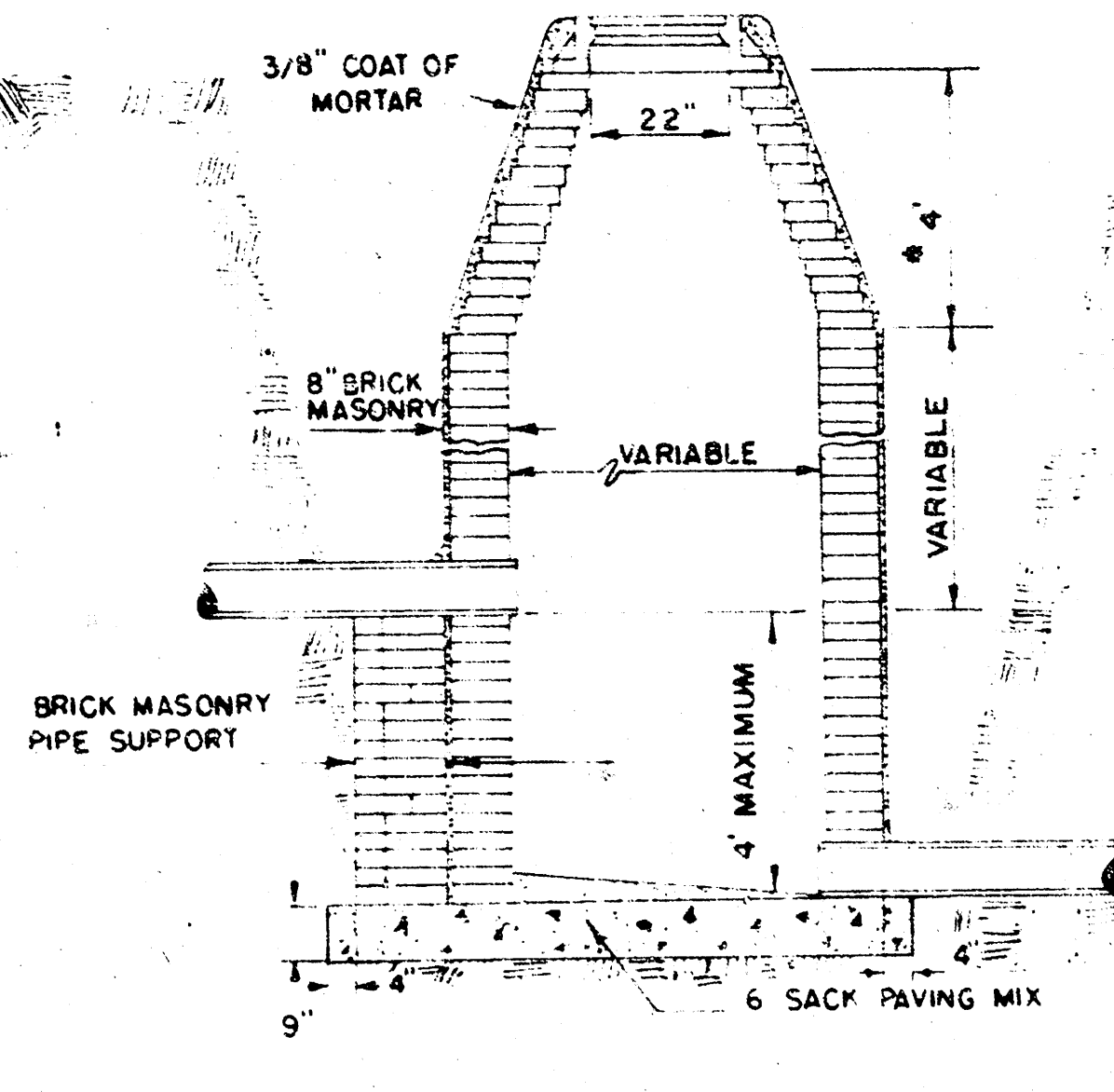
GROUT IN UNPAVED AREAS TYP.



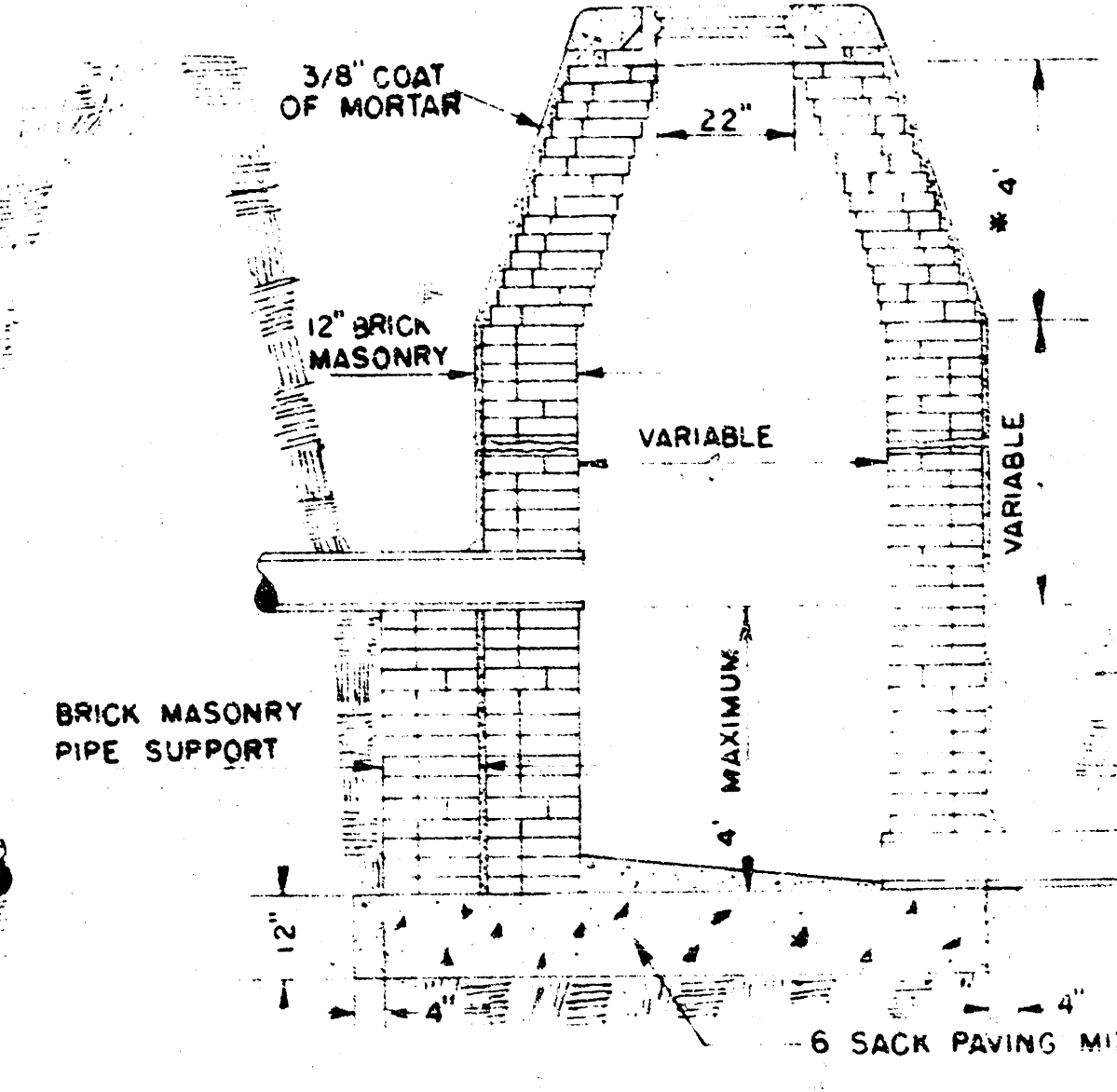
STANDARD MANHOLE
TYPE "A"



