

PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	1985	1	4

BUREAU OF PUBLIC SERVICES

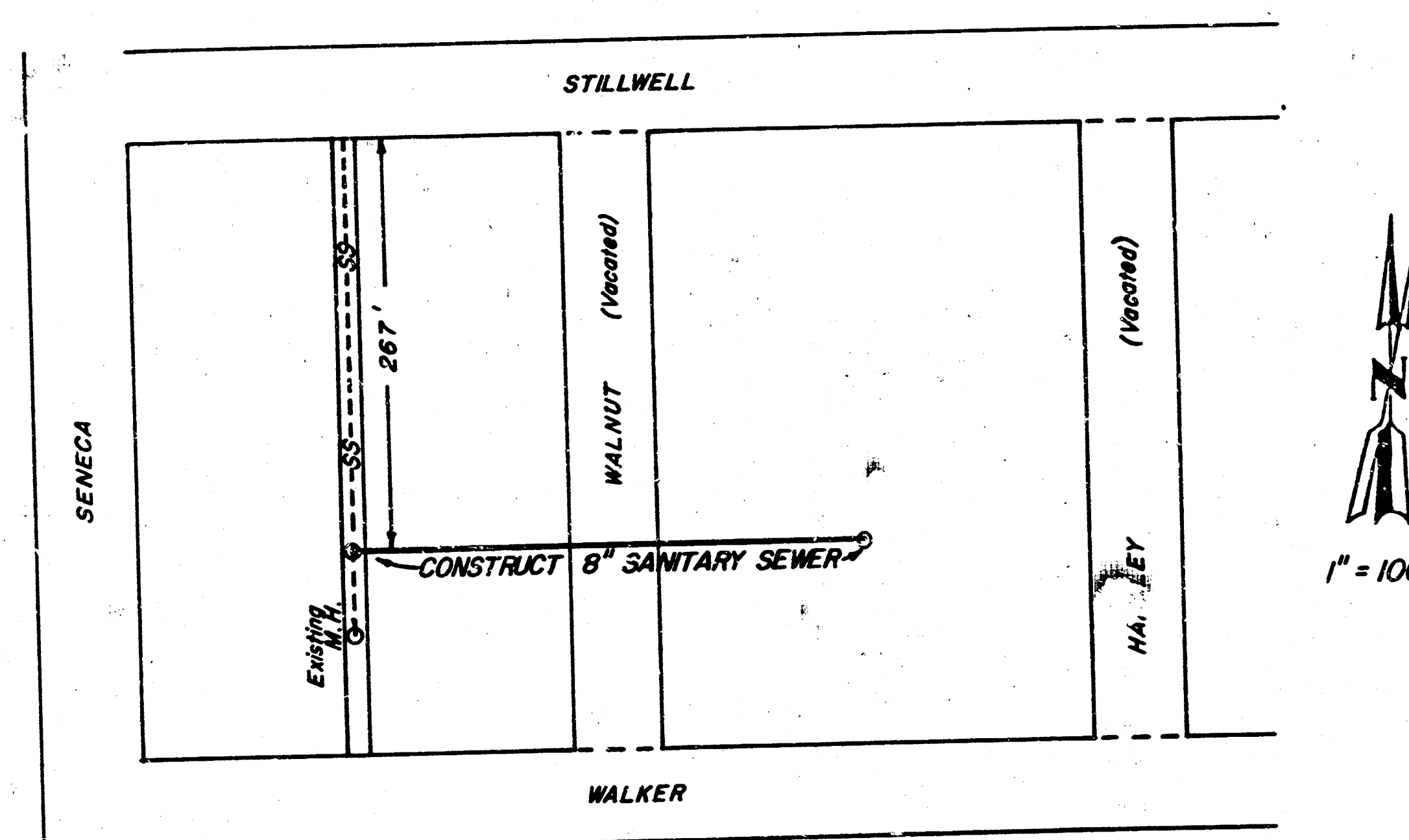
INDEX OF SHEETS

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SHEET NO. 2	PLAN AND PROFILE
SHEET NO. 3	TYPE "A" MANHOLE
SHEET NO. 4	TYPE "A" SPECIAL SHALLOW MANHOLE



