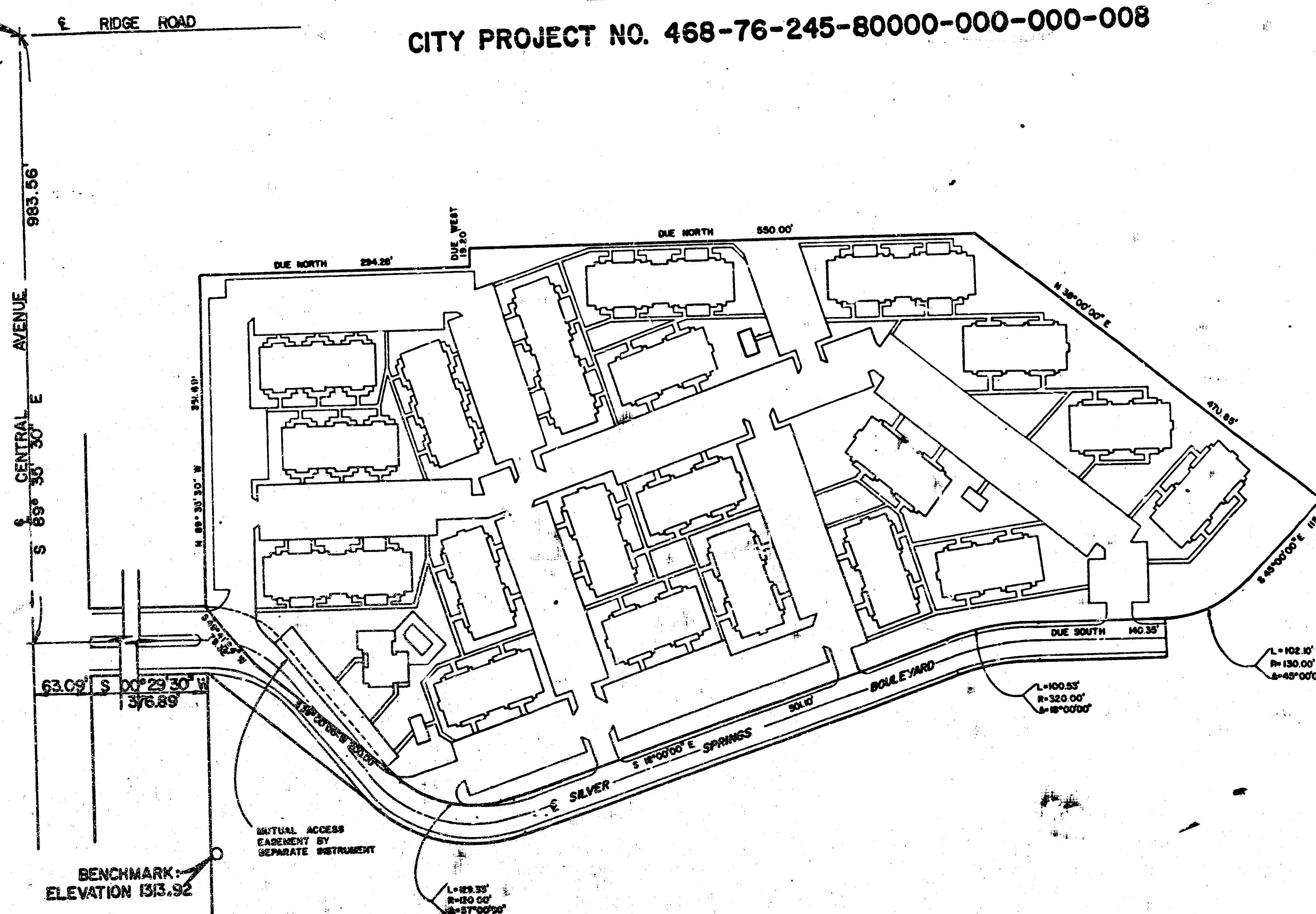
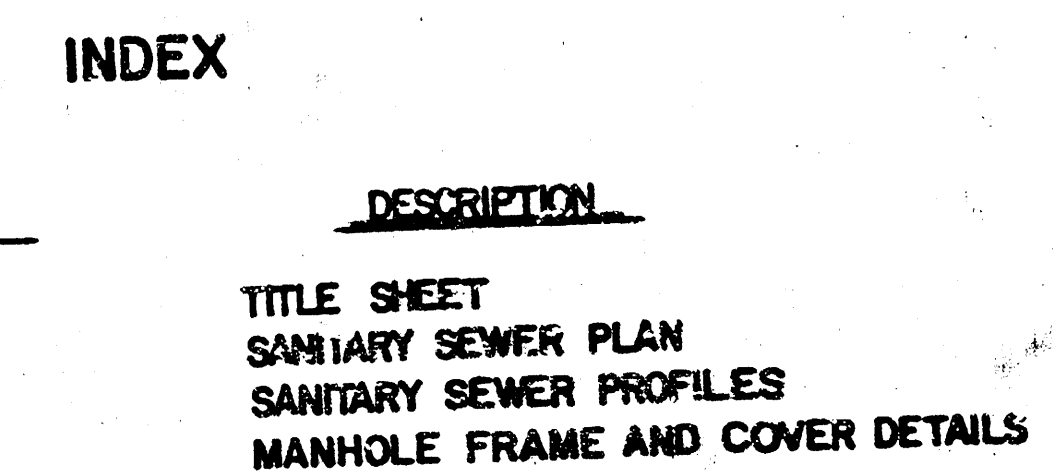
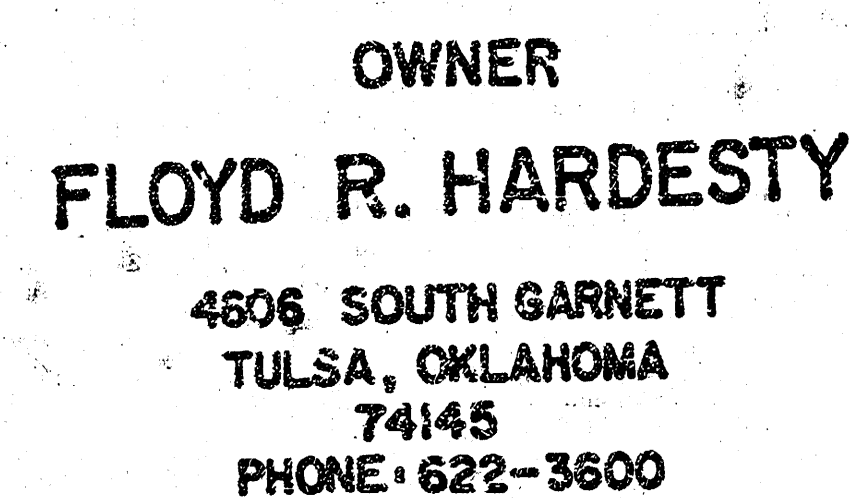