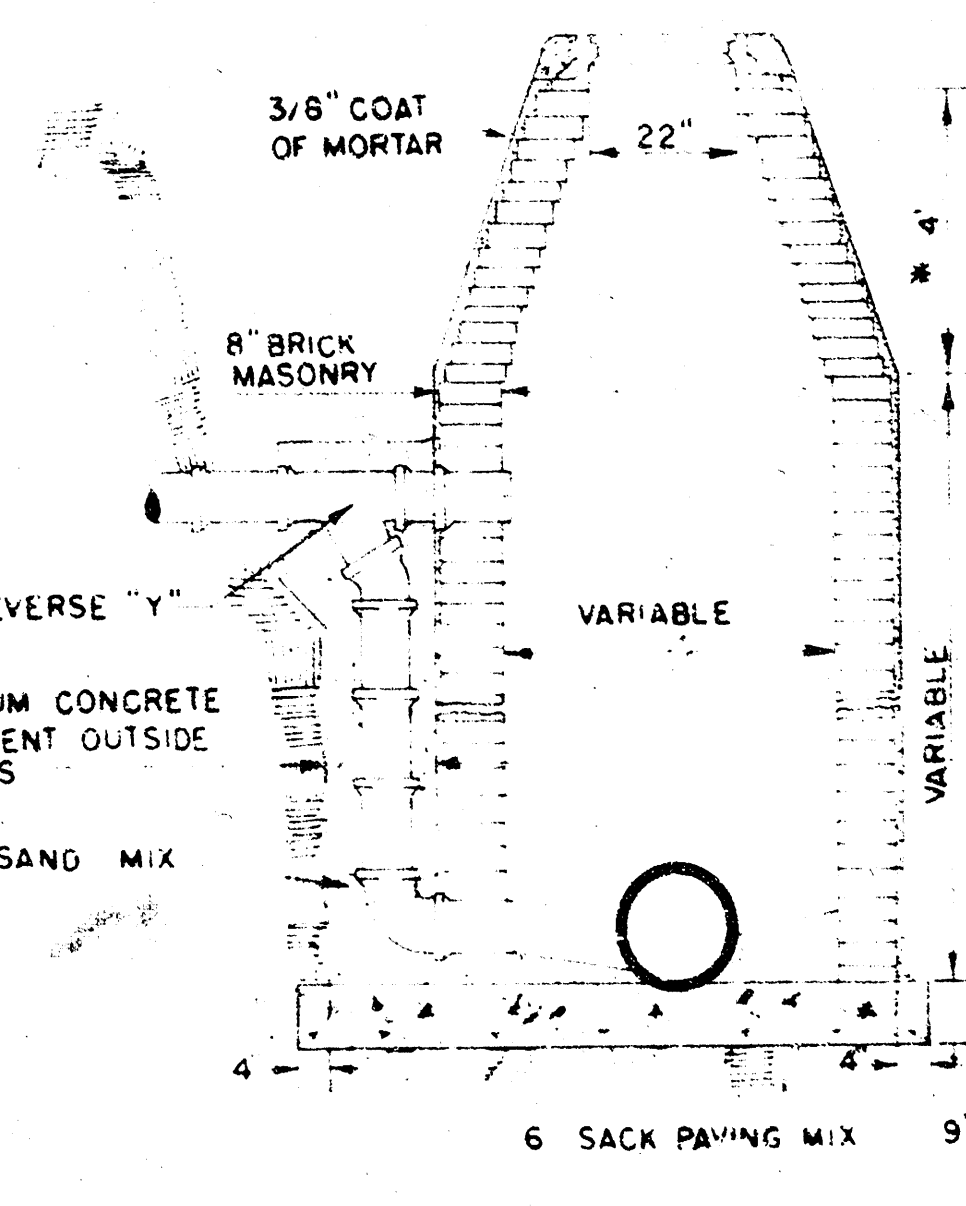
STANDARD MANHOLE
TYPE "B"



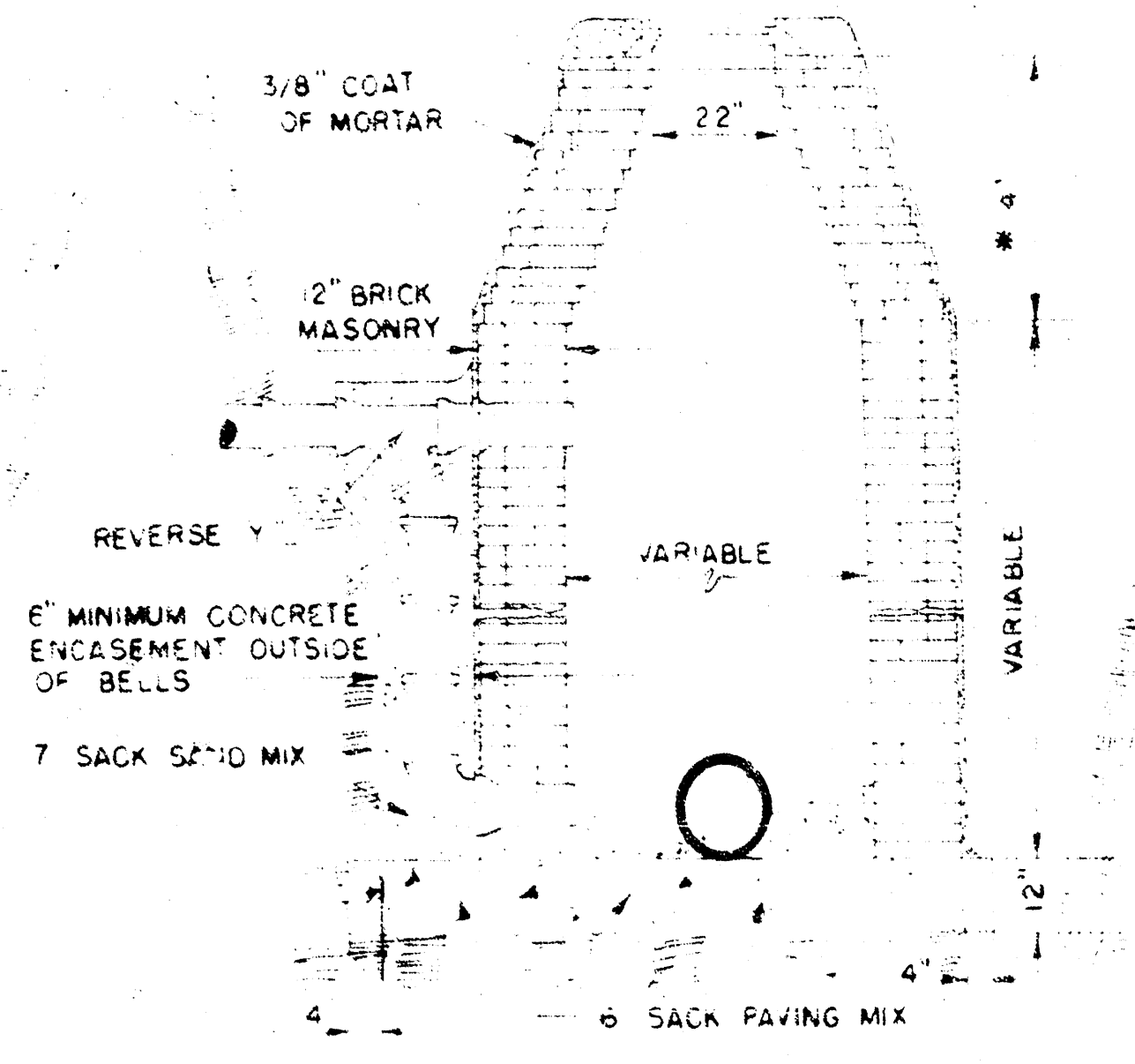
DROP MANHOLE
TYPE "A"



DROP MANHOLE
TYPE "B"



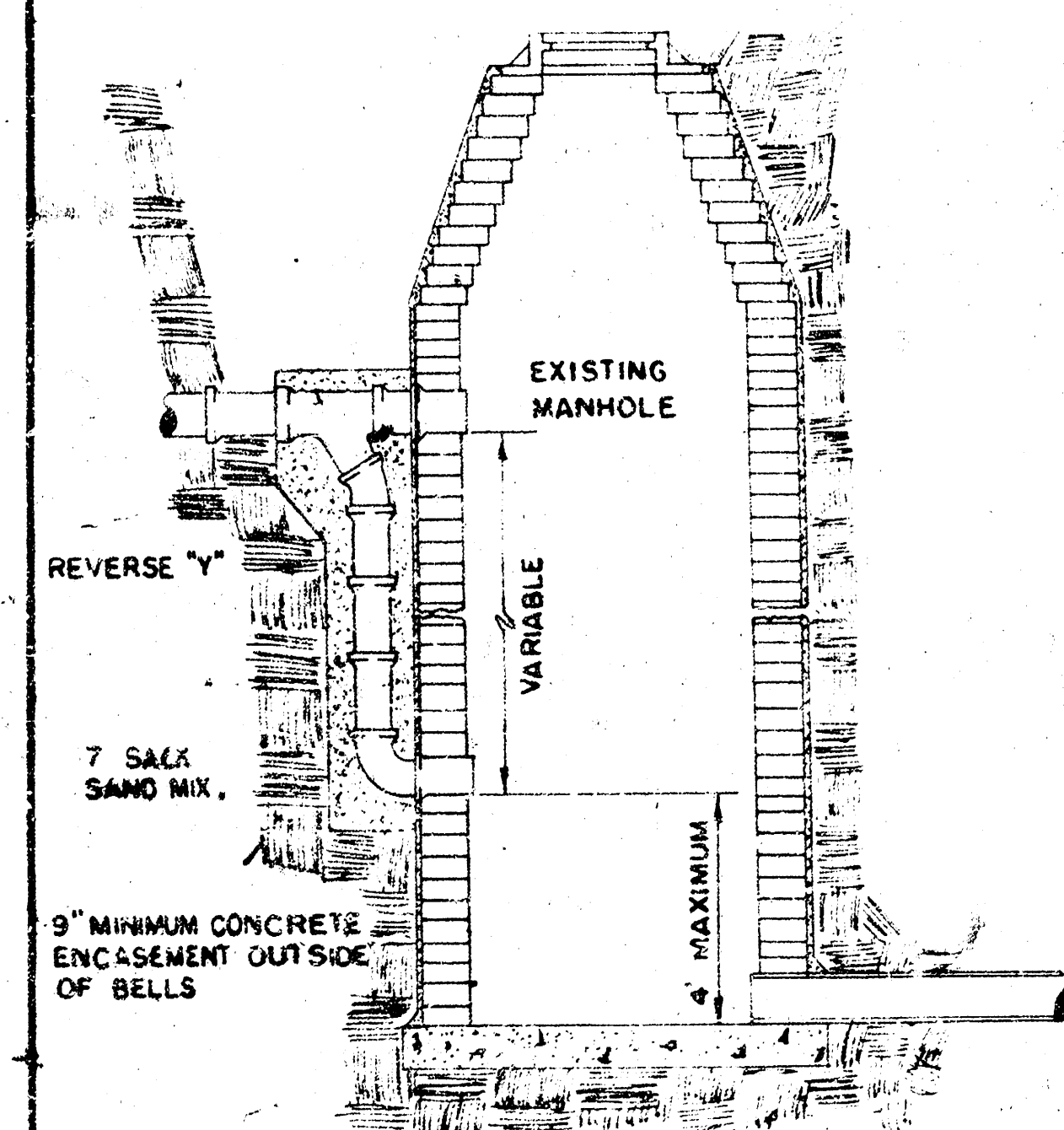
OUTSIDE DROP MANHOLE
TYPE "A"



