

Lat. 105, Westlink Sewer  
SANITARY SEWER IMPROVEMENTS  
TO SERVE  
**FOUR H ADDITION**

Project Number  
**468-76-245-82393-000-000-001**

Index Code  
**742952**

**CITY OF WICHITA, KANSAS**  
Michael E. Lindebak, P.E. City Engineer

**General Notes**

1. 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:

|                                     |            |
|-------------------------------------|------------|
| Cablevision                         | 262-4270   |
| or                                  | 263-2061   |
| K.G.E. Gas Service Company          | 383-8850   |
| Kansas Gas & Electric Company       | 383-8600   |
| Peoples Natural Gas Company         | 942-7600   |
| Southwestern Bell Telephone Company | 1-571-5011 |
| City of Wichita Water Department    | 268-4909   |
| City of Wichita Sewer Maintenance   | 268-4071   |

2. 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. Existing utilities and their locations, as shown on the plans, represent the best information obtainable for design. Location information has been obtained from the various utility companies and is either from company record drawings or company-provided field locations. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

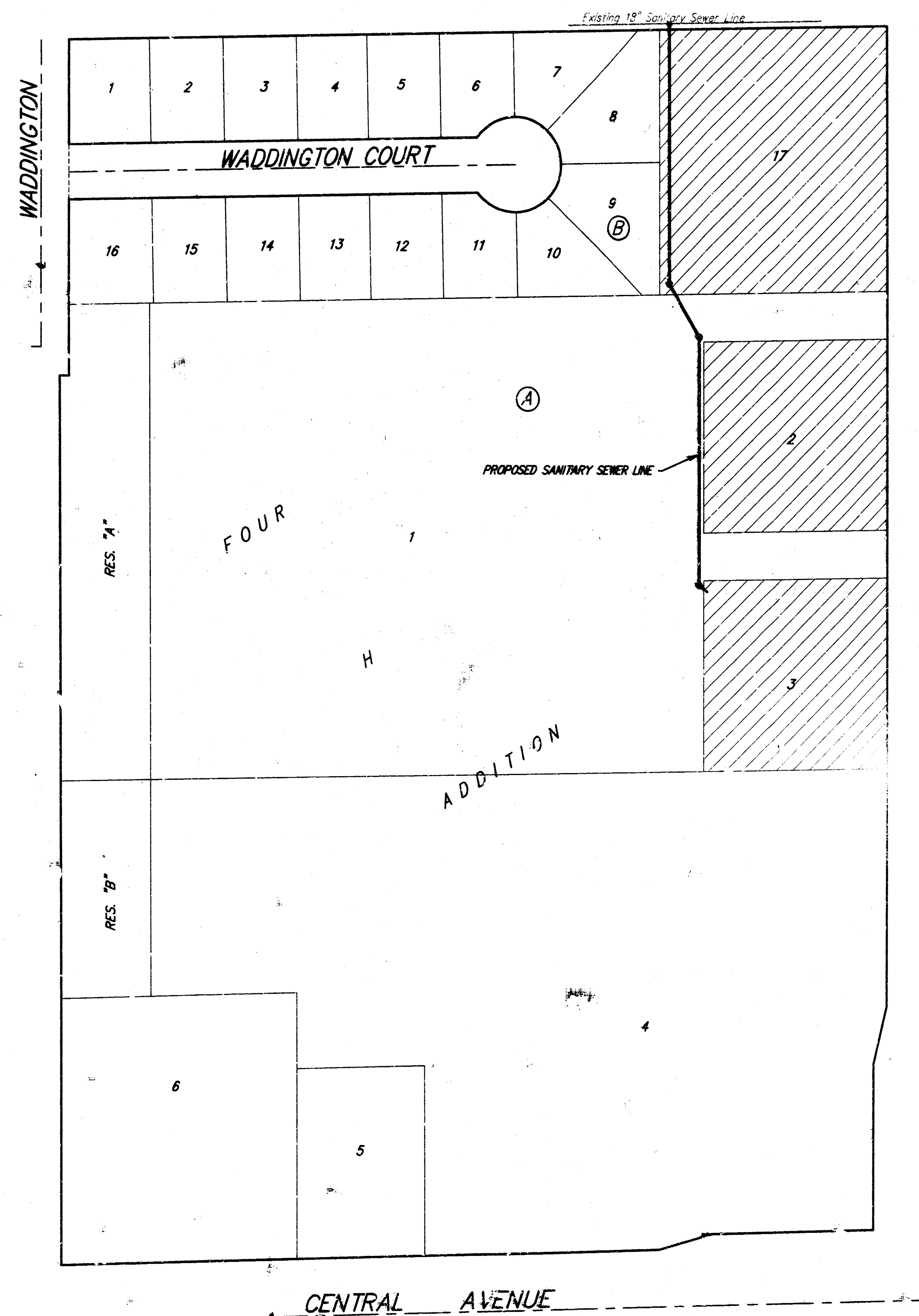
3. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

4. The Contractor shall be responsible for maintaining continuous flow of sewage through construction. Contractor's proposed method for maintaining sewage flow shall be approved by the Engineer. Cost of maintaining flow of sewage through construction will not be paid for directly and this cost shall be considered as subsidiary to the other pay items of work.

