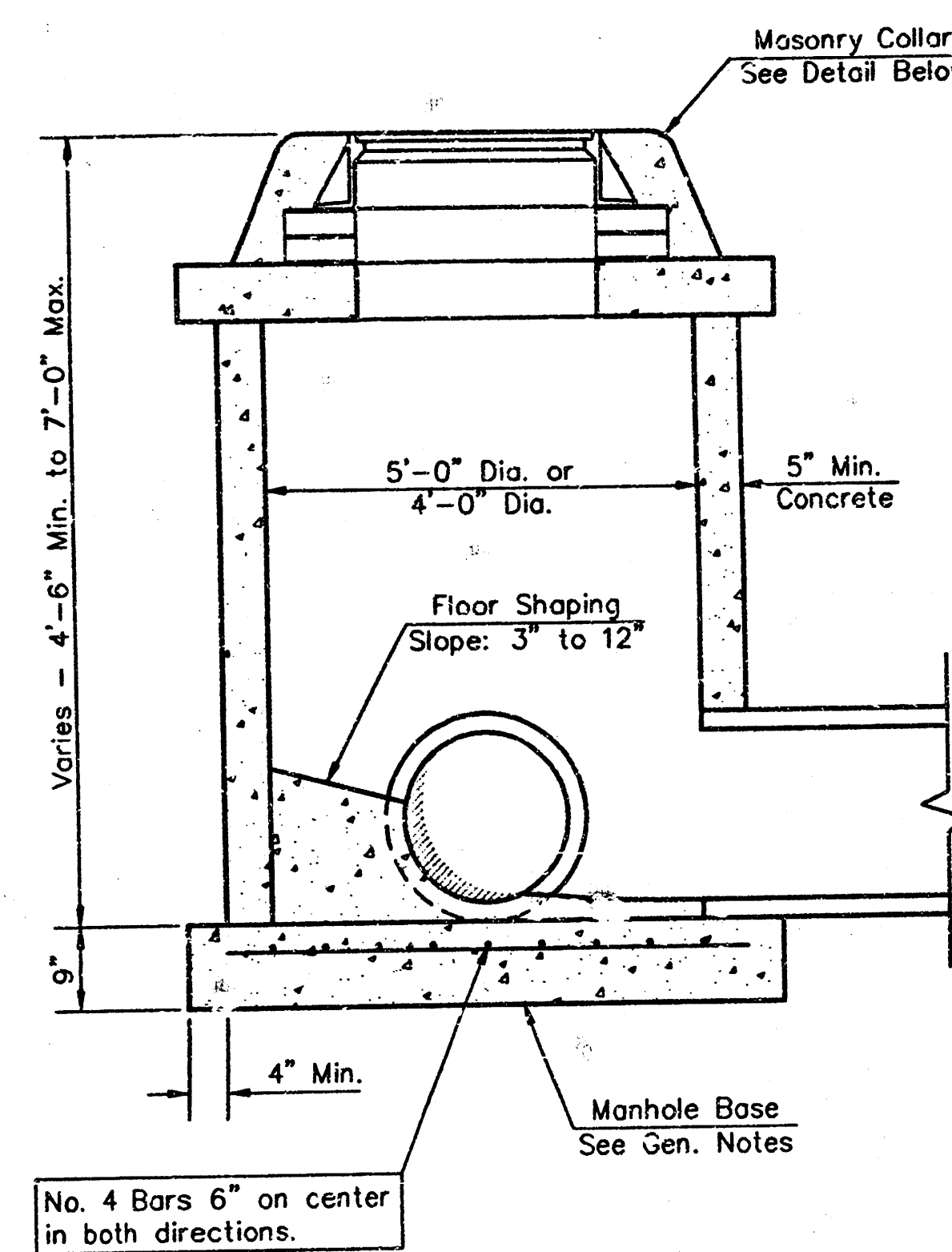
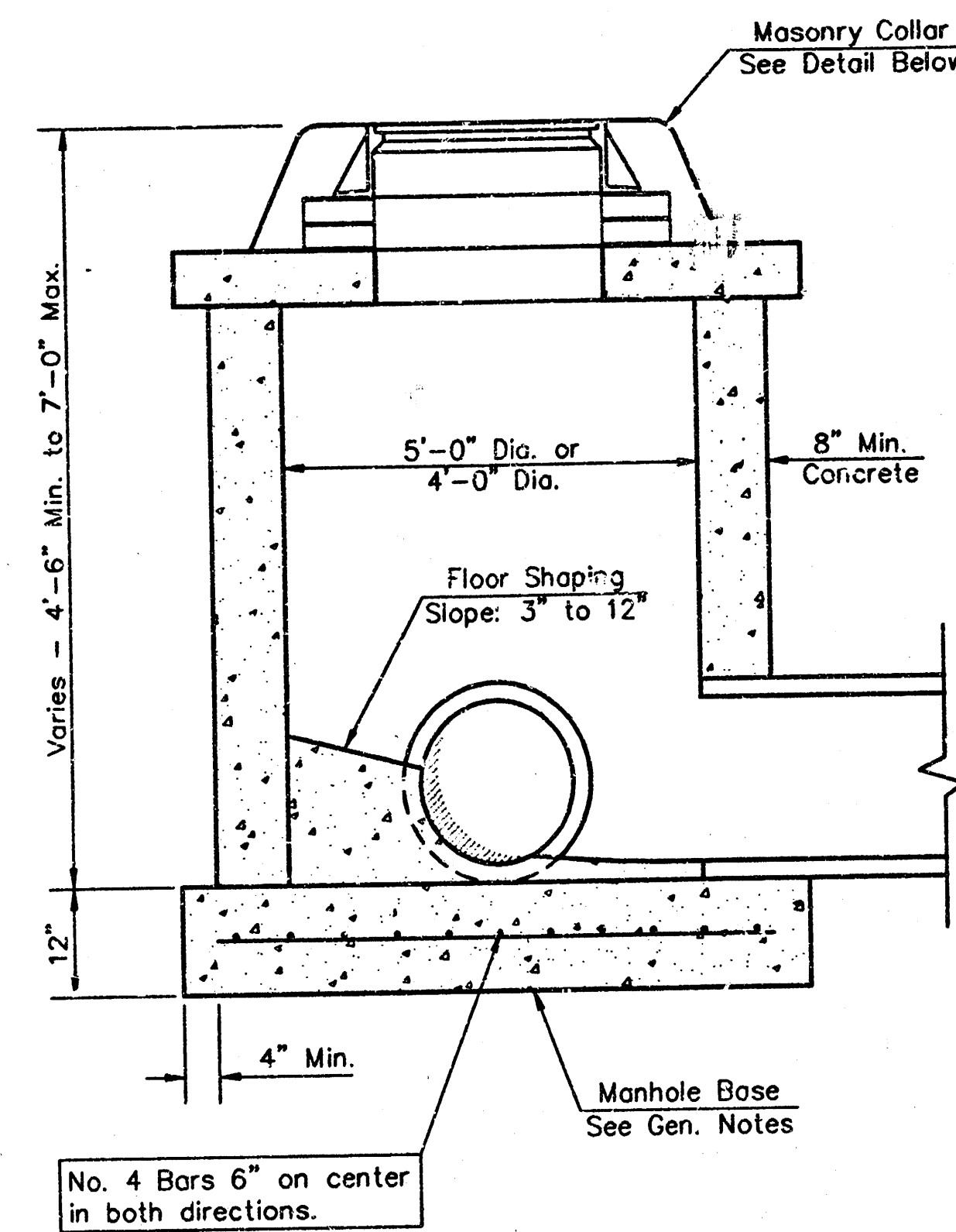