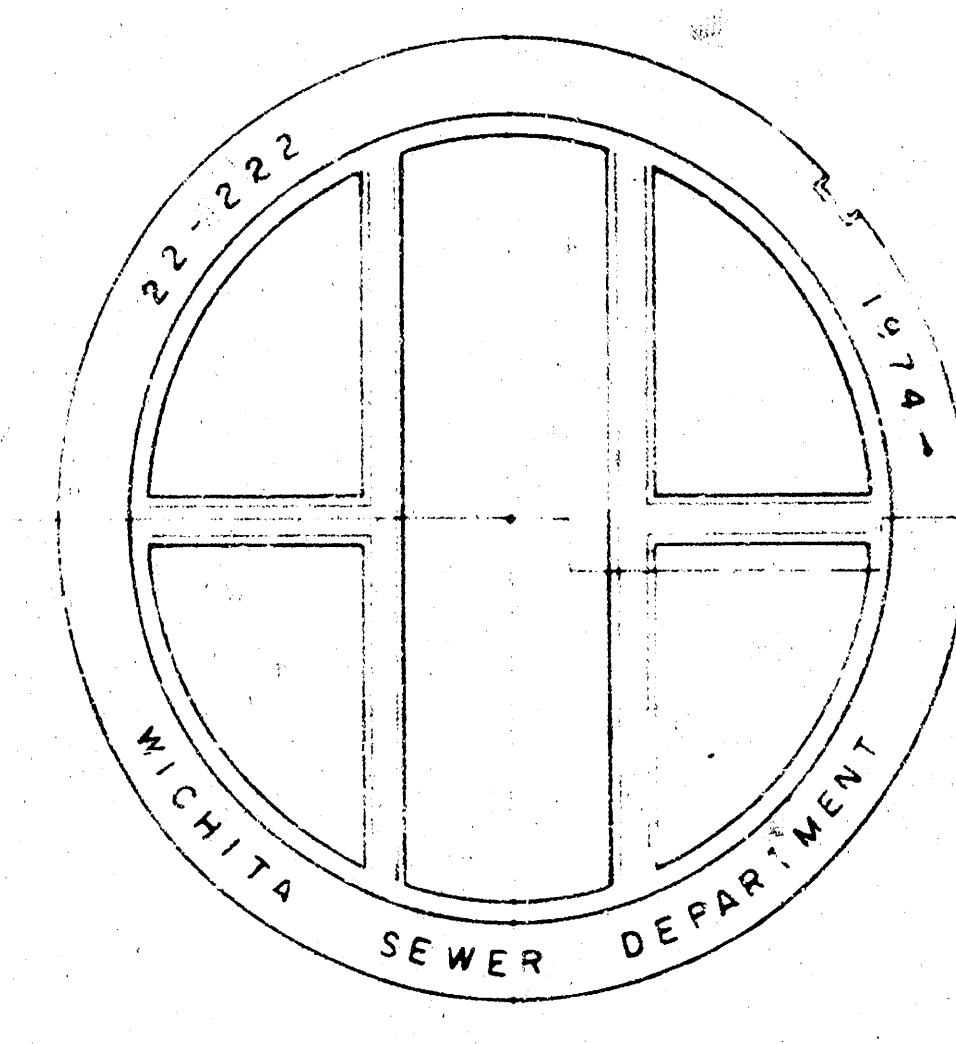
OUTSIDE DROP MANHOLE
TYPE "B"

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

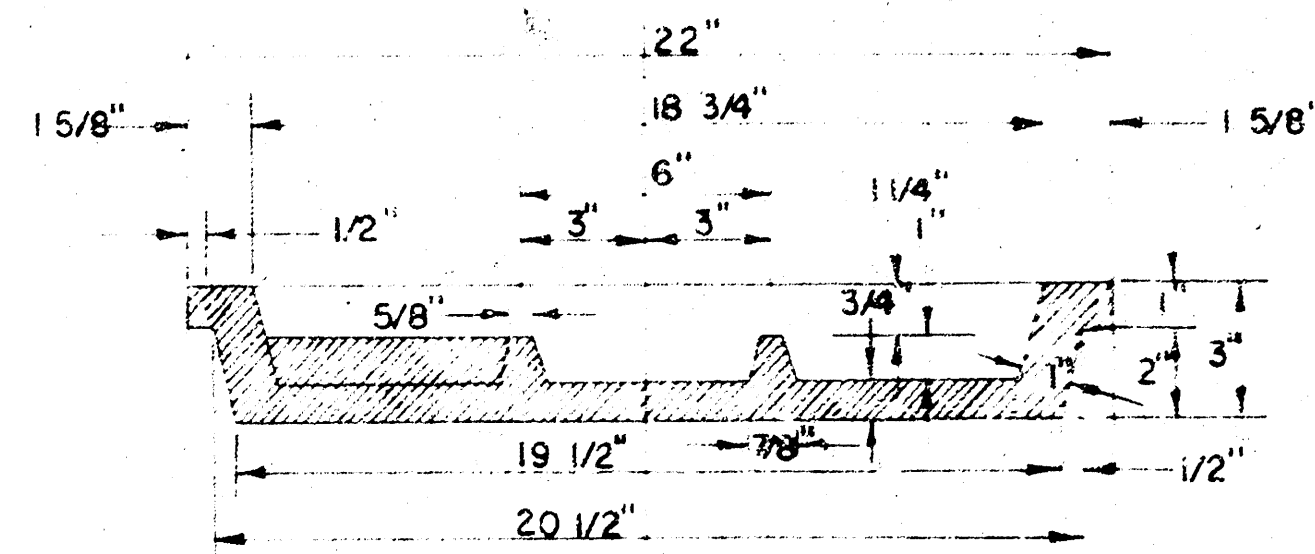
NOTE: REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES 6" ABOVE THE BOTTOM. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE COST OF REINFORCING STEEL IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.



