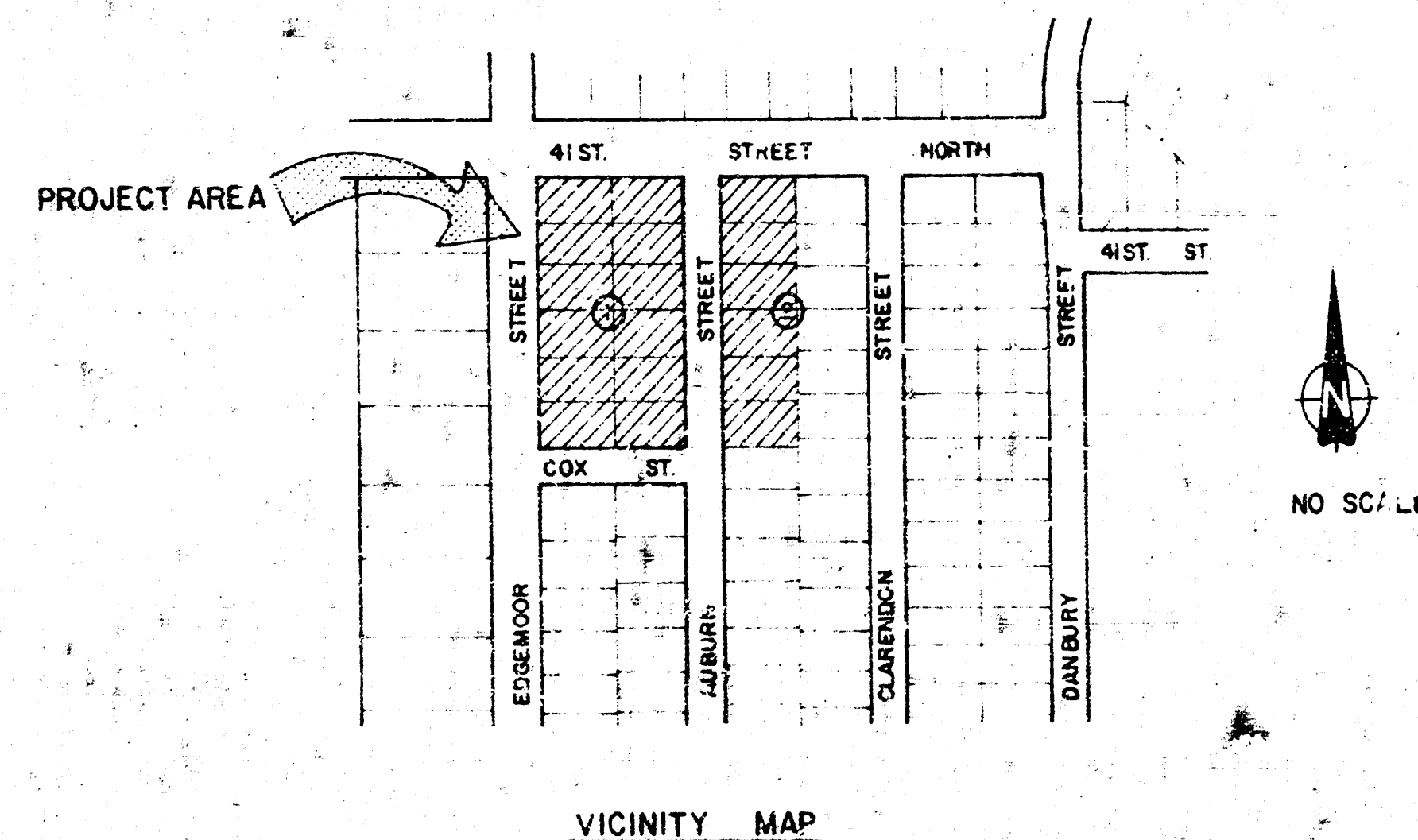


FOR

BEL AIRE VILLAGE SECOND ADDITION

BEL AIRE, KANSAS

1983



NOTE TO CONTRACTOR

This project will be constructed under the supervision of the CITY ENGINEER and conforming to the SPECIFICATIONS of the CITY OF WICHITA. The CONTRACTOR will prepay the City of Wichita for all costs of Inspection.

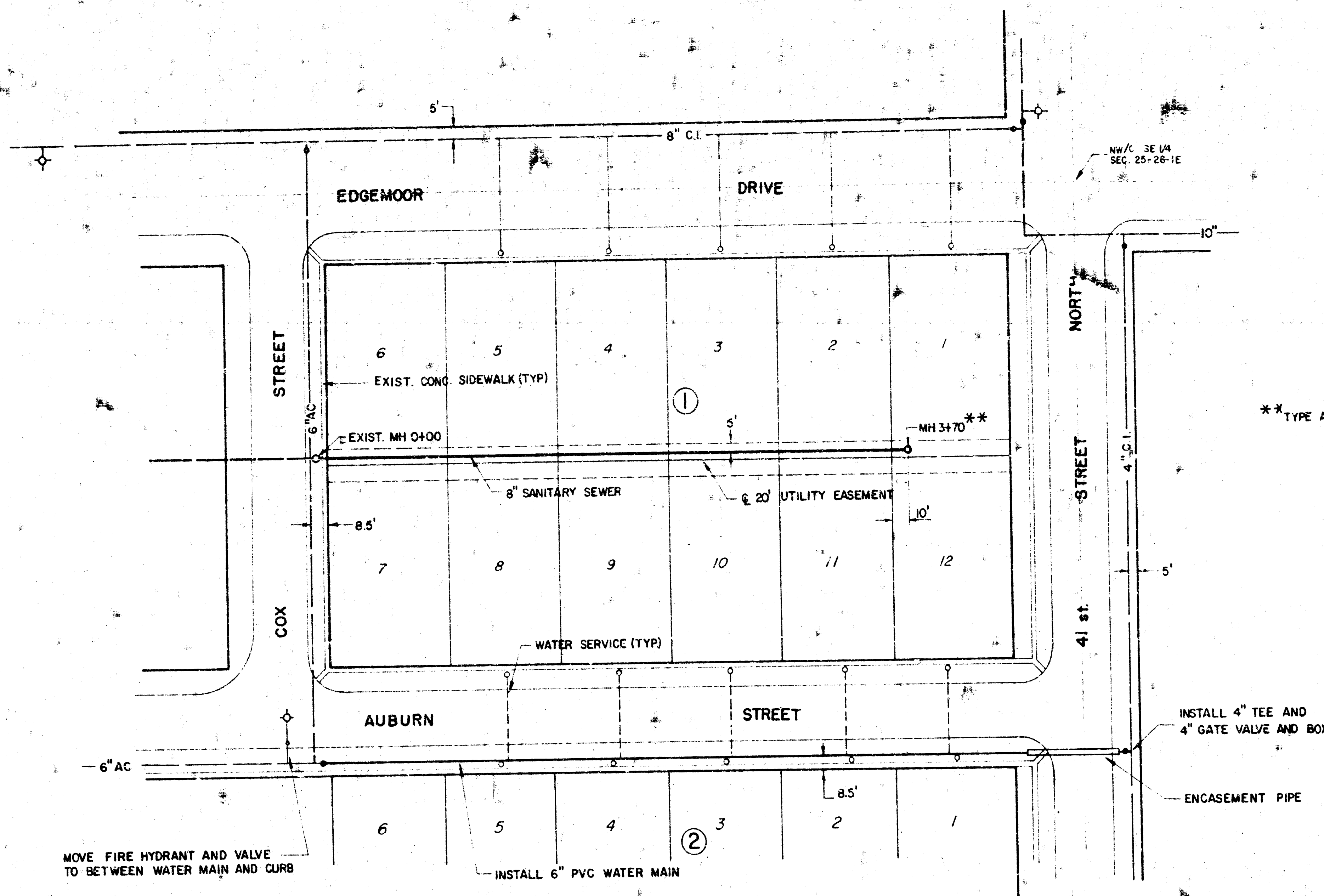
7-7-83

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers
Storm Sewers
Driveway Approaches

REISS & GOODNESS ENGINEERS
2106 WEST 21ST STREET
WICHITA, KANSAS 67203
(316) 832-0213

Proj: # 468-76-245-80000-000-000-008

REVISION	#	DRAWN BY	CHECKED BY	DESIGNED BY	PROJECT	CUSTOMER	SCALE NOTED DATE 6/22/83 SHEET 1/1

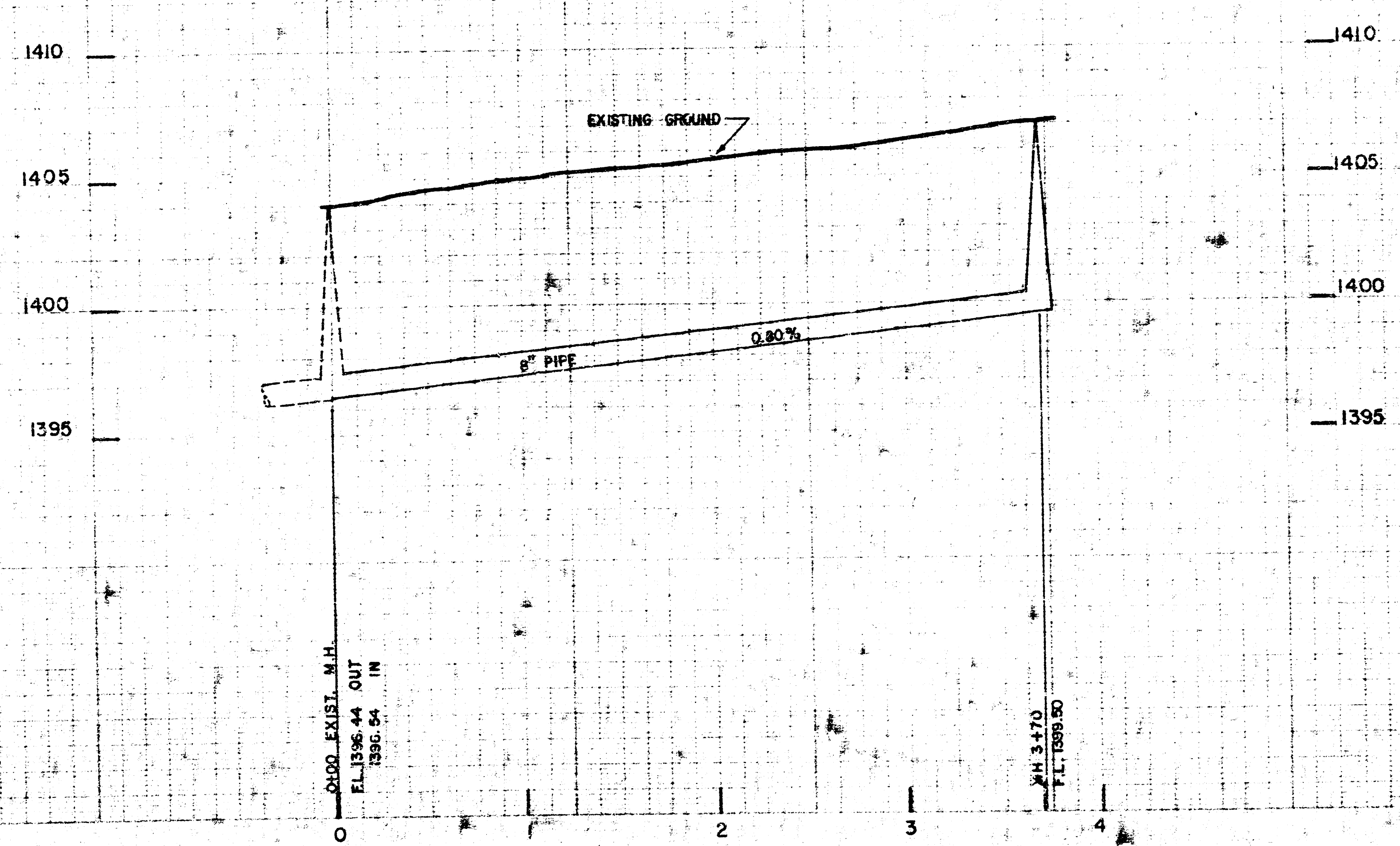


BM
 "MH" ON FIRE HYDRANT, SW COR. EDGEMOOR DRIVE
 AND 41st STREET NORTH
 EL. 1411.27 USGS DATUM

SCALE
 PLAN 1"=50'
 PROFILE 1"=50'
 HORIZ. 1"=50'
 VERT. 1"=4'