CITY PROJECT NO. 468-76-245-80000-000-000-008



BENCHMARK: APPROXIMATELY 1135.00 FEET EAST
AND 453.57' FEET NORTH OF THE SOUTHWEST
CORNER OF SECTION 15, T-27-S, R-1-W
ELEVATION 1313.92

(00) ○ STANDARD TYPE "A" OR "C" I.D. MANHOLE & NUMBER
 (0) ○ STANDARD LAMPHOLE & LETTER
 (0) ○ CONNECTION TO EXISTING MANHOLE & LETTER
 _____ 6" VITRIFIED CLAY PIPE
 UNLESS OTHERWISE NOTED
 STM _____ STM STORM SEWER CROSSING
 W _____ W WATER CROSSING
 _____ CAST IRON PIPE

ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CITY OF WICHITA SPECIFICATIONS.

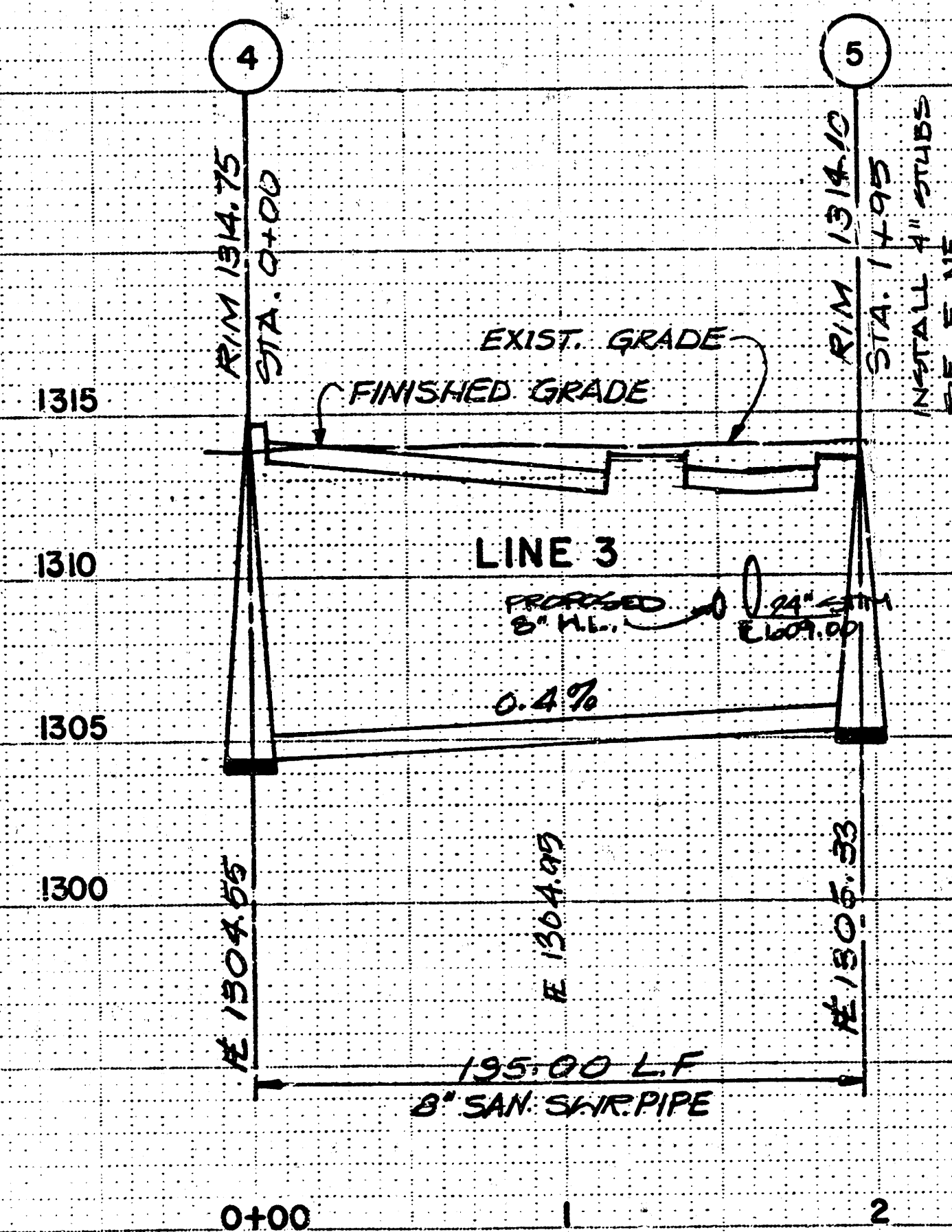
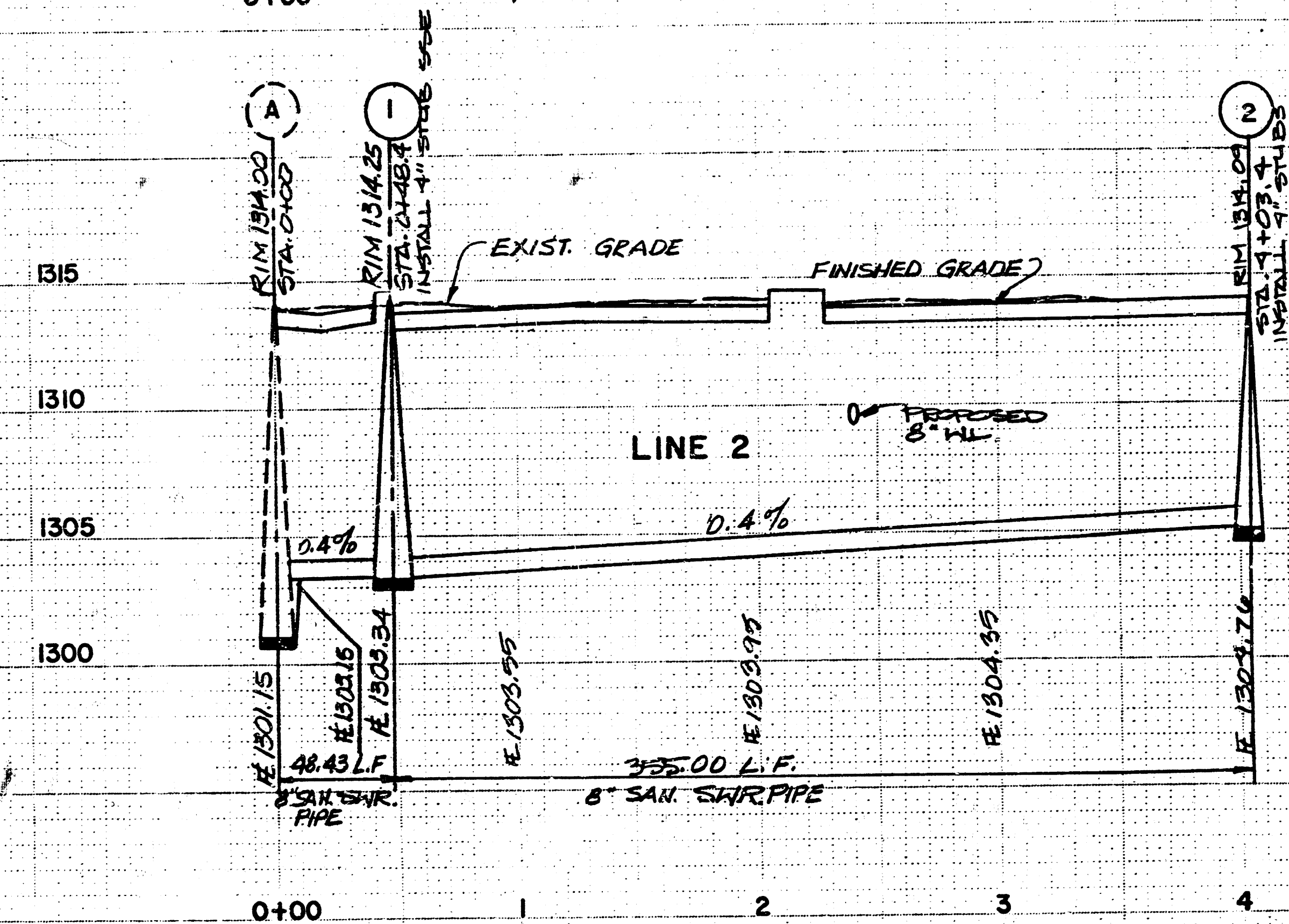
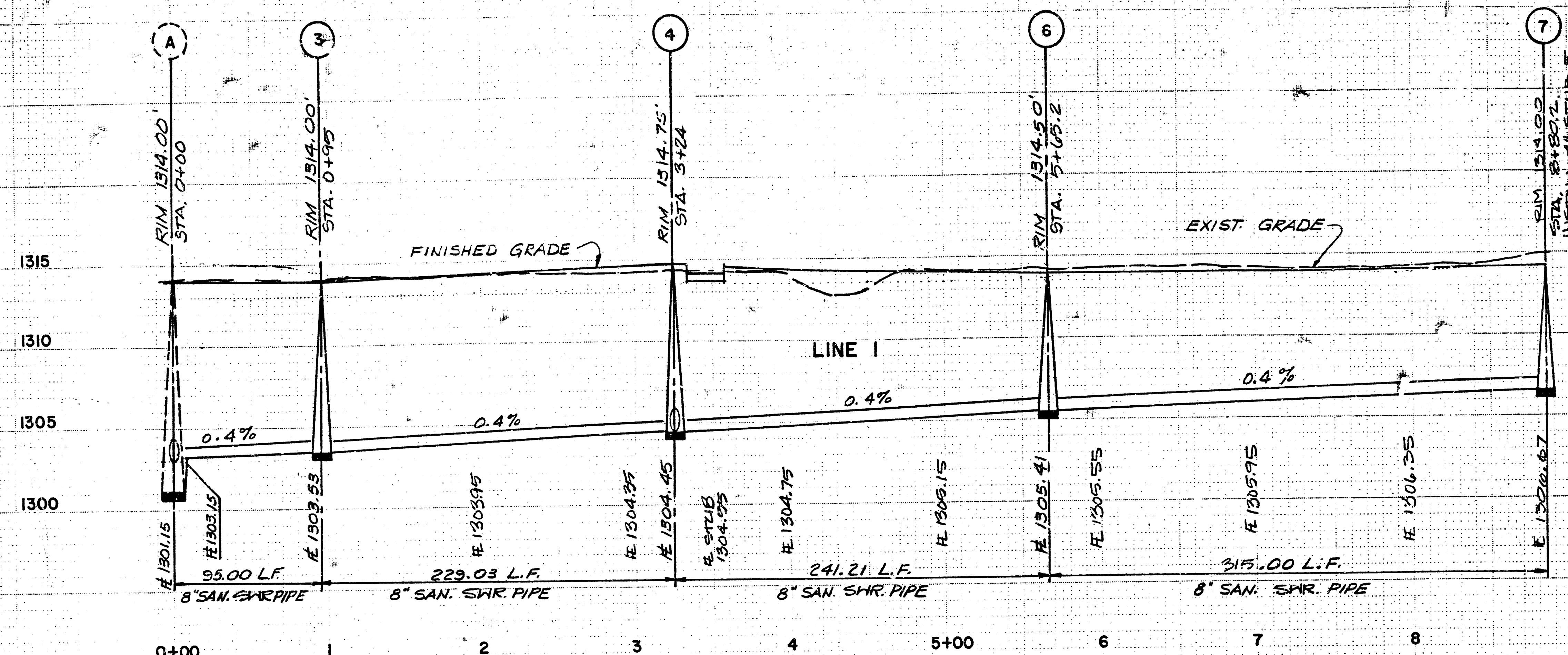
EXISTING UNDERGROUND LINES HAVE BEEN SHOWN TO THE EXTENT KNOWN AND LOCATIONS ARE APPROXIMATE. THE EXACT LOCATIONS, AND NOTIFICATION OF THE PROPER AGENCY IS THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO ANY EXCAVATION.

