

CONSTRUCTION PLANS FOR

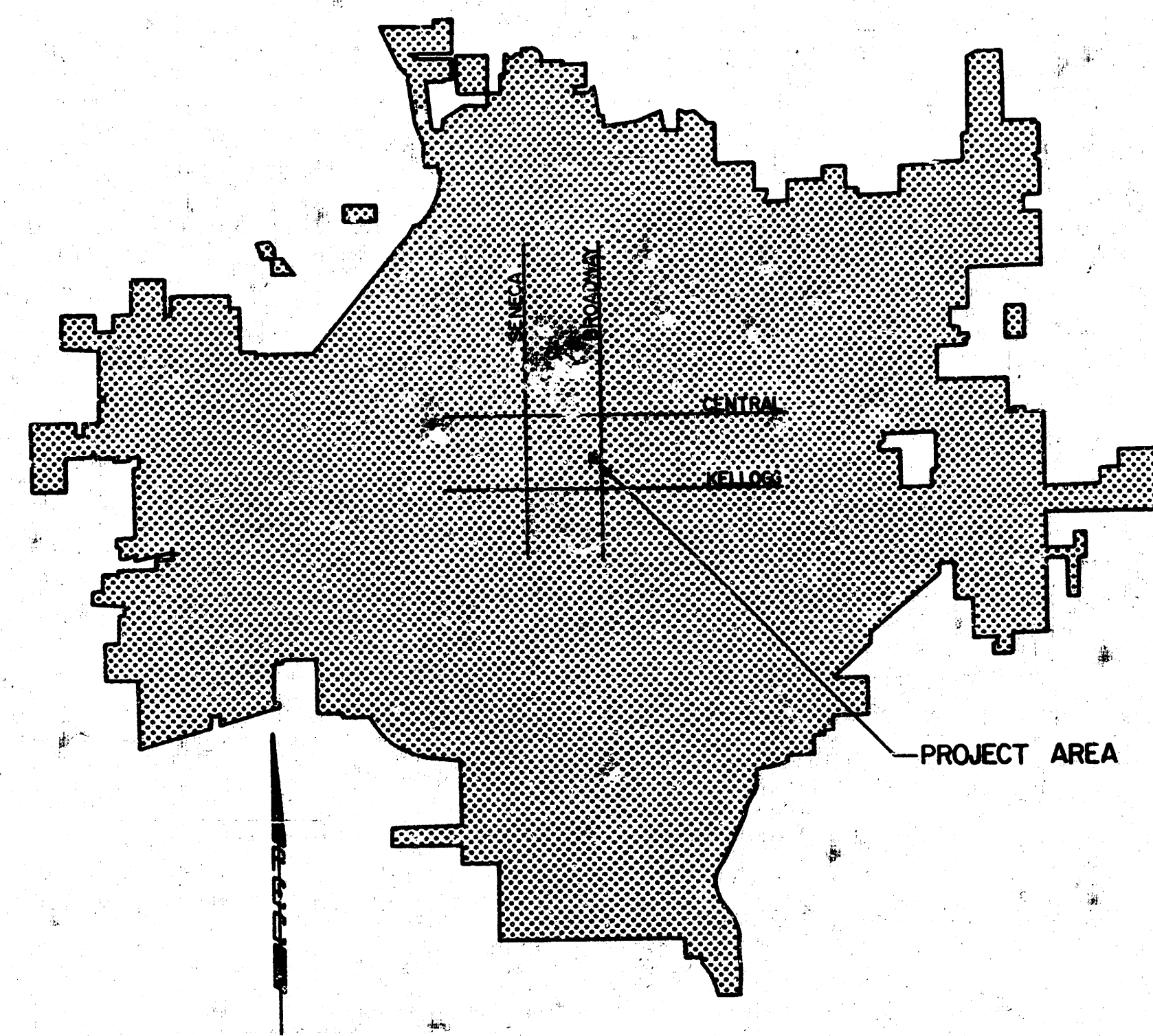
RELOCATION OF STORM DRAIN

IN ALLEY NORTH OF DOUGLAS AVE. BETWEEN
MAIN ST. AND MARKET ST. TO MAIN ST.

THE CITY OF WICHITA,
SEDGWICK COUNTY, KANSAS

INDEX OF SHEETS

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SHEET NO. 5 & 6 PLAN & PROFILE