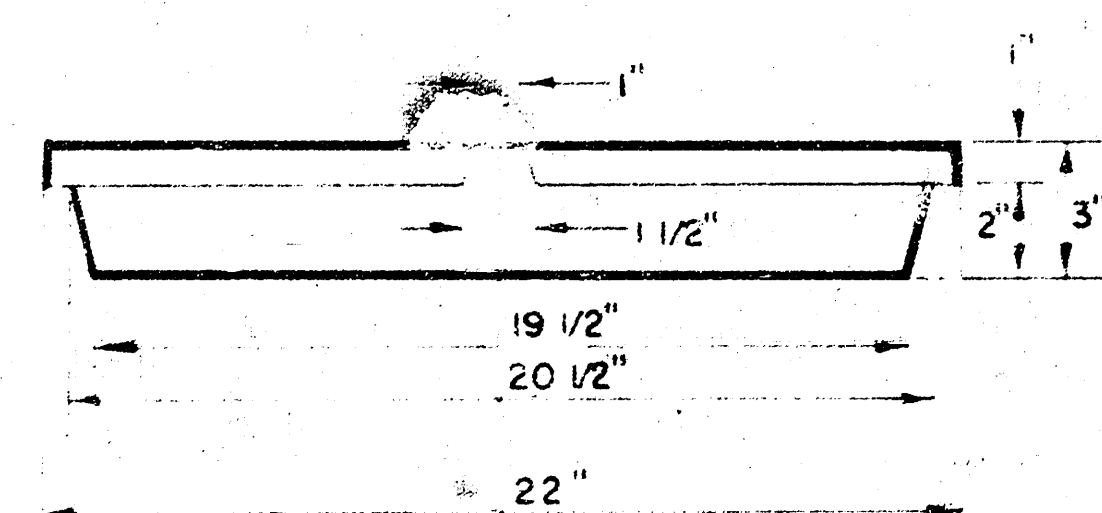
DETAIL OF DROP STACK
FOR EXISTING MANHOLES IN GROUND WATER



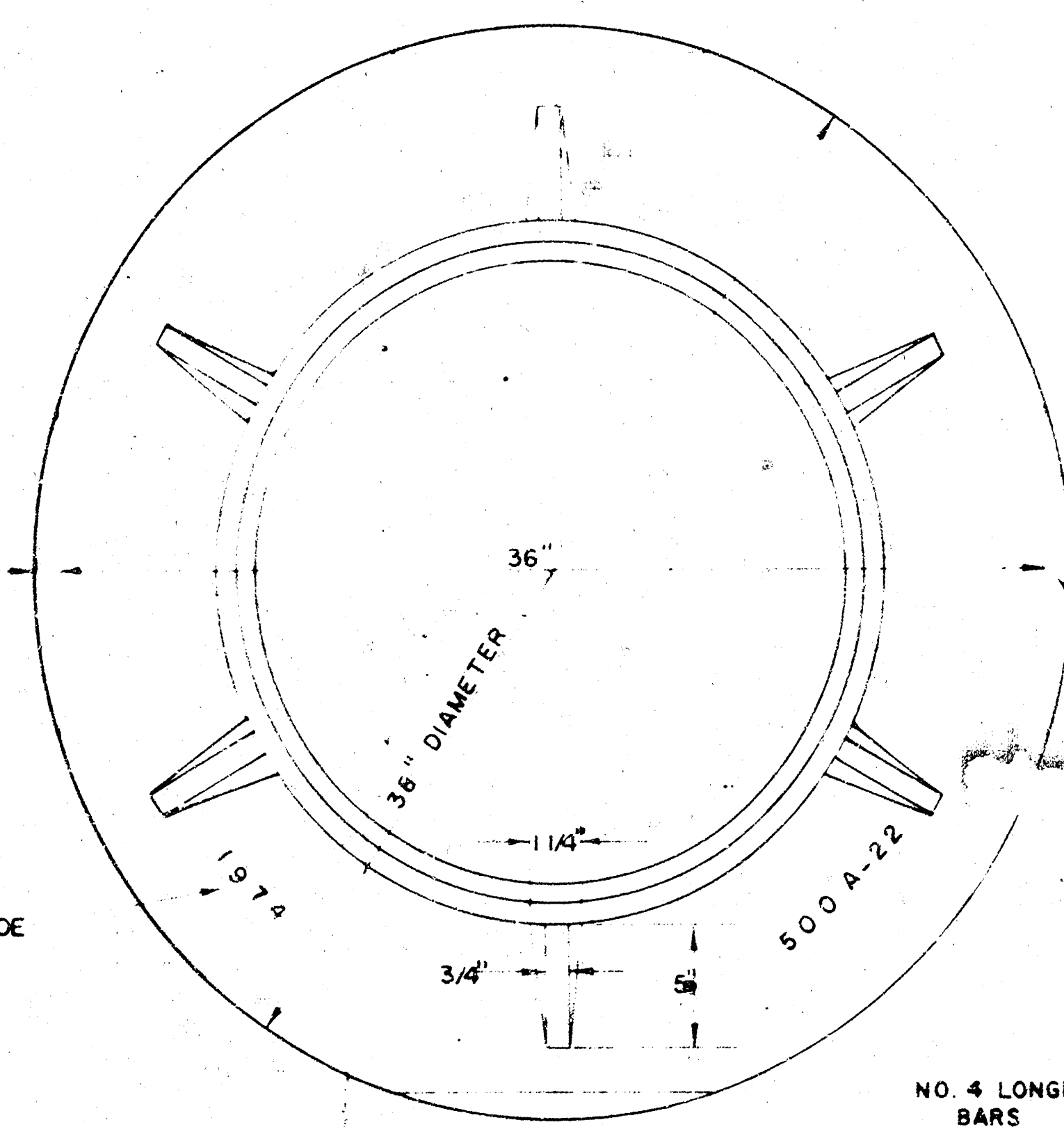
TOP VIEW
MANHOLE COVER
WEIGHT 110 LBS.