ALL ELEVATIONS ARE U.S.C.S. BASED ON SEA LEVEL DATUM.

APPROVED AS NOTED
By C.E. ENGINEER OF WORKS
Railway Services
Water Services
Highway 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 shall prepare the City of Wichita for all details of location etc.

REVISION	BY	DATE	PLAN SCALE	DRAWN S.D.D.	APPROVED:
			1"=100'	DESIGNED J.T.	
			PROFILE SCALE	RAINTREE APARTMENTS	
			HORIZONTAL:	SANITARY SEWER	
			1" =	TITLE SHEET	
			VERTICAL:	RECOMMENDED	
			1" =	ENGINEERING MASTER	
			FILE: 4118	DRAWING:	DATE:
			ATLAS PAGE NO:		SHEET 1 OF 4 SHEETS



CITY OF WICHITA, KANSAS

R. C. YOUNG & ASSOCIATES

REGISTERED PROFESSIONAL ENGINEERS

REVISION	BY	DATE	PLAN SCALE	DRAWN	W.S.	APPROVED
				DESIGNED	T.J.S.	
				RAINTREE APARTMENTS		
			PROFILE SCALE			
			HORIZONTAL			
			1" = 50'			
			VERTICAL			
			1" = 5'			
			FILE: 4118	DRAWING		
			ATLAS PAGE 1/C			