LOCATION MAP

CITY OF WICHITA PROJECT NO. 468-76-245-80000-000-000-008

APRIL, 1982

PLANS PREPARED BY

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

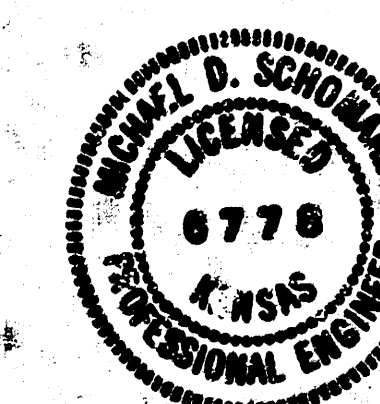
STORM DRAIN - SET B

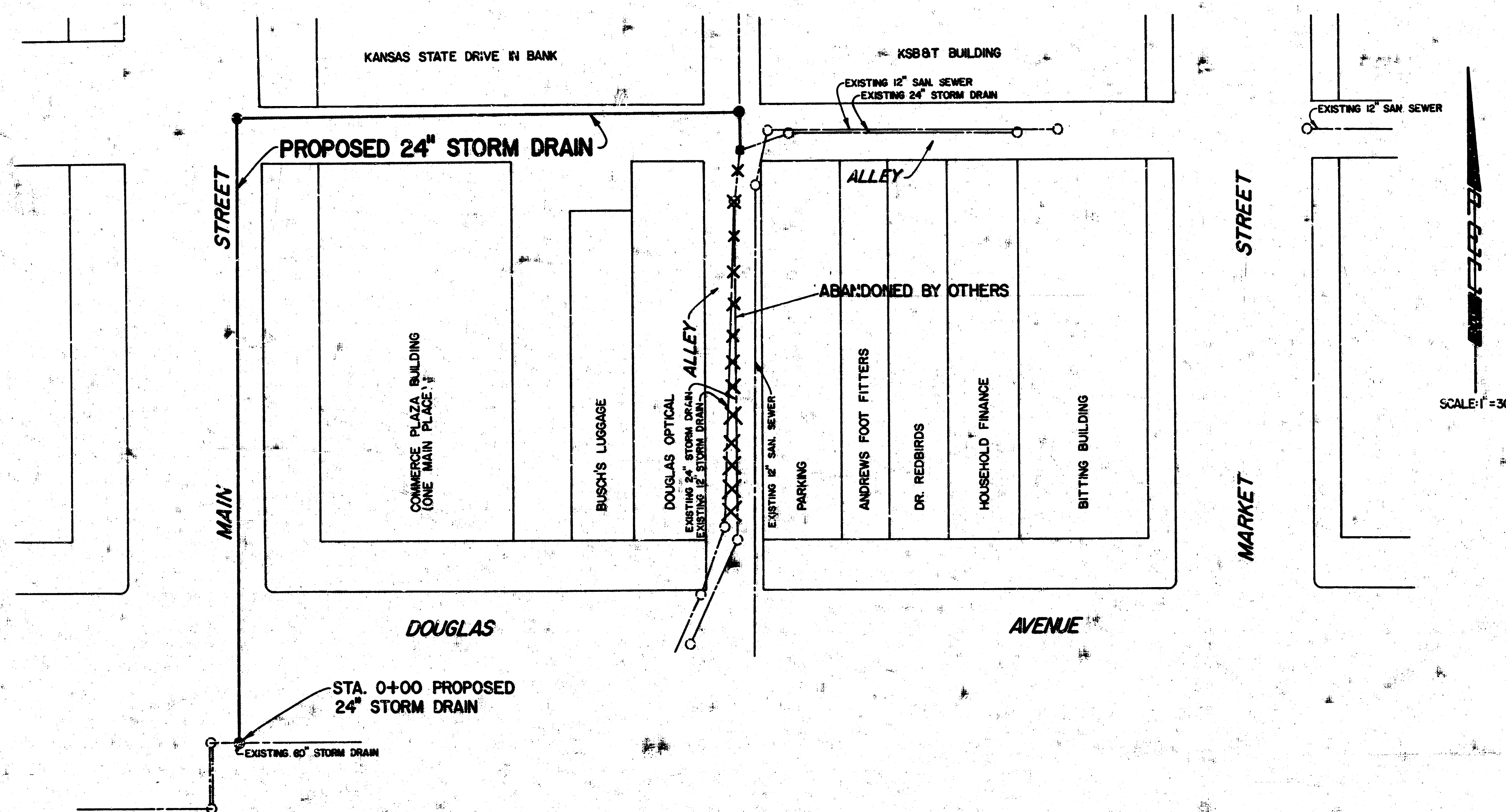
NOTE TO CONTRACTOR

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.

CITY OF WICHITA
APPROVED: Approval does not relieve the contractor from any responsibility for errors or deviations from the contract requirements or for any deficiencies of equipment, work, or materials.

DATE: 4/28/82
Engineering Div. *Chris Burt*





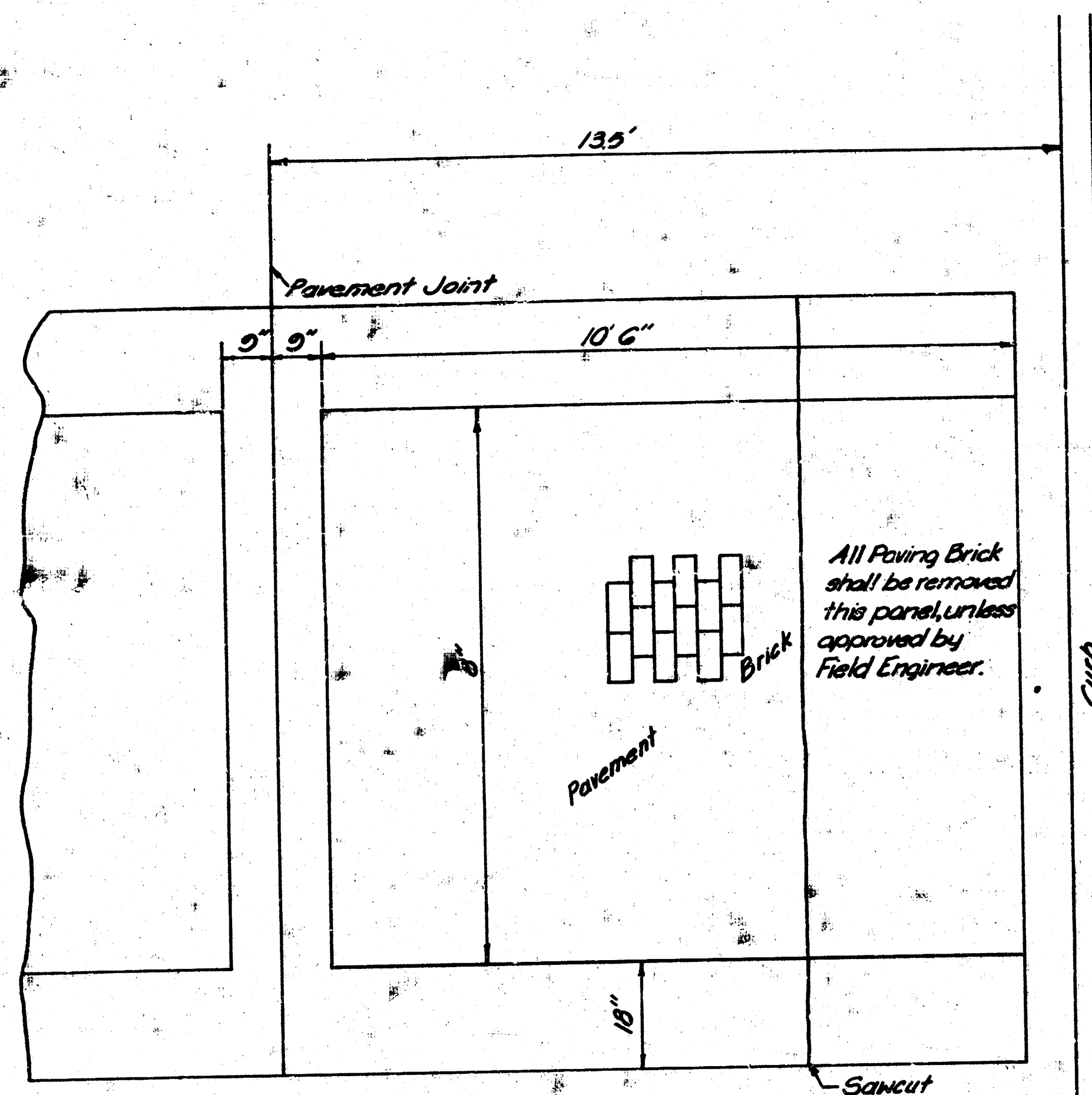
GENERAL NOTES

- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PAY FOR ALL PROJECT COSTS INCURRED BY THE CITY OF WICHITA WHICH INCLUDE CONSTRUCTION ENGINEERING, FIELD INSPECTION, TV INSPECTION, AND ANY OTHER TESTS REQUIRED BY THE CITY FOR PROJECT ACCEPTANCE.
- AT LEAST 48 HOURS PRIOR TO BEGINNING EXCAVATION (EXCLUDING WEEKENDS AND HOLIDAYS) THE CONTRACTOR SHALL CONTACT THE FOLLOWING UTILITY COMPANIES TO LOCATE ANY EXISTING LINES WITHIN THE PROJECT AREA.

