

# Phase II PRIVATE SANITARY SEWER IMPROVEMENTS

to serve

## Willowood Estates CITY OF WICHITA, KANSAS

Michael E. Lindelak, P.E. City Engineer

Private Project Number

**829 PPS (607861)**

August, 1998

N.W. Corner, E. 1/2, N.W. 1/4  
Sec. 15, T28S, R1E of the 6th P.M.  
Found 1/2" I.P. in Trench

N.E. Corner, N.W. 1/4  
Sec. 15, T28S, R1E of the 6th P.M.  
Found 1/2" I.P. in Trench

HYDRAULIC AVE.

MACARTHUR ROAD



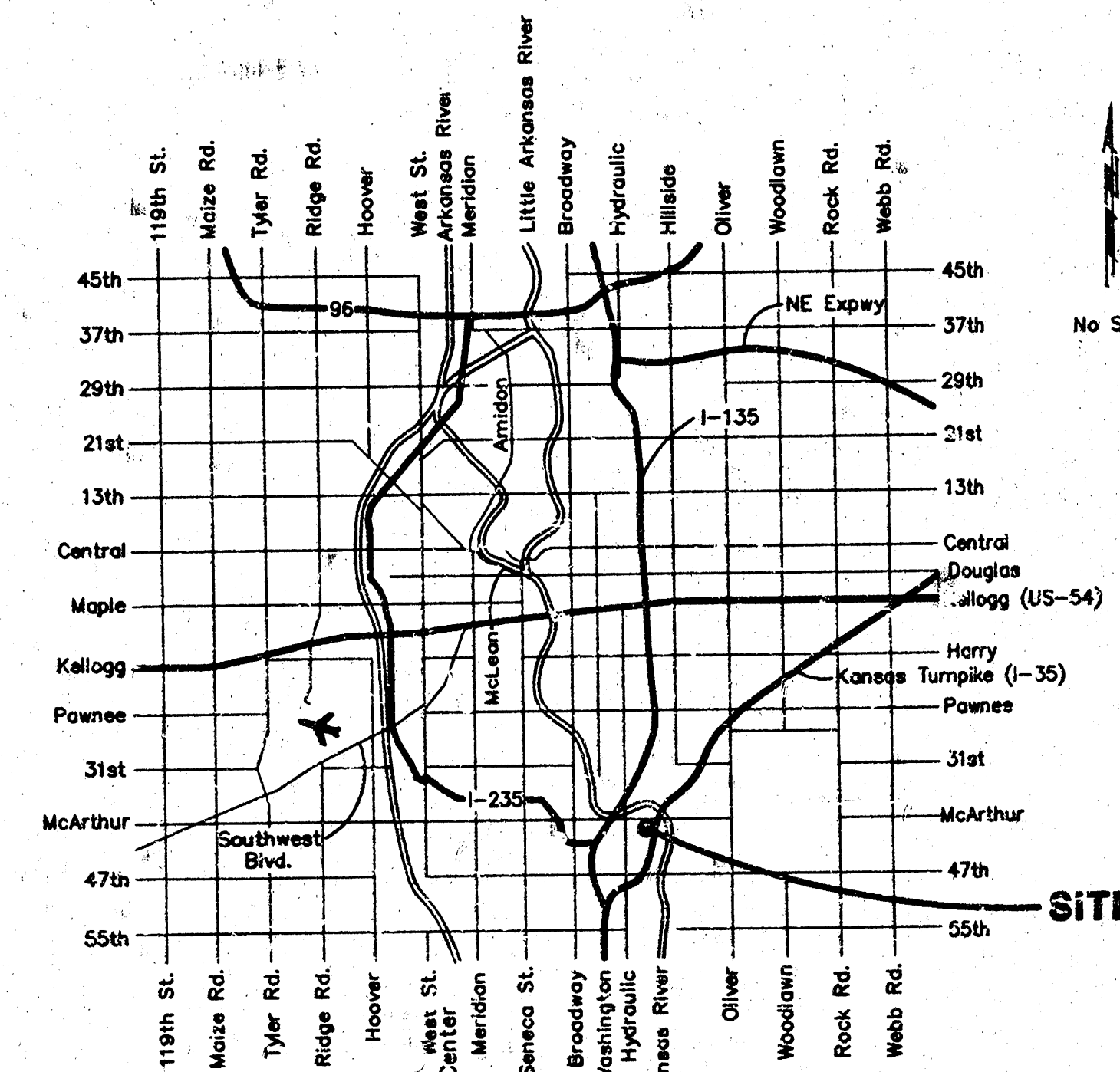
S.W. Corner, E. 1/2, N.W. 1/4  
Sec. 15, T28S, R1E of the 6th P.M.  
Found 1/2" Rebar

S.E. Corner, N.W. 1/4  
Sec. 15, T28S, R1E of the 6th P.M.  
Found Stone

### Sheet Index

|                         |   |
|-------------------------|---|
| Title Sheet             | 1 |
| Line 1                  | 2 |
| Standard Manhole Detail | 3 |
| Shallow Manhole Detail  | 4 |
| Ring & Cover Detail     | 5 |
| Willowood Estates Plat  | 6 |

Scale: 1" = 100'



### BENCHMARK

This "D" on E. @ of Sanitary Sewer MH,  
East Side of Emory Park Road, 235 feet  
South of MacArthur Road.  
Elev. = 85.46 City Datum

This "D" on E. @ of Sanitary Sewer MH,  
West Side of Emory Park Road, 1245 feet  
South of MacArthur Road.  
Elev. = 84.22 City Datum

### GENERAL NOTES:

- Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:  
Kansas One-Call 687-2470  
The Contractor must notify the following in case of an emergency:  
Multimedia Cablevision 262-0661  
K.P.L. Gas Service Company 383-8650  
Kansas Gas & Electric Company 383-8600  
Peoples Gas Company 942-8350  
Southwestern Bell Telephone Company 1-800-344-7233  
City of Wichita Water Dept. 268-4908  
City of Wichita Sewer Dept. 268-4071
- Underground utility service lines and overhead utility pole lines are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
- Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- All areas disturbed by construction operations shall be seeded with rye grass at a rate of 300 lbs/acre immediately following construction in that area. Prior to seeding, area shall be prepared per City specs.

Booked  
P-120  
9-12-00  
R.D.L.

APPROVED AS NOTED  
BY CITY ENGINEER OF WICHITA

Sanitary Sewer V.R.H. 8/12/98

### NOTE TO CONTRACTORS

Inspection and testing of project is to be provided by a Licensed Consulting Engineer under contract with the Owner/Developer. Said inspection is to be in accordance with the City of Wichita standard construction engineering practices and performed by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection nor shall any work be commenced without written authorization by the City Engineer. All Construction and Materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).

PROJECT INSPECTED BY: BAUGHMAN CO.

DATE: 1/25/98

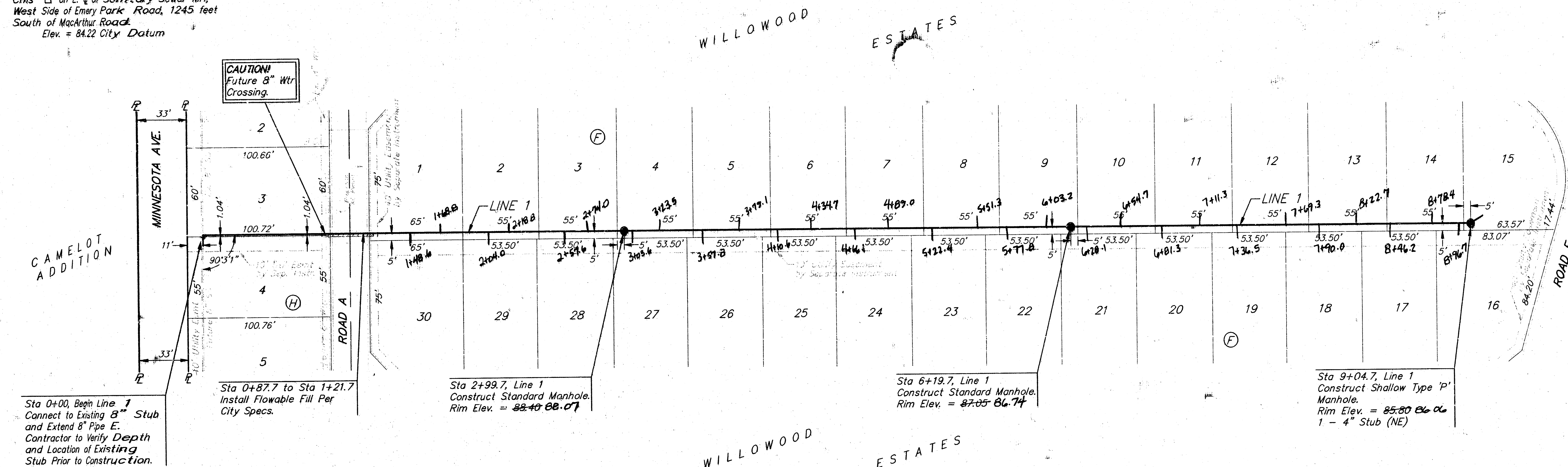
**BAUGHMAN COMPANY P. A.**  
ENGINEERING & SURVEYING  
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211