LAT. BV-1A EXTENSION

PIPE TO BE PVC, ABS, OR VCP



REVIS 6-30-83
 7-5-83

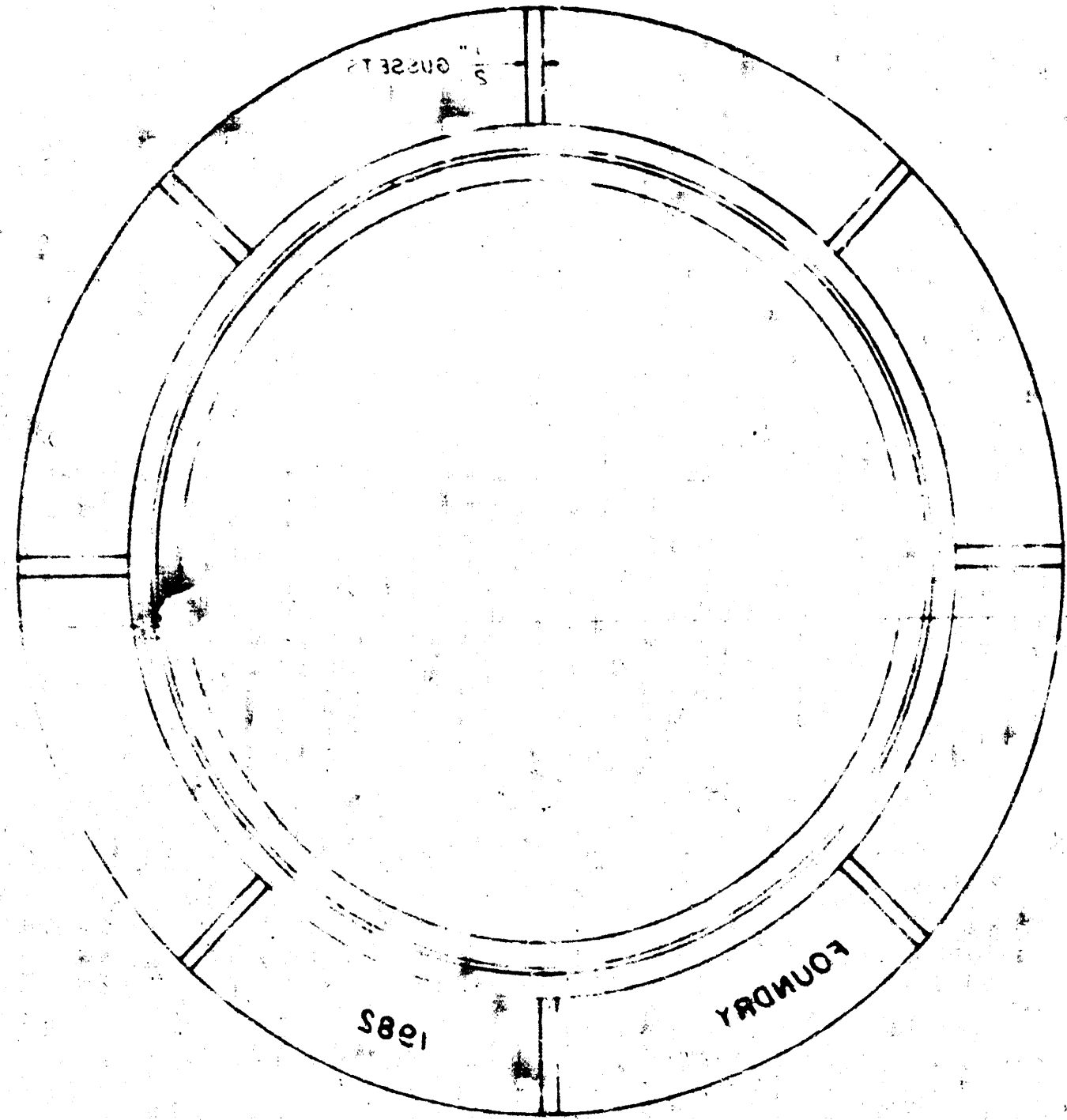
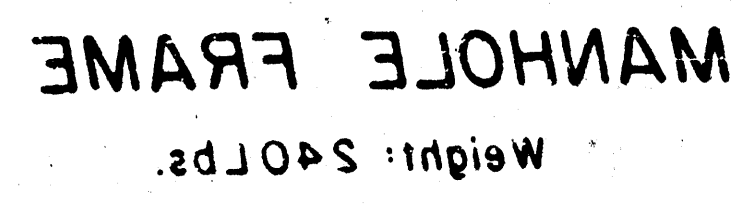
REISS & GOODNESS ENGINEERS
 2100 WEST 21st STREET
 WICHITA, KANSAS 67204
 (316) 822-0200

FILMED FROM THE BEST COPY

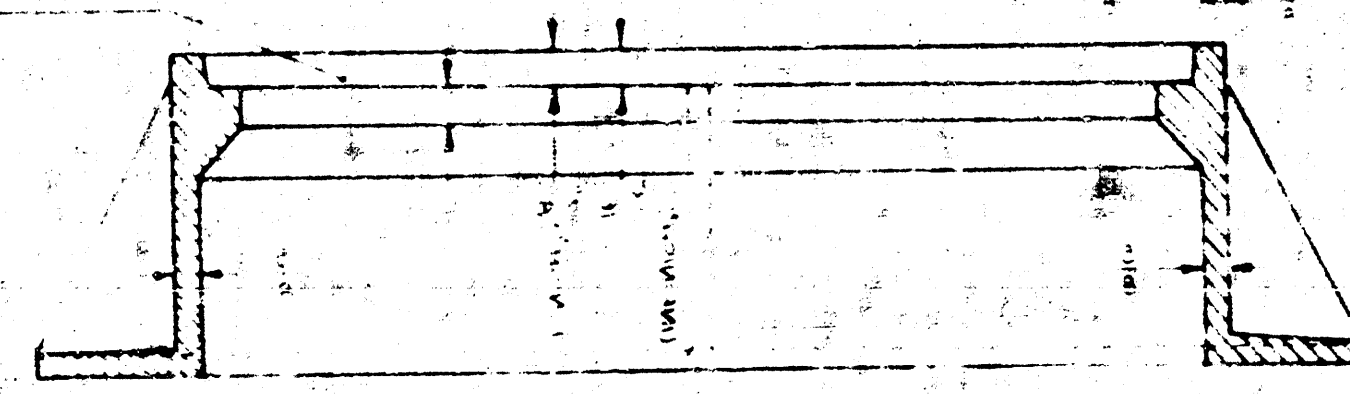
MANHOLE FRAME AND COVER DETAIL

ADAPTED AS STANDARD DESIGN
BY

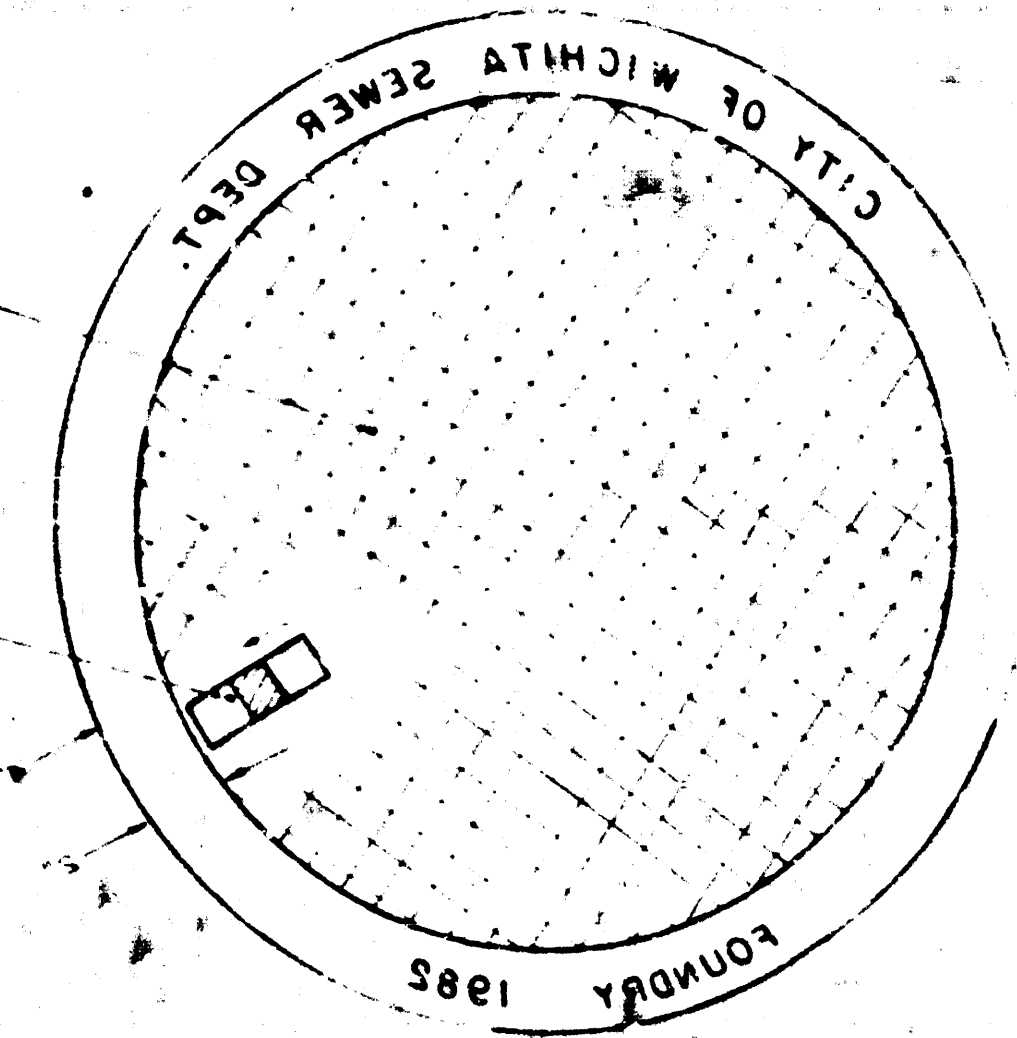
to get the



TOP VIEW



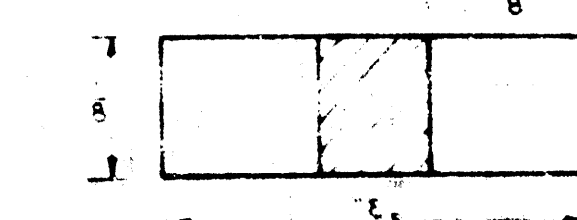
A-A SECTION



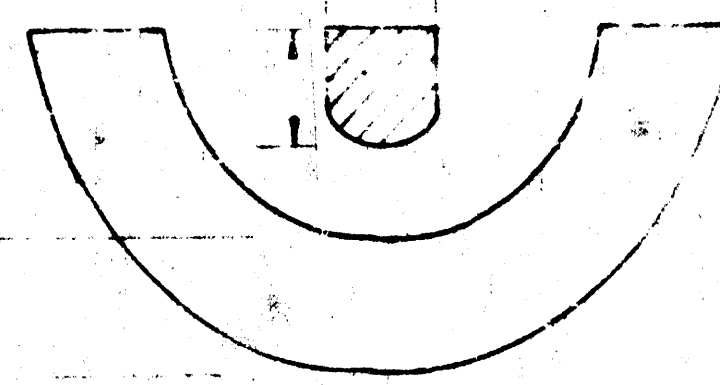
MANHOLE COVER

Weight: 180 lbs.