KANSAS GAS & ELECTRIC 120 E. 1ST - 5TH FLOOR 261-6359 MR. HENRY EGLE	AIR CAPITAL CABLEVISION 2600 N. LSTIMER 9-5-6777 MR. ED ROSE
SOUTHWESTERN BELL TELE. CO. 626 N. BROADWAY 268-3179 MR. BOB EBBESON	SANITARY SEWERS CITY OF WICHITA DEPT. OF ENGINEERING 455 N. MAIN, 7TH FLOOR 268-4670 MR. DON SCHNEIDER
CITY OF WICHITA WATER DEPT. 455 N. MAIN 268-4555 MR. BEN GEGEN	STORM DRAINS CITY OF WICHITA DEPT. OF ENGINEERING 455 N. MAIN, 7TH FLOOR 268-4235 MR. CHRIS BREITENSTEIN
ARKLA GAS COMPANY 1630 S. BAEHR 942-8350 MR. HERSEL RUNION	GAS SERVICE COMPANY 1021 E. 26TH ST. N. 263-7511 MR. GENE CURLESS
- THE UTILITY LOCATIONS INDICATED ON THE PLANS ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING TRENCHING AND BORING OPERATION TO AVOID DAMAGING UTILITY LINES. ANY LINES DAMAGED SHALL BE REPLACED OR REPAIRED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL COORDINATE ALL TRAFFIC CONTROL WITH CITY OF WICHITA ENGINEERING AND SHALL PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (LATEST EDITION) TO THE CITY FOR APPROVAL.
- WESTERN UNION TELEGRAPH PERSONNEL HAVE INDICATED THAT THEIR CABLES ARE INACTIVE IN THE DOWNTOWN AREA. THE CONTRACTOR SHALL VERIFY THIS INFORMATION BEFORE REMOVING OR CUTTING CABLE.
- TOPS OF MANHOLES SHALL MATCH EXISTING PAVEMENT.
- THE CONTRACTOR SHALL PROVIDE ALL SURVEYING FOR VERTICAL AND HORIZONTAL CONTROL.

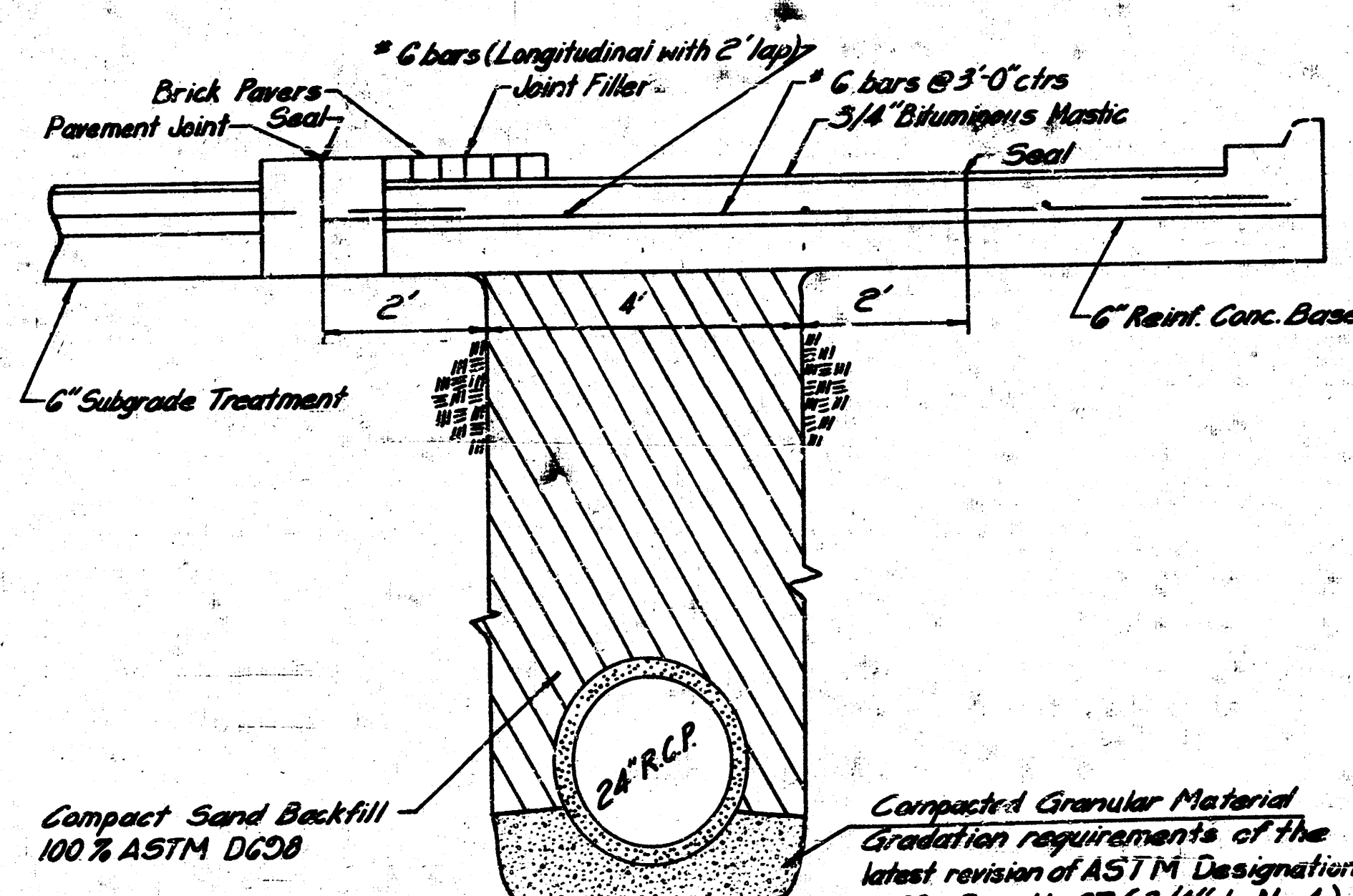
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

	Revision		By	Date
	CITY OF WICHITA, KANSAS			
	STORM DRAIN RELOCATION			
	KEY MAP & GENERAL NOTES			
	C OF W Proj. No. 468-76-245-80000-000-000-008			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.				
ENGINEERS WICHITA, KANSAS				
Designed by	MDS	Job No.	82098	Sht. 2 of 6
Drawn by	SC	Date	April 1992	