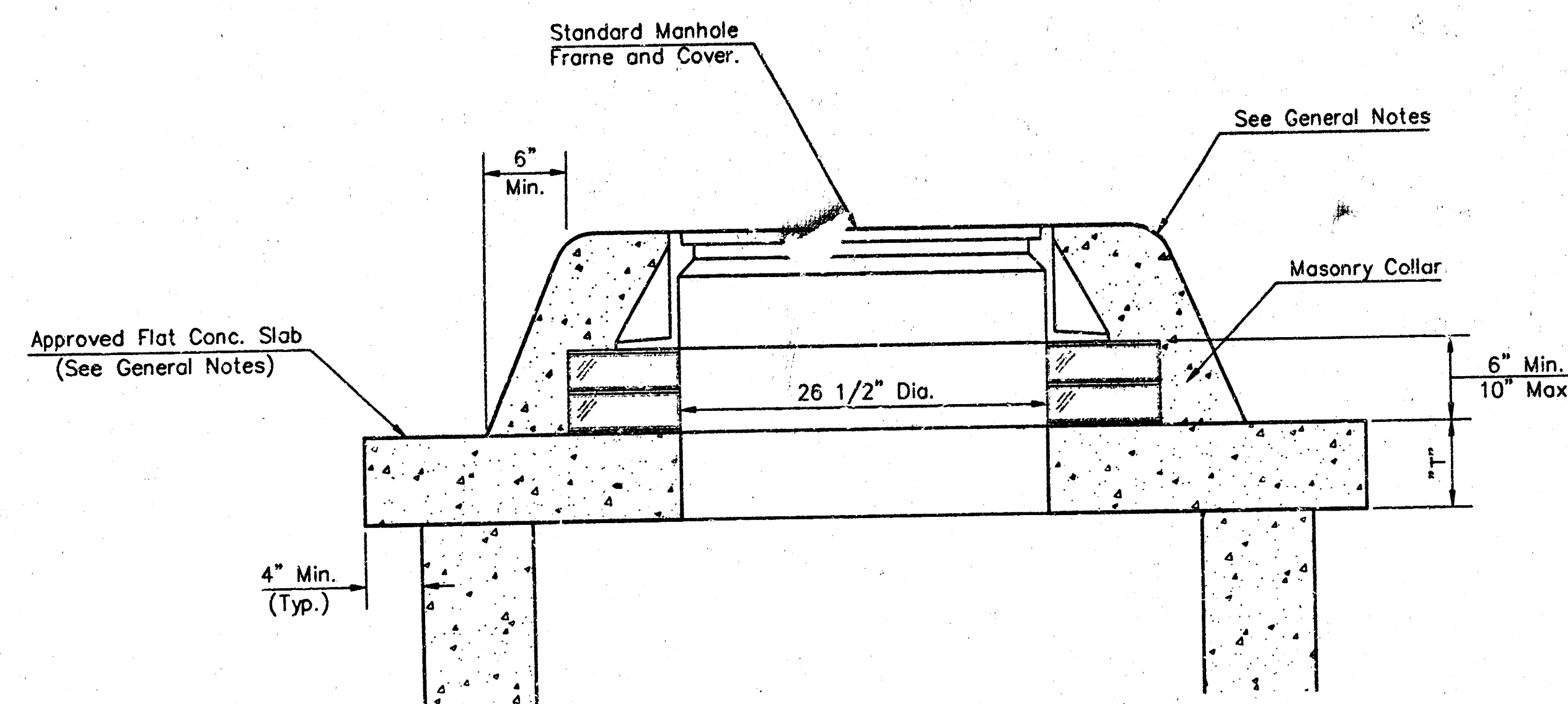