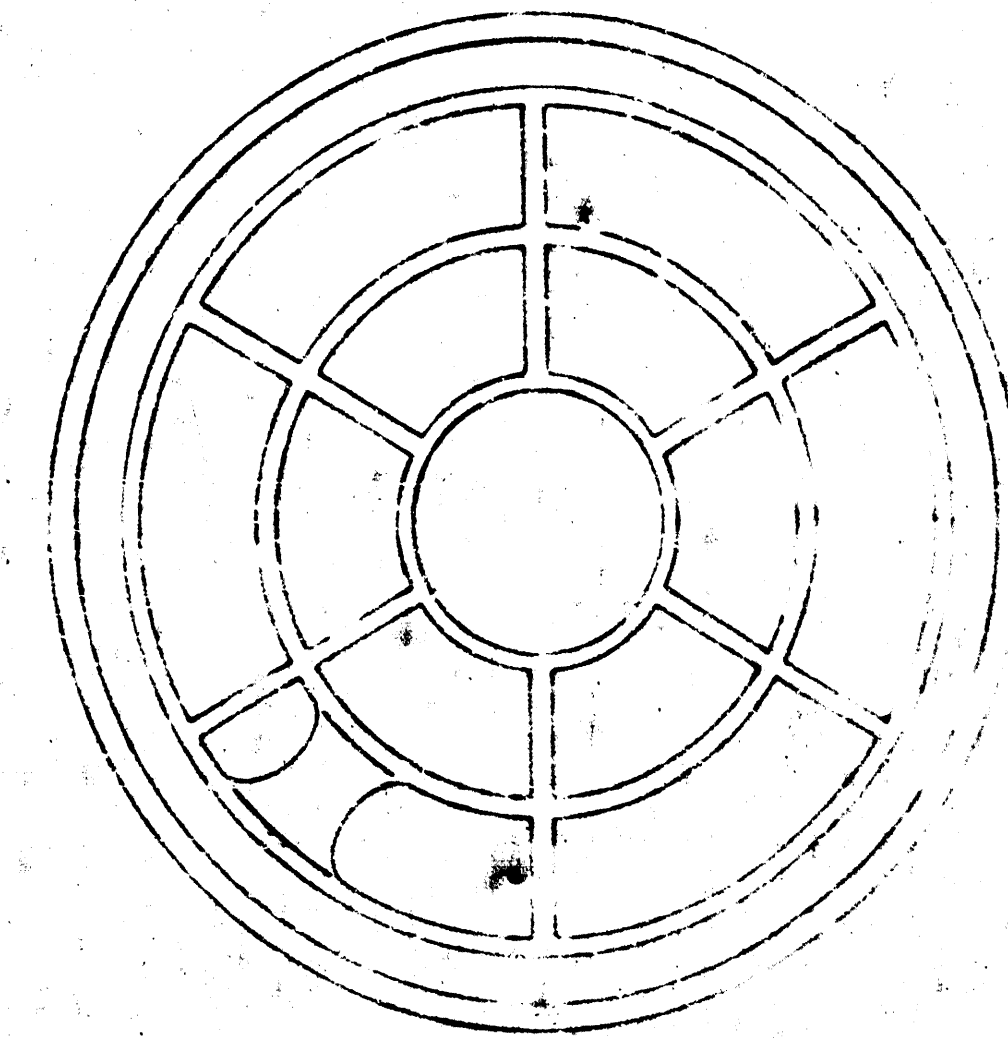
TOP VIEW



TOP VIEW



SECTION VIEW



BOTTOM VIEW

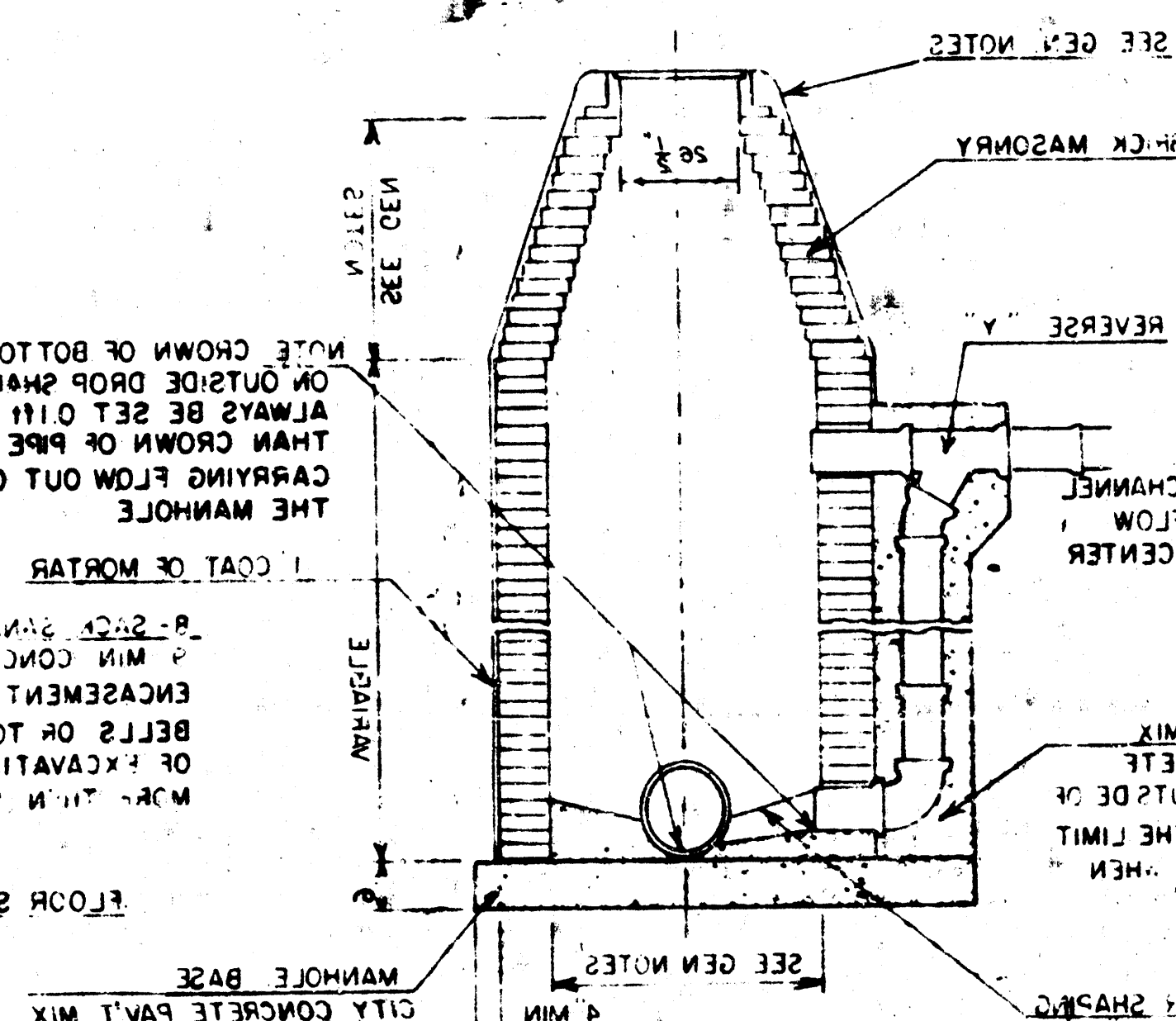


SECTION VIEW

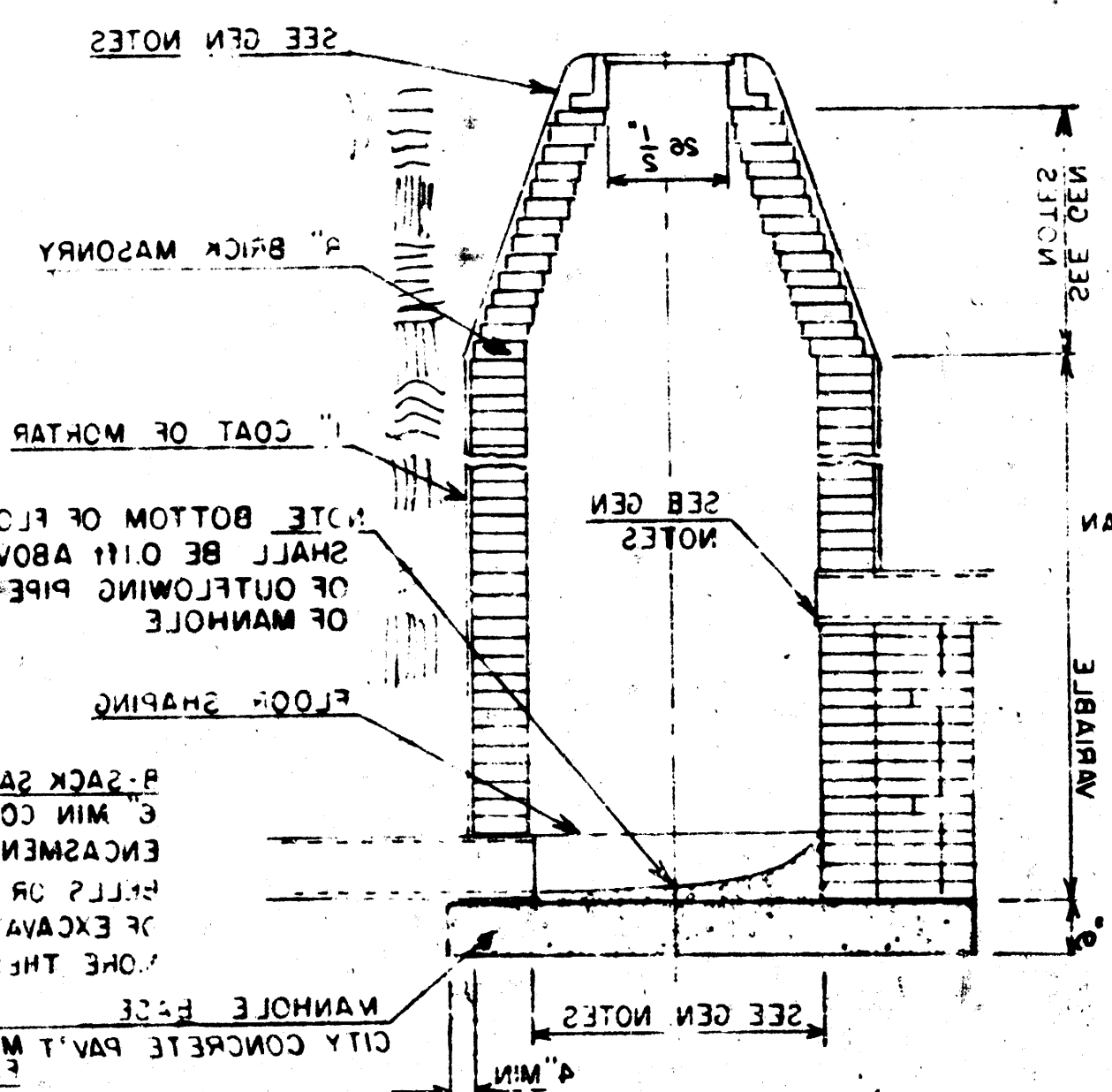
[illegible]