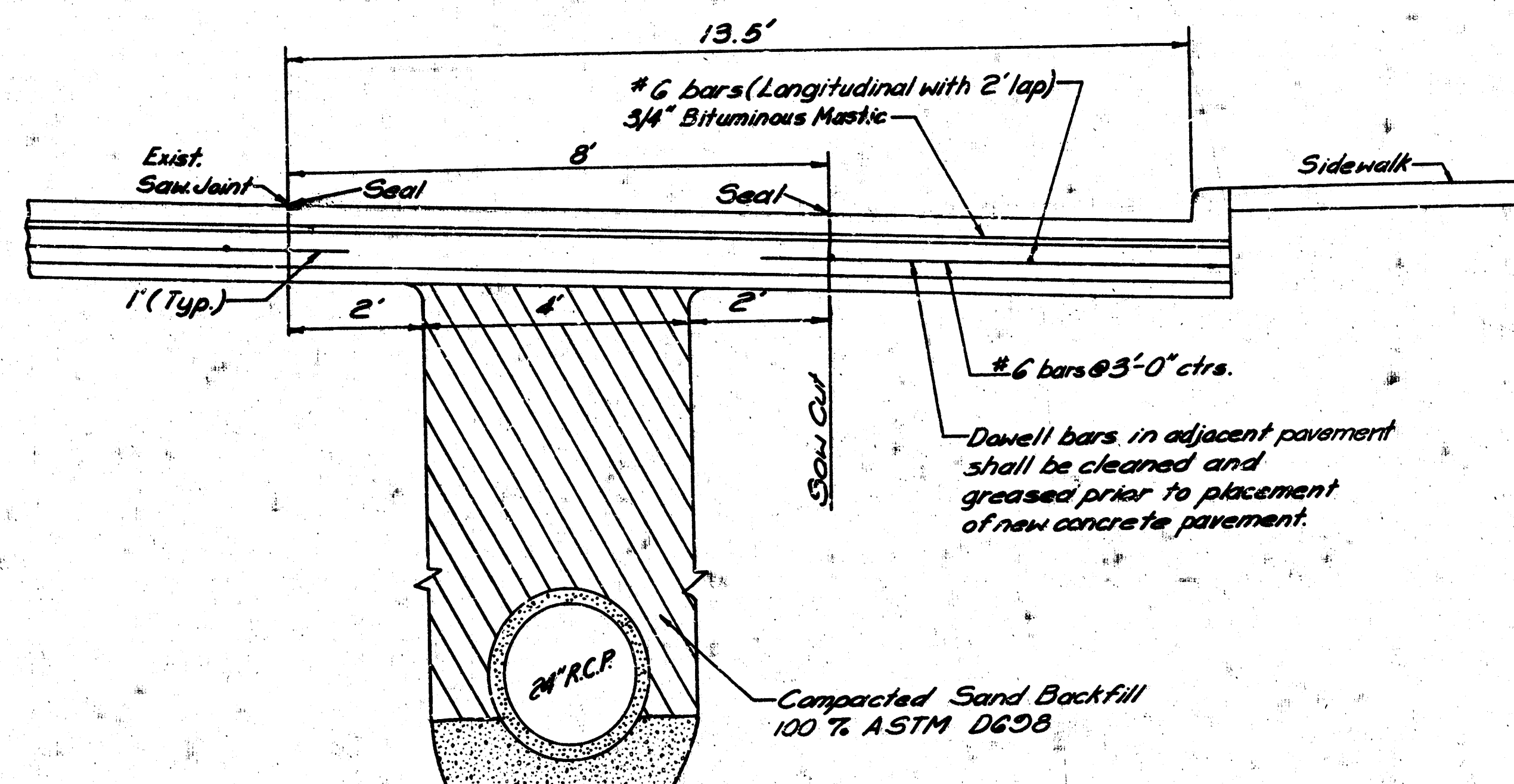


PLAN

Note: Paving Brick shall be salvaged and reset. Broken or cracked brick shall be replaced with new Paving Brick.