5. The Contractor shall be responsible for preserving property irons. The Contractor will 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 in accordance with state laws.

6. All areas disturbed by construction operations shall be seeded with rye grass at a rate of 6 lbs. per 1000 sq. feet. Contractor to prepare ground to city specifications.

7. Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archaeological investigations unless buried in a previously approved borrow location.

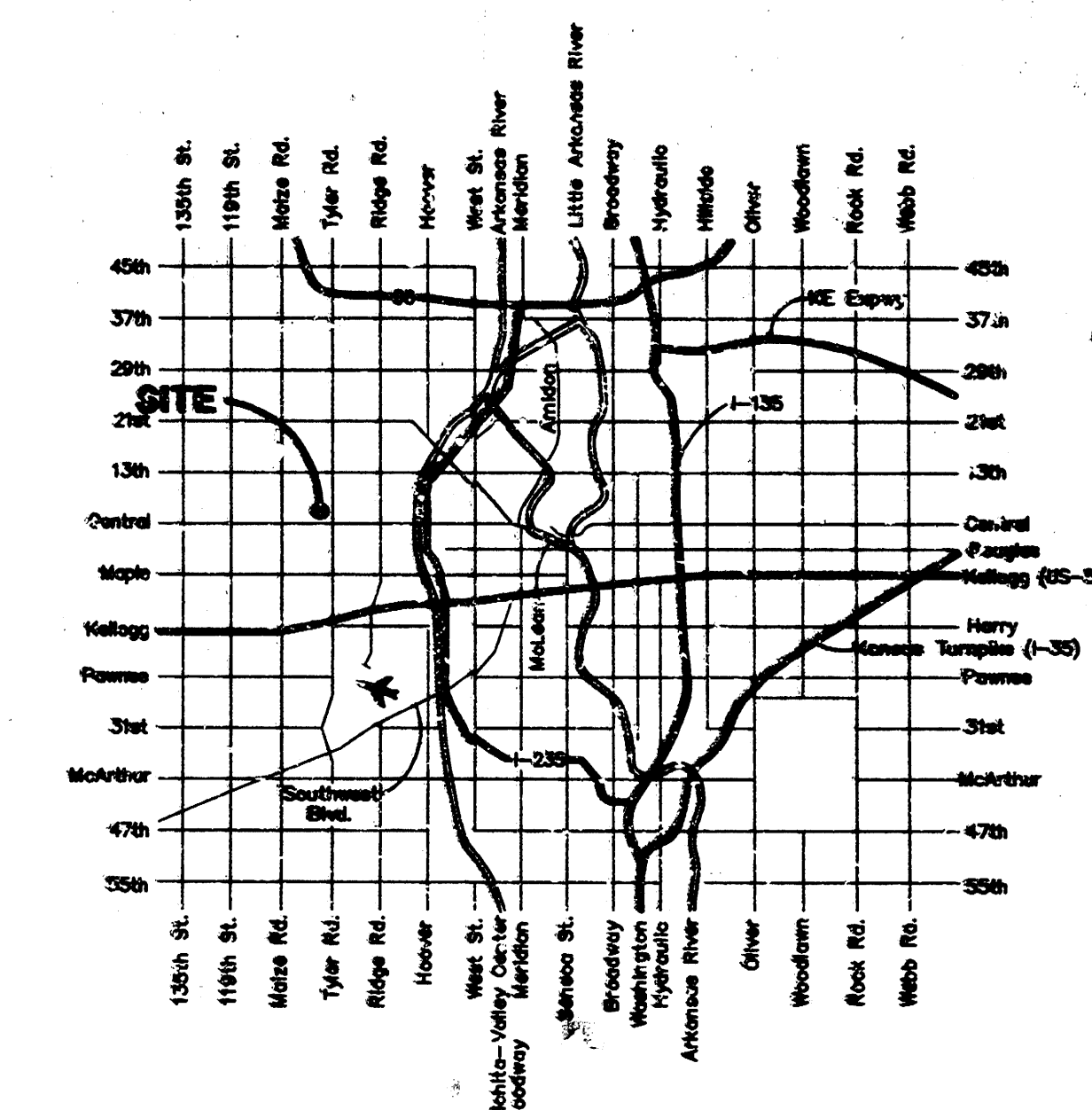


**Benchmarks:**

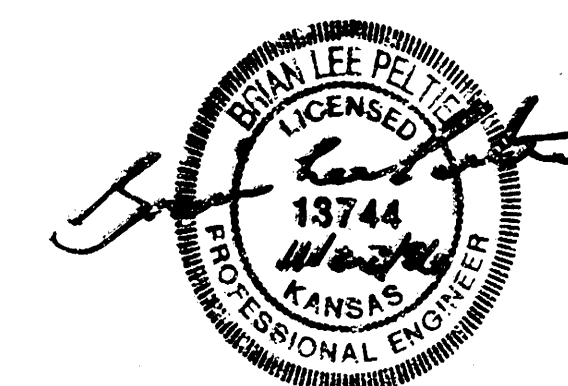
BENCH MARK: "X" cut on back of walk located 30' south & 50' west of the centerlines of Bekermeyer & Tyler Road. Elevation = 147.83 (City Datum)