REVISED SEPTEMBER 1980

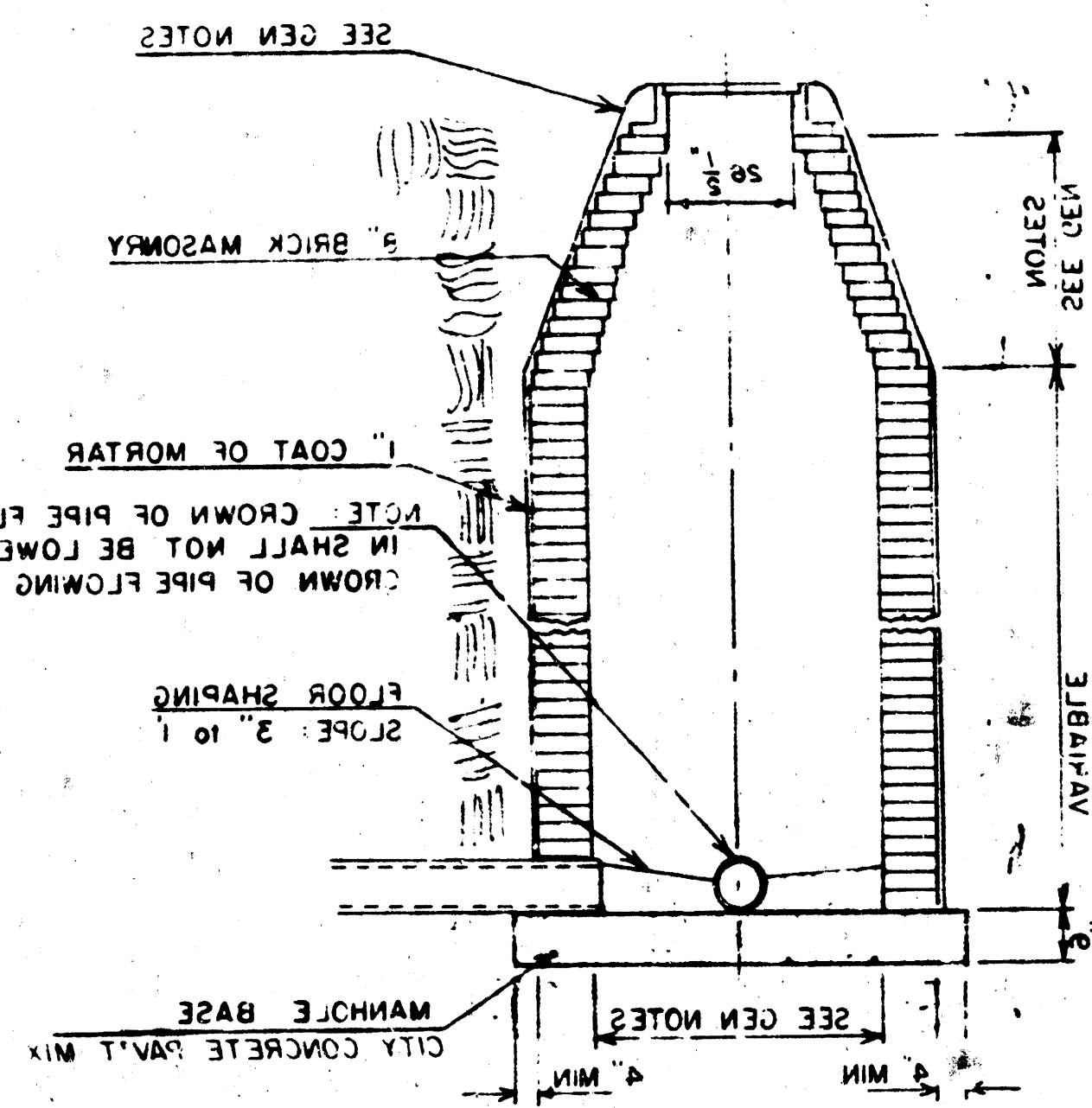
TYPE "A" OUTSIDE DROP MANHOLE



TYPE "A" INSIDE DROP MANHOLE



TYPE "A" MANHOLE

[illegible][illegible]

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

2. Once the problem is identified, the next step is to define the objectives and goals of the project. This helps to clarify what needs to be achieved and provides a clear direction for the team.

3. The third step is to develop a plan or strategy to address the problem. This involves breaking down the problem into smaller, manageable tasks and determining the resources needed to complete each task.

4. The fourth step is to implement the plan. This involves putting the strategy into action and monitoring progress regularly to ensure that the project is on track.

5. The final step is to evaluate the results of the project. This involves comparing the actual outcomes with the objectives and goals to determine the effectiveness of the project and identify areas for improvement.