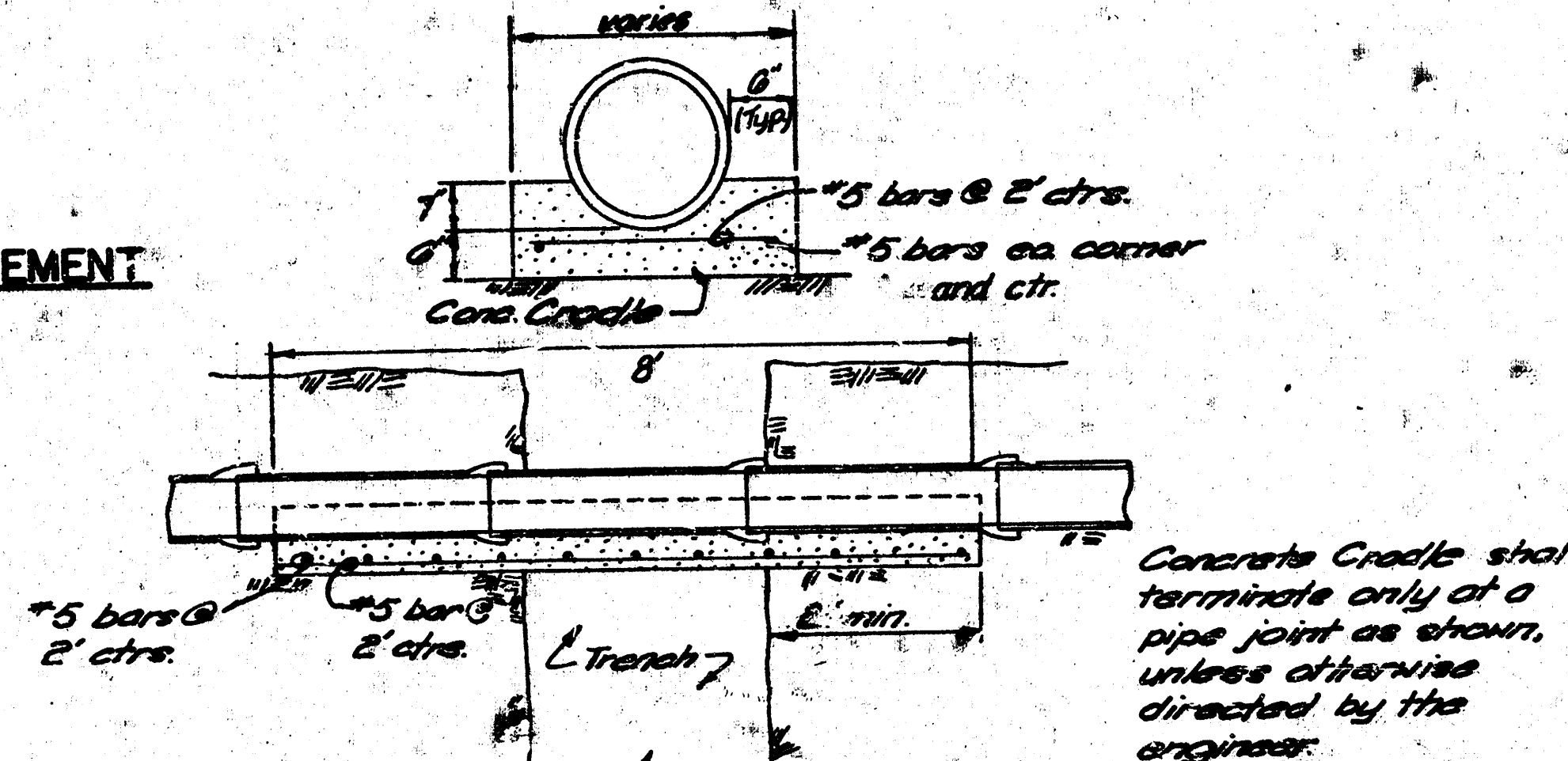


PAVEMENT BRICK REMOVAL AND REPLACEMENT

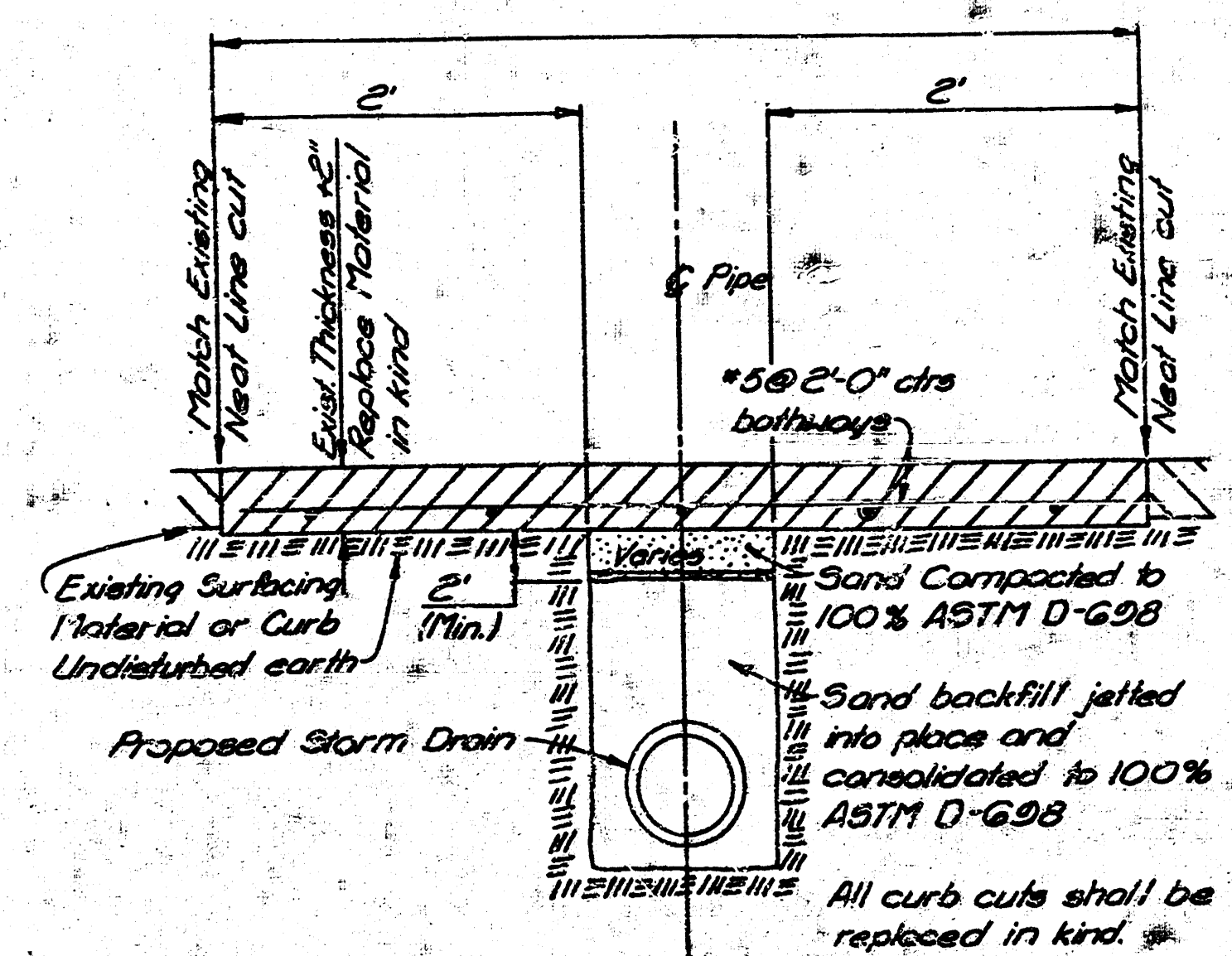


Compacted Granular Material
Gradation requirements of the
latest revision of A.S.T.M. Designation
C-33 Size No. 67 (3/4" to No. 4), or
KDOT BD-2