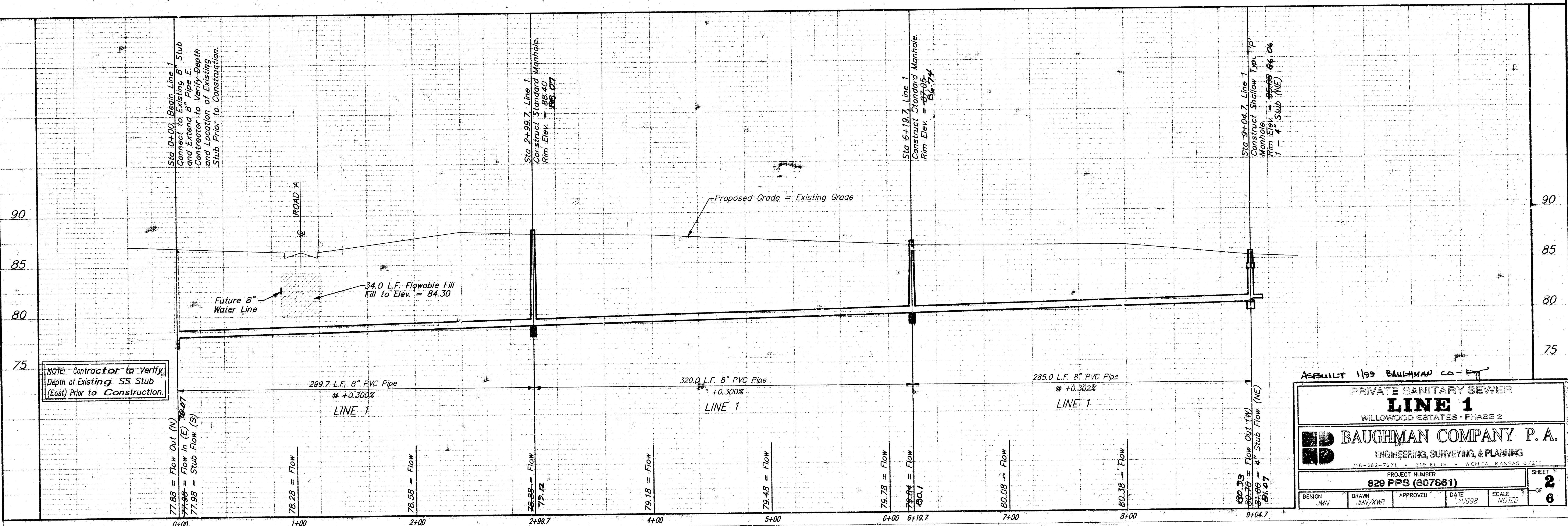
# **BENCHMARK**

Chis 'D' on E. of Sanitary Sewer MH,  
East Side of Emory Park Road, 235 feet  
South of MacArthur Road.  
Elev. = 85.45 City Datum

Chis 'D' on E. of Sanitary Sewer MH,  
West Side of Emory Park Road, 1245 feet  
South of MacArthur Road.  
Elev. = 84.22 City Datum



SCALE  
1"=40' Horizontal  
1"=5' Vertical  
• = Iron



AS-BUILT 1199 BAUGHMAN CO.

**PRIVATE SANITARY SEWER**

**LINE 1**

WILLOWOOD ESTATES - PHASE 2

**BAUGHMAN COMPANY P. A.**

ENGINEERING, SURVEYING, & PLANNING

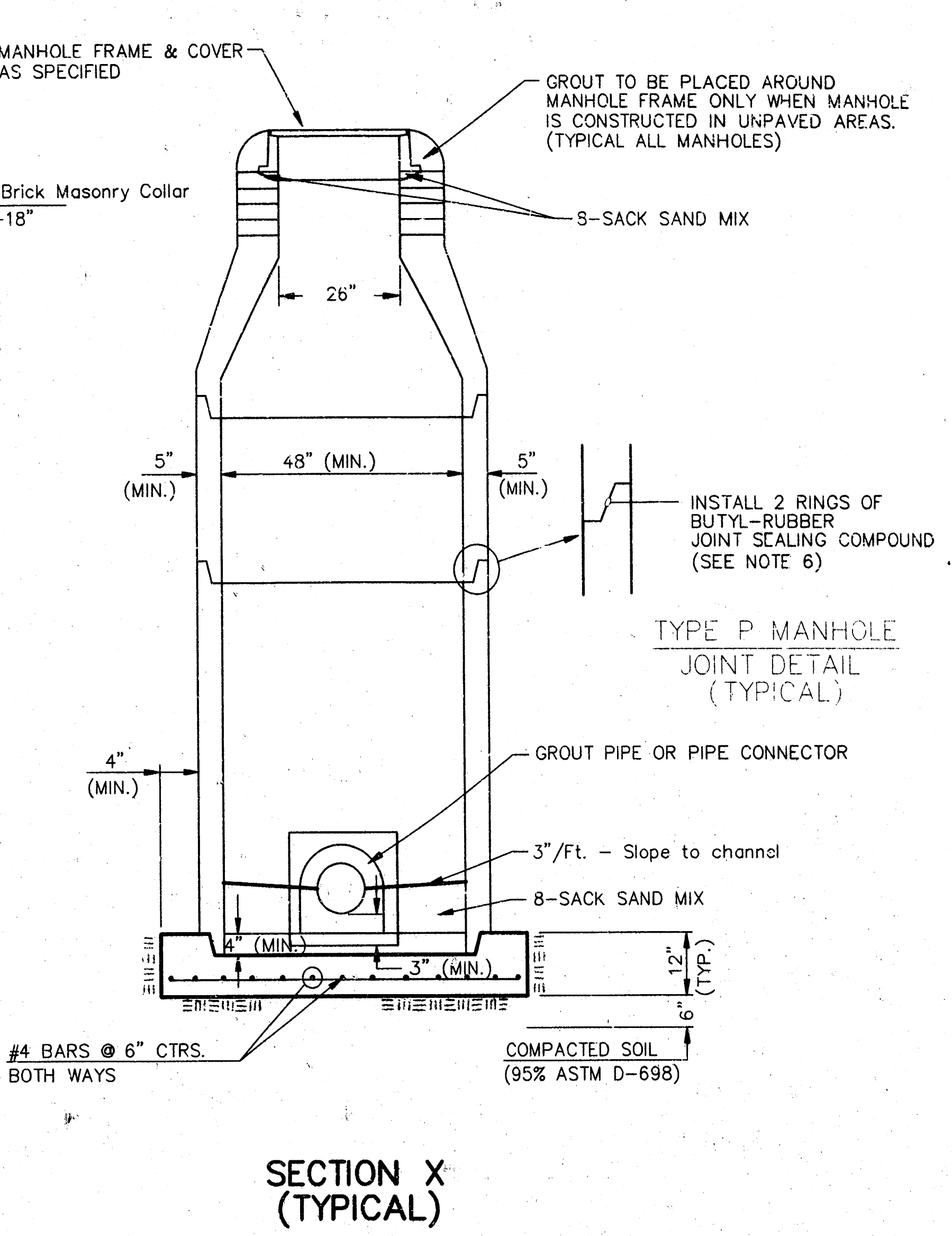
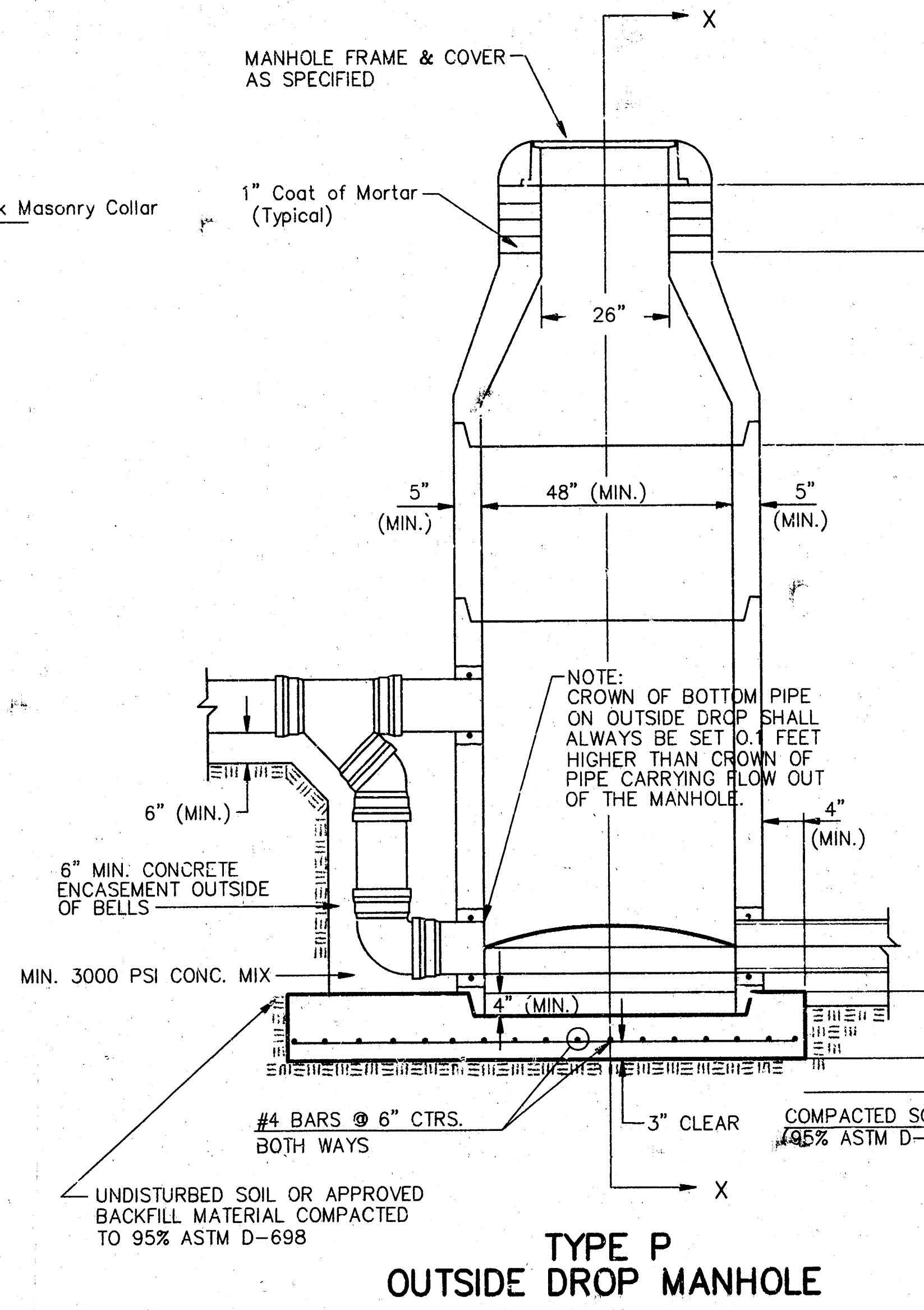
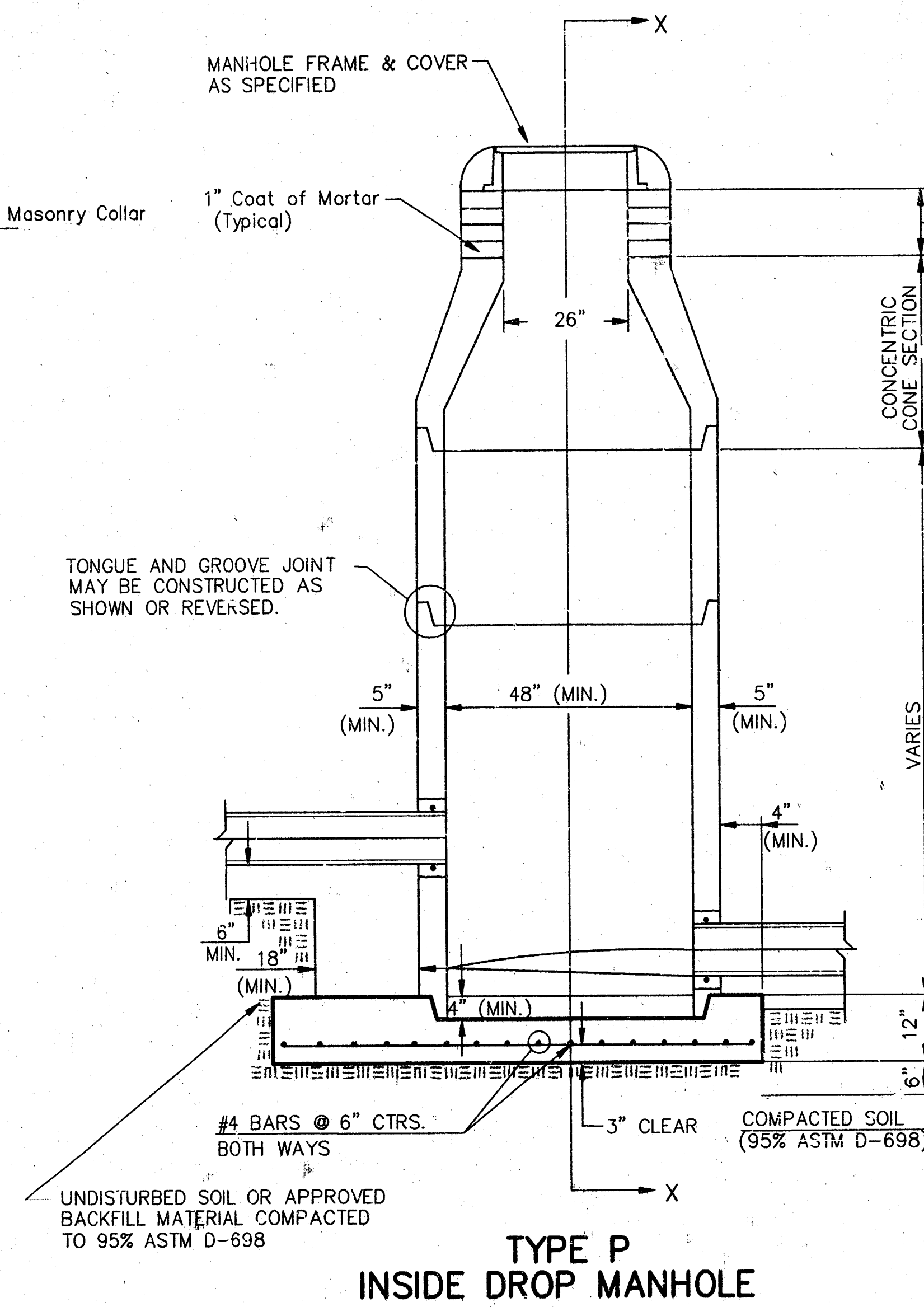
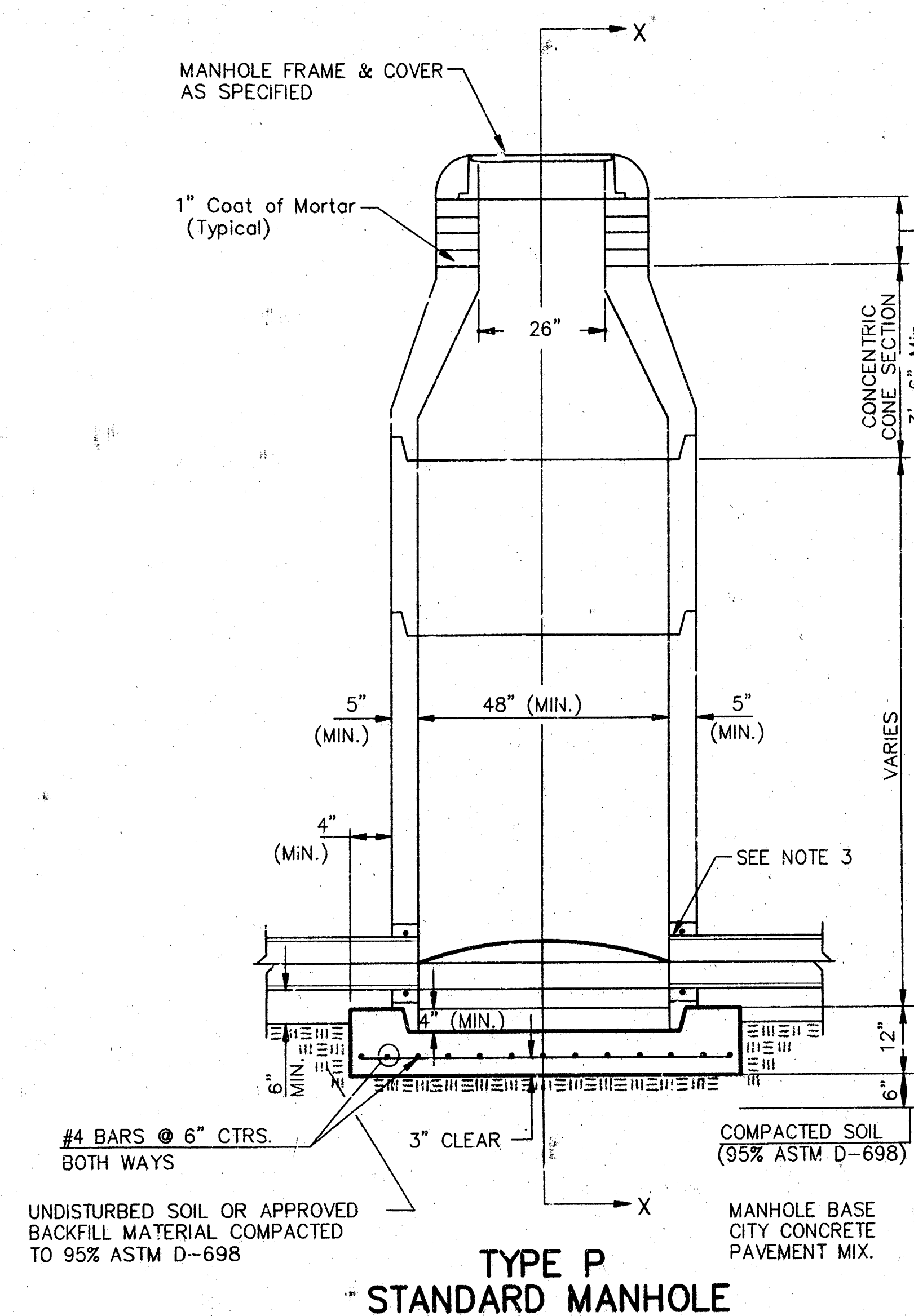
315-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER  
**829 PPS (607861)**