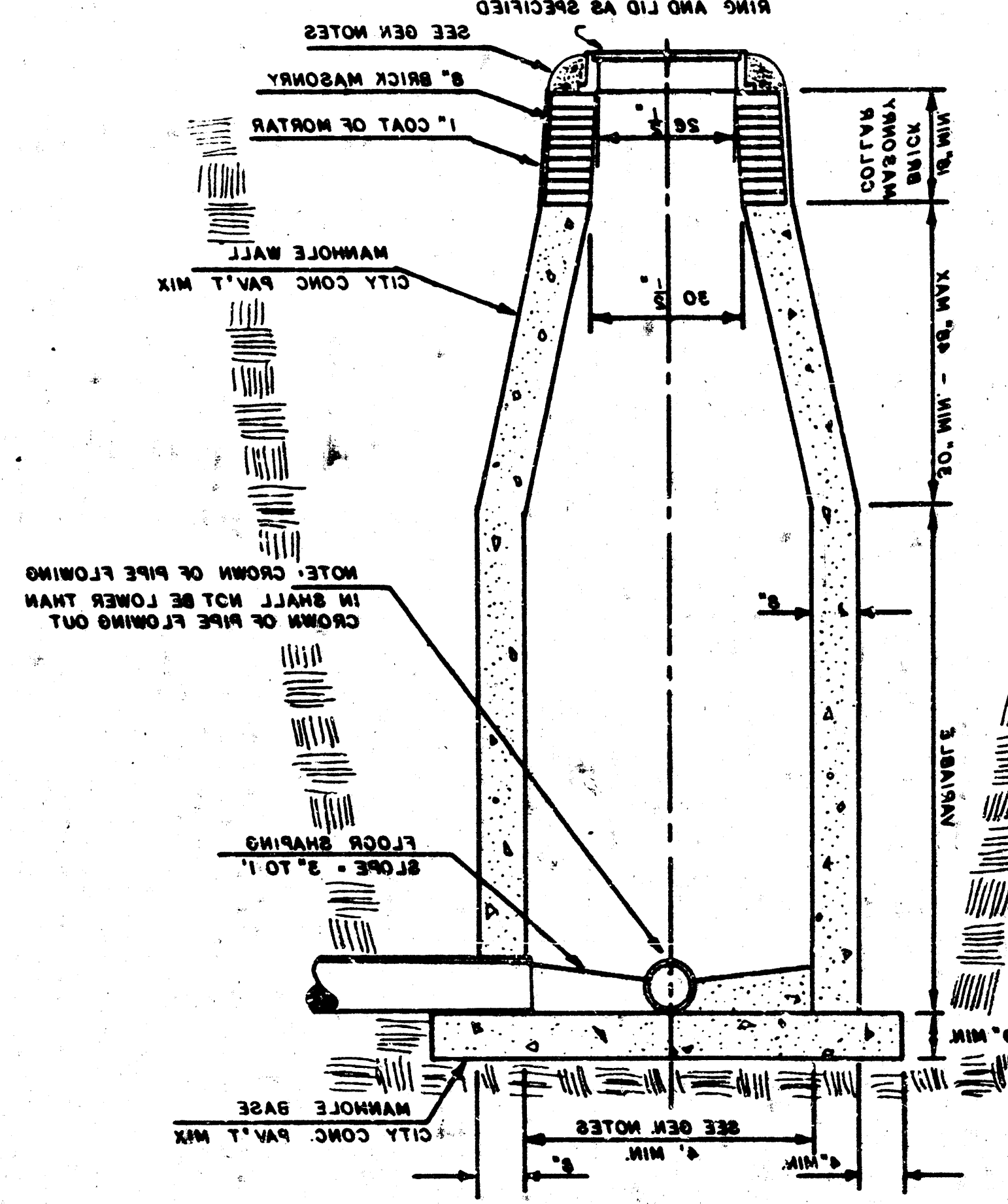
SEWER APPURTENANCES DETAILS

ADOPTED AS STANDARD DESIGN

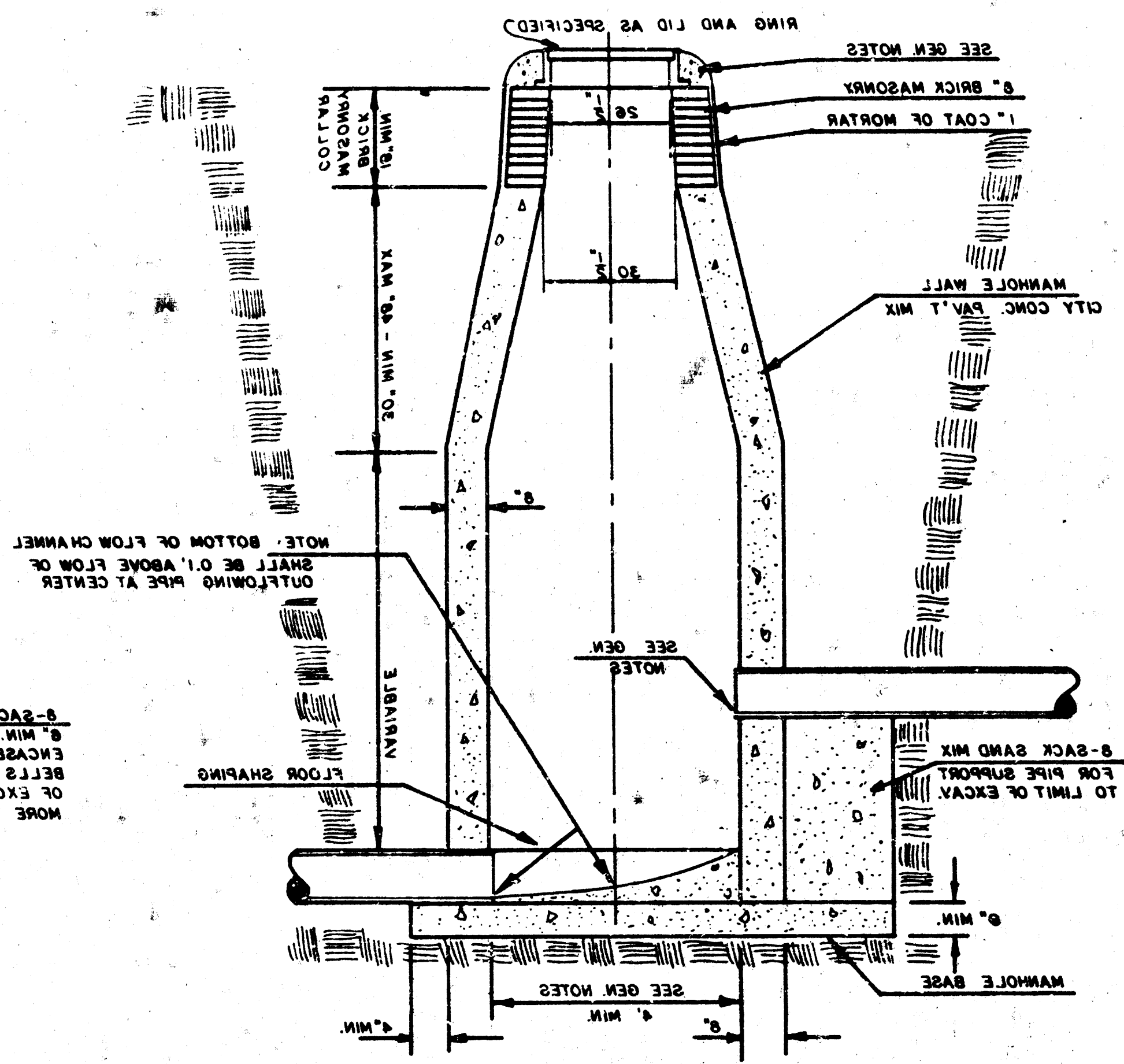
BY

City of Wichita, Kansas

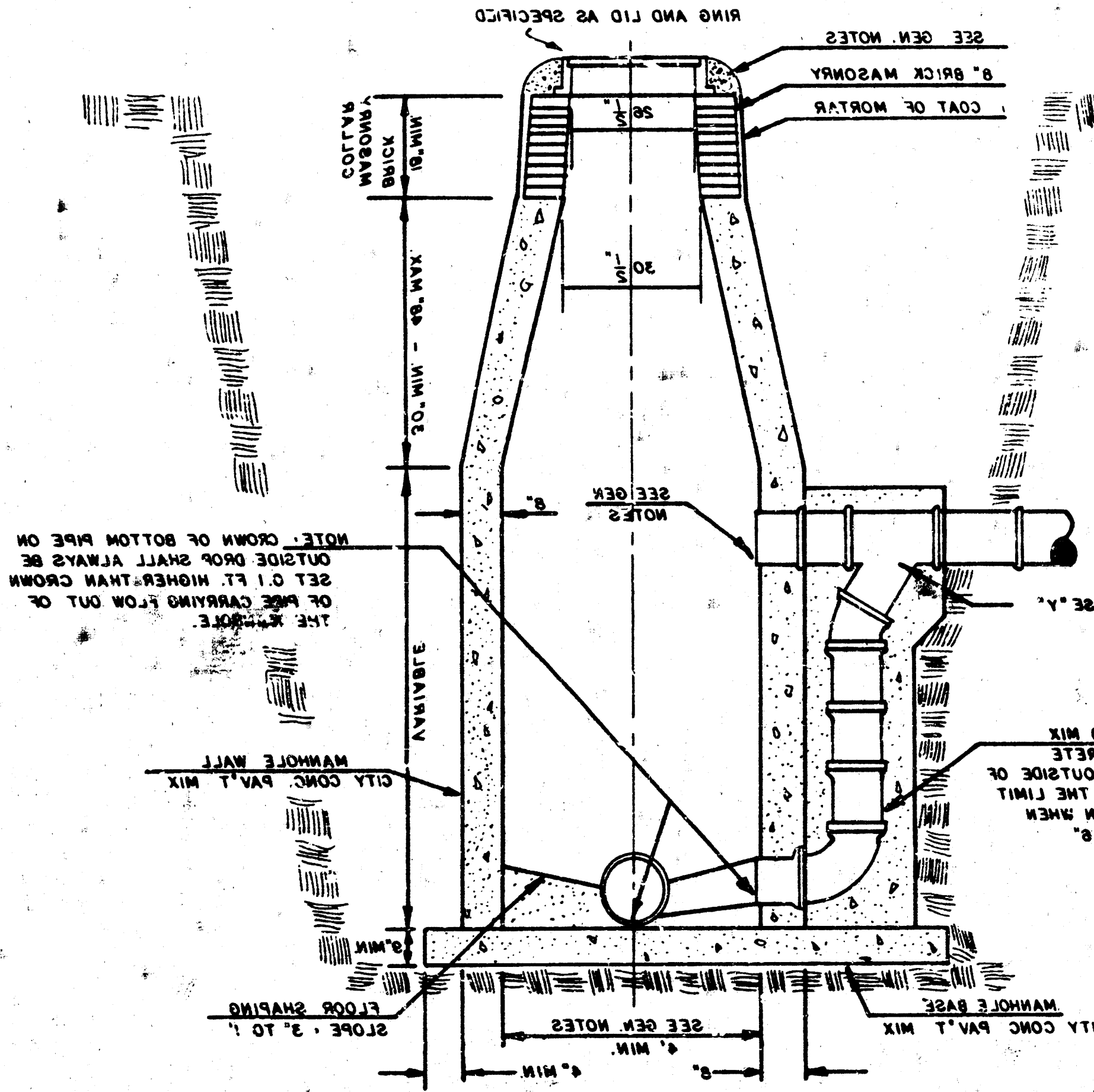
STANDARD MANHOLE TYPE "C"



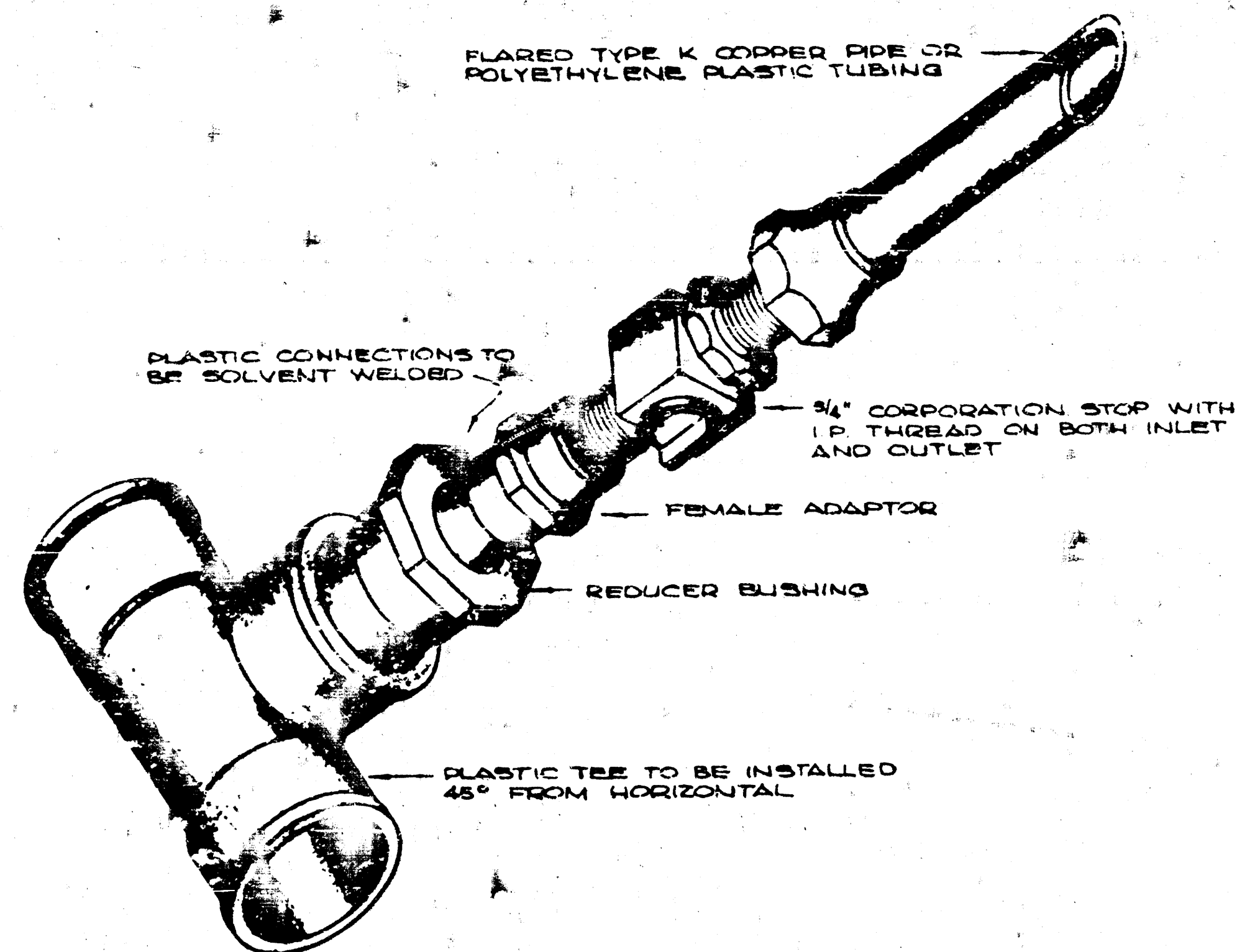
INSIDE DROP MANHOLE TYPE "C"



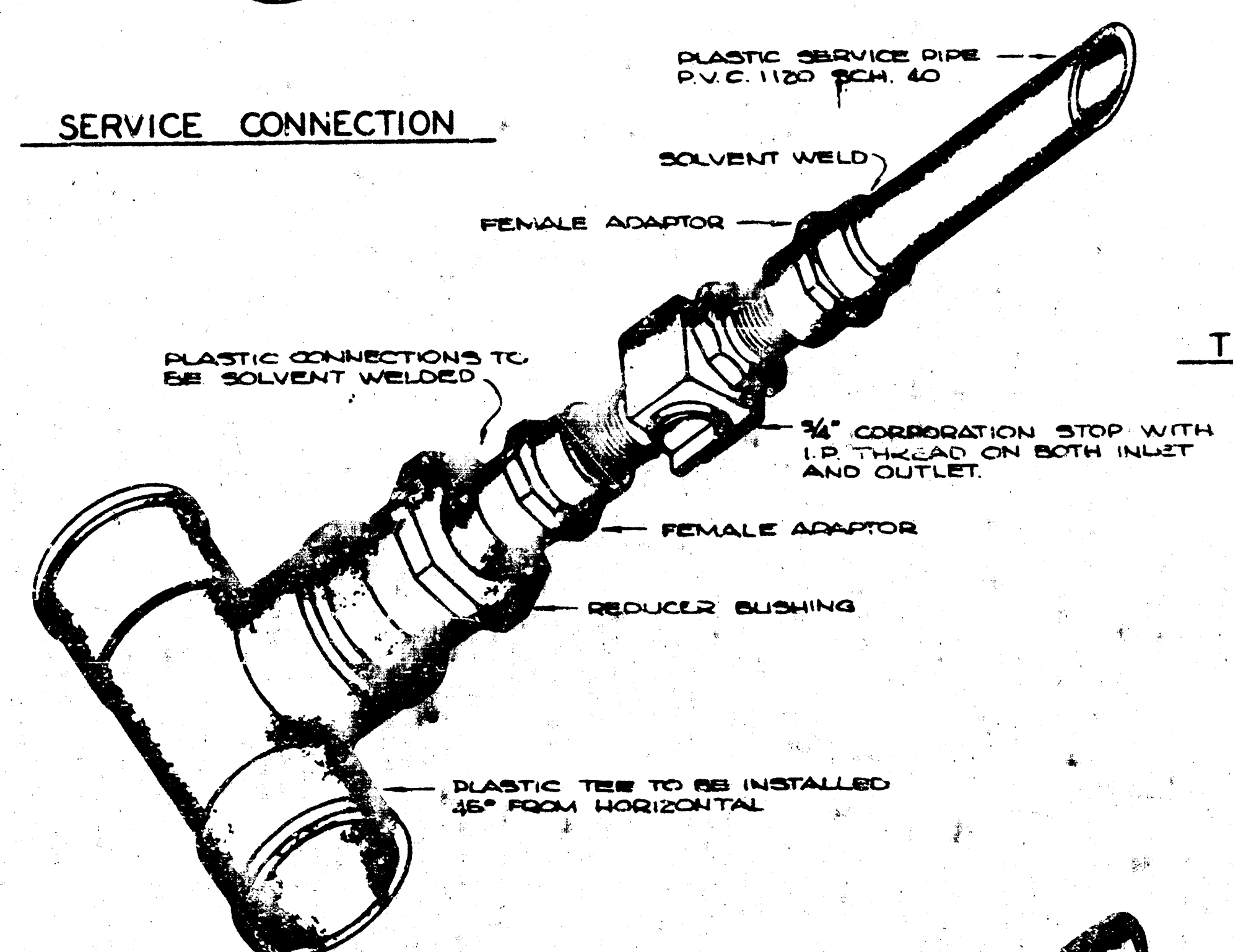
OUTSIDE DROP MANHOLE TYPE "C"