MANHOLE FRAME AND COVER DETAIL

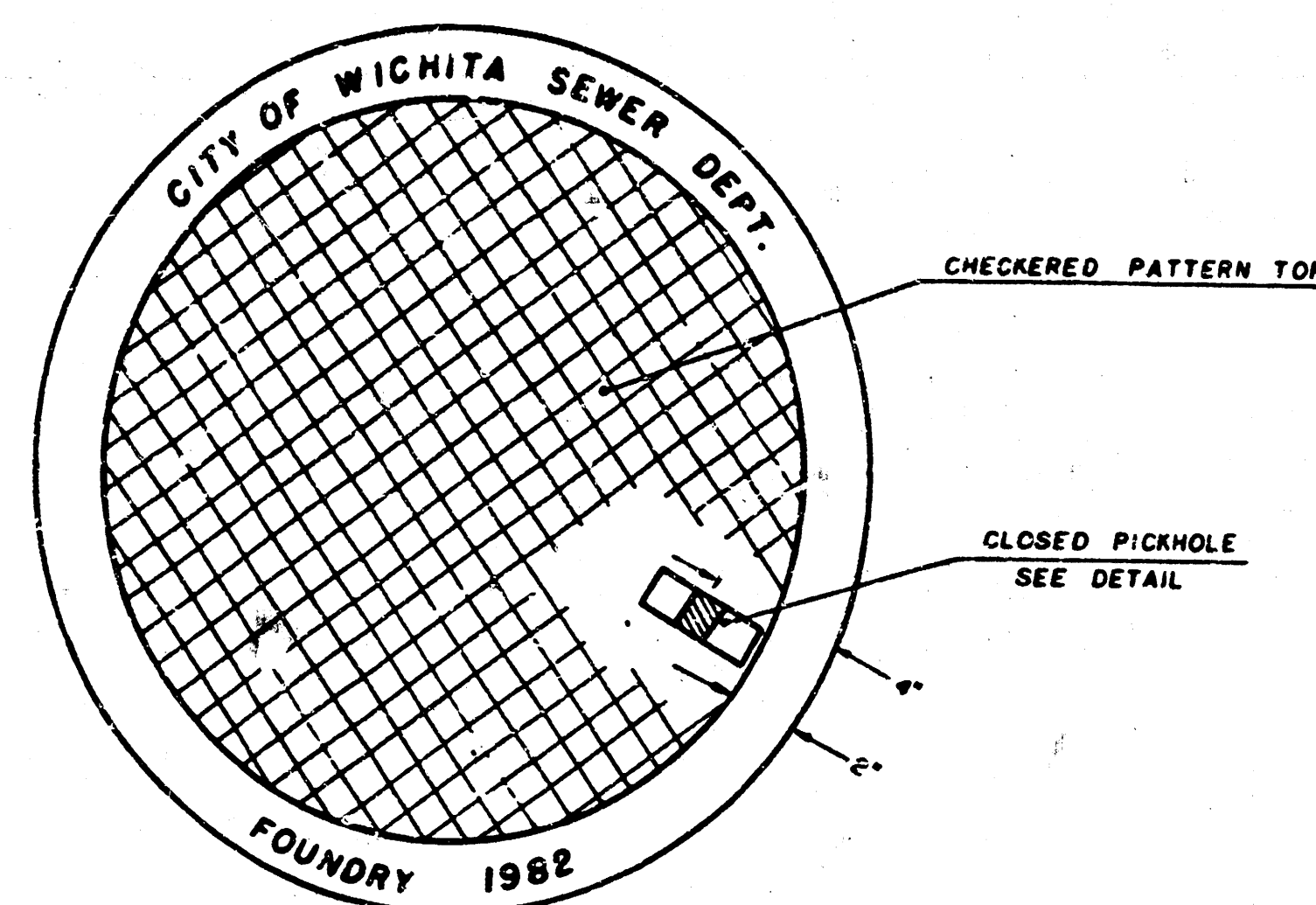
ADOPTED AS STANDARD DESIGN

BY