DESIGN: JMN DRAWN: JMN/KWR APPROVED: DATE: 10/08 SCALE: 1"=40' HORIZONTAL, 1"=5' VERTICAL SHEET: 2 OF 6



# SEWER APPURTENANCES DETAILS

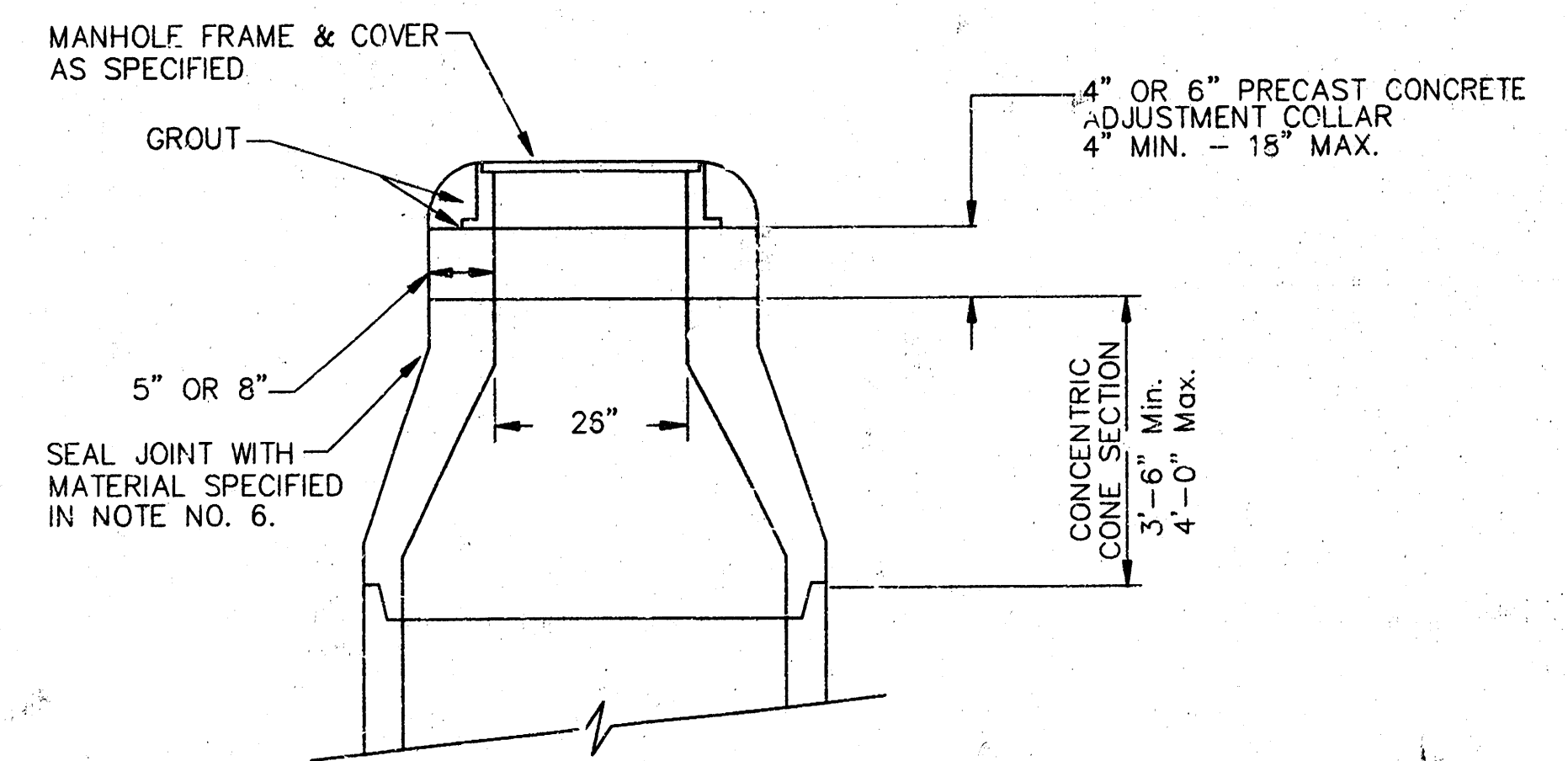


## GENERAL NOTES

1. ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISIONS OF A.S.T.M. C478 AS MODIFIED BY THE SPECIFICATIONS.
2. NON-SHRINK GROUT SHALL BE NON-METALLIC TYPE.
3. APPROVED FLEXIBLE WATERSTOP GASKETS SHALL BE INSTALLED TO JOIN THE SEWER TO THE MANHOLE WALL WHEN A.B.S. COMPOSITE PIPE OR P.V.C. PIPE IS USED. FOR OTHER TYPES OF PIPE THE SEWER PIPE SHALL BE GROUTED IN PLACE WITH NON-SHRINK GROUT. THE SEWER PIPE SHALL BE SUPPORTED WITH CONCRETE ENCASUREMENT A MINIMUM OF 3 FEET FROM THE MANHOLE WALL AND TO THE FIRST JOINT FOR V.C.P. SUCH THAT THE JOINT REMAINS FLEXIBLE.
4. ALL INSIDE SURFACES OF THE CONCRETE MANHOLE WHICH WOULD BE EXPOSED TO SEWER GAS SHALL BE COATED WITH 2 COATS TNECO SERIES 66 HI-BUILD EPOXOLINE, DRY THICKNESS OF 8 MILS (MIN.)
5. EXTERIOR MANHOLE WALLS SHALL BE COATED WITH 1 COAT MOBILARMA 633 BITUMINOUS COATING.
6. JOINT SEALING COMPOUND SHALL BE KENT SEAL NO. 2 OR APPROVED EQUAL.
7. PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO THE MANHOLE BASE.
8. TOP OF MANHOLE FLOOR SLAB SHALL BE AT LEAST 3 INCHES BELOW THE FLOW LINE OF THE OUTLET PIPE TO INSURE SUFFICIENT MINIMUM THICKNESS OF SHAPED INVERT.
9. LIFTING HOLES SHALL BE FILLED WITH NON-SHRINK GROUT AND THE INTERIOR SURFACE COATED AS SPECIFIED.
10. 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 PAVEMENT 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.

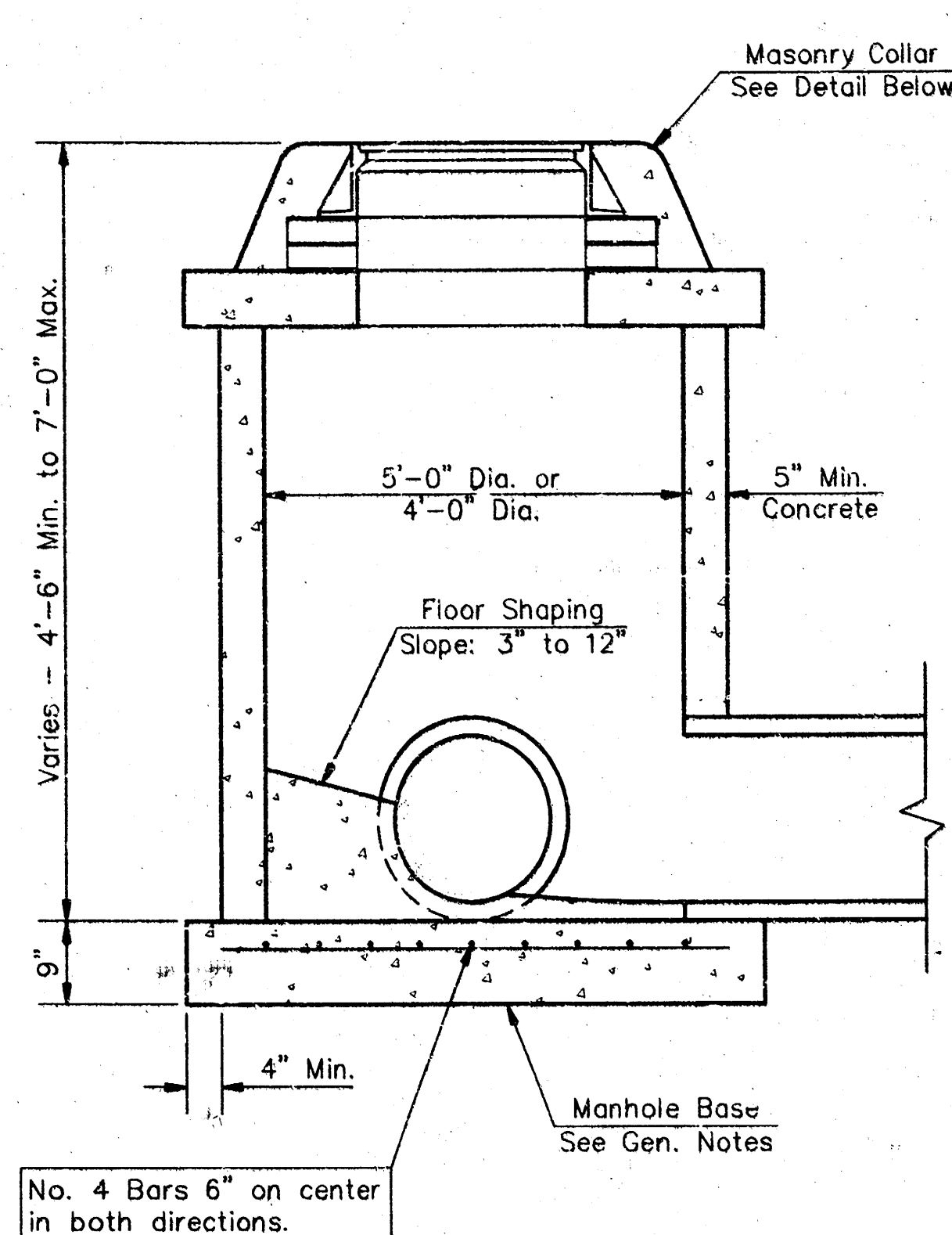
11. REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES AND SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE MANHOLE BASE REINFORCEMENT SHALL BE PLACED AT LEAST 3" ABOVE THE BOTTOM OF THE MANHOLE BASE. ALL COSTS FOR FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
12. OPENINGS SHALL BE CUT INTO THE MANHOLE WALL WHEN OUTSIDE DROPS ARE CONSTRUCTED ON EXISTING MANHOLES. SUCH OPENINGS CUT INTO EXISTING MANHOLES SHALL BE AS SMALL AS PRACTICAL TO FACILITATE INSTALLING AND GROUTING THE NEW PIPE IN PLACE. WATERSTOP GASKETS SHALL BE USED WITH P.V.C. AND A.B.S. COMPOSITE PIPE. THE NEW PIPE SHALL BE GROUTED INTO THE OPENING USING AN APPROVED NONSHRINK GROUT FOR THE FULL MANHOLE WALL THICKNESS. THE EXTERIOR OF THE COMPLETED CONNECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH THAT THE CONNECTION WILL BE WATER TIGHT. FLOOR OF MANHOLE SHALL BE MODIFIED TO FORM NEW FLOW CHANNEL FOR THE NEW CONNECTION AS INDICATED BY THE DRAWING. THIS WORK, INCLUDING MODIFICATION OF MANHOLE FLOOR, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR OUTSIDE DROP STACK CONSTRUCTED ON EXISTING MANHOLE.
13. 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 EXCEPT FOR INSIDE DROP MANHOLES. FLOW CHANNELS FOR INSIDE DROP MANHOLES SHALL BE CONSTRUCTED AS INDICATED BY THE DRAWING. 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.
14. 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.

15. 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 DRAWING.
16. THE VERTICAL DROP IN INSIDE DROP MANHOLES SHALL NOT EXCEED 2' FOR INFLOWING PIPES SIZED 12" OR SMALLER AND 2' FOR INFLOWING PIPES LARGER THAN 12". THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
17. STANDARD MANHOLES AND STANDARD INSIDE DROP MANHOLES SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4" UNLESS INDICATED OTHERWISE.
18. A BRICK MASONRY COLLAR SHALL BE INSTALLED BETWEEN THE CAST IRON FRAME AND THE CONCENTRIC CONE. THE COLLAR WILL HAVE 8" WALLS AND A VERTICAL HEIGHT OF 6" MINIMUM AND 18" MAXIMUM. A 1" COAT OF MORTAR WILL BE PLASTERED ON THE OUTSIDE OF THE COLLAR. THE USE OF PRE-CAST CONCRETE SPACERS FOR MANHOLE TOP ADJUSTMENT IS ALSO ALLOWED.