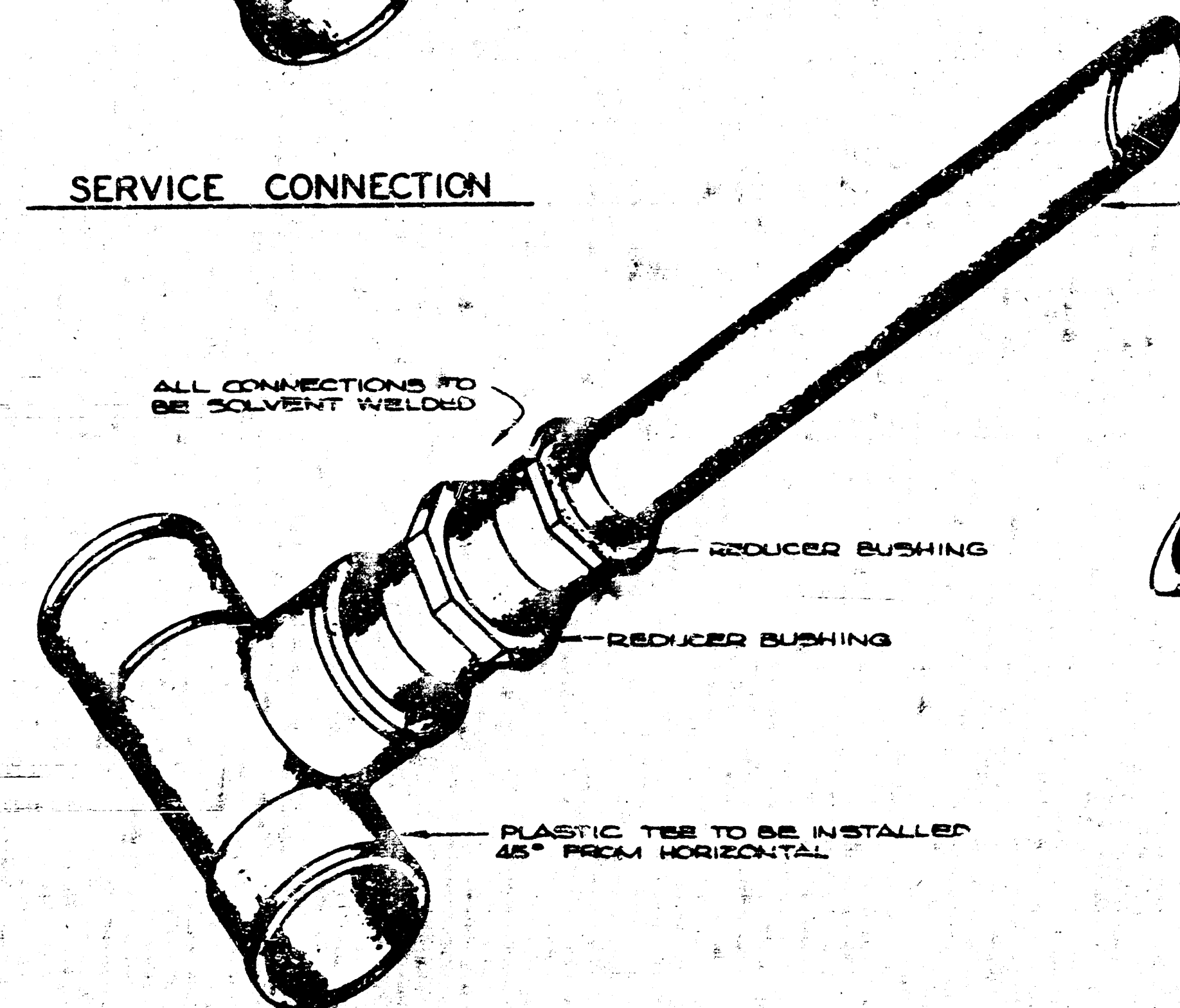
- GENERAL NOTES
1. MORTAR USED IN MASONRY CONSTRUCTION SHALL BE TYPE S. MORTAR SHALL BE MIXED IN THE RATIO OF 1 PART PORTLAND CEMENT TO 3 PARTS MORTAR. MORTAR SHALL BE MIXED IN THE RATIO OF 1 PART PORTLAND CEMENT TO 3 PARTS MORTAR. MORTAR SHALL BE MIXED IN THE RATIO OF 1 PART PORTLAND CEMENT TO 3 PARTS MORTAR.
 2. THE MANHOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER APPURTENANCES. THE MANHOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER APPURTENANCES. THE MANHOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER APPURTENANCES.
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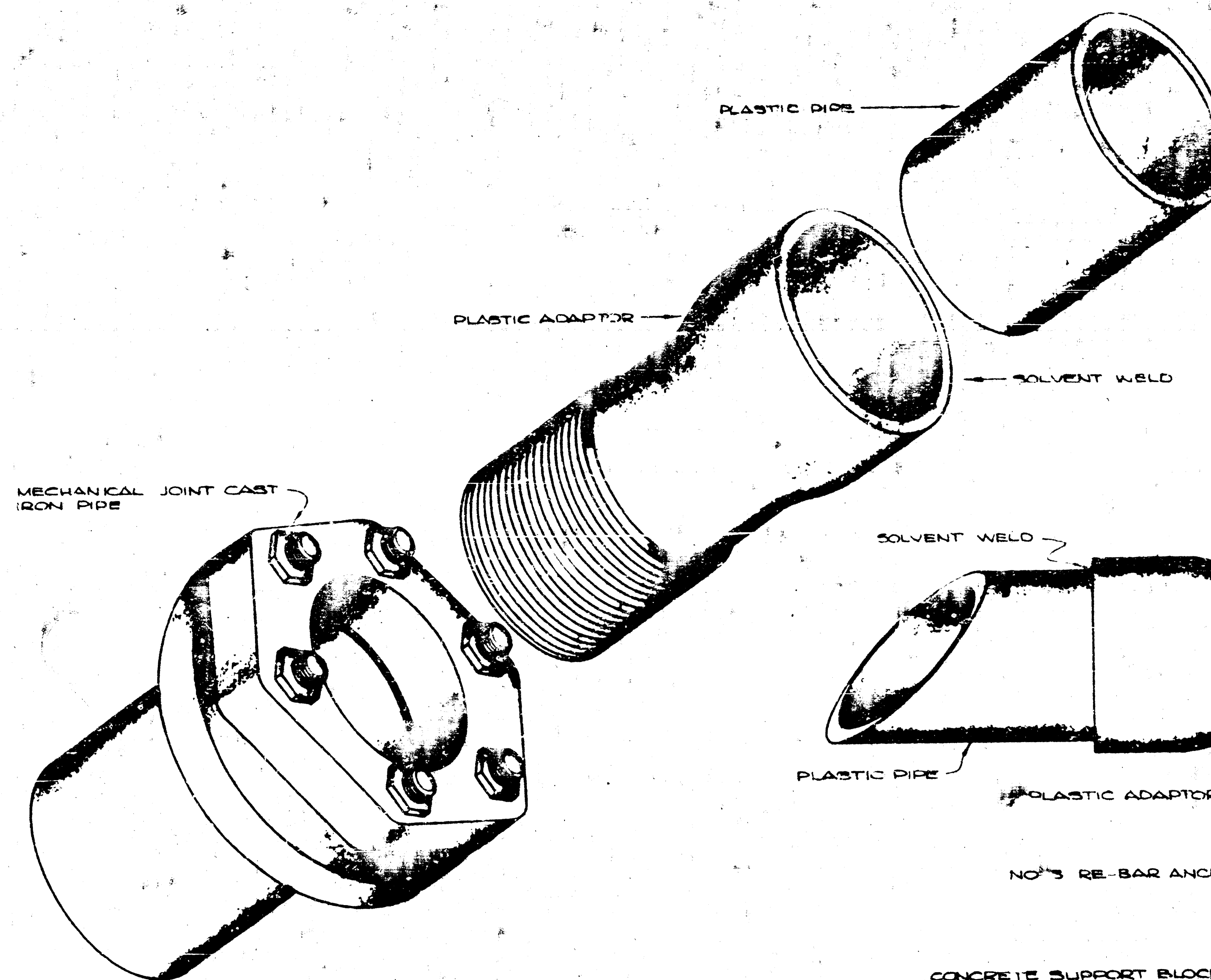
SERVICE CONNECTION



SERVICE CONNECTION

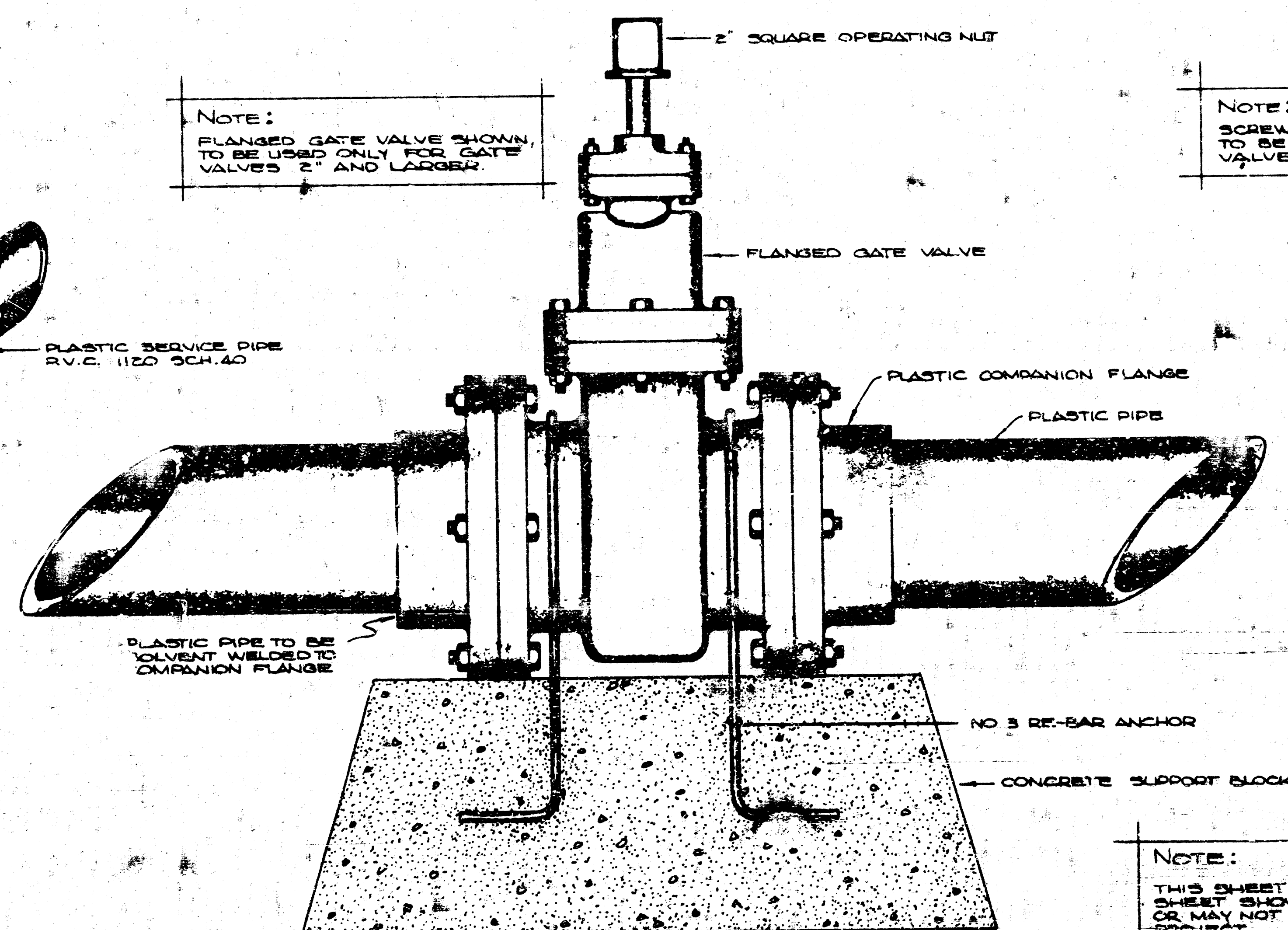


SERVICE CONNECTION



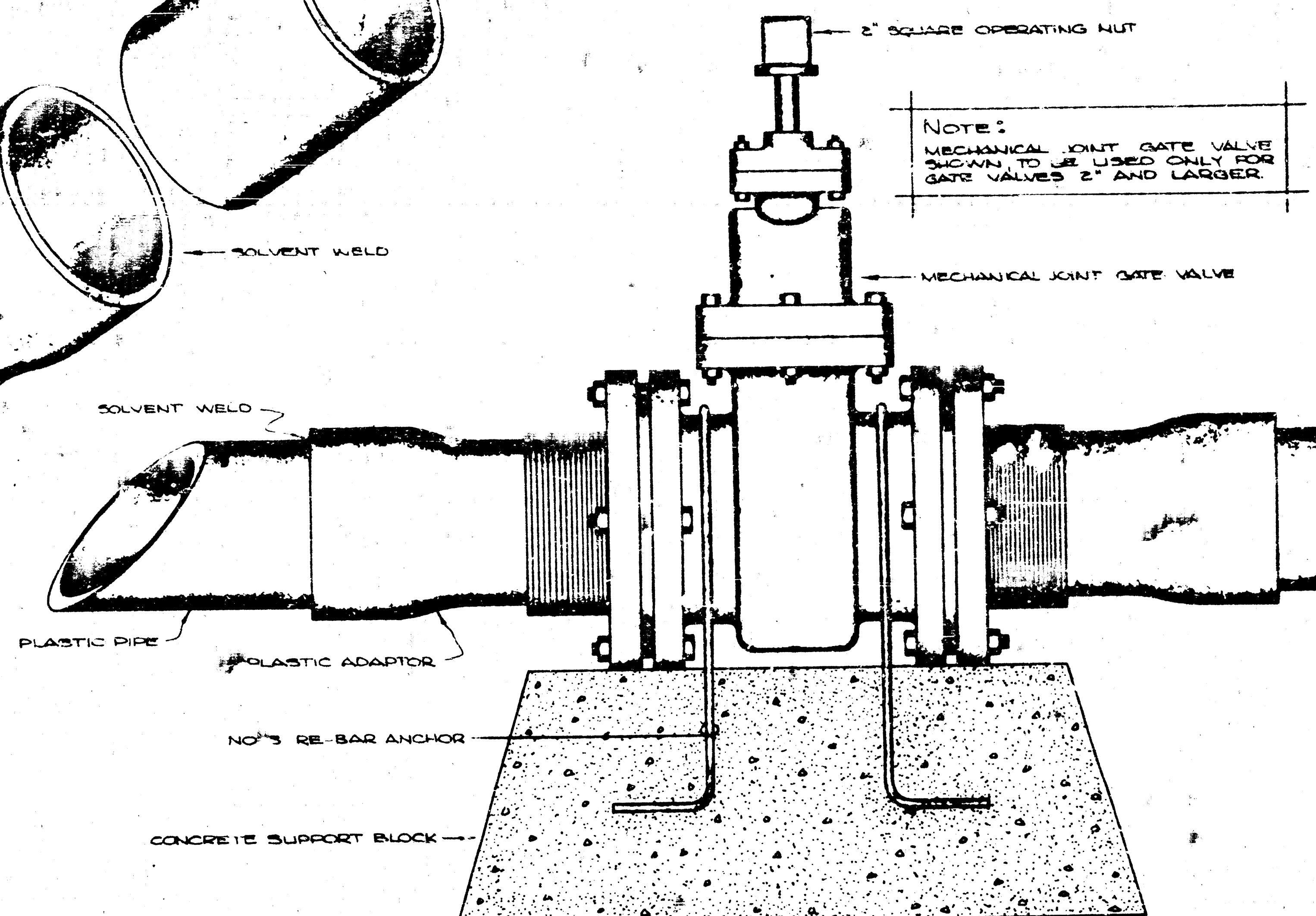
TYPICAL MECHANICAL JOINT C.I.P. TO PLASTIC PIPE

NOTE:
FLANGED GATE VALVE SHOWN,
TO BE USED ONLY FOR GATE
VALVES 2" AND LARGER.