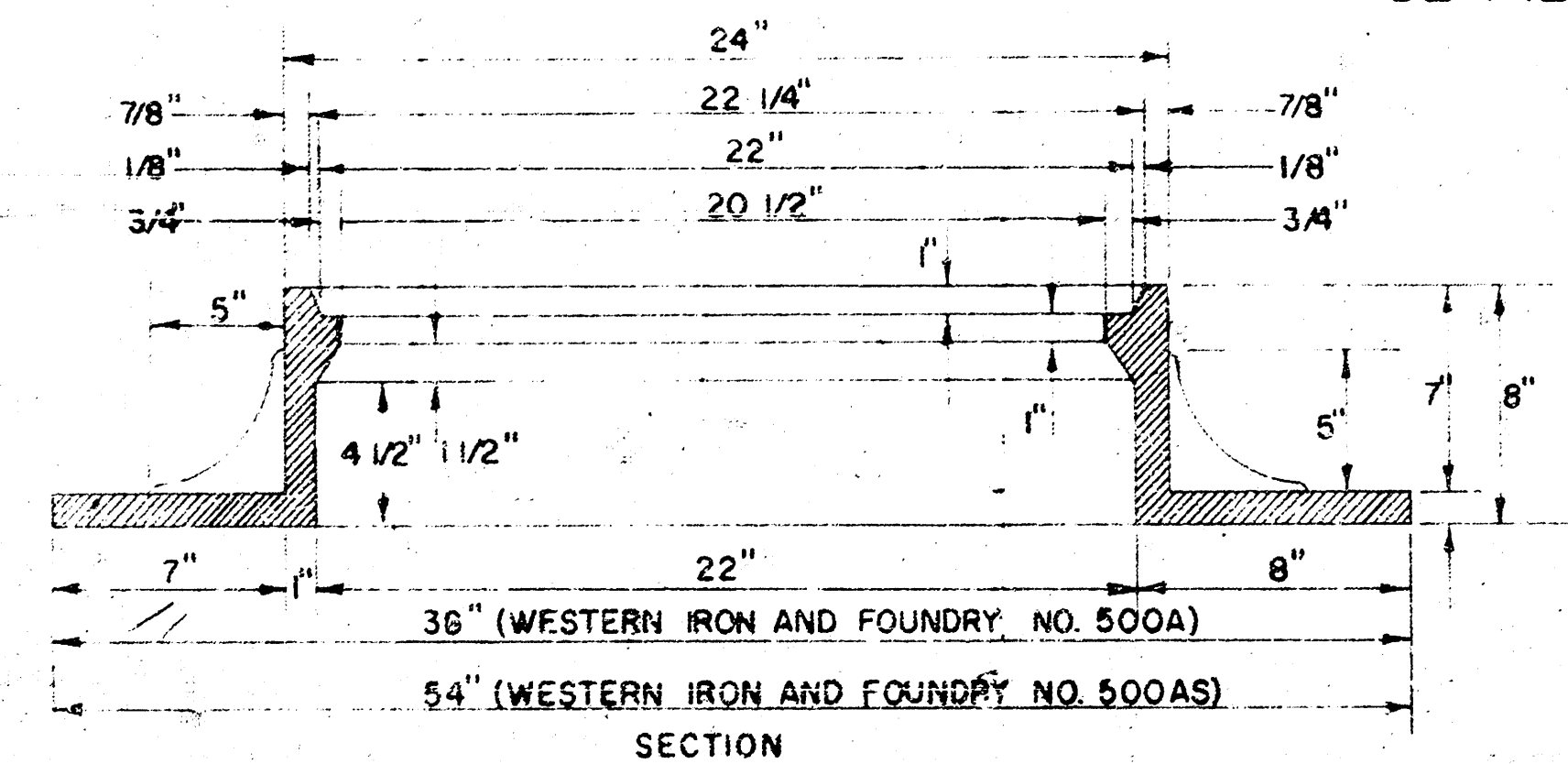
SECTION A-A
MANHOLE COVER



SIDE VIEW
MANHOLE COVER

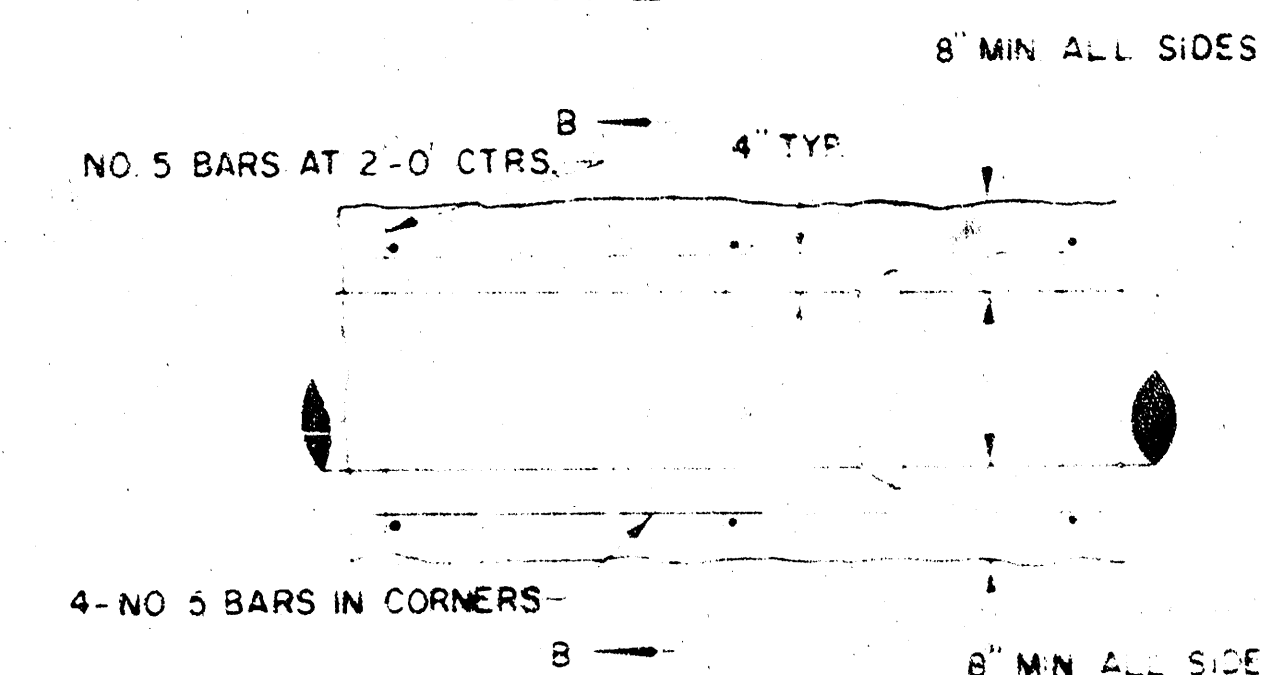


TOP VIEW
MANHOLE RING
WEIGHT 325 LBS. RING NO. 500A
WEIGHT 800 LBS. RING NO. 500AS

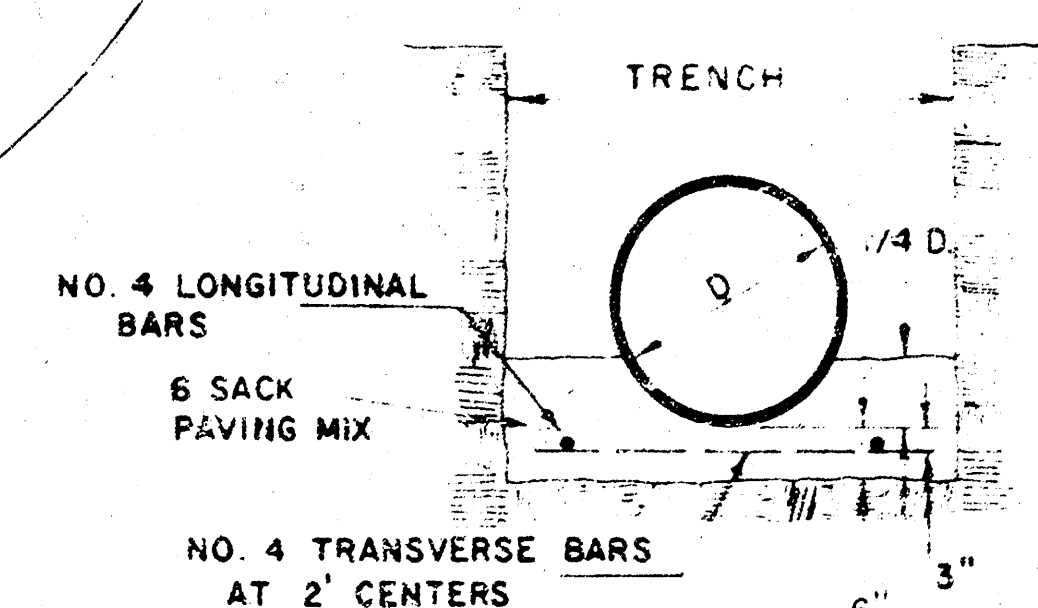


MANHOLE RING

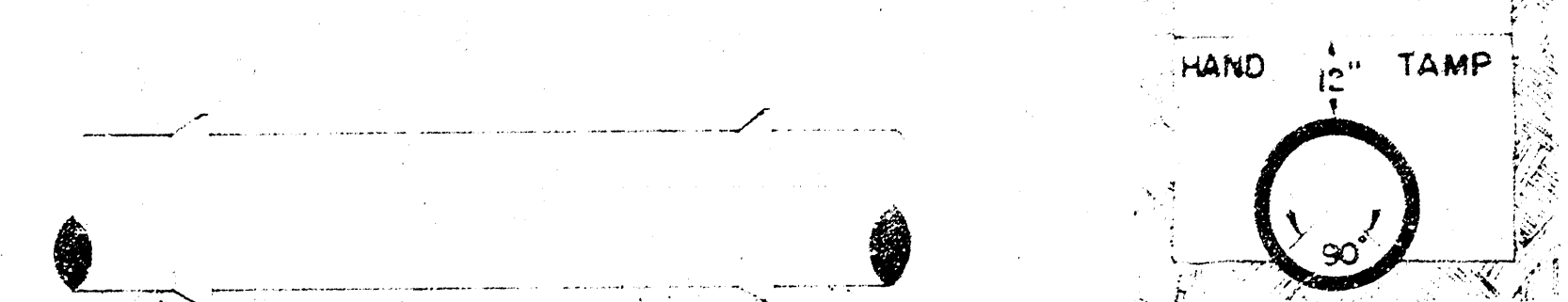
OUTSIDE CIRCUMFERENCE OF COVER AND THE INNER FACE AND SEAT OF RING TO BE MACHINE FIT.



REINFORCED CONCRETE ENCASEMENT



DETAIL OF CONCRETE CRADLE



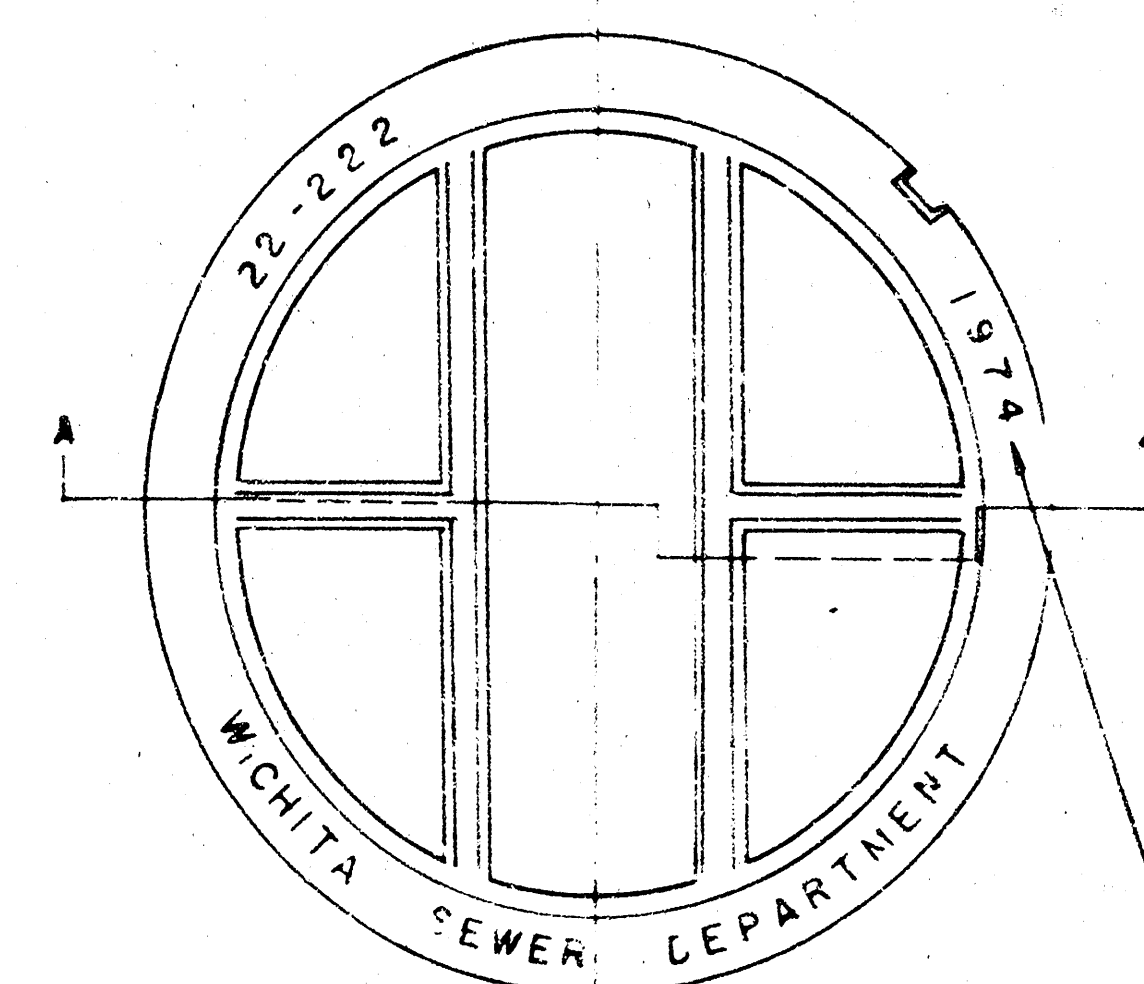
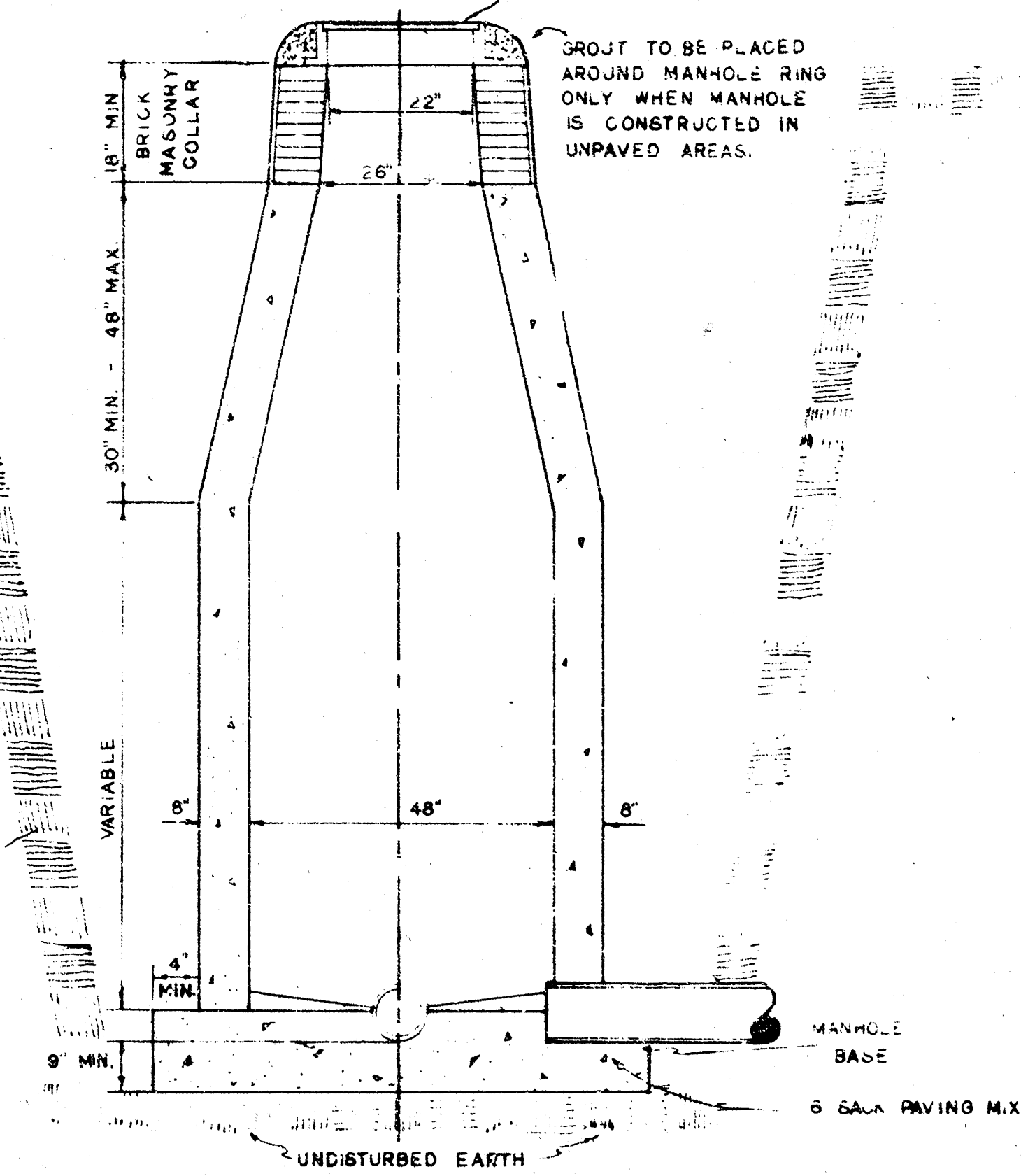
ORDINARY BEDDING METHOD
STORM SEWER PIPE