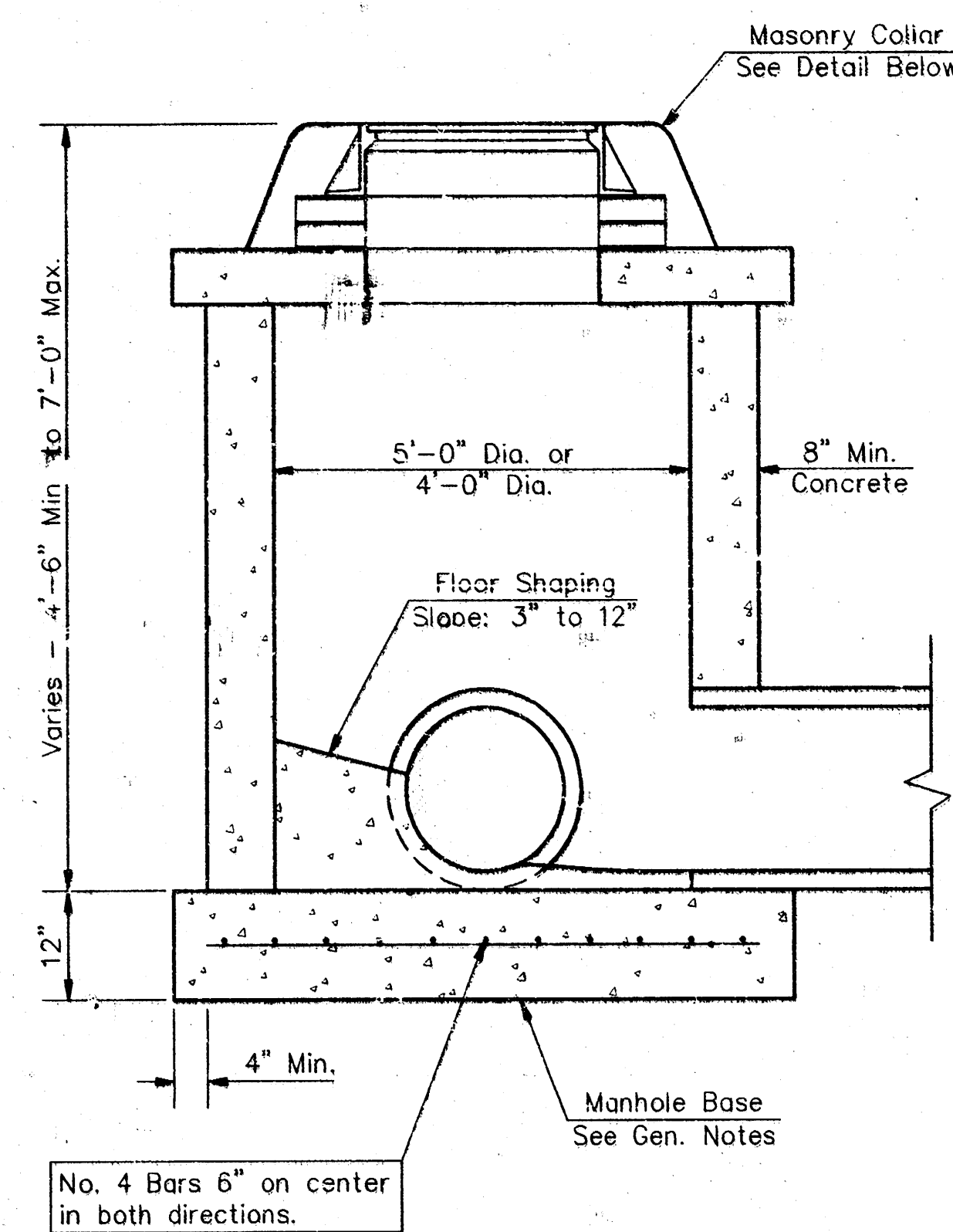


|                                                     |       |          |          |
|-----------------------------------------------------|-------|----------|----------|
| CITY OF WICHITA                                     |       |          |          |
| <b>STD. MANHOLE DETAILS</b>                         |       |          |          |
| & SEWER APPURTENANCES DETAIL 3                      |       |          |          |
| <b>BAUGHMAN COMPANY P.A.</b>                        |       |          |          |
| ENGINEERING, SURVEYING, & PLANNING                  |       |          |          |
| 316-262-1271 • 316-262-1272 • WICHITA, KANSAS 67211 |       |          |          |
| PROJECT NUMBER                                      |       |          |          |
| <b>829 PFS (307881)</b>                             |       |          |          |
| DESIGN                                              | DRAWN | APPROVED | DATE     |
|                                                     |       |          | AUG 98   |
| SCALE                                               |       |          | AS SHOWN |
| SHEET                                               |       |          | 3        |
| OF                                                  |       |          | 6        |