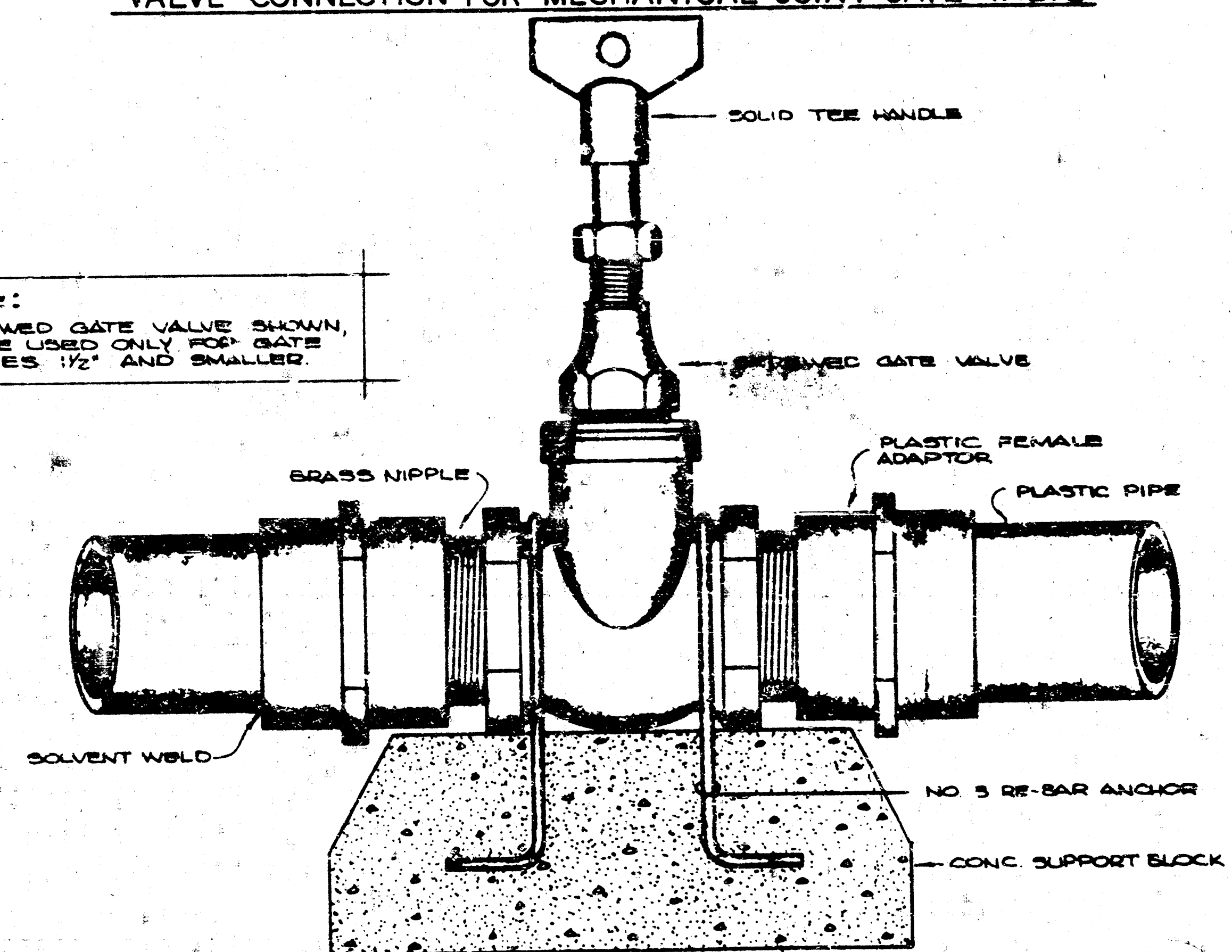
VALVE CONNECTION FOR FLANGED GATE VALVE

NOTE:
THIS SHEET IS A STANDARD DETAIL
SHEET SHOWING DETAILS WHICH MAY
OR MAY NOT BE INCLUDED ON A SPECIFIC
PROJECT.



NOTE:
MECHANICAL JOINT GATE VALVE
SHOWN TO BE USED ONLY FOR
GATE VALVES 2" AND LARGER.