MAIN, MARKET AND DOUGLAS
STREET PAVEMENT REMOVAL AND REPLACEMENT



CONCRETE CRADLE DETAIL



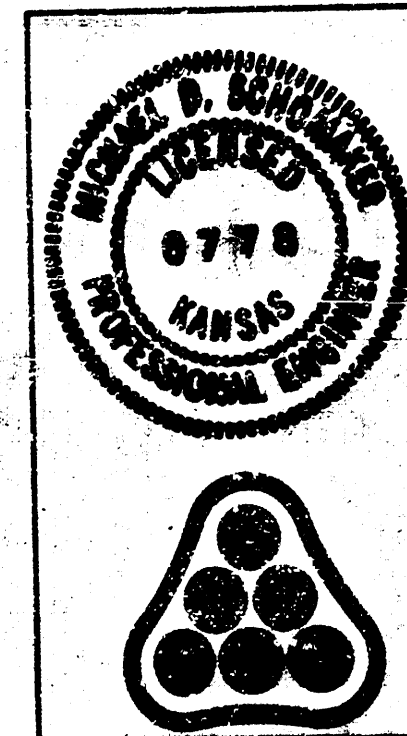
ALLEY PAVEMENT REMOVAL AND REPLACEMENT

BRICK PAVING SPECIFICATIONS

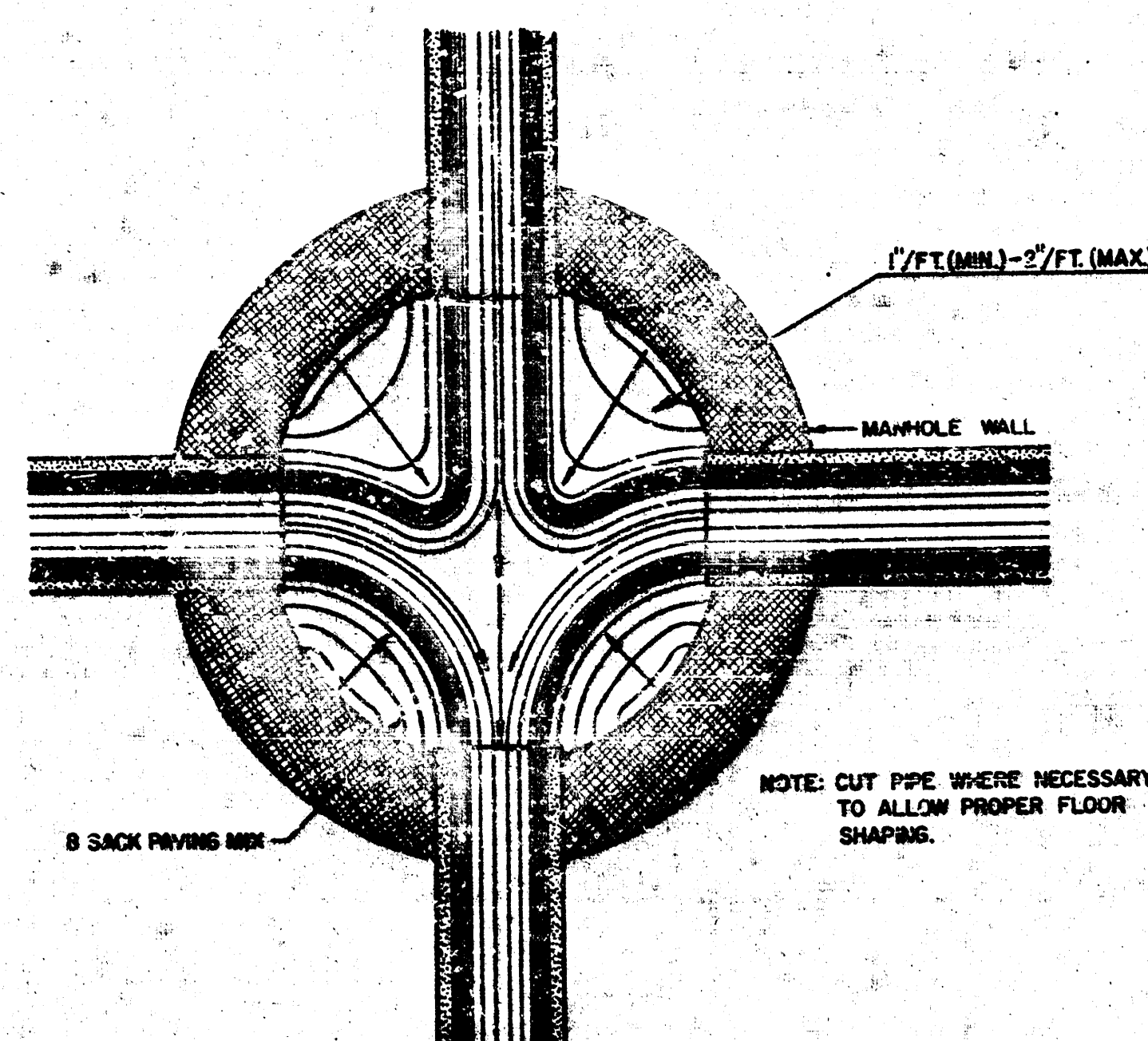
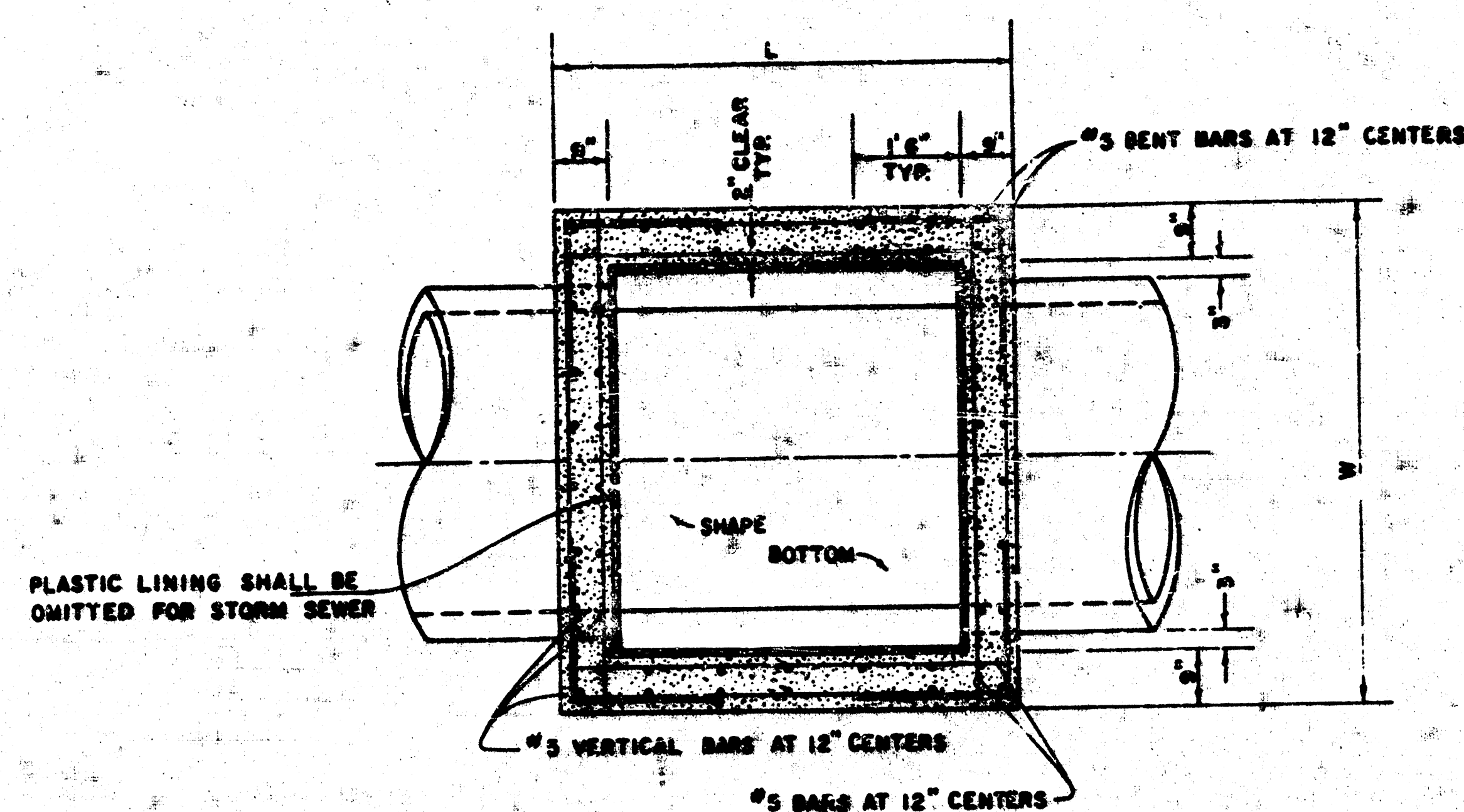
- MATERIALS:**
- BRICK: ALL BRICK ARE TO BE OF UNIFORM DESIGN, DIMENSIONS AND APPEARANCE AND ARE TO HAVE PREVIOUSLY BEEN USED IN A LOCAL ROADWAY PAVEMENT WHERE THEY PROVIDE SATISFACTORY SERVICE UNTIL SUCH TIME AS THEIR REMOVAL. BRICK ARE TO HAVE NOMINAL DIMENSIONS OF 3" X 4" X 8-3/4". BRICK OF OTHER PROPORTIONS WILL REQUIRE THE APPROVAL OF THE ENGINEER IF THEY ARE TO BE USED AND ALL APPROPRIATE ADJUSTMENTS TO OTHER PLAN DETAILS WILL BE MADE AT NO COST TO THE CITY. EACH BRICK IS TO BE INSPECTED TO INSURE THAT IT IS NOT CRACKED, EXCESSIVELY CHIPPED OR OF NONUNIFORM PROPORTIONS. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY BRICK FOR ANY REASON AT ANY TIME PRIOR TO ACCEPTANCE OF THE COMPLETED PAVEMENT.
 - BITUMINOUS MASTIC: MIXTURE OF LIQUID ASPHALT AND SAND, 92% SAND, 8% LIQUID ASPHALT.
 - LIQUID ASPHALT: AASHTO DESIGNATION NO. M-8270, ASTM D2027-76, MC-70 OR MC-250.
 - SAND: ASTM C136, 100% PASSING #4 SIEVE, 15-35% PASSING #10 SIEVE, 30-55% PASSING #40 SIEVE, 20-40% PASSING #80 SIEVE, 0-5% PASSING #200 SIEVE.
 - ASPHALT FILLER: AASHTO DESIGNATION NO. M-18-42 TYPE B, ASTM D241-43, TYPE B.
 - CONCRETE PAVING: CONCRETE PAVING SHALL BE CITY OF WICHITA STANDARD 6.6 SACK PAVING MIX.