- 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.

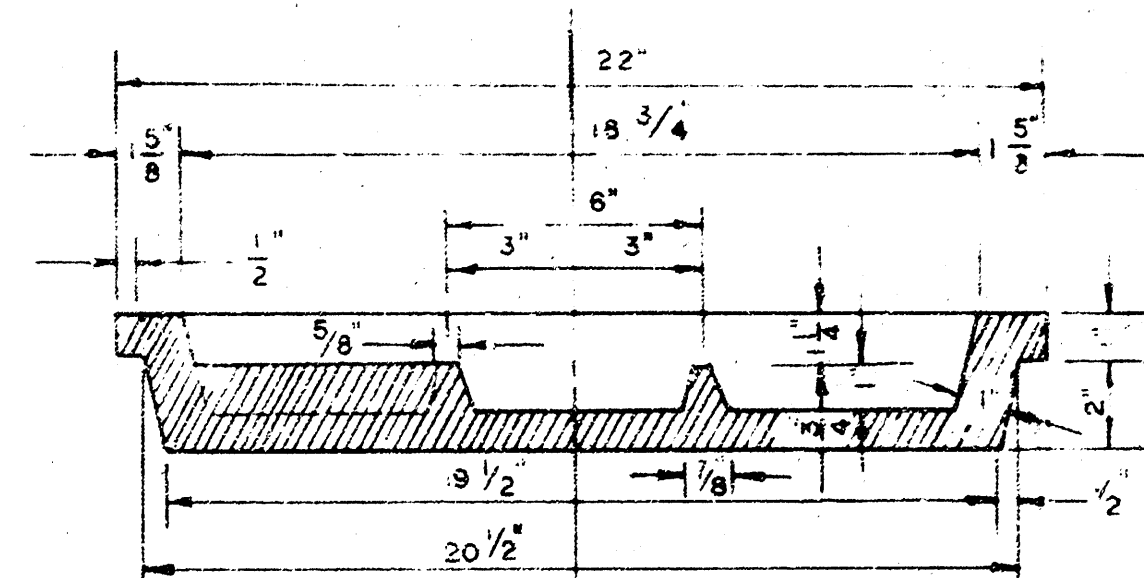
REVISED 4-13-77
DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
1974 Sht. 2 of 3

STANDARD MANHOLE, TYPE "C"