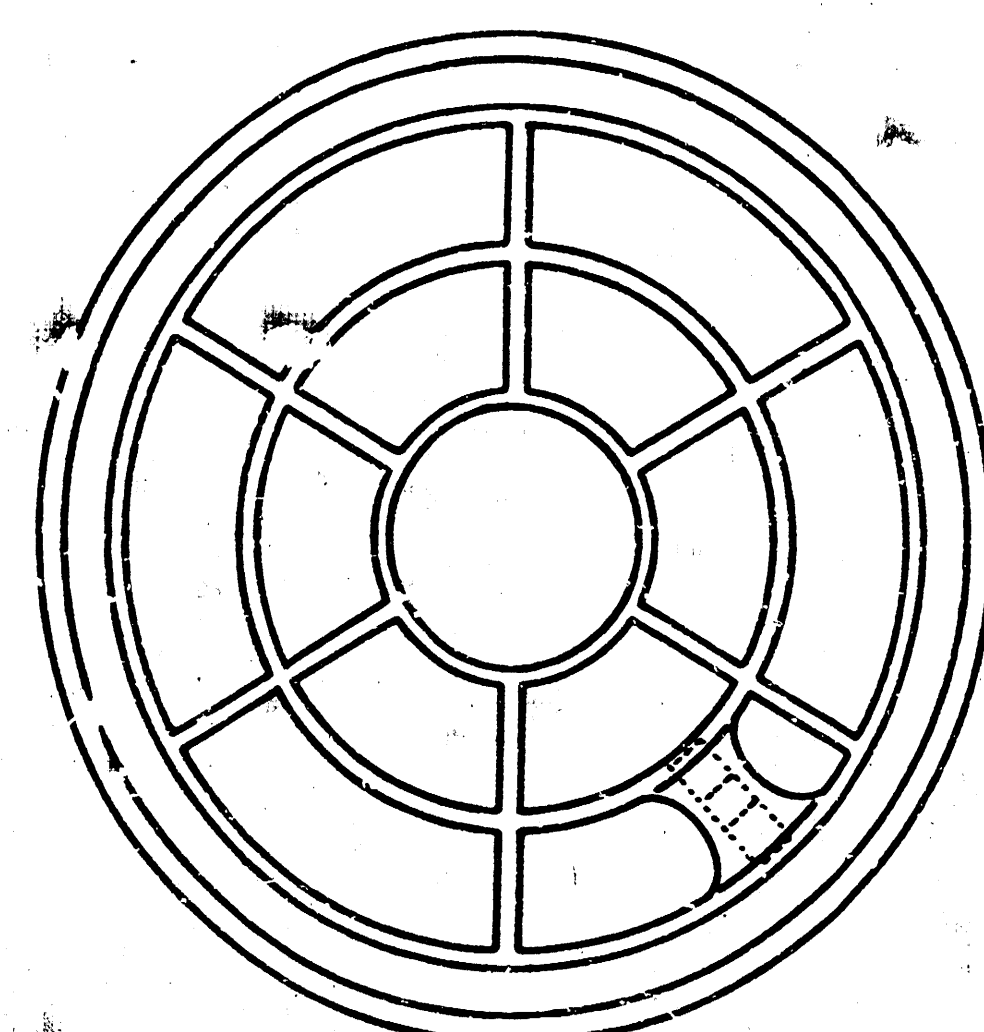
City of Wichita, Kansas

MANHOLE COVER

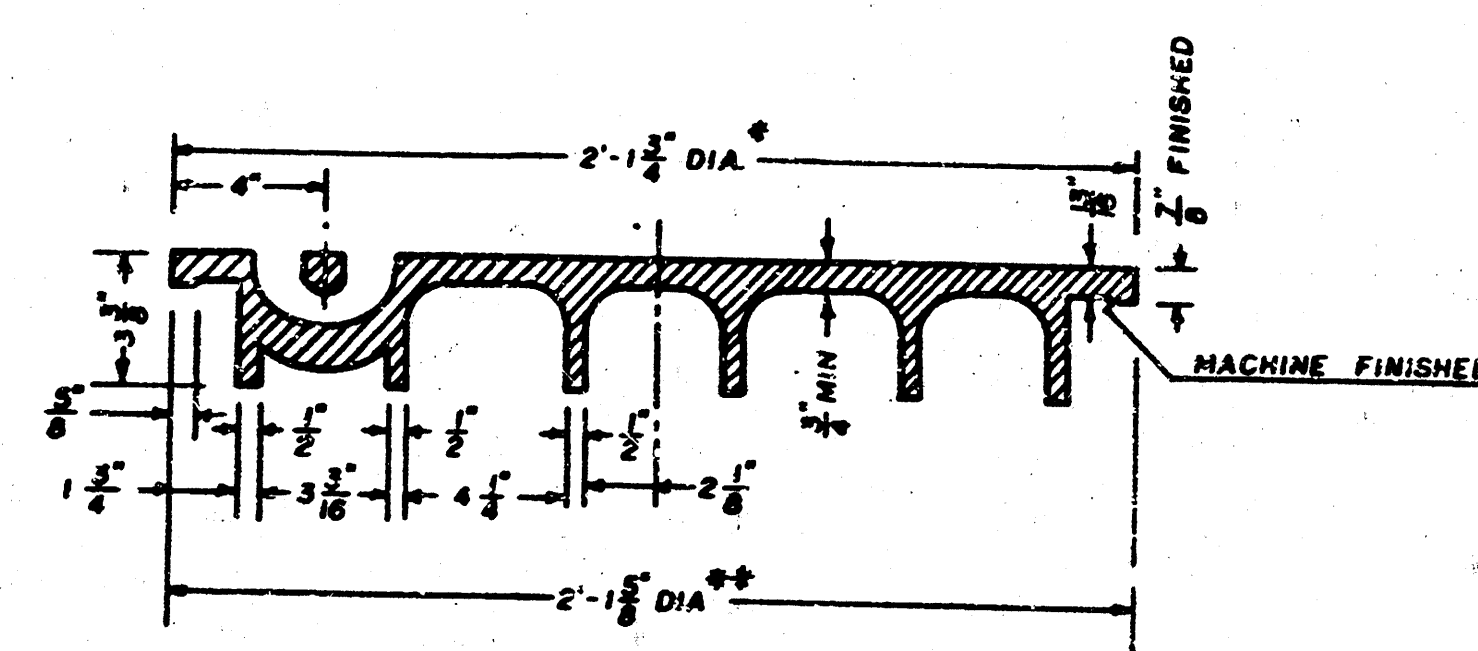
Weight: 180 Lbs.