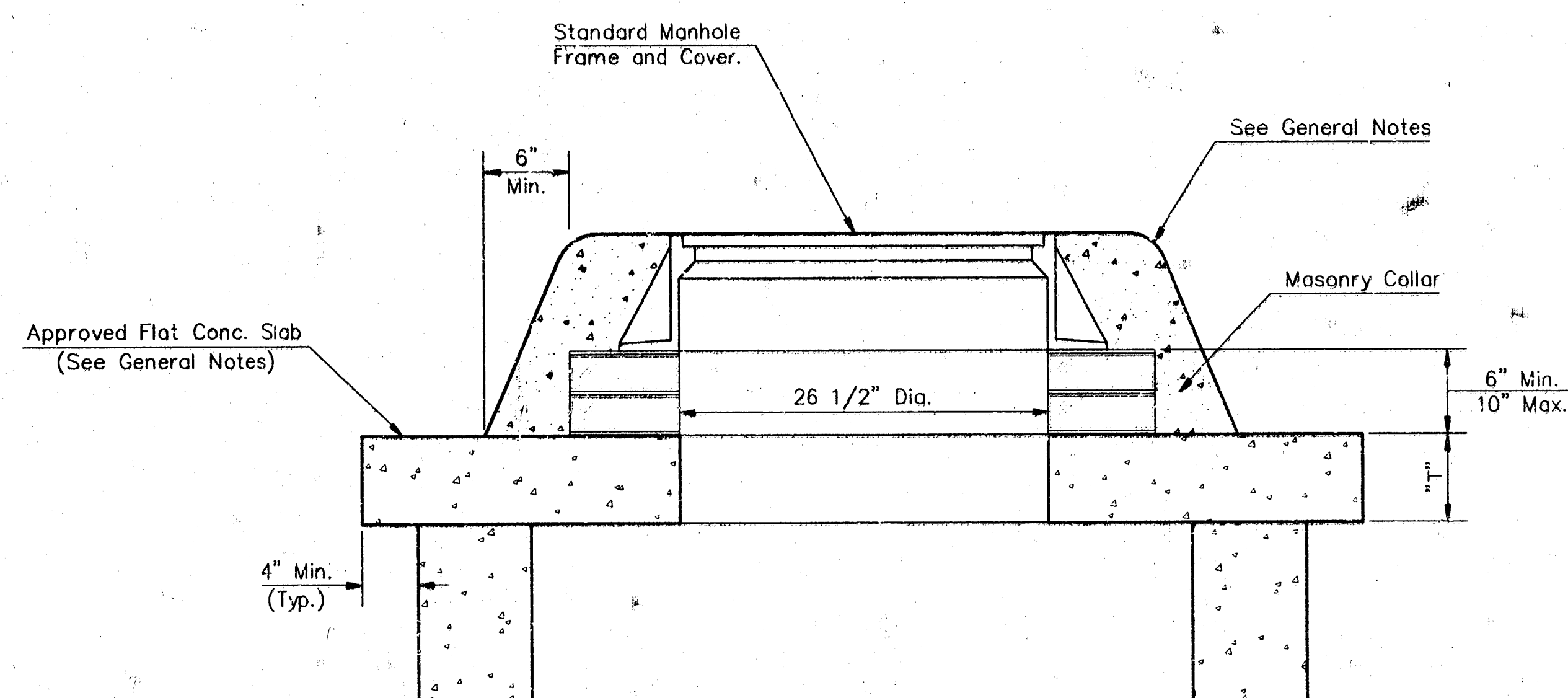




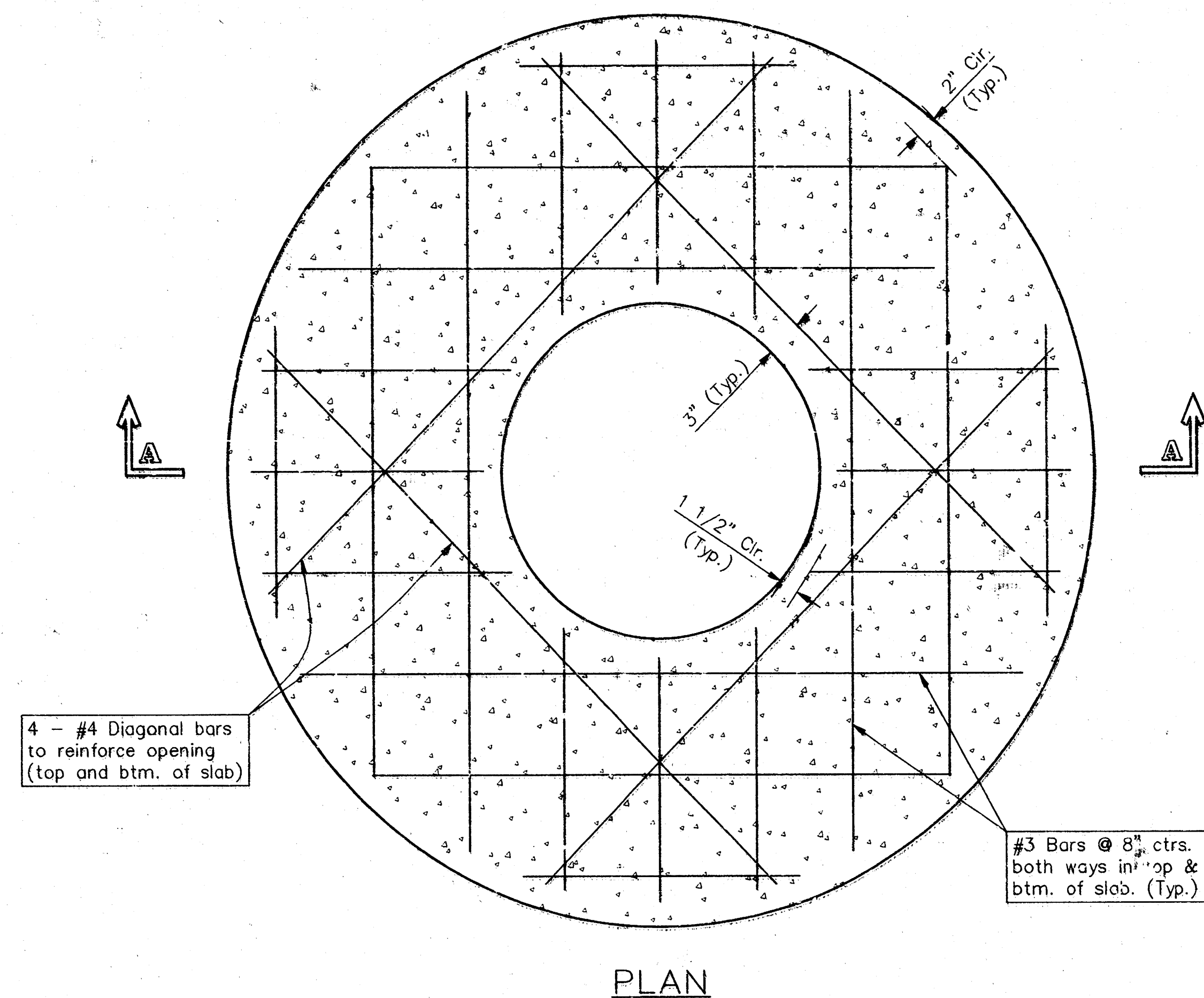
SHALLOW TYPE "P" MANHOLE



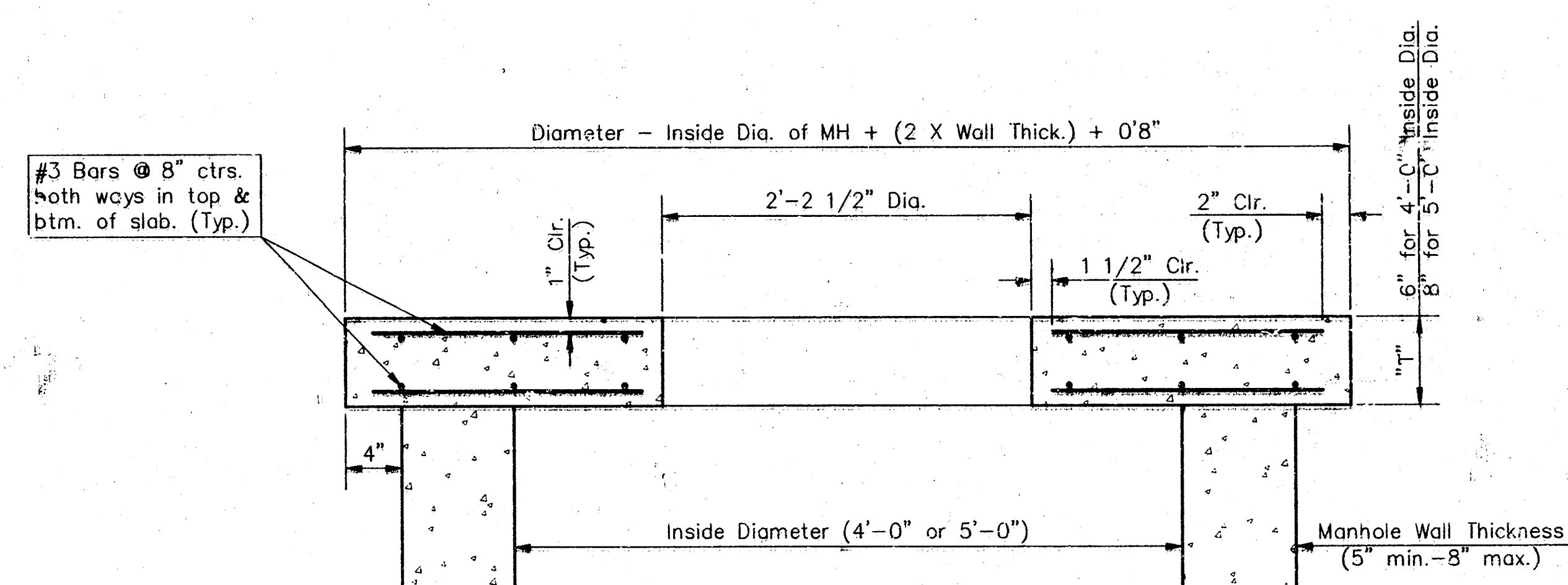
SHALLOW TYPE "C" MANHOLE



MASONRY COLLAR DETAIL



PLAN



SECTION A-A

FLAT CONCRETE SLAB DETAILS

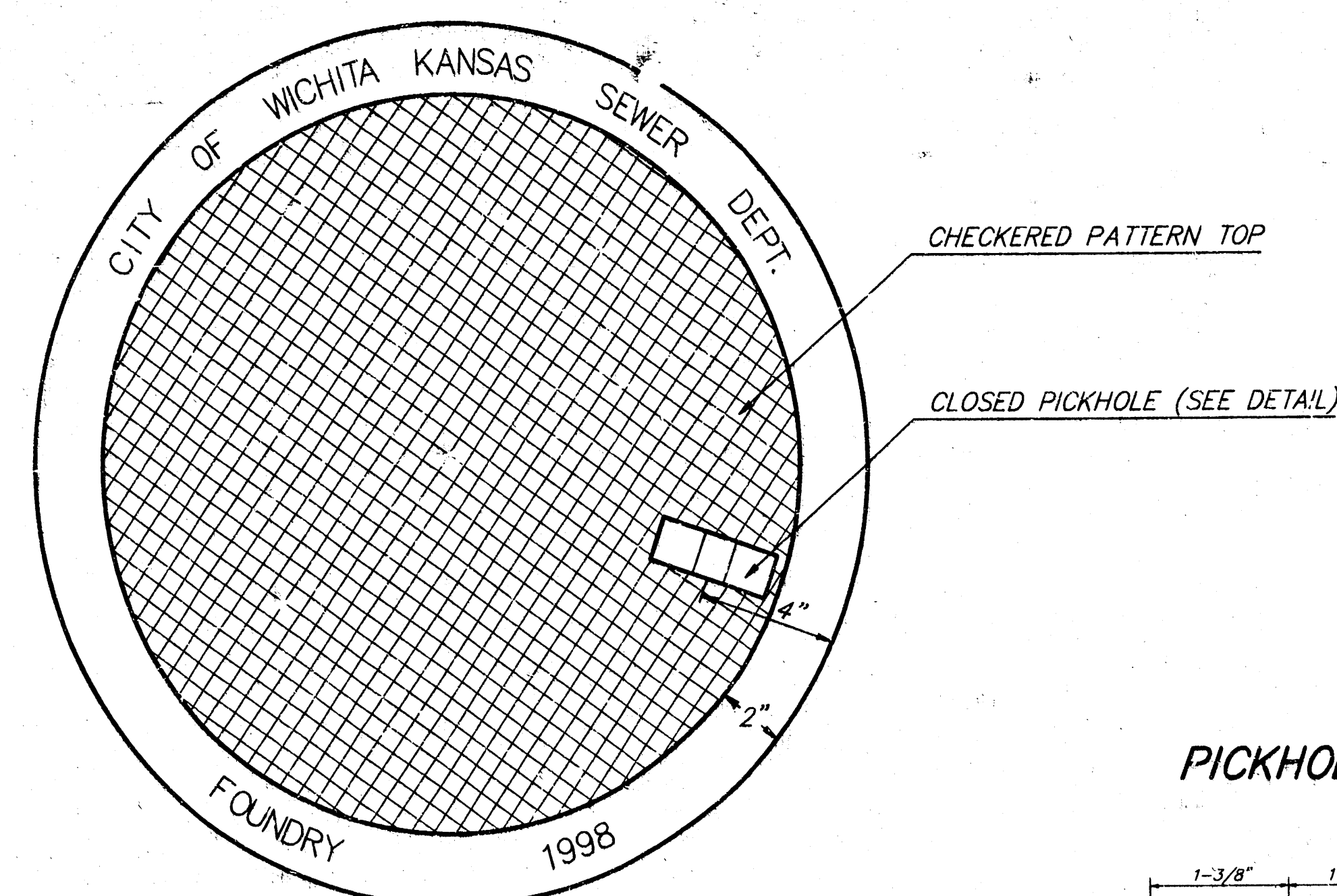
# GENERAL NOTES

- 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.

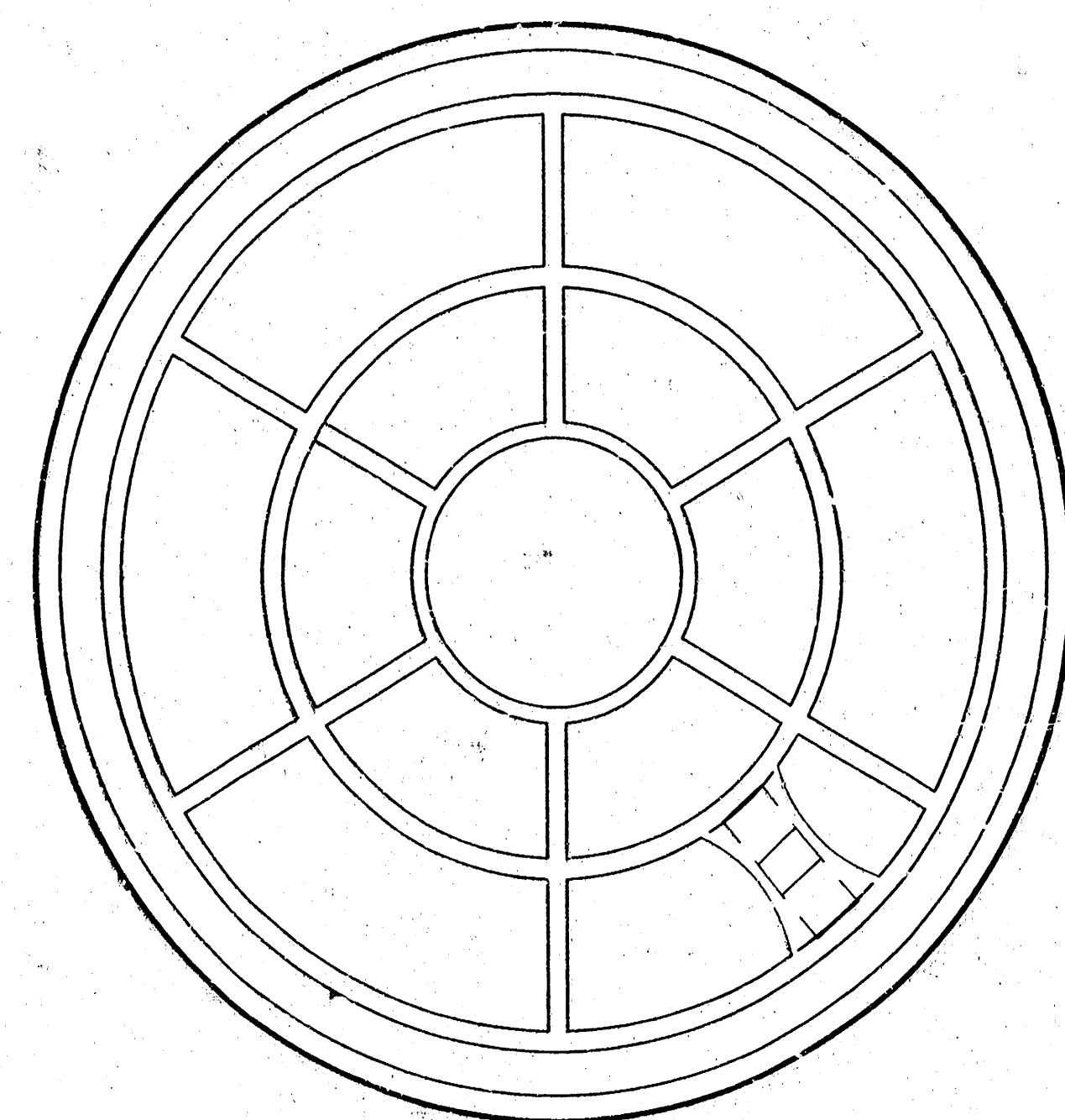
|                                                    |       |          |        |              |       |
|----------------------------------------------------|-------|----------|--------|--------------|-------|
| CITY OF WICHITA, KANSAS                            |       |          |        |              |       |
| STANDARD SHALLOW MANHOLES                          |       |          |        |              |       |
| TYPE "P" AND TYPE "C"                              |       |          |        |              |       |
| BAUGHMAN COMPANY P. A.                             |       |          |        |              |       |
| ENGINEERING, SURVEYING, & PLANNING                 |       |          |        |              |       |
| 315 - 262-7271 • 315 ELLIS • WICHITA, KANSAS 67201 |       |          |        |              |       |
| PROJECT NUMBER                                     |       |          |        |              |       |
| 829 FPS (607861)                                   |       |          |        |              |       |
| DESIGN                                             | DRAWN | APPROVED | DATE   | SCALE        | SHEET |
|                                                    |       |          | 4/1/95 | 1/8" = 1'-0" | 4     |