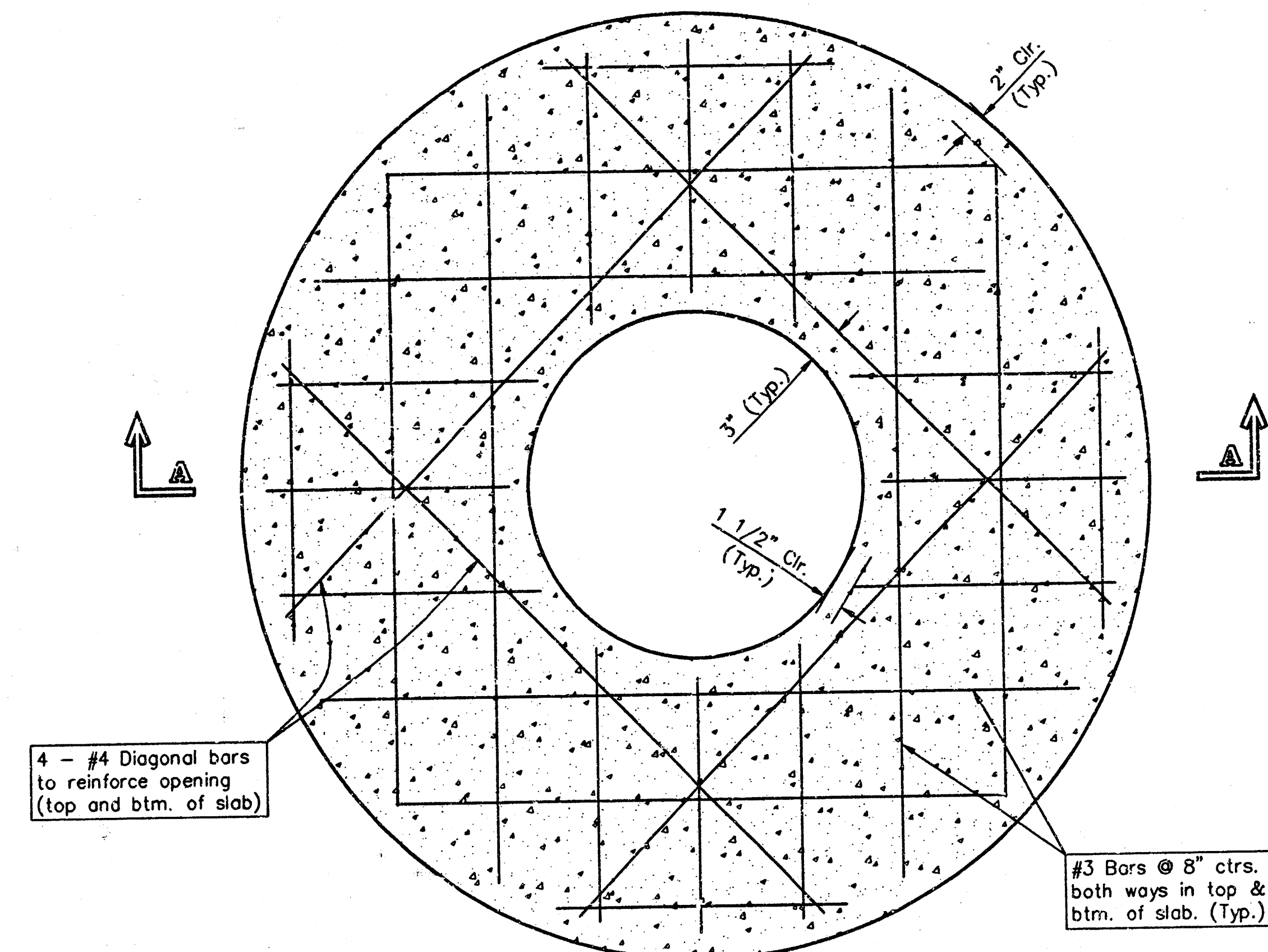
SHALLOW TYPE "P" MANHOLE



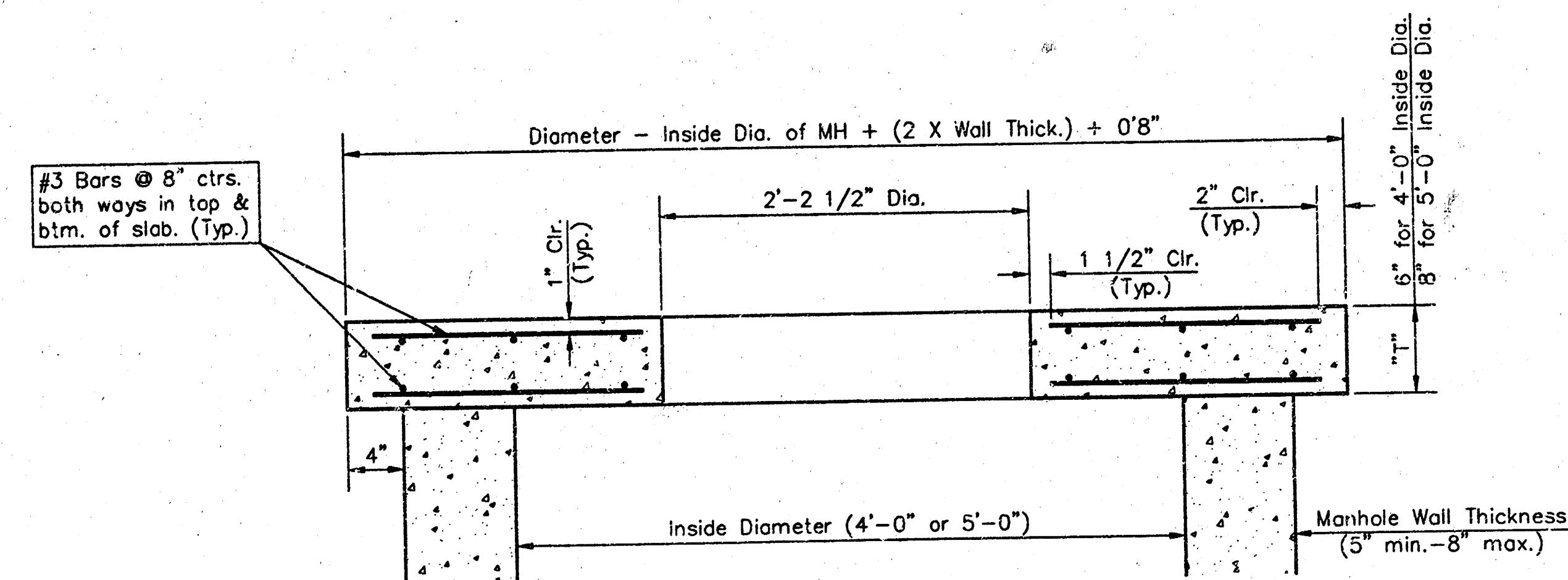
SHALLOW TYPE "C" MANHOLE



MASONRY COLLAR DETAIL



PLAN



SECTION A-A

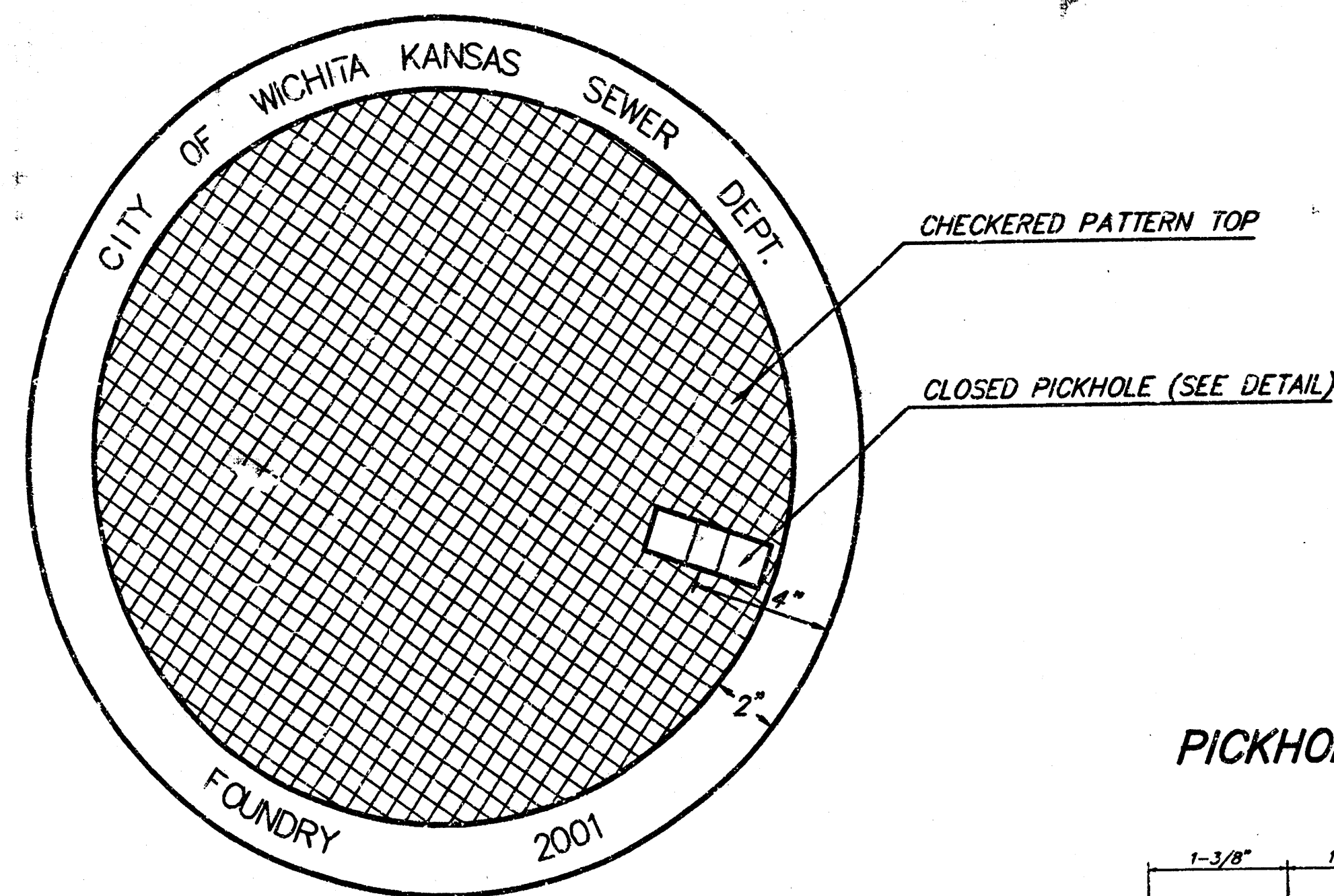
FLAT CONCRETE SLAB DETAILS

GENERAL NOTES

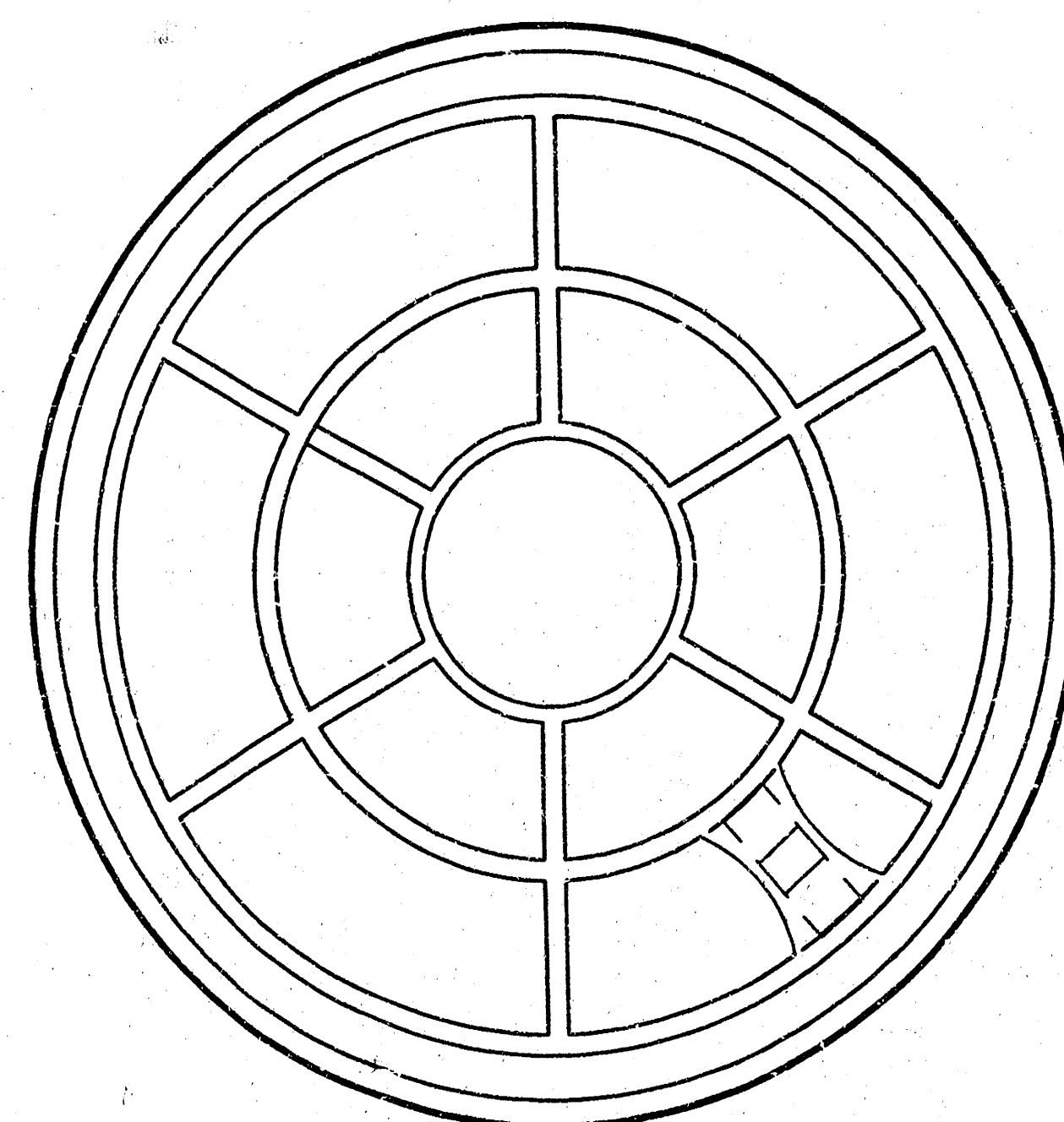
- Mortar used in masonry construction shall contain 8 sacks of cement per cubic yard. Concrete used in manhole bases shall conform to the requirements of concrete for concrete pavement construction as specified in the city standard paving specifications using city concrete cement mix without air entraining admixture. Mortar shall be placed around the manhole ring as shown on the drawings when manholes are constructed in unpaved areas. Manholes constructed where pipe sizes are smaller than 24" shall have an inside diameter of 4'. Manholes constructed where pipe sizes are 24" or larger shall have an inside diameter of 5'. Completed manhole shall be without leaks and water tight.
- Reinforcing steel shall be installed in the manhole bases and shall consist of no. 4 bars placed on 6" centers in both directions. The manhole base reinforcement shall be placed 6" above the bottom of the manhole base. All costs for furnishing and installing reinforcing steel shall be included in the unit price bid for the manhole.