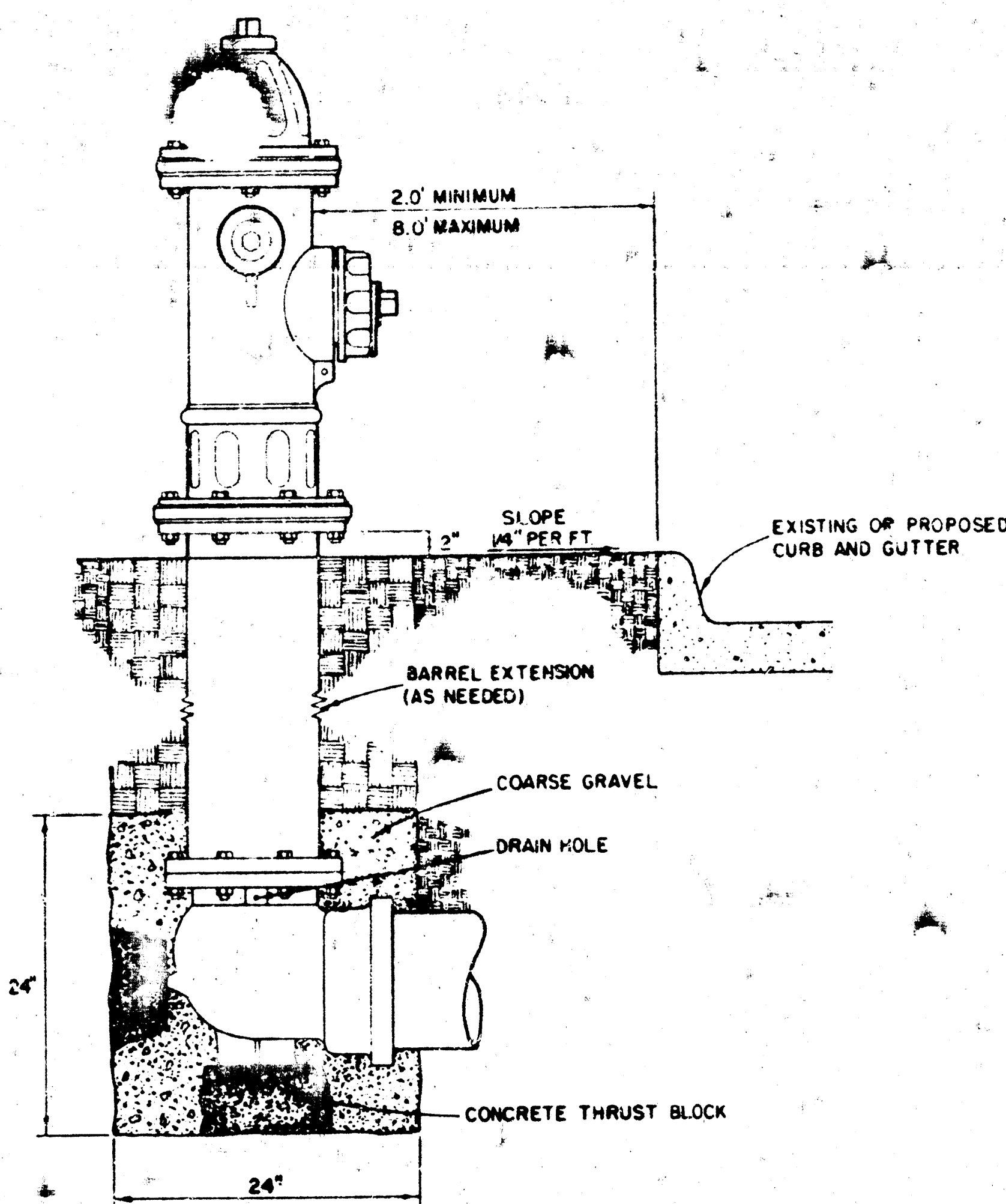
VALVE CONNECTION FOR MECHANICAL JOINT GATE VALVE



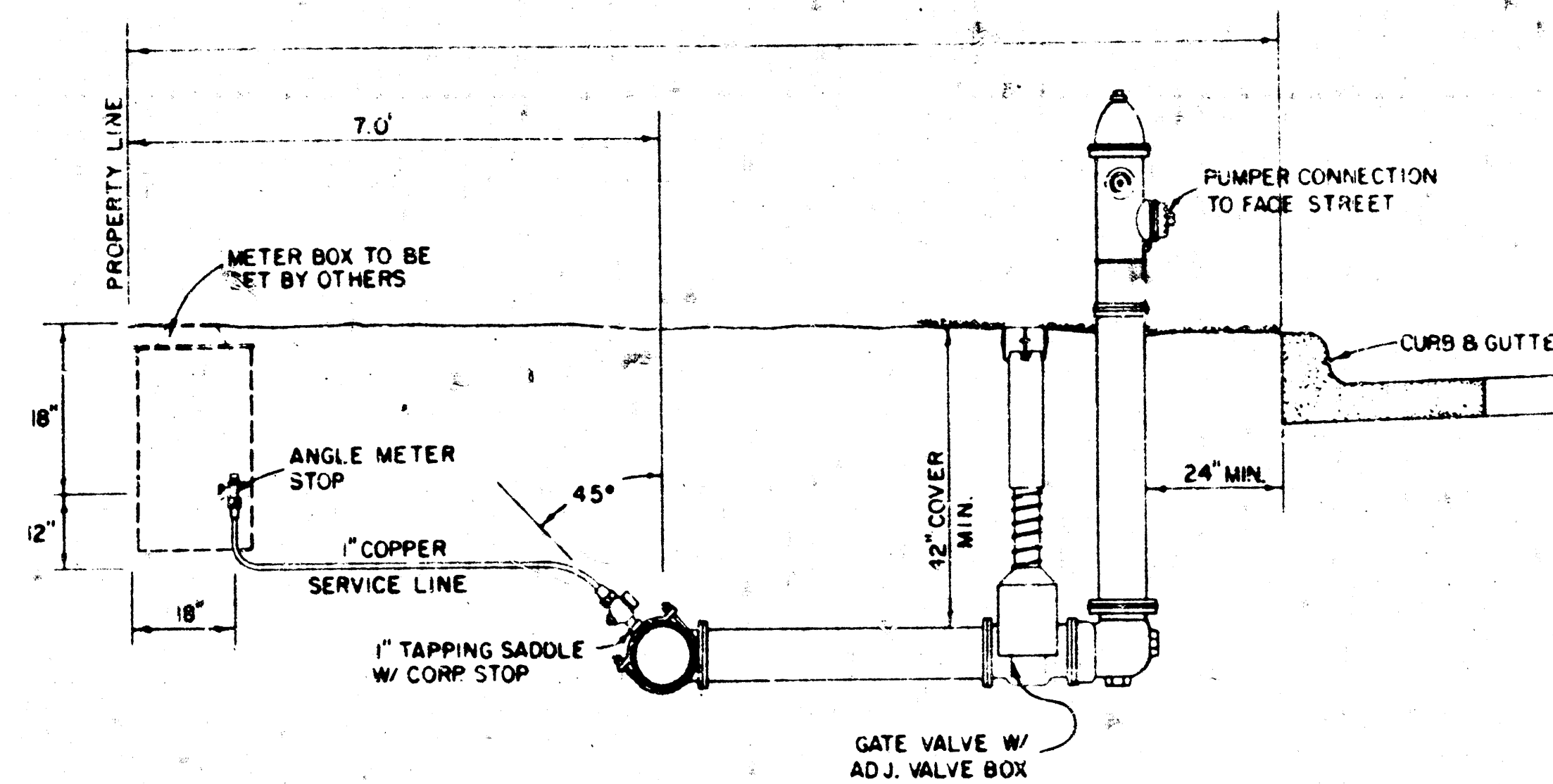
VALVE CONNECTION FOR SCREWED GATE VALVE

REISS & GOODNESS ENGINEERS
2160 WEST 21ST STREET
WICHITA, KANSAS 67204
(316) 532-0283

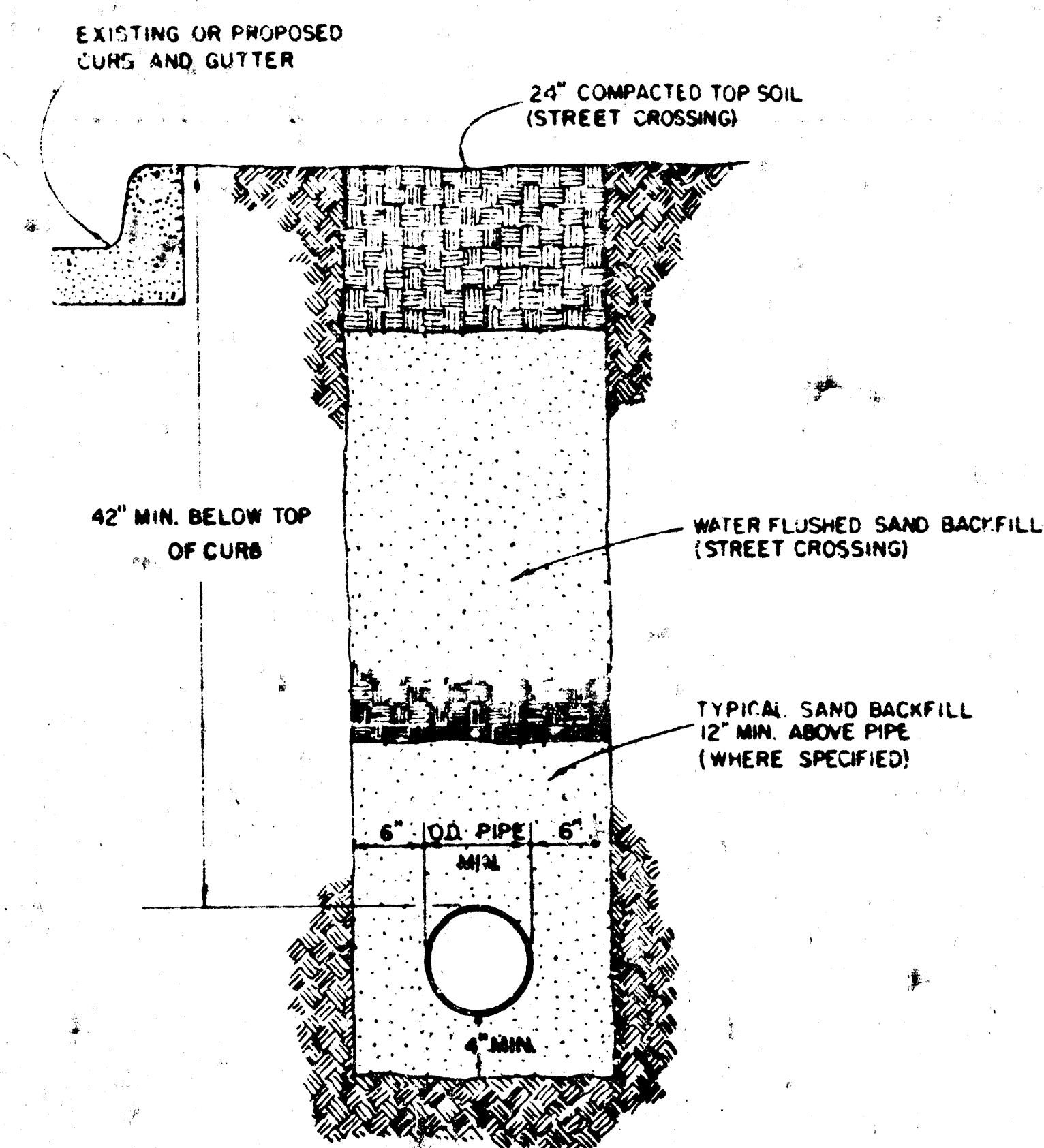
FILMED FROM THE BEST COPY



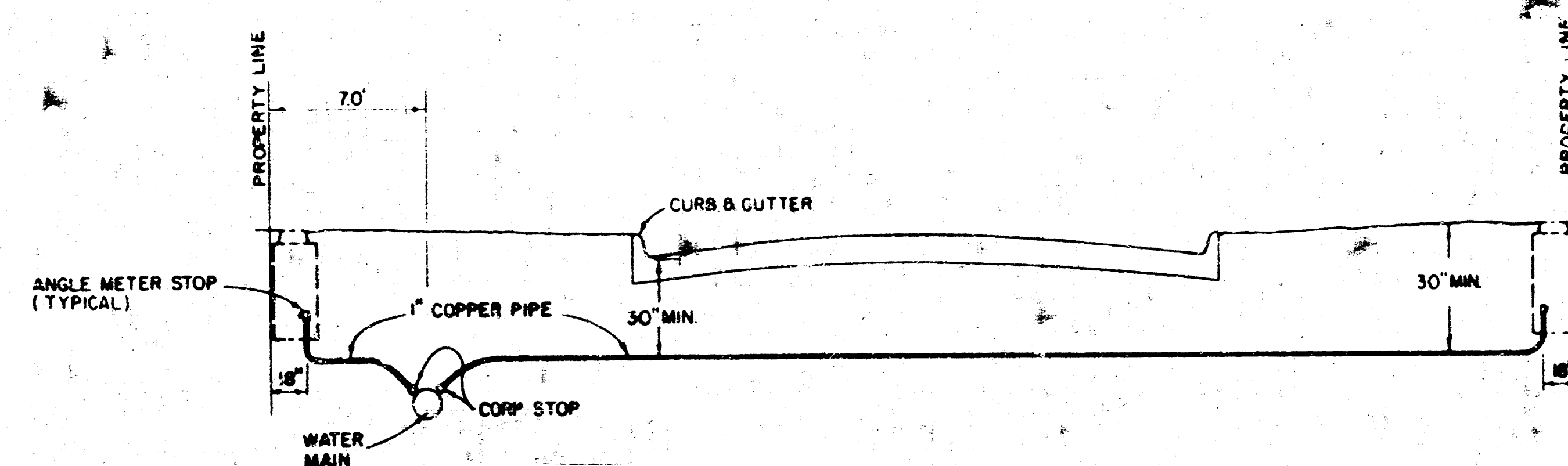
FIRE HYDRANT SETTING DETAIL



TYPICAL SERVICE & FIRE HYDRANT LOCATION

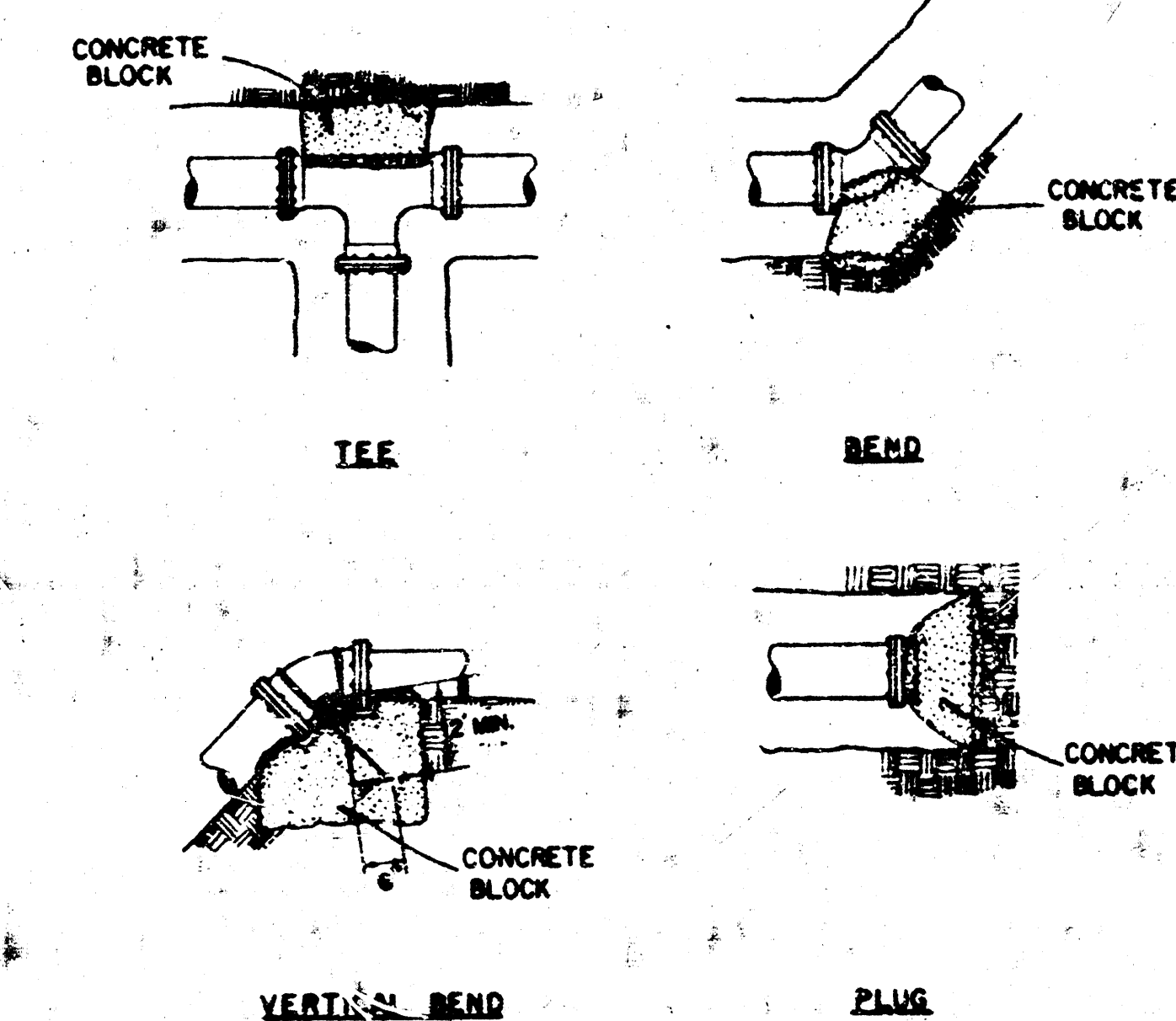


TRENCH DETAIL



TYPICAL SERVICE INSTALLATION

NOTE
TRENCH TO BE FILLED WITH FLUSHED AND VIBRATED SAND TO WITHIN 12" OF FINISHED GROUND ELEVATION OR TO PAVEMENT BASE UNDER PAVEMENT.



PIPE SIZE	THRUST AT FITTINGS IN TONS (AT 150° / IN. P.)					
	PLUG	90°	45°	22 1/2°	11 1/4°	TEE
6"	2.8	3.95	2.15	1.09	.55	2.8
8"	4.9	6.95	3.75	1.90	.96	4.5
12"	11.4	16.1	8.75	4.45	2.23	11.4
16"	20.15	28.5	15.4	7.85	3.95	20.15
20"	31.15	44.0	23.85	12.15	6.1	31.15
24"	44.55	63.0	34.1	17.4	8.75	44.55

THRUST BLOCKS

REISS & GOODNESS ENGINEERS
2100 WEST 31ST STREET
WICHITA, KANSAS 67204
(316) 838-0225