SANITARY SEWER IMPROVEMENT COUNTY YARD AT SENECA AND STILLWELL

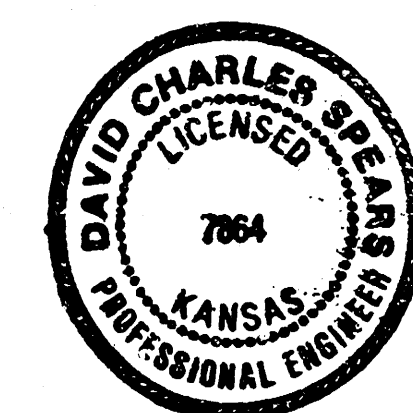
CITY PROJECT #468-76-245-80001-000-000-021



APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers *OK 6/13/85*
Storm Sewers _____
Driveway Approaches _____

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 pay the City of Wichita for all costs of plan review, inspection and booking per contract.



APPROVED:

David C. Spear
COUNTY ENGINEER / DIRECTOR OF PUBLIC SERVICES
DATE: June 13, 1985

APPROVED:

Donald B. Dragg 6/13/85
CHAIRMAN
BOARD OF COUNTY COMMISSIONERS

FILED:

FILED IN THE OFFICE OF
THE SEDGWICK COUNTY CLERK
Don Wright 6/13/85
COUNTY CLERK DATE:

PLANS PREPARED BY:

DATE: _____

APPROVED: DATE:

CONVENTIONAL SIGNS

WIRE FENCE	—+—+—+—
HEDGE ROW	— — — — —
RAILROAD	—+—+—+—+—
SURVEY LINE	—9—100—
RIGHT OF WAY	—+—+—+—+—
TELEPHONE POLE	— —
POWER POLE	— —
COMB. POWER & TELEPHONE	— —
TOWNSHIP LINE	—+—+—+—+—
CONSTRUCTION LIMITS	—+—+—+—+—
GUARD FENCE	—+—+—+—+—
TREES	— — — — —

NET LENGTH OF PROJECT _____ FT. _____ MILES
NET LENGTH OF BRIDGES _____ FT. _____ MILES
NET LENGTH OF ROAD _____ FT. _____ MILES
EXCEPTIONS _____ FT. _____ MILES
ADDITIONS _____ FT. _____ MILES
GROSS LENGTH OF PROJECT _____ FT. _____ MILES

COUNTY	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
SEDGWICK	KANSAS		1985	2	4

GENERAL NOTES

- Construction Staking and Inspection Services will be provided by Sedgwick County.
- The 4 inch line shall not be constructed until the 8 inch line has passed the Air Test. The Contractor shall obtain a permit from the Central Inspection Division, City of Wichita, Kansas, prior to construction of the 4 inch line. The cost of obtaining the permit shall be considered subsidiary to the bid item "4 inch P.V.C. Sanitary Sewer Pipe."
- Removal of and replacement of existing pavement shall be considered subsidiary to the bid item "Manhole - Type A." Asphalt pavement shall be replaced with concrete pavement per City of Wichita Specifications.
- All trenches shall be backfilled per City of Wichita Specifications for backfill within alley or street right-of-way. The top six inches of trenches in gravelled areas shall be backfilled with AS-1 aggregate.
- Removal and disposal of the retaining wall shall be considered subsidiary to the bid item "8 inch P.V.C. Sanitary Sewer Pipe."
- All surplus excavated material shall be removed from the County Yard and disposed of by the Contractor. This work shall be considered subsidiary to the bid item "8 inch P.V.C. Sanitary Sewer Pipe" and no additional payment will be made for this work.
- The Contractor shall make arrangements with the Department of Operations and Maintenance, City of Wichita, Kansas, for Air Testing and Television Inspection prior to construction. The Contractor shall be responsible for all costs incurred by the City of Wichita for Air Testing and Television Inspection, regardless of the number of tests or inspections required.

SUMMARY OF QUANTITIES

ITEM	QUANTITY	UNITS
8 inch P.V.C. Sanitary Sewer Pipe	350	lf.
4 inch P.V.C. Sanitary Sewer Pipe	44	lf.
Manhole - Type A	1	ea.
Manhole - Special Shallow Type A	1	ea.
Air Testing & Television Inspection	1	L.S.