- The floors of all manholes shall be shaped with flow channels such that the manholes will be self cleaning and free of areas where solids could be deposited as sewage flows through the manhole from all inlet pipes to the outlet pipe. Flow channels shall be formed to match the bottom halves of the inflowing pipes and the outflowing pipe as shown by the drawings. Manhole floors shall have slopes of 3 inches per foot in the areas outside of the flow channels sloped toward the flow channels. Pipes laid through manholes shall have the top half removed to neat lines for the full inside diameter of the manhole. Manhole floors shall then be shaped around the bottom half of the pipe which forms the flow channel.
- Pipes installed within the excavation made for the manhole shall be cradled with concrete to the limits of the manhole excavation. When clay pipe is used, the cradle shall extend to the first joint outside the manhole. The cradle shall be terminated at the clay pipe joint in a manner which will maintain the flexibility of the joint. Cost of cradle within manhole excavation or to clay pipe joints adjacent to manhole shall be included in the unit price bid for the manhole.
- Manhole cover castings and manhole frame castings shall conform to the requirements as indicated in the standard specifications and as shown in the standard detail drawings.
- The crowns of inflowing pipes shall never be set lower than the crown of the outflowing pipe.
- Standard shallow manholes type "P" and "C" shall be paid for at the unit price bid per each for the type and diameter indicated. All standard shallow manhole diameters will be 4' unless indicated otherwise.
- All brick used in manhole construction shall meet Grade SW of ASTM C652 or C62-87.