**Index:**

- 1 Title Sheet
- 2 Plan/Profile
- 3 Standard Manhole Detail Sheet
- 4 Copy of Plat

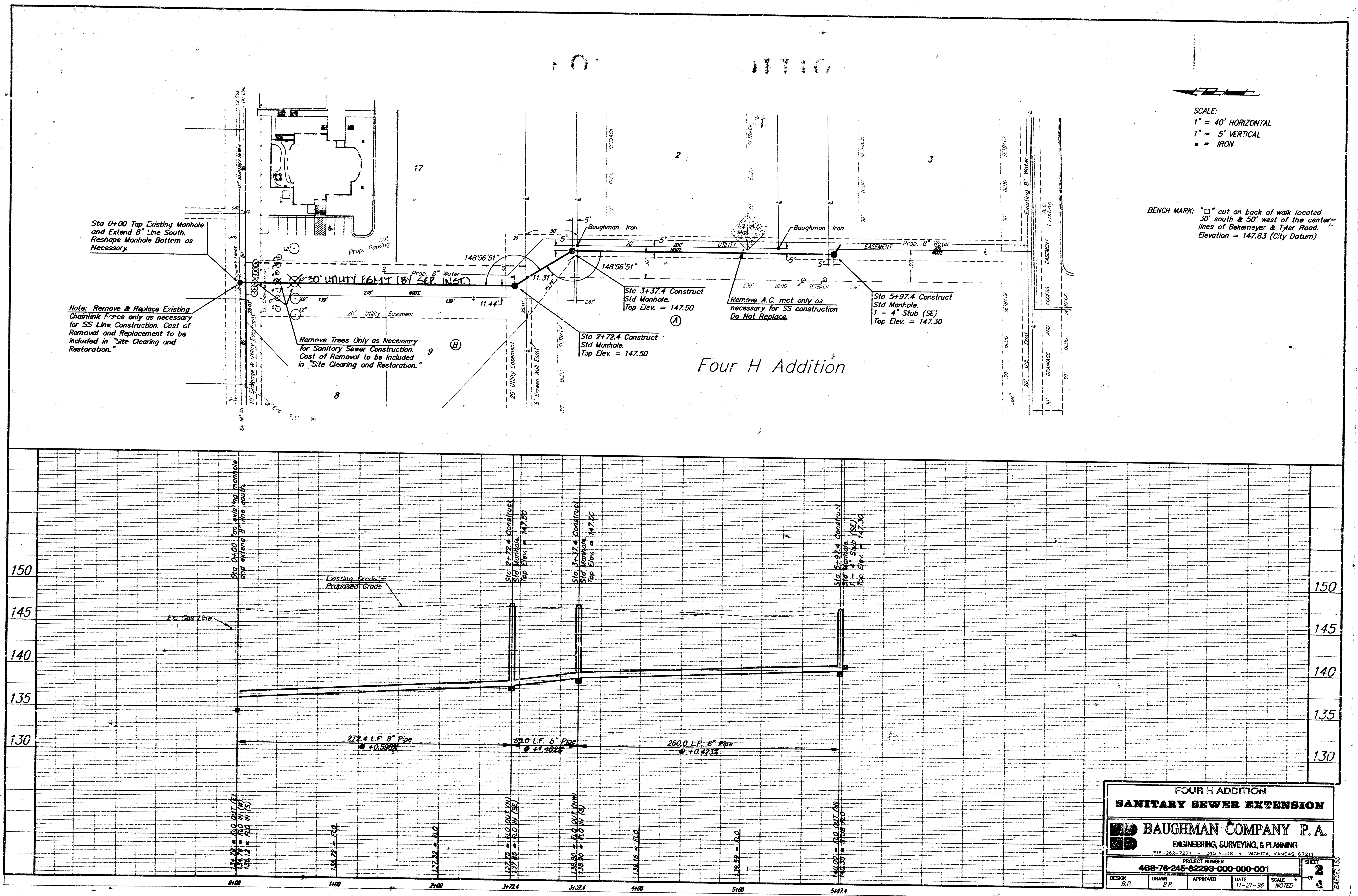


Benefit District: [Hatched Box]