TOP VIEW



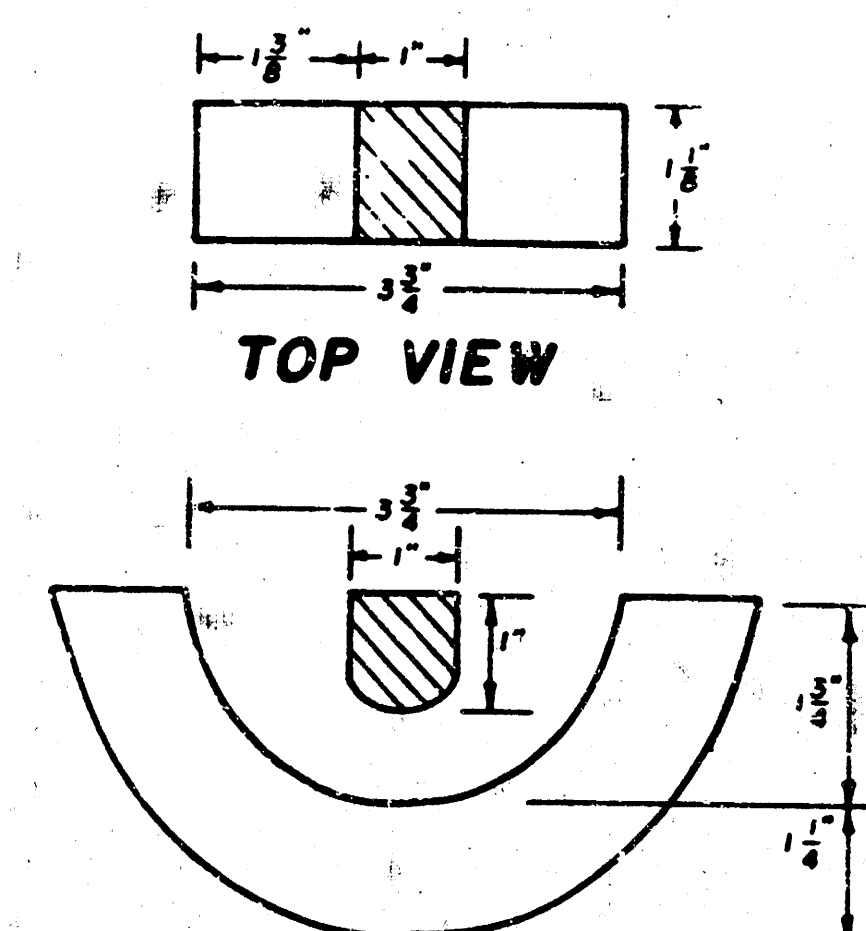
BOTTOM VIEW



SECTION VIEW

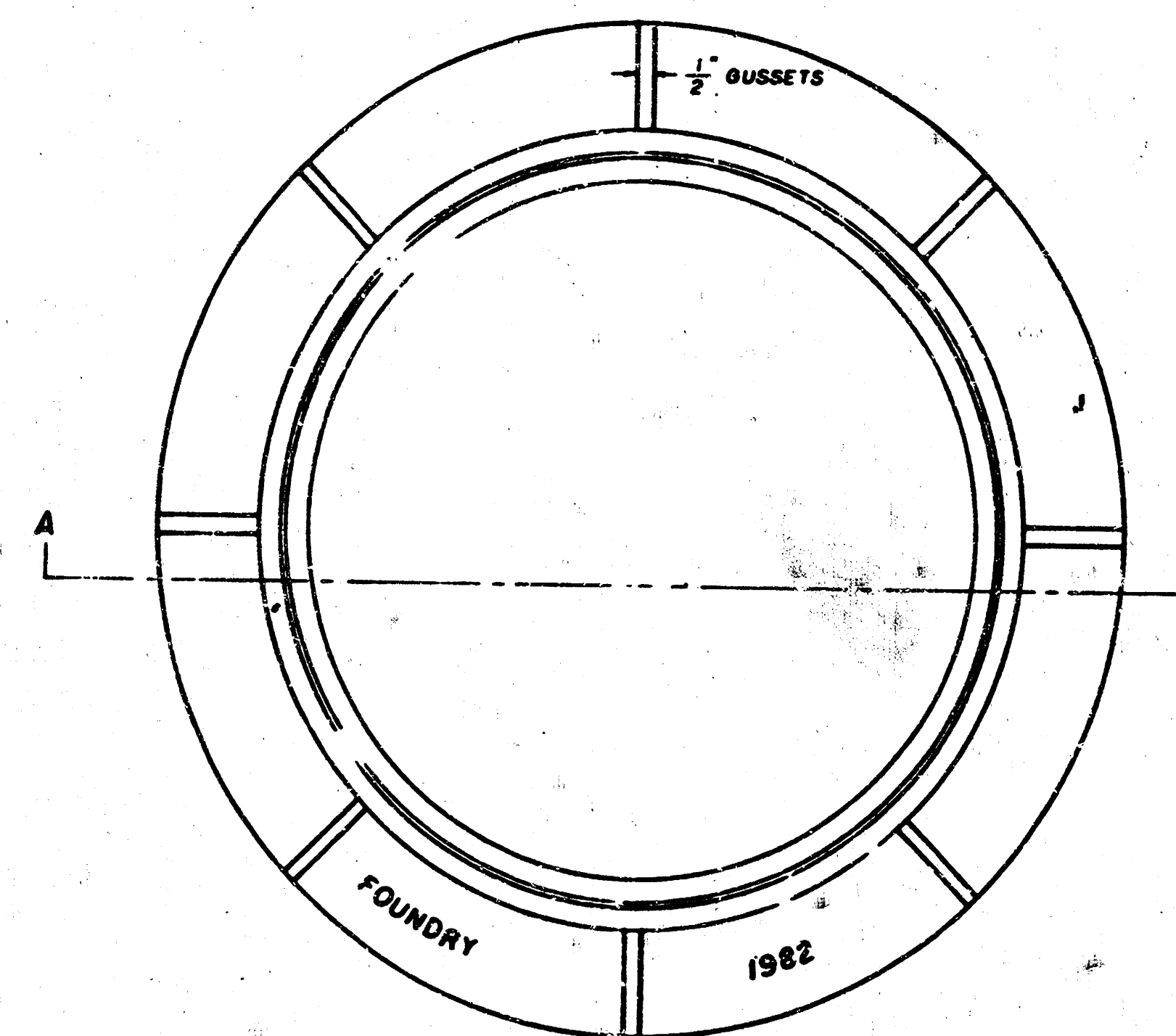
* OUTSIDE DIA. TOP OF COVER
** OUTSIDE DIA. BOTTOM OF COVER

PICKHOLE DETAIL

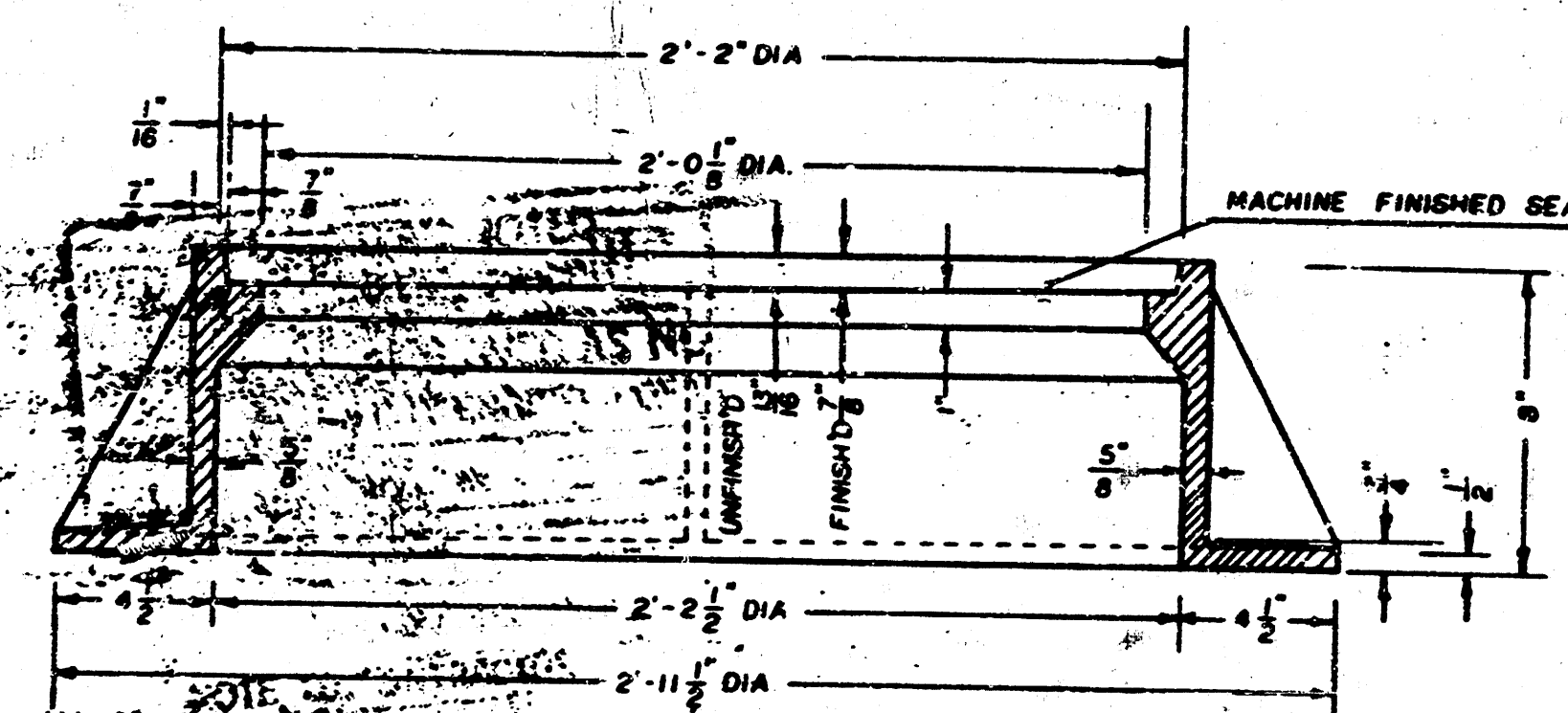


MANHOLE FRAME

Weight: 240 Lbs.



TOP VIEW



SECTION A-A

GENERAL NOTES

1. MANHOLE CASTINGS SHALL BE MANUFACTURED USING GOOD QUALITY GRAY IRON CONFORMING TO CLASS 30 OF A.S.T.M. DESIGNATION A-48. DIMENSIONS AND WEIGHTS SHOWN ON THE DETAILED DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ANY DEVIATIONS FROM THE DIMENSIONS SHOWN MUST BE SPECIFICALLY APPROVED. THE FINISHED CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTIONS OR OTHER DEFECTS.
2. MANHOLE CASTINGS SHALL BE COATED WITH AN ASPHALT PAINT RESULTING IN A SMOOTH, TOUGH AND TENACIOUS COATING WHICH IS NOT BRITTLE OR TACKY.
3. MANHOLE CASTINGS SHALL BE MANUFACTURED SUCH THAT A COVER MANUFACTURED BY ANY ONE FOUNDRY WILL FIT INTERCHANGEABLY INTO A FRAME MANUFACTURED BY ANOTHER FOUNDRY AND STILL MEET ALLOWABLE CLEARANCES AND NON-ROCKING REQUIREMENTS. THIS WILL REQUIRE MANUFACTURING OF THE MATCHING FACES ON THE COVER AND THE FRAME TO CLOSE TOLERANCES.
4. THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE IN THE FRAME RECESS SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AT ANY POINT AROUND THE CIRCUMFERENCE OF THE COVER. THE SEATING SURFACES BETWEEN THE COVER AND FRAME SHALL BE MACHINED SUCH THAT THESE SURFACES SHALL MAKE FULL CONTACT FOR THEIR FULL CIRCUMFERENCE TO PRECLUDE THE COVER FROM ROCKING IN THE FRAME.
5. THE MANHOLE FRAME AND COVER SHALL BE MARKED WITH LETTERING INDICATING THE NAME OF THE MANUFACTURER AND THE YEAR WHEN THE COVER OR FRAME WAS CAST. THE COVER SHALL BE FURTHER IDENTIFIED WITH REGARDS TO OWNERSHIP USING LETTERS AT LEAST 1" IN HEIGHT. THIS IDENTIFICATION SHALL BE "CITY OF WICHITA SEWER DEPARTMENT". THE WORD DEPARTMENT MAY BE ABBREVIATED. THE TEXTURE OF THE TOP SURFACE OF THE COVER SHALL BE MANUFACTURED IN A CHECKERED PATTERN DESIGN AS INDICATED ON THE DRAWINGS. SMOOTH BLOCKOUTS SHALL BE UTILIZED TO HIGHLIGHT THE LETTERING ON THE COVER SURFACE. THE TOTAL AREA OF SMOOTH SURFACE BLOCKOUT SHALL NOT EXCEED THE AREA AS INDICATED ON THE DRAWING. POSITIONING OF SMOOTH BLOCKOUTS AND LETTERING MAY VARY FROM THAT SHOWN ON THE DETAILED DRAWING.