CITY OF WICHITA, KANSAS					
STD. SHALLOW MANHOLES					
TYPE "P" AND TYPE "C"					
BAUGHMAN COMPANY P.A.					
ENGINEERING, SURVEYING, & PLANNING					
316-252-7271 • 316 ELLIS • WICHITA, KANSAS 67211					
PROJECT NUMBER					
1110 FPS (607861)					
DESIGN	DRAWN	APPROVED	DATE	SCALE	SHEET
STAFF	STAFF	STAFF	04/01	NONE	2
					4

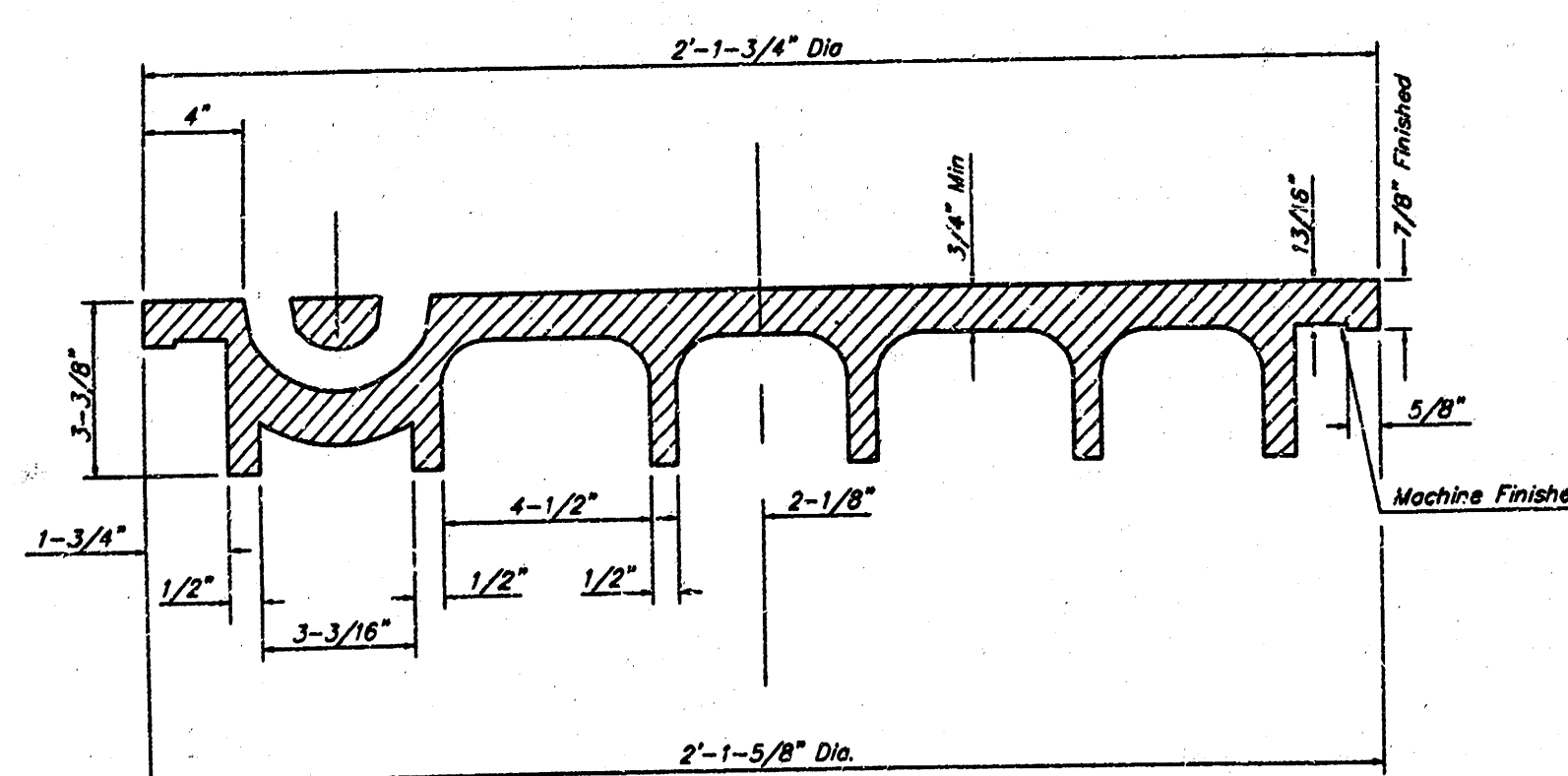
MANHOLE COVER
Weight = 180 Lbs.