PLAN	DATE	BY	CHKD
NO. 1	6-85	JEW	

PROFILE	DATE	BY	CHKD
NO. 1	6-85	JEW	

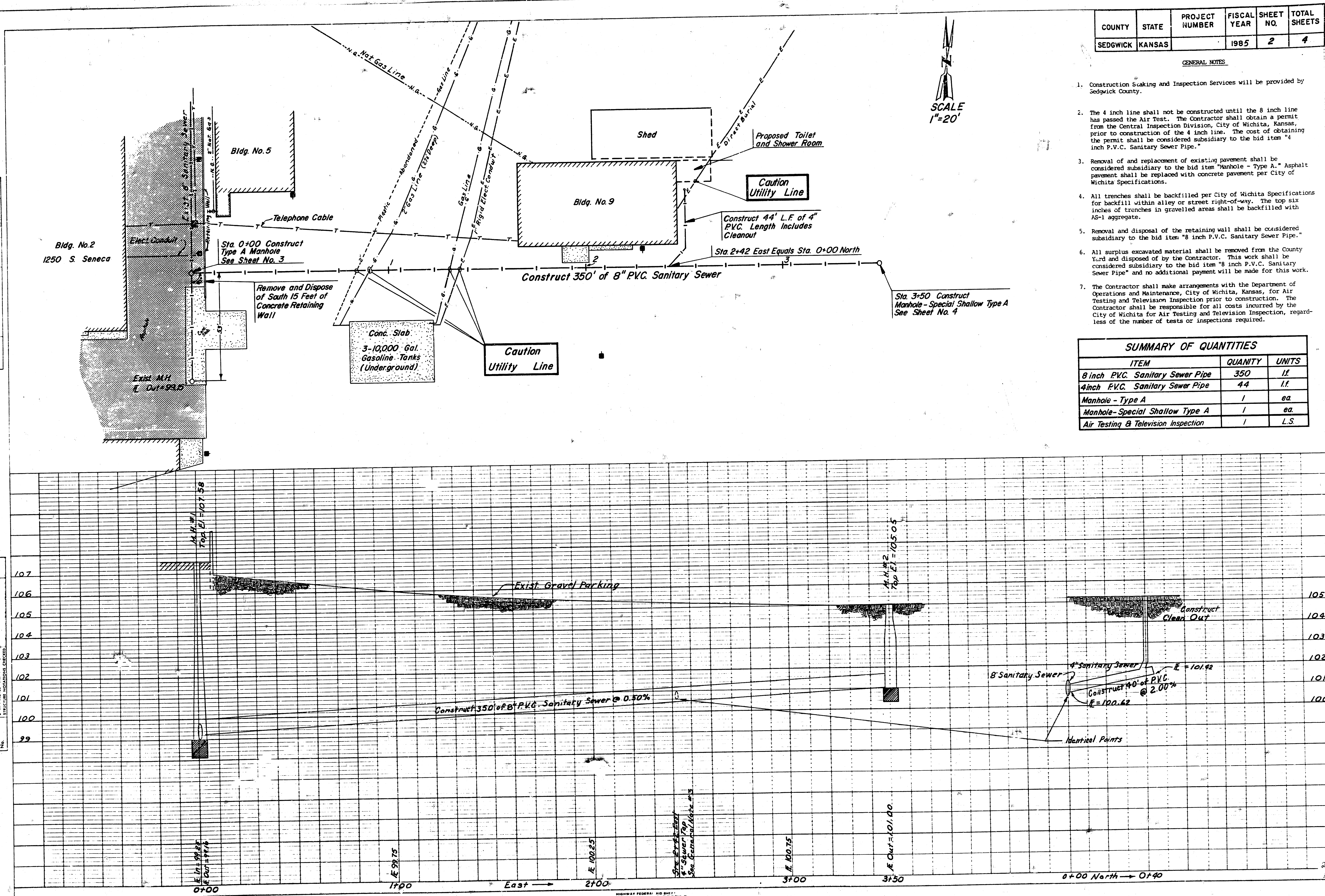


PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
PRINTED IN U.S.A.