INSTALLATION:

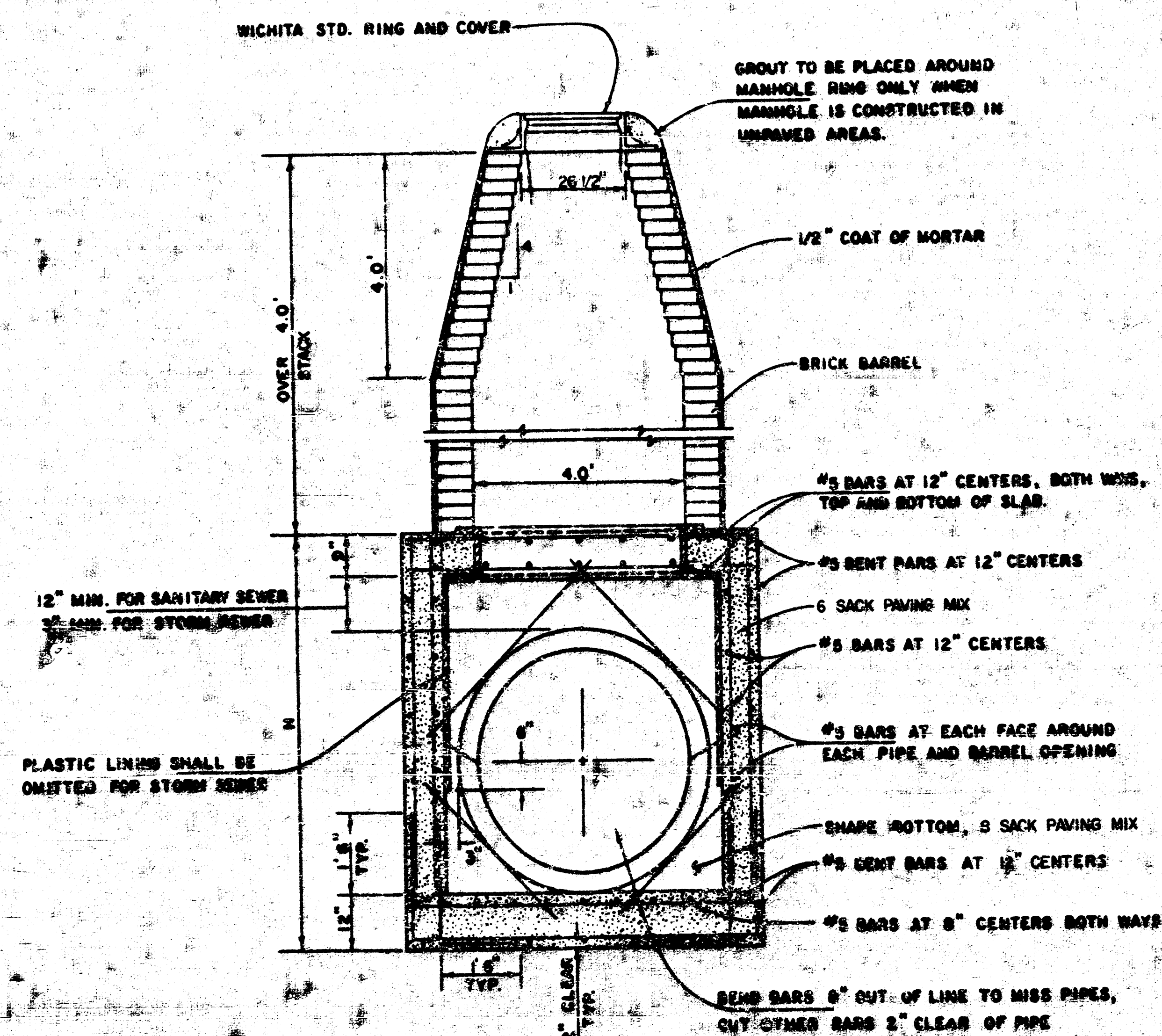
- BEDDING COURSE:
 - BITUMINOUS MASTIC: SPREAD ON SURFACE OF CONCRETE BASE 3/4" THICK AND STRUCK OFF WITH DOUBLE TEMPLATE.
 - FIRST TEMPLATE: SET SLIGHTLY ABOVE FINISH GRADE. AFTER STRIKING OFF, ROLL WITH LONG-HANDLED HAND ROLLER. CORRECT ALL SURFACE IRREGULARITIES.
 - SPREAD THIN LAYER OF MASTIC WITH SECOND TEMPLATE.
- PLACING BRICK:
 - BRICK: LAID IN ACCORDANCE WITH RUNNING BOND, OR AS OTHERWISE SPECIFIED.
 - BRICK LAYERS: STAND ON BRICK ALREADY LAID, BEING CAREFUL NOT TO DISTURB BEDDING COURSE.
 - BRICK: LAID IN STRAIGHT COURSES, CLOSELY TOUCHING EACH OTHER.
 - BRICK: INSPECTED AND OBJECTIONABLE BRICK REMOVED AND REPLACED WITH GOOD ONES AFTER LAYING.
- ROLLING BRICK:
 - BRICK: BROUGHT TO FIRM BEARING AND TRUE SURFACE BY ROLLING, WITH 3 TO 5 TON TANDER ROLLER.
 - AFTER ROLLING, SURFACE SHALL NOT VARY MORE THAN 1/4" IN 10' FEET.
 - REPLACE ANY BRICK DAMAGED BY ROLLING.
- FILLING JOINTS:
 - A 3% CALCIUM CHLORIDE SOLUTION CONTAINING 1% STARCH: SPRAYED ON SURFACE THROUGH A FINE NOZZLE VERTICALLY OVER SURFACE TO ASSURE EASY REMOVAL OF SURPLUS FILLER WHICH CAN BE REHEATED AND REUSED.
 - AFTER SURFACE OF BRICK HAS BEEN WETTED DOWN, FILL JOINTS WITH A MIXTURE THAT SHALL BE A UNIFORM 450° WHEN APPLIED TO BRICK SURFACE. THE FILLER, AT THE REQUIRED TEMPERATURE, SHALL BE Poured OR FLUSHED INTO THE JOINTS SO AS TO PENETRATE FULLY TO THE BOTTOM OF THE JOINT WITH A SURPLUS RETAINED ON THE BRICK SURFACE. AFTER THE JOINTS HAVE BEEN FILLED AND THE BITUMINOUS FILLER HAS COOLED SUFFICIENTLY, THE SURPLUS MATERIAL ON THE SURFACE SHALL BE CUT OFF BY MEANS OF A FLAT-BLADED TOOL, AND REMOVED FROM THE SURFACE OF THE PAVEMENT. THE REMOVAL SHALL BE SUCH THAT THERE WILL BE NO TENDENCY TO PULL OR LOOSEN THE FILLER IN THE JOINTS. ANY JOINTS FOUND UNFILLED WHEN THE SURPLUS MATERIAL HAS BEEN REMOVED SHALL BE REFILLED BY MEANS OF PND POURING POTS.