TOP VIEW

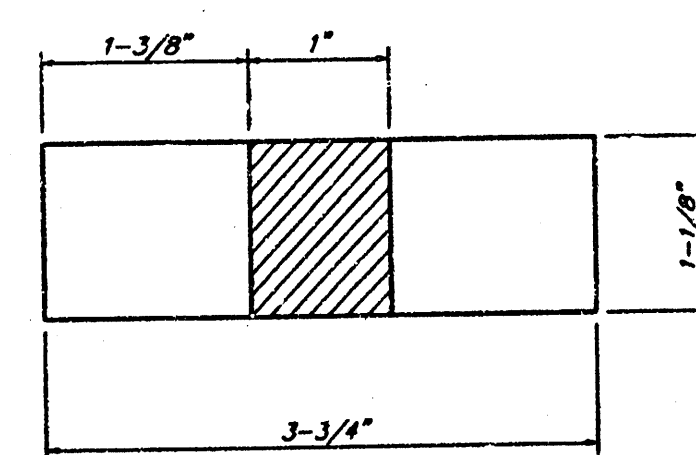


BOTTOM VIEW

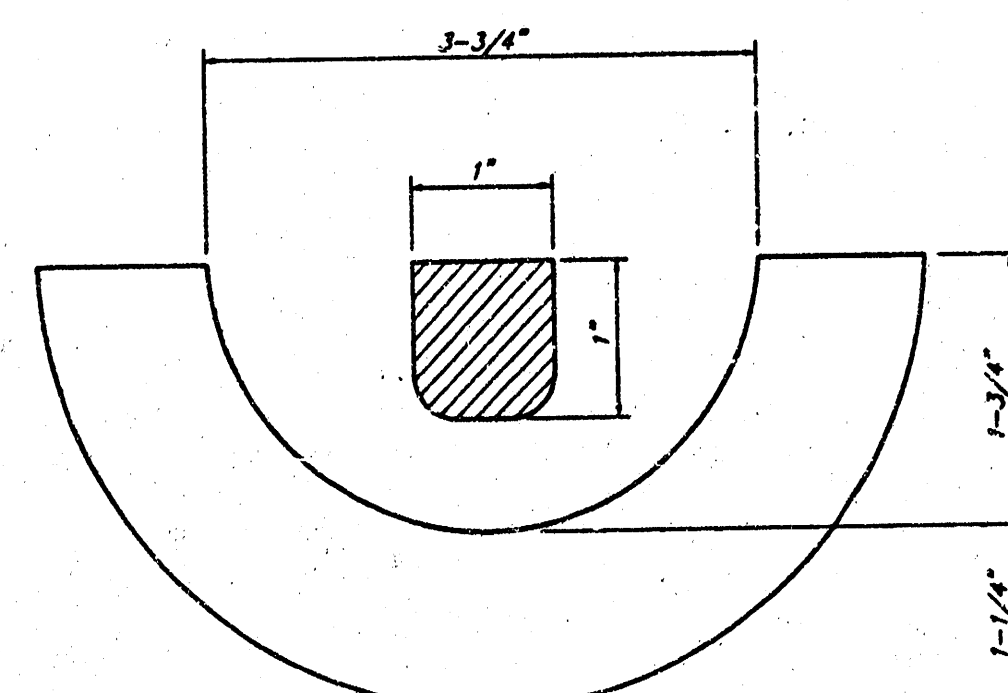


SECTION VIEW

PICKHOLE DETAIL



TOP VIEW

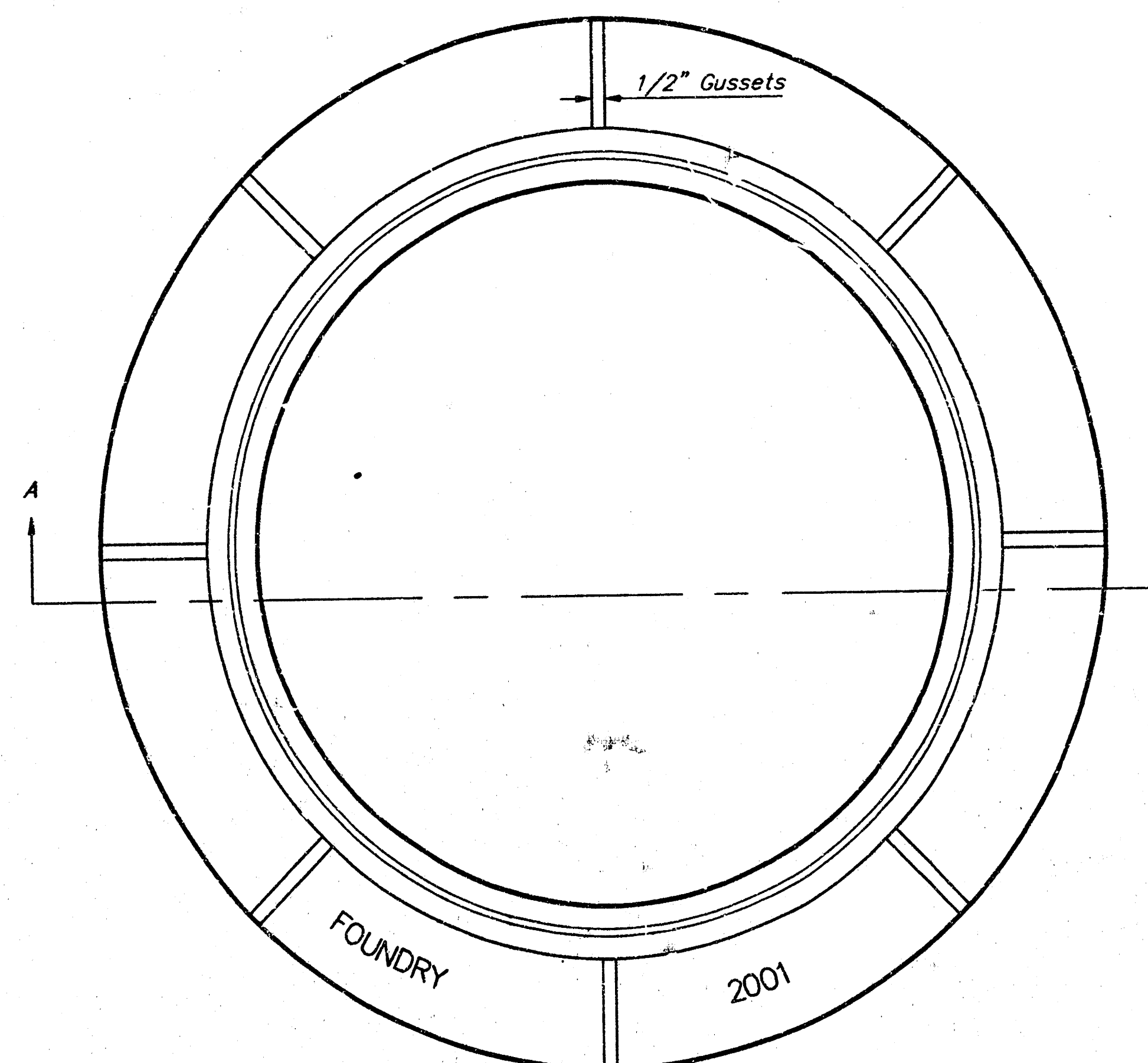


SECTION VIEW

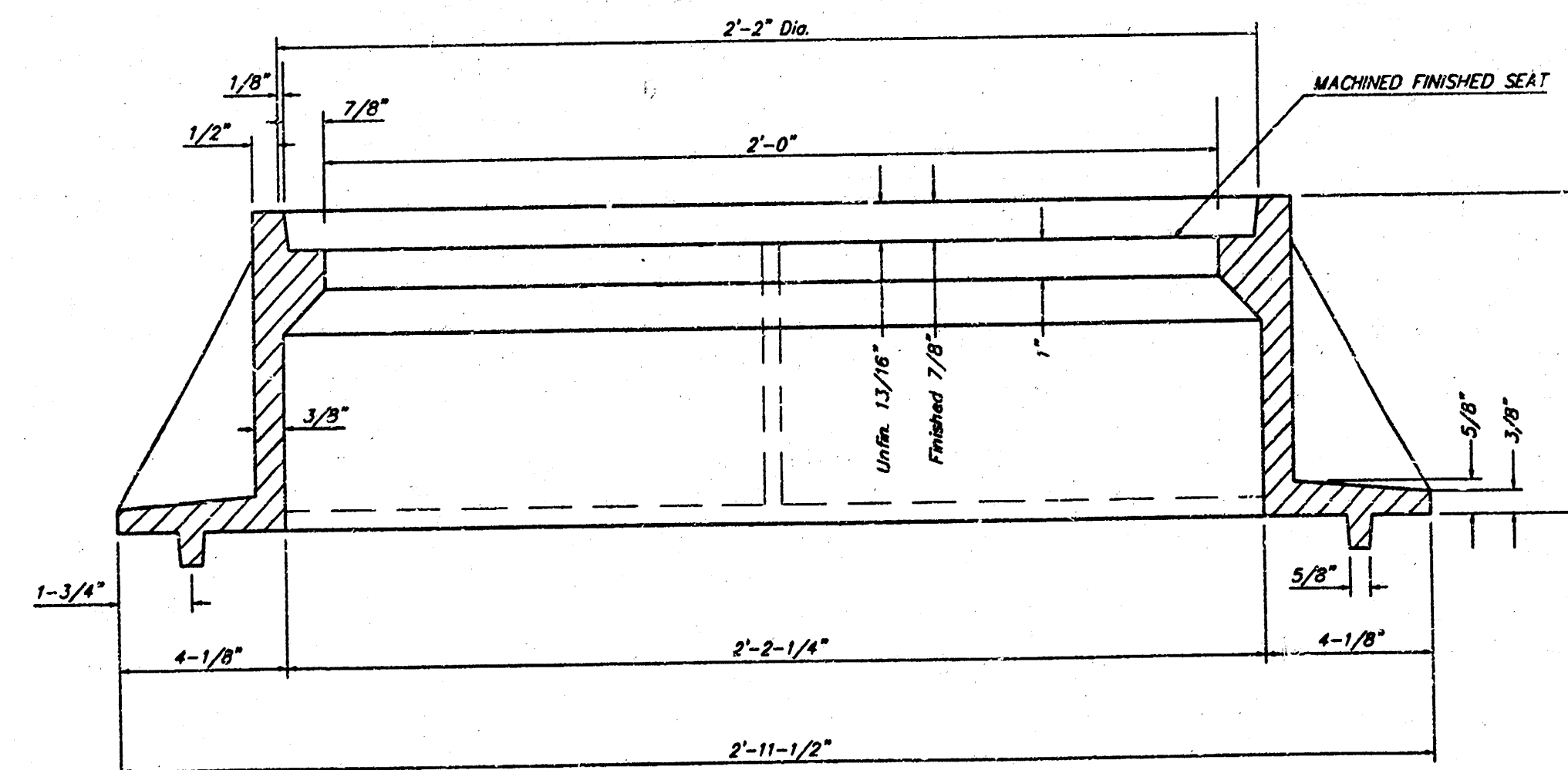
MANHOLE FRAME AND COVER DETAIL

ADOPTED AS STANDARD DESIGN BY
CITY OF WICHITA, KANSAS

MANHOLE FRAME
Weight = 145 Lbs.



TOP VIEW



SECTION A-A

GENERAL NOTES

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.

MANHOLE CASTINGS SHALL BE COATED WITH AN ASPHALT PAINT RESULTING IN A SMOOTH, TOUGH AND TENACIOUS COATING WHICH IS NOT BRITTLE OR TACKY.

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.