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AVAILABLE COPY

SEWER APPURTENANCES DETAILS

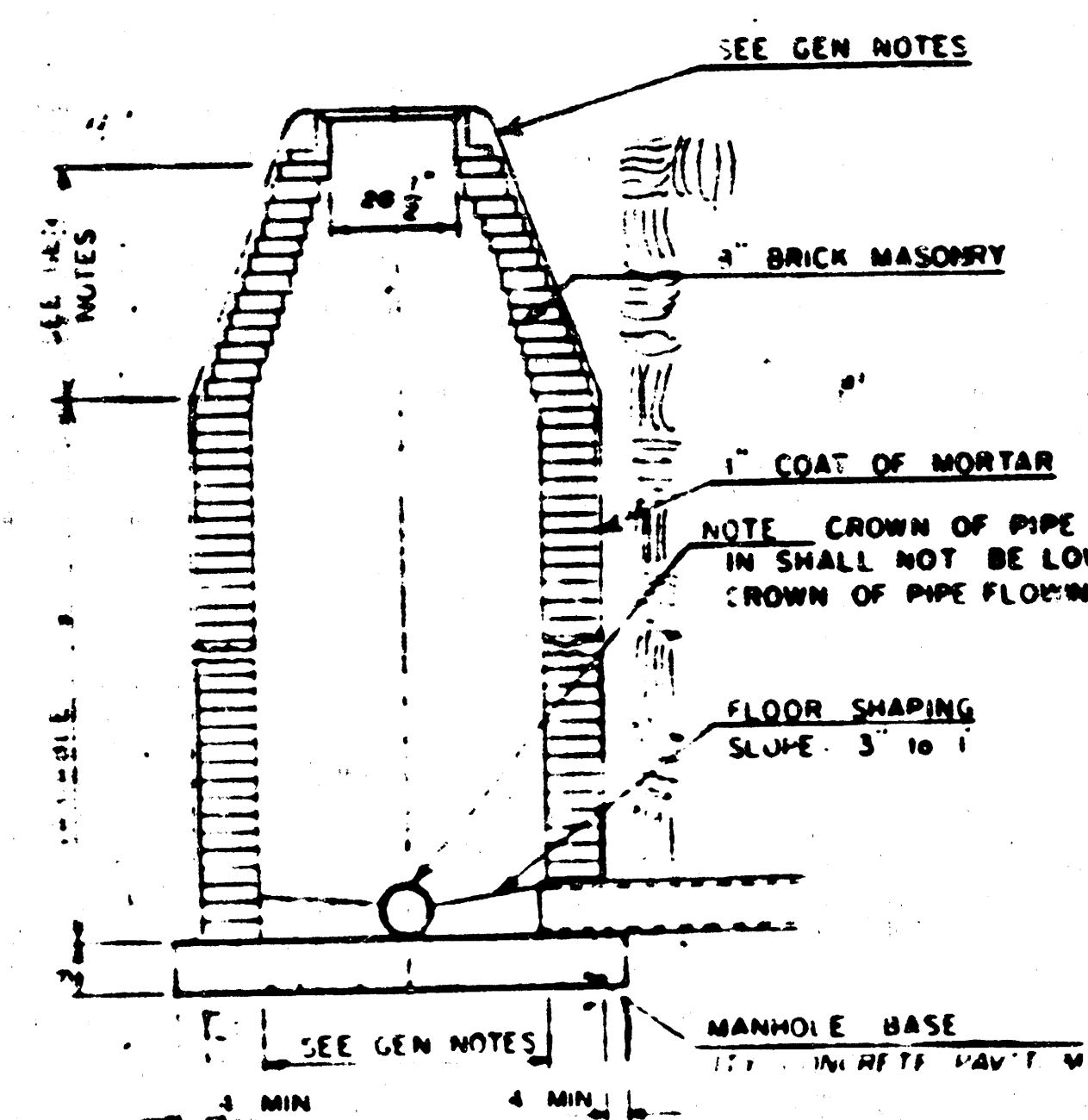
ADOPTED AS STANDARD DESIGN
BY

CITY of WICHITA, KANSAS