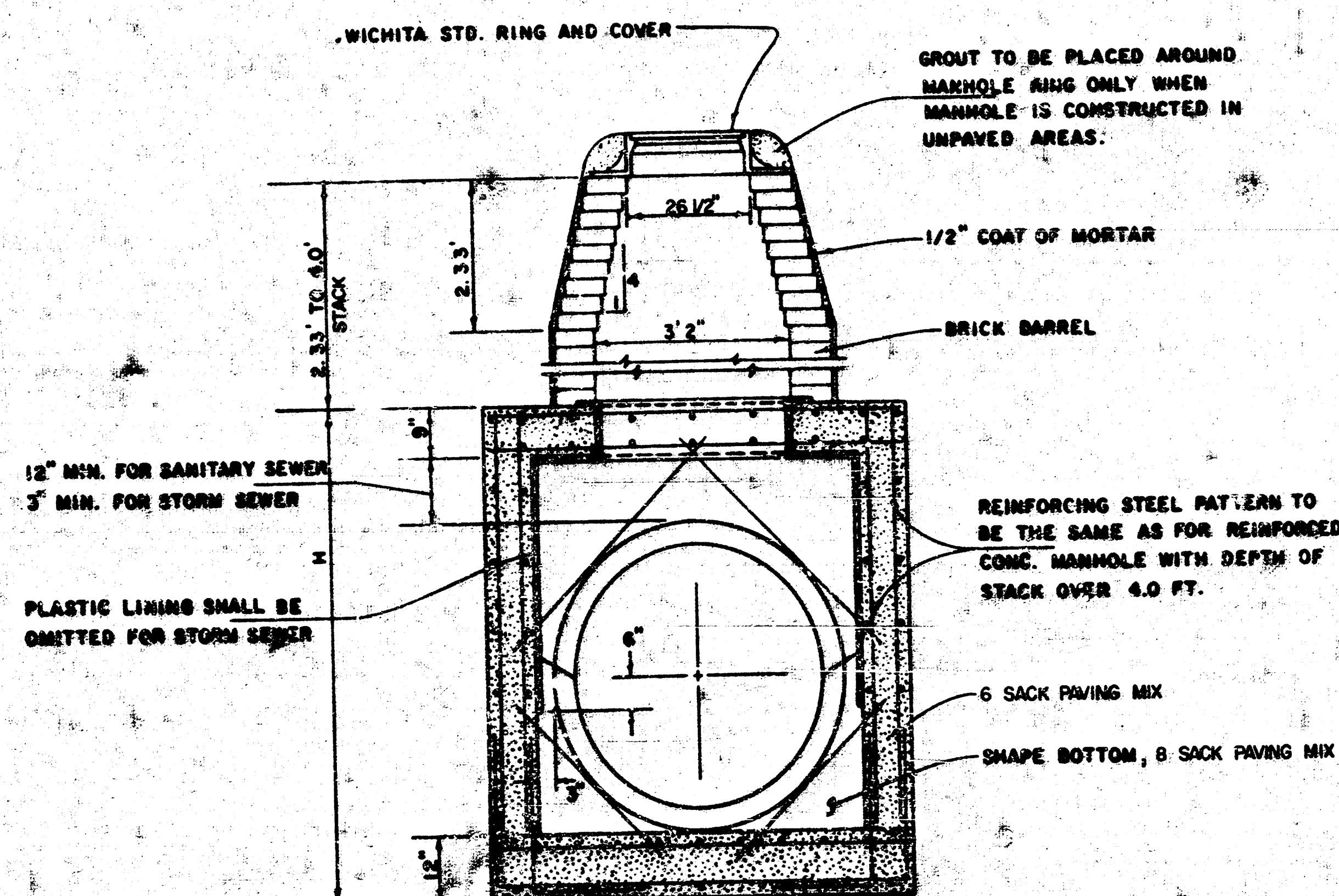
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CITY OF WICHITA, KANSAS			
PAVING REMOVAL & REPLACEMENT DETAIL			
C OF W Proj. No. 468-76-245-80000-000-000-008			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.			
ENGINEERS			
WICHITA, KANSAS			
Designed by MDS	Job No. 82098	Sht. 3	of 6
Drawn by SC, SM	Date April 1980		



TYPICAL MANHOLE
FLOOR SHAPING

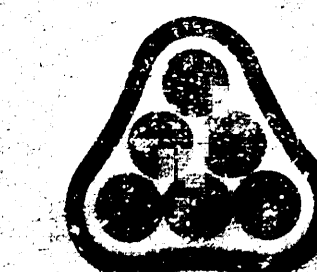


REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: OVER 4.0'
SCALE 1" = 2'



REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: 2.33' TO 4.0'
SCALE 1" = 2'

Note: Location of Brick Stack and construction of Brick Stack may be offset on concrete MH to accommodate existing utilities. Configuration of the Brick Stack to be used shall be approved by the Field Engineer prior to construction.



No.	Revision	By	Date
CITY OF WICHITA, KANSAS			
MANHOLE DETAILS			
C OF W Proj. No. 468-76-245-80000-000-000-008			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.			
ENGINEERS WICHITA, KANSAS			
Designed by	MDS	Job No.	320-98
Drawn by		Date	April 1980
		Sh.	4 of 6

PLAN	SURVEYED	DATE
	NOTED BOOK	BY
NO.	REVISION	DATE
	REVISION	DATE

PROFILE	SURVEYED	DATE
	NOTED BOOK	BY
NO.	REVISION	DATE
	REVISION	DATE