RING AND LID AS SPECIFIED

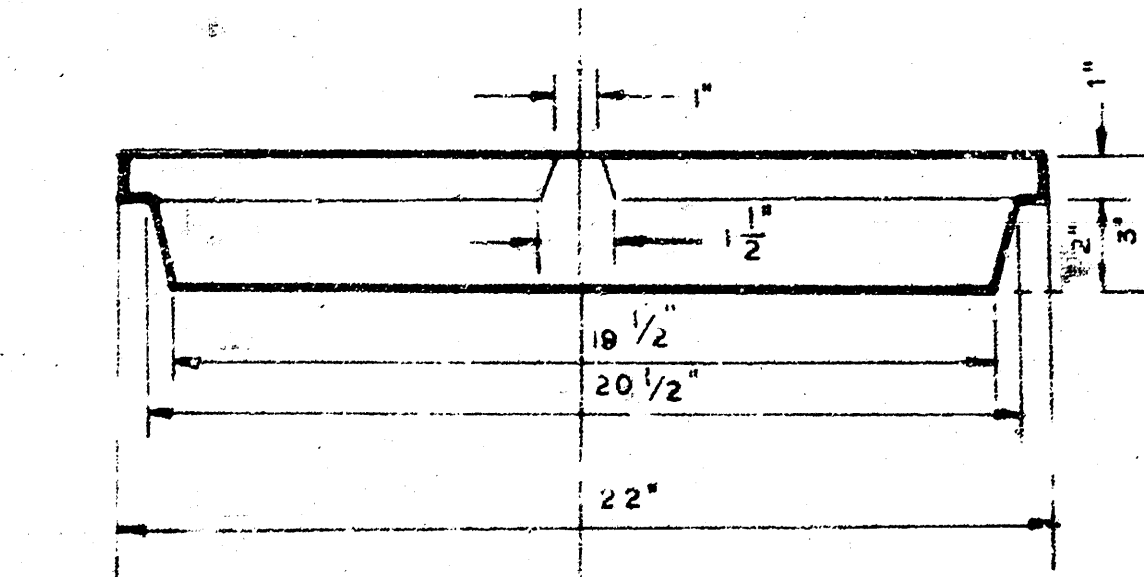


MANHOLE COVER



SECTION A-A

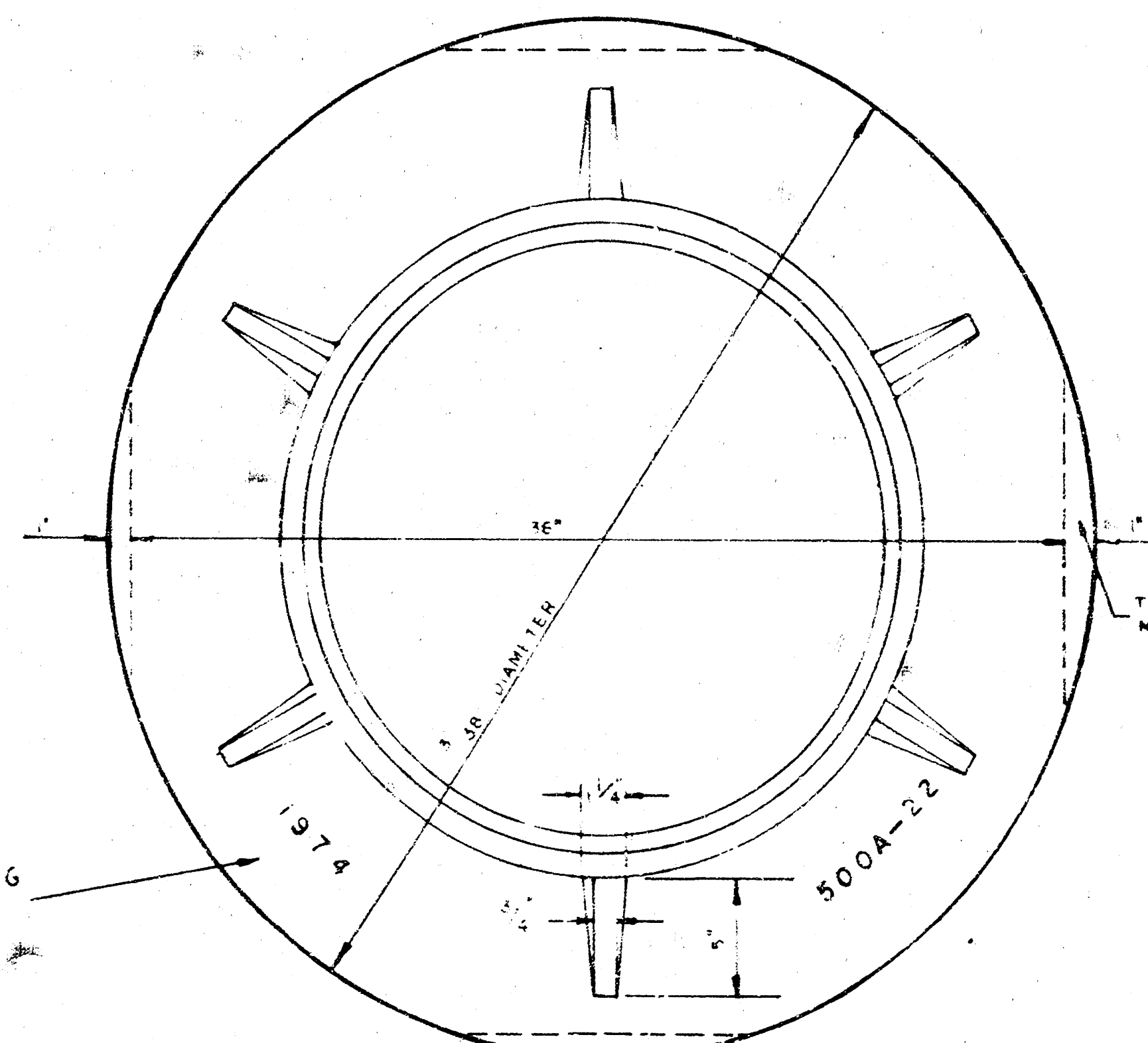
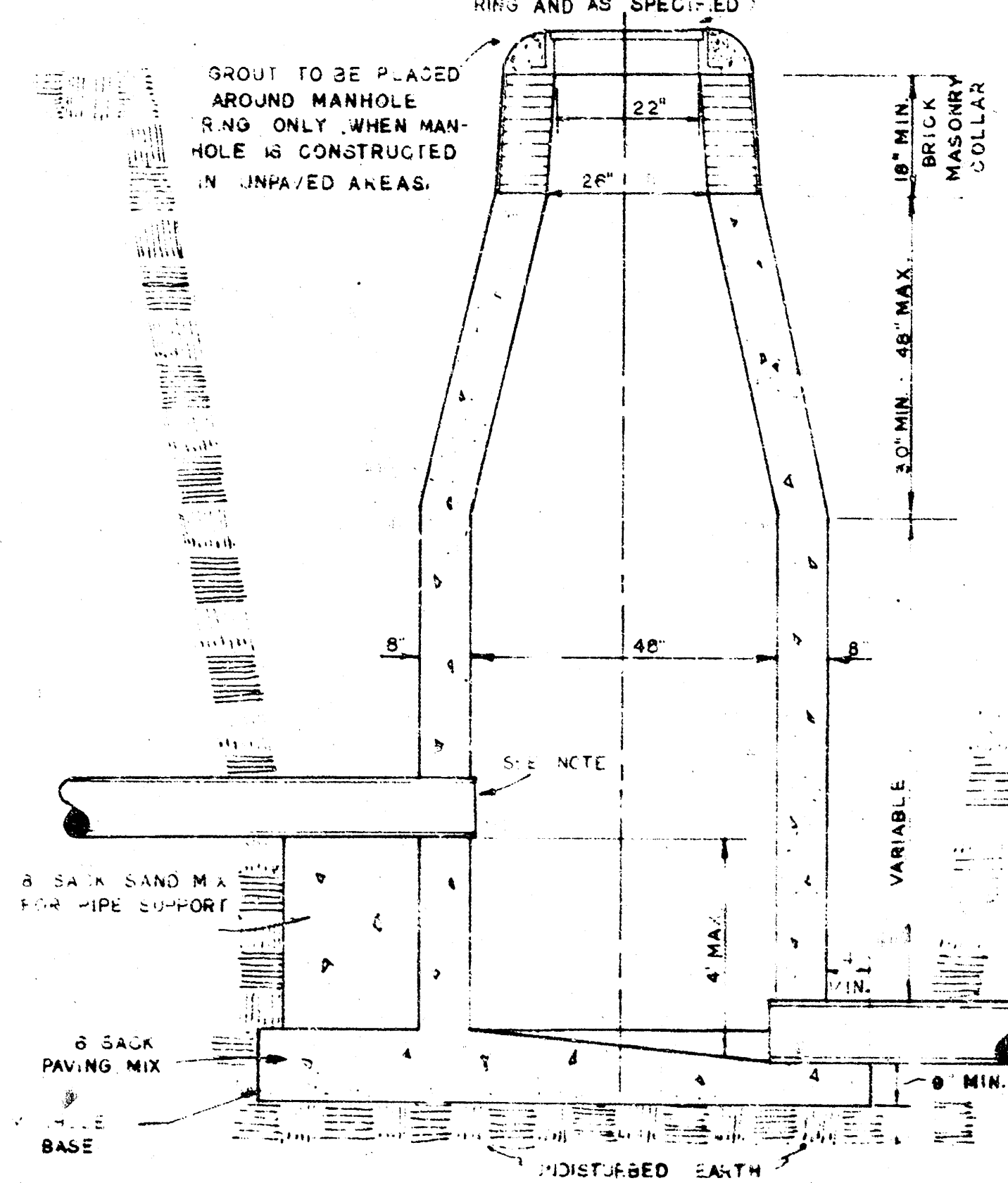
MANHOLE COVER



MANHOLE COVER

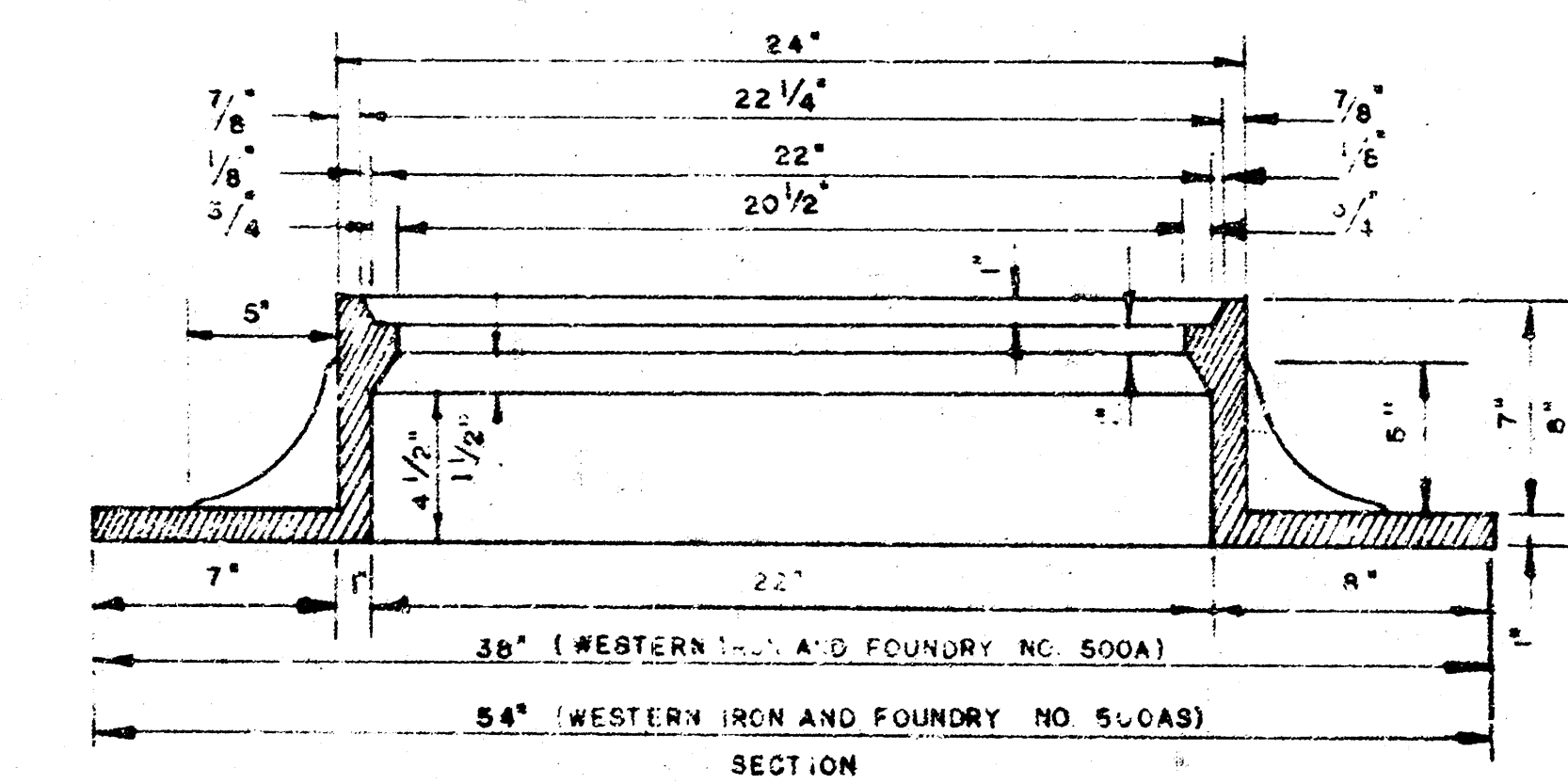
DROP MANHOLE, TYPE "C"