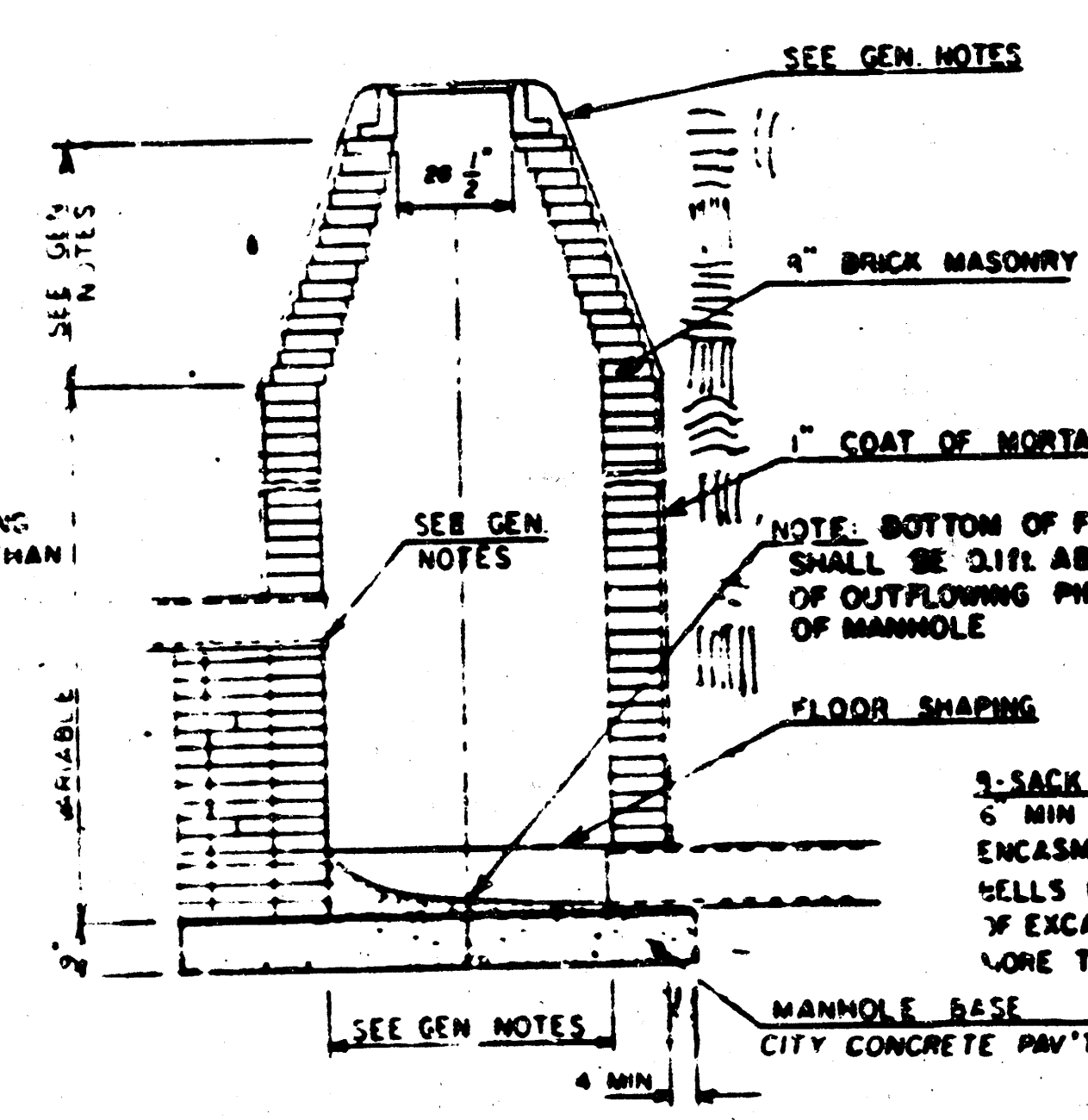
REVISED SEPTEMBER 1980
REVISED DECEMBER 1981

COUNTY	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEET.
SEDGWICK	KANSAS		1985	3	4.