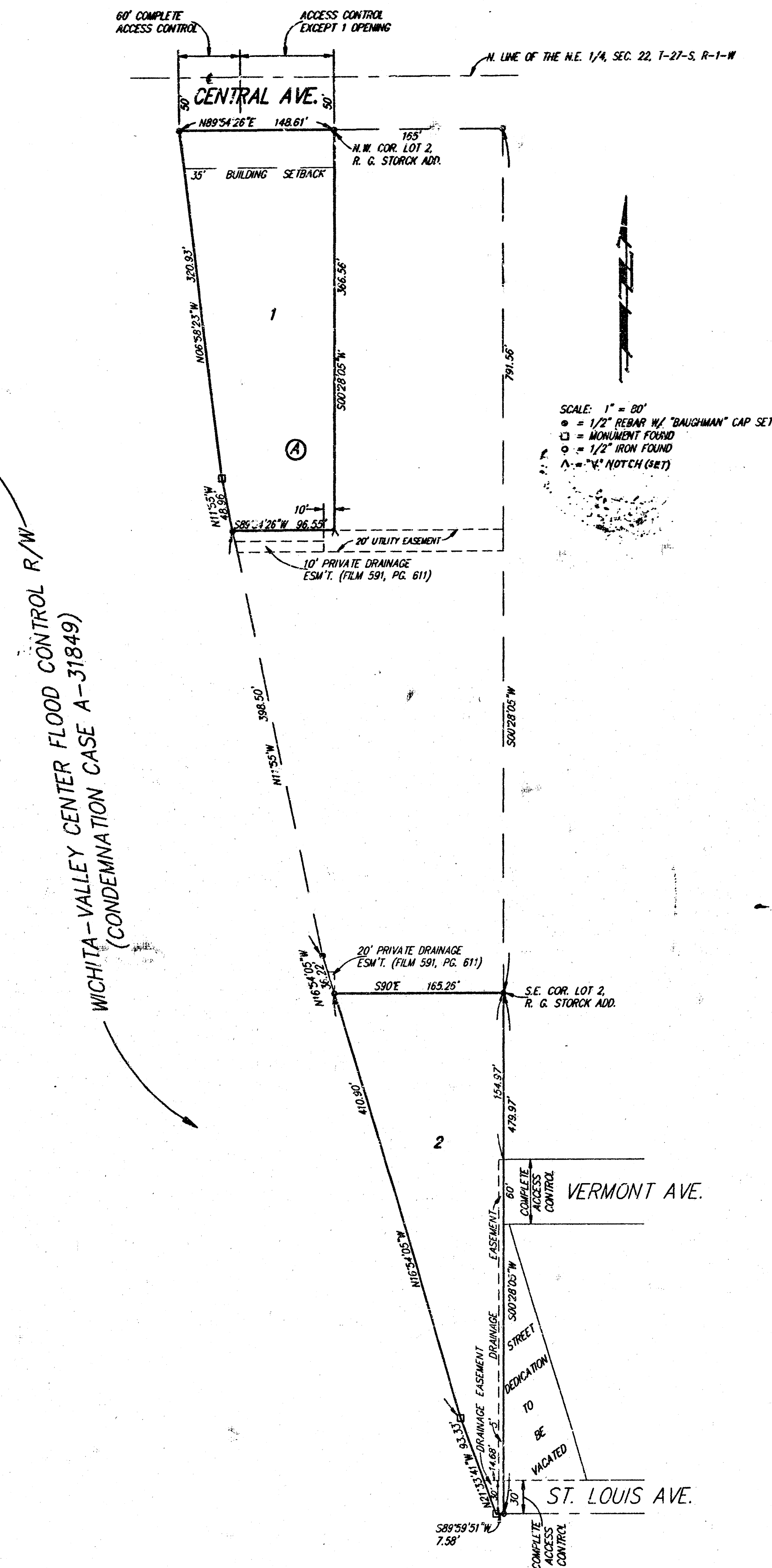
THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE IN THE FRAME RECESS SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AT ANY POINT AROUND THE CIRCUMFERENCE OF THE COVER. THE SEATING SURFACES BETWEEN THE COVER AND FRAME SHALL BE MACHINED SUCH AS THESE SURFACES SHALL MAKE FULL CONTACT FOR THEIR FULL CIRCUMFERENCE TO PRECLUDE THE COVER FROM ROCKING IN THE FRAME.

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 INCH 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.

MANHOLE FRAME AND COVER DETAIL			
ADOPTED AS STANDARD DESIGN BY			
CITY OF WICHITA, KANSAS			
BAUGHMAN COMPANY P.A.			
ENGINEERING, SURVEYING, & PLANNING			
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER			
1110 FPS (807881)			
DESIGN	DRAWN	APPROVED	DATE
STAFF	STAFF		04/01
SCALE			NONE
SHEET			3
OF			4

J. ROGERS ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



State of Kansas) SS We, Baughman Company, P.A., Surveyors in Sedgwick County and state do hereby certify that we have surveyed and plotted "J. ROGERS ADDITION", Wichita, Sedgwick County, Kansas and that the accompanying plat is a true and correct exhibit of the property surveyed, described as and being a replat of the following: The north 366.56 feet of Lot 1, Block A, R. G. Storck Addition to Wichita, Sedgwick County, Kansas and the south 915 feet of Lot 14, except the north 4.35 feet thereof, Central Acres, Sedgwick County, Kansas, except that part condemned for Flood Control in Case No. A-31849, Sedgwick County, Kansas.

All being situated in the NE 1/4 of Sec. 22, Twp. 27-S, R-1-W of the 6th P.M., Sedgwick County, Kansas. Existing public easements and dedications being vacated by virtue of KSA 12-512(b).

Date 4/6/93

Baughman Company, P.A.



Gregory F. Severns
Surveyor

Know all men by these presents that we, the undersigned, have caused the land described in the surveyors certificate to be platted into lots and a block to be known as "J. ROGERS ADDITION", Wichita, Sedgwick County, Kansas. All abutters rights of access to and from Vermont Avenue and the north half of St. Louis Avenue over and across the East line of Lot 2 are hereby granted to the City of Wichita, Kansas. All abutters rights of access to and from Central Avenue over and across the North line of Lot 1 are hereby granted to the City of Wichita, Kansas, provided however that Lot 1 shall have one point of access to Central Avenue over all but the west 50 feet thereof. The permitted entrance location shall be as determined by the City Engineer of the City of Wichita, Kansas.

Roger's Enterprises Inc.

Keith L. Anderson PRES
(Title)



This plat of "J. ROGERS ADDITION", Wichita, Sedgwick County, Kansas, has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas. Dated this 25th day of March, 1993. Wichita-Sedgwick County Metropolitan Area Planning Commission.

L. O. Breckinridge, Jr. Chairman

Marvin S. Krout Secretary



This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this 20th day of April, 1993.

Elmer Brockhoff Mayor

Pat Burnett Deputy City Clerk



Entered on transfer record this 7th day of May, 1993.

Susan E. Crockett-Spoon County Clerk

State of Kansas) SS This is to certify that this plat has been filed for record in the office of the Register of Deeds, this 27th day of May, 1993, at 10:00 o'clock P.M. and is duly recorded.

Pat Kettler Register of Deeds

Ed Rosa Deputy

State of Kansas) SS The foregoing instrument acknowledged before me, this 26th day of March, 1993, by Keith L. Anderson, President, of J. Roger's Enterprises Inc., on behalf of the corporation.

My App'l. Exp. 2-3-95 Mildred E. Franz Notary Public