RING AND LID AS SPECIFIED



MANHOLE RING

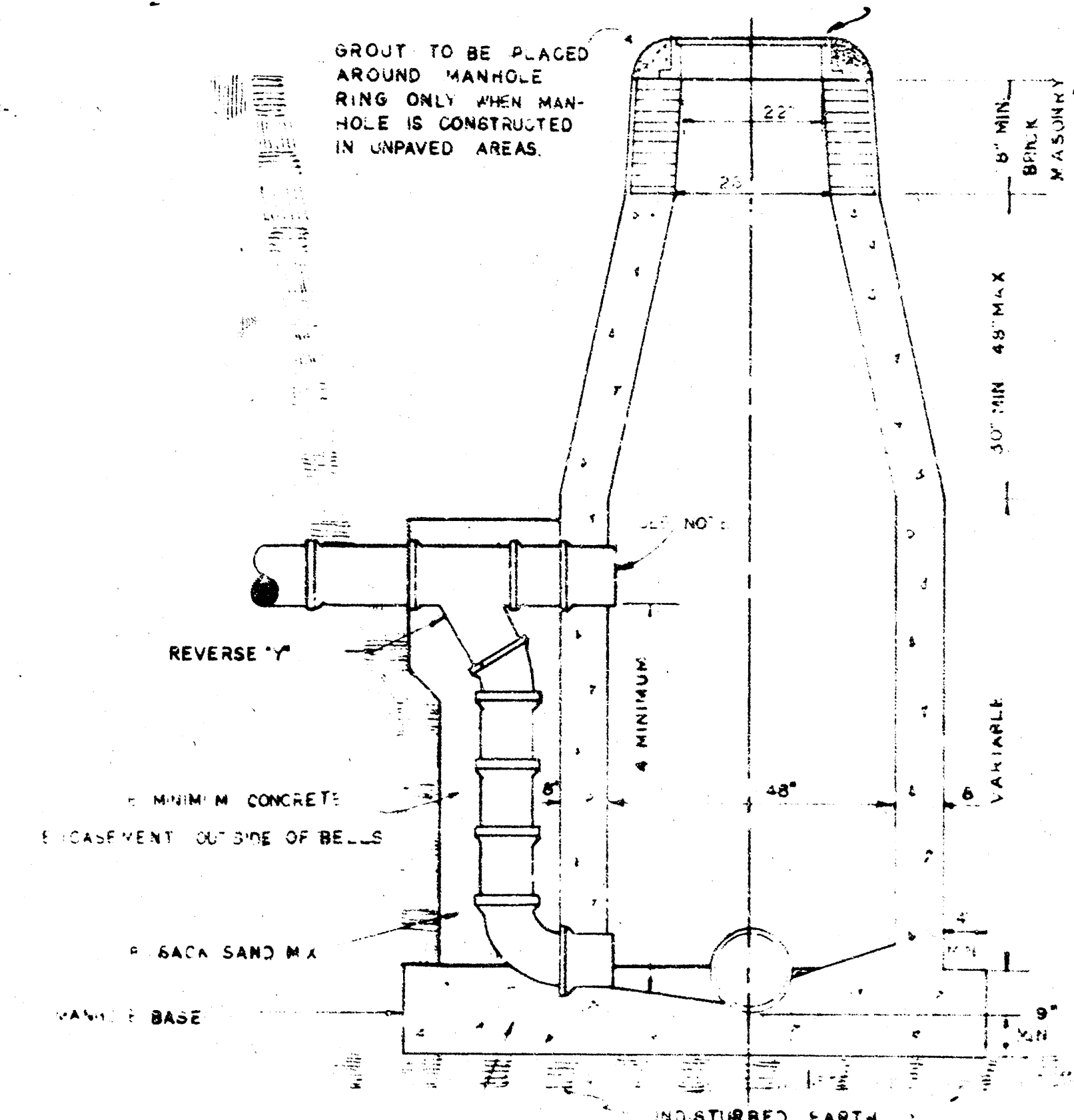
WEIGHT 325 LBS. RING NO. 500A
WEIGHT 800 LBS. RING NO. 500AS



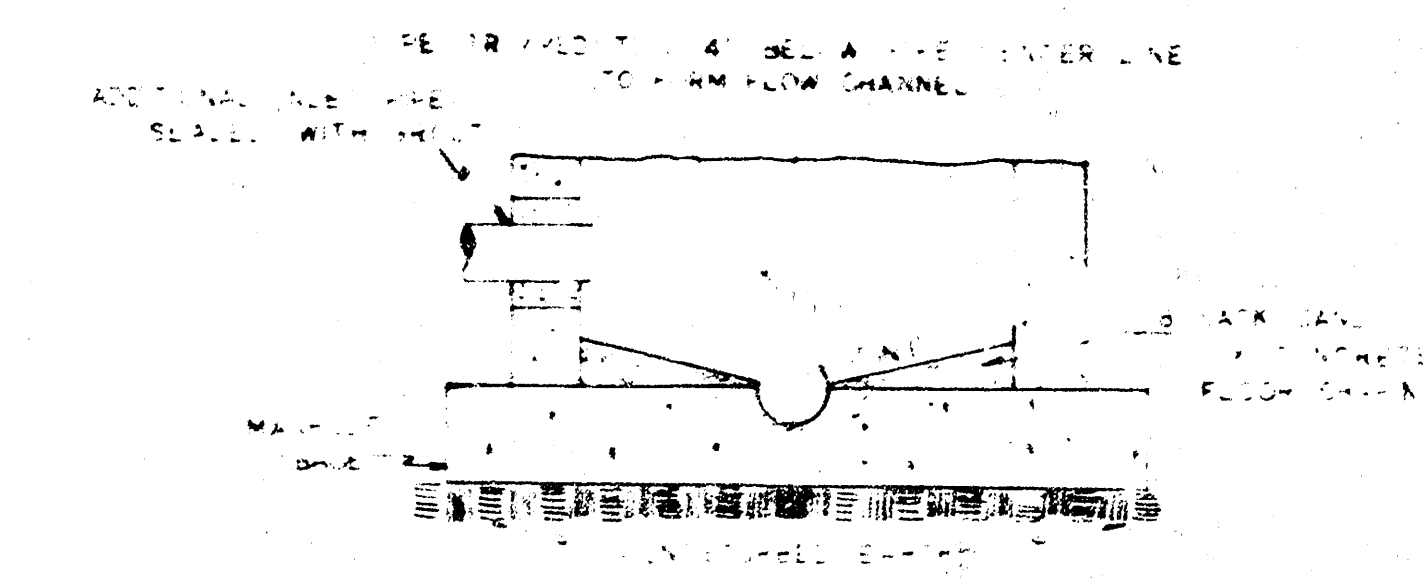
MANHOLE RING

OUTSIDE DROP MANHOLE, TYPE "C"

RING AND LID AS SPECIFIED



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.



SECTIONAL ELEVATION-INVERT

NOTE: OPENING FOR INLET PIPE CUT IN MANHOLE WALL AND PIPE GROUTED IN PLACE WITH NON-SHRINKING GROUT. EXTERIOR OF COMPLETED CONNECTION TO BE SEALED WITH APPROVED COATING.

GENERAL NOTES

MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.

STANDARD MANHOLES TYPE "C" AND STANDARD 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 FT. UNLESS INDICATED OTHERWISE. MANHOLES WITH PIPE SIZES LARGER THAN 24" SHALL BE 5 FT. DIAMETER.

THE FLOORS OF ALL MANHOLES SHALL BE SHAPED TO INCREASE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.

CAST IN PLACE CIRCULAR CONCRETE MANHOLES ARE TO BE CONSTRUCTED ONLY ON SEWERS NOT SUBJECT TO DETERIORATION OF CONCRETE DUE TO FORMATION OF HYDROGEN SULFIDE GAS AND IN LOCATIONS WHERE IT IS OBVIOUS THAT ANY ADJUSTMENT OF THE MANHOLE TOP ELEVATION WHICH MAY BE NECESSARY WILL NOT REQUIRE MODIFICATION OF THE CONCRETE BARREL.

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.

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

SH. 9 of SH. 9