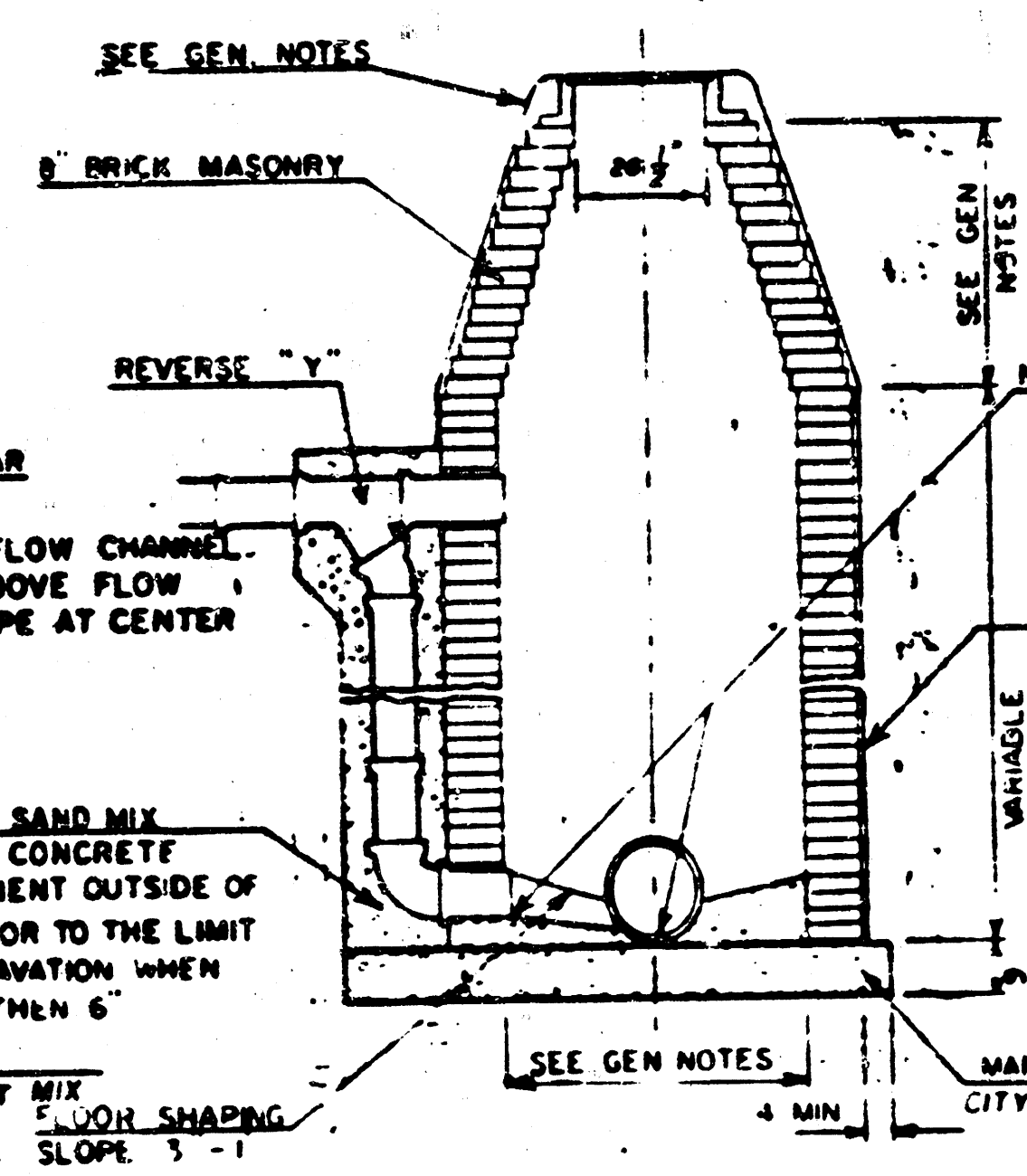
TYPE "A" MANHOLE



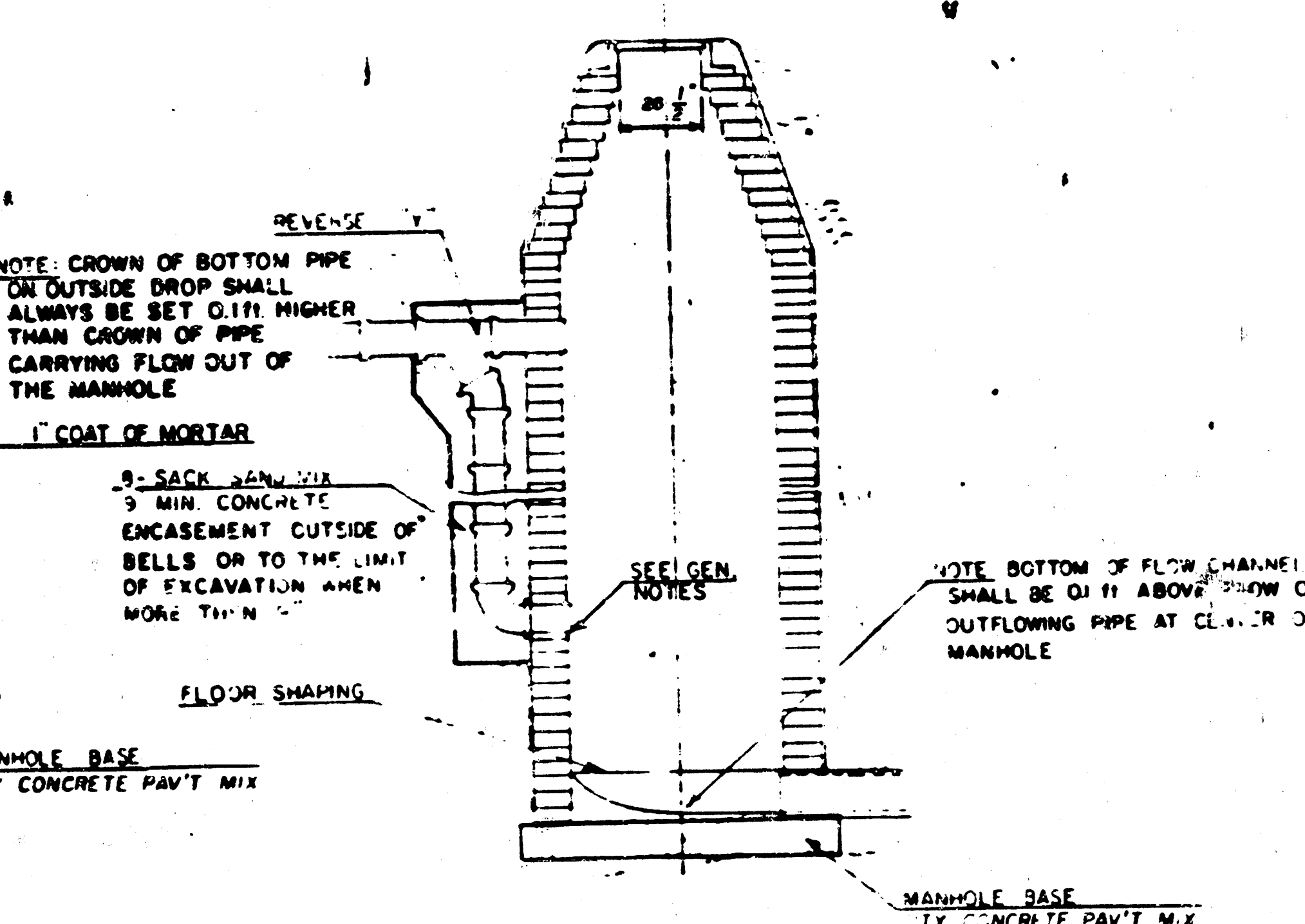
TYPE "A" INSIDE DROP MANHOLE



TYPE "A" OUTSIDE DROP MANHOLE



DETAIL OF OUTSIDE DROP
CONSTRUCTED ON EXISTING MANHOLE



GENERAL NOTES:

WATER JUNG IN CONCRETE CONSTRUCTION SHALL CONTAIN 8 BAGS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE SHALL COMPLY TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE PLANT NO. 11 WITHOUT ANY RETAINING ALLOWANCE. WINTER SHALL BE PLACED AROUND THE MANHOLE RING AS SHOWN IN THE DRAWINGS AND SHALL BE 12" THICK. WINTER SHALL BE 12" IN DEPTH WHEN THE RING IS SET OR BE 18" DEEP WHERE UP TO 10" IN DEPTH WHEN THE MANHOLE IS NOT LOCATED WITHIN 5' OF STREET PAVEMENT. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE SMALLER THAN 18" SHALL HAVE AN INSIDE DIAMETER OF 18". MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE 18" OR LARGER SHALL HAVE AN INSIDE DIAMETER OF 24". THE HEIGHT OF THE MANHOLE SHALL BE 4' ABOVE THE FINISH GRADE. MANHOLE DIAMETER SHALL BE 18" OR LARGER THAN PIPE SIZES UNLESS A 24" DIAMETER MANHOLE MANHOLE SHALL BE 24" OR LARGER. LAKES AND WATER TIGHT.