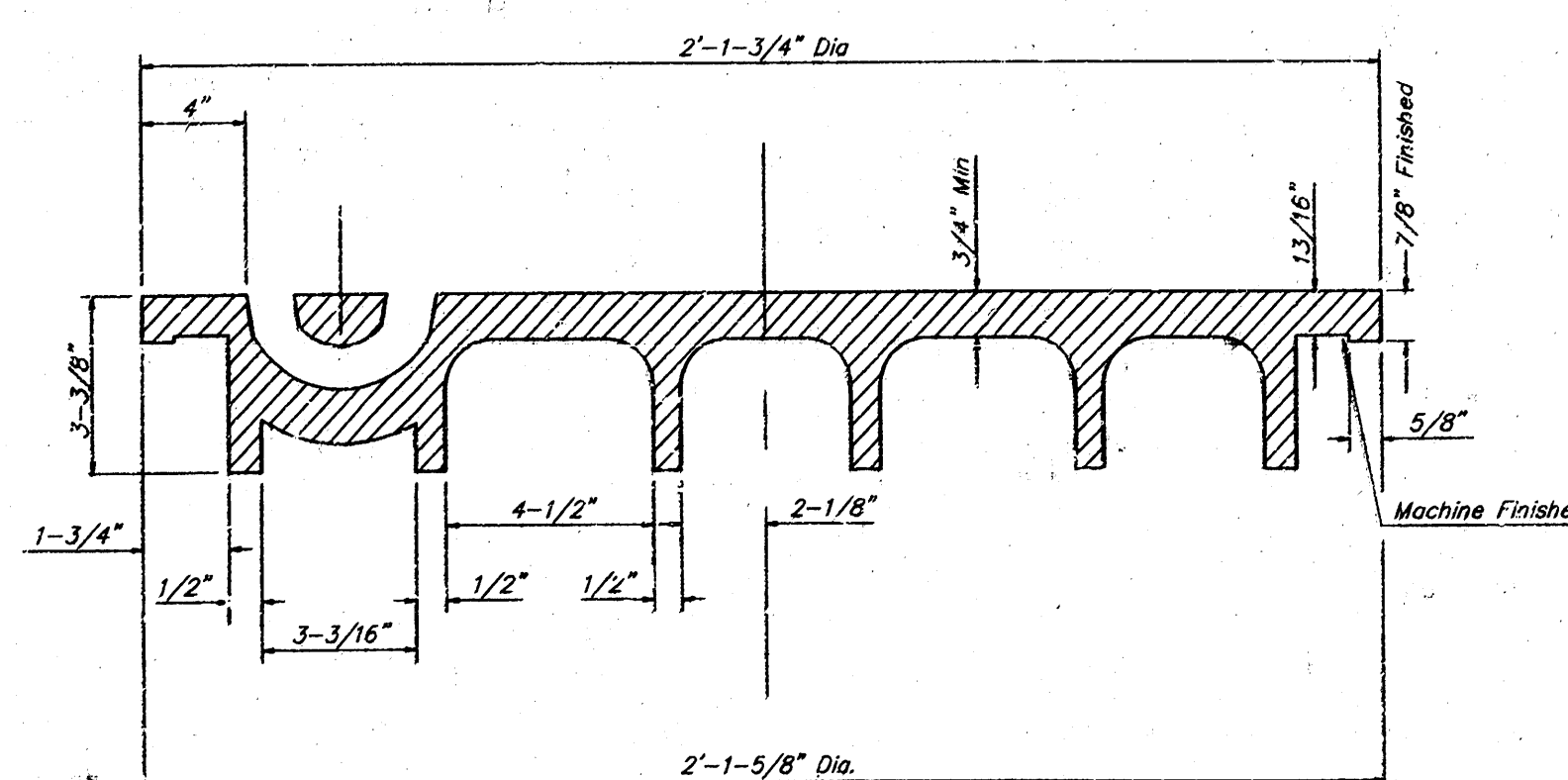
MANHOLE COVER  
Weight = 180 Lbs.