REINFORCING STEEL SHALL BE INSTALLED IN THE SAMPLE BASES AND SHALL
CONSIST OF NO. 4 BARS PLACED IN 12" SPACING IN BOTH DIRECTIONS. THE
SAMPLE BASE REINFORCEMENT SHALL BE PLACED 1" ABOVE THE BOTTOM OF THE
SAMPLE BASE. ALL COSTS FOR FURNISHING AND INSTALLING REINFORCING
STEEL SHALL BE INCLUDED IN THE UNIT PRICE FOR THE SAMPLE.

[illegible]

.. THE FLOWERS OF ALL NANNIES SHALL BE STATED WITHIN THE CHANNELS SUCH THAT THE NANNIES WILL BE SELF-CLEANING AND FREE OF AREAS WHERE SOLIDS WOULD BE DEPOSITED AS DRAINAGE FLOWERS THROUGH THE NANNIE FROM ALL INLET PIPES TO THE OUTLET PIPE. DRAINAGE FLOWERS SHALL BE FORMED TO ALLOW THE FLOW OF BOTH THE DRAINING AND THE FLOWING OF THE FLOWING OF THE PIPE AS SHOWN BY THE DRAWINGS. SHALL BE THE DRAINAGE FLOWERS. FLOW CHANNELS FOR INSIDE DROP NANNIES SHALL BE INDICATED AS INDICATED BY THE DRAWINGS. FLOW CHANNELS SHALL BE INDICATED AS INDICATED BY THE FLOW IN THE AREAS OUTSIDE OF THE FLOW CHANNELS. FLOW CHANNELS SHALL BE INDICATED BY THE FLOW CHANNELS. PIPES Laid THROUGH NANNIES SHALL HAVE THE TOP HALF RECESSED WHICH MEANS LINES FOR THE FULL LINE DIAMETER OF THE NANNIE. FLOWERS SHALL BE FORMED AROUND THE INSIDE HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.

PIPER INSTALLLED WITHIN THE EXCAVATION SHALL FOR THE MANHOLE SHALL BE
 CARDED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. WHEN
 LAY PIPE IS USED, THE MANHOLE SHALL EXTEND TO THE FIRST JOINT OUTSIDE
 THE MANHOLE. THE MANHOLE SHALL BE TERMINATED AT THE LAY PIPE JOINT
 A MANHOLE WHICH WILL MAINTAIN THE PERMEABILITY OF THE JOINT. COST
 OF MANHOLE WITHIN MANHOLE EXCAVATION IS LAY PIPE JOINTS ADJACENT
 TO MANHOLE SHALL BE INCLUDED IN THE UNIT PRICE FOR THE MANHOLE.

7. SANDHOLE COVER CASTINGS AND SANDHOLE 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 INLET DROP SAMPLERS SHALL NOT EXCEED 4' FOR
OUTFLOWING PIPES SIZED 12" OR SMALLER AND 2' FOR INFLOWING PIPES
LARGER THAN 12". THE CROWN OF INLET/OUT PIPES SHALL NEVER BE SET
LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.

4. STANDARD SAMPLES TYPE "A" AND DIAMETER FOR THE GROUP SAMPLES TYPE "A" SHALL BE 1/2 AS STANDARD SAMPLES FOR THE TYPE AND DIAMETER INDICATED. THE OTHER GROUP SAMPLES TYPE "A" SHALL BE 1/2 AS STANDARD SAMPLES FOR THE TYPE AND DIAMETER INDICATED. ALL GROUP SAMPLES SHALL BE 1/2 OTHER STANDARD SAMPLES.