TOP VIEW

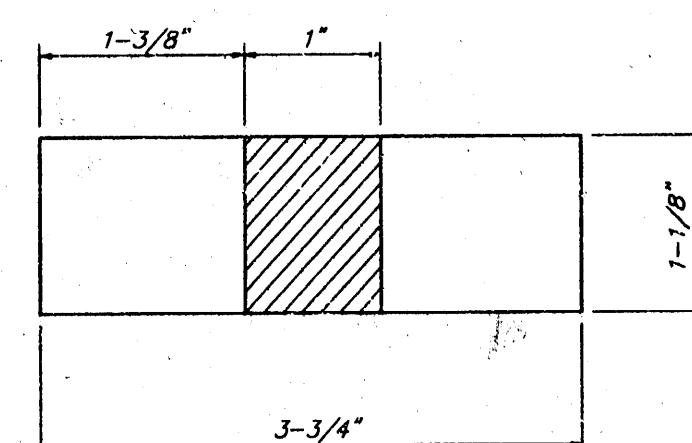


BOTTOM VIEW

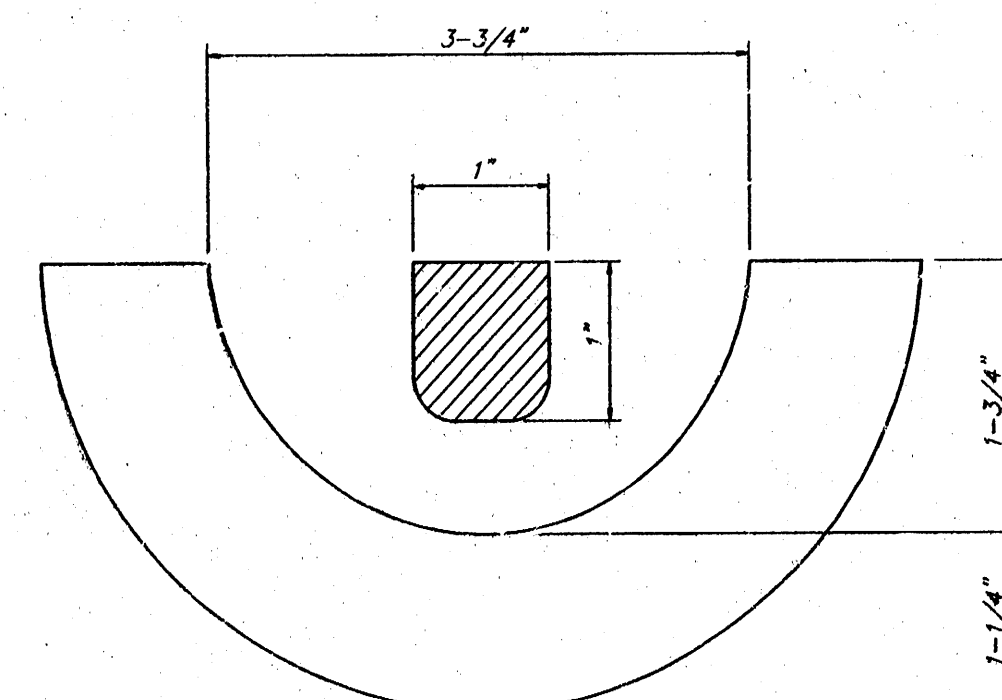


SECTION VIEW

PICKHOLE DETAIL



TOP VIEW

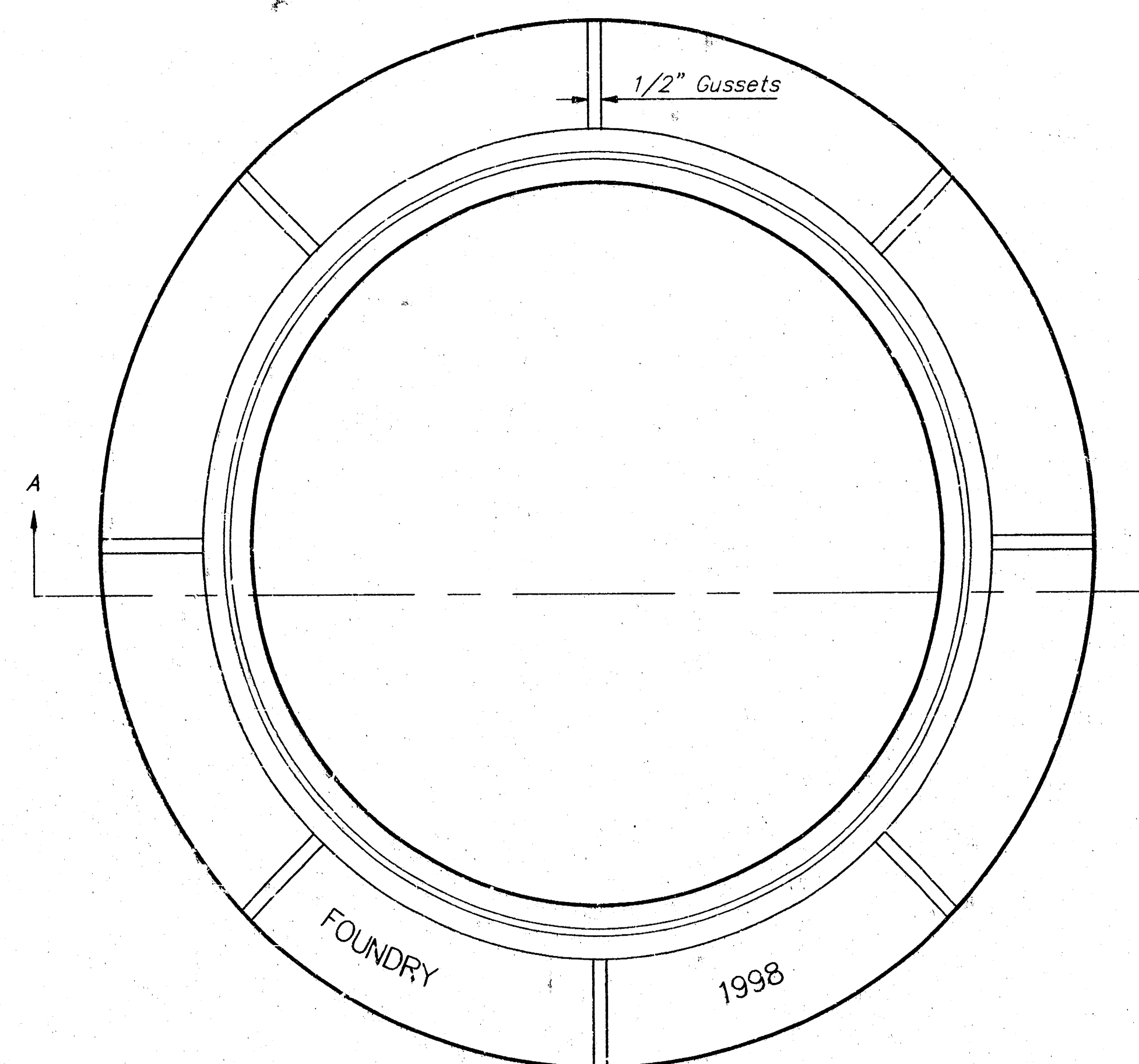


SECTION VIEW

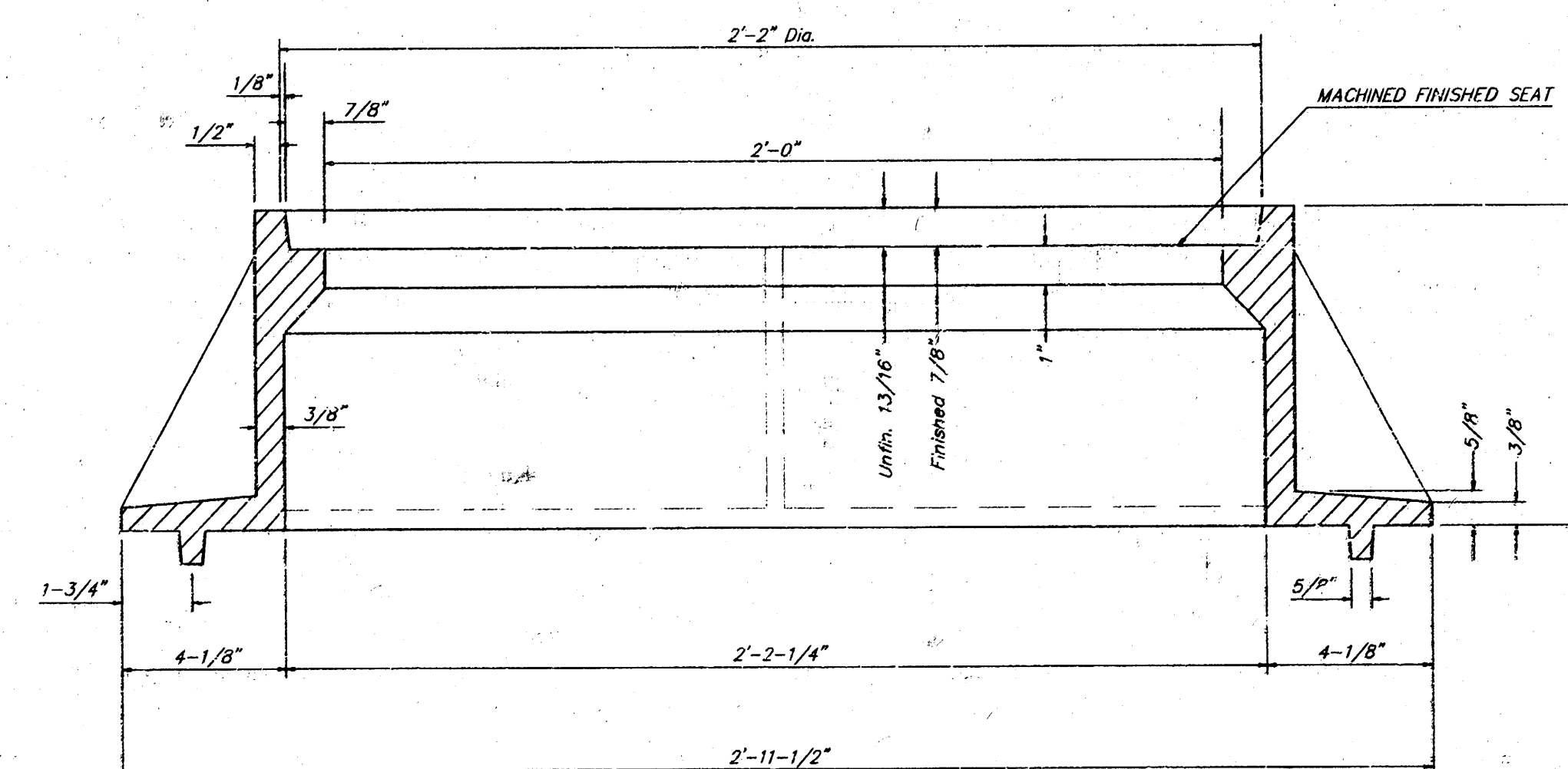
## MANHOLE FRAME AND COVER DETAIL

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.

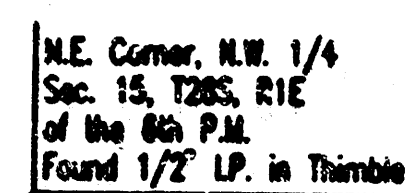
THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE IN THE FRAME RECESS SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AT ANY POINT AROUND THE CIRCUMFERENCE OF THE COVER. THE SEATING 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<br>CITY OF WICHITA, KANSAS |               |          |                 |               |            |
| BAUGHMAN COMPANY P. A.                                   |               |          |                 |               |            |
| ENGINEERS, SURVEYING, & PLANNING                         |               |          |                 |               |            |
| 315 S. 22nd St. • WICHITA, KANSAS 67201                  |               |          |                 |               |            |
| PROJECT NUMBER<br>829 PPS (807861)                       |               |          |                 |               |            |
| DESIGN<br>C.O.H.                                         | DRAWN<br>S.H. | APPROVED | DATE<br>11/7/95 | SCALE<br>NONE | SHEET<br>5 |
|                                                          |               |          |                 |               | 6          |



PC 74-10



B.M. - CITY OF WICHITA DISC 31' WEST AND 31' SOUTH  
OF THE INTERSECTION OF THE CENTERLINES OF  
HYDRAULIC AND MACARTHUR ROAD.  
ELEV. = 86.273 CITY DATUM  
ELEV. = 1273.673 M.S.L.

STATE OF KANSAS           )  
COUNTY OF SHAWNEE       ) ss

BE IT REMEMBERED ON THIS 28 DAY OF January, 1997, BEFORE ME A NOTARY PUBLIC IN AFORESAID STATE AND COUNTY, CAME DARREL E. DOUGAN, VICE PRESIDENT OF COMMERCE BANK AND TRUST TO ME PERSONALLY KNOWN TO BE THE SAME PERSON WHO EXECUTED THE FOREGOING INSTRUMENT OF WRITING AND DULY ACKNOWLEDGED THE EXECUTION OF SAID FORM ON BEHALF AND AS THE ACT AND DEED OF SAID B~~E~~Y IN TESTIMONY WHEREOF I HAVE HEREUNTO SET MY HAND AND AFFIRMED MY WORDS AS BEING THE DAY AND YEAR ABOVE WRITTEN.

Annette M. Morgan NOTARY PUBLIC  
ANNETTE M. MORGAN  
MY COMMISSION EXPIRES May 11, 1999

THIS PLAT HAS BEEN SUBMITTED TO AND APPROVED BY THE WICHITA-  
SEDMICK COUNTY METROPOLITAN AREA PLANNING COMMISSION,  
WICHITA, KANSAS. DATED THIS 19TH DAY OF DECEMBER, 1988.

JOHN C. FRYE, CHAIRMAN  
MARVIN S. KROUT, SECRETARY

THIS PLAT APPROVED AND ALL DEDICATIONS SHOWN HEREON ARE ACCEPTED  
BY THE CITY COUNCIL OF THE CITY OF WICHITA, KANSAS. DATED THIS  
25th DAY OF February, 1967.

BOB KNIGHT MAYOR  
PAT BURNETT CITY CLERK

ENTERED ON TRANSFER RECORD THIS 3rd DAY OF April, 1990

James Alford, COUNTY CLERK  
JAMES ALFORD

THIS IS TO CERTIFY THAT THIS INSTRUMENT WAS FILED FOR RECORD IN  
THE REGISTER OF DEEDS OFFICE AT 2:46 PM, ON THIS 27 DAY OF  
April, 1997

\_\_\_\_\_, REGISTER OF DEEDS  
LARRY L. CONSIDOR  
\_\_\_\_\_, DEPUTY  
MICHAEL D. HURT



By: James E. Dougan, VICE PRESIDENT  
JAMES E. DOUGAN

10 04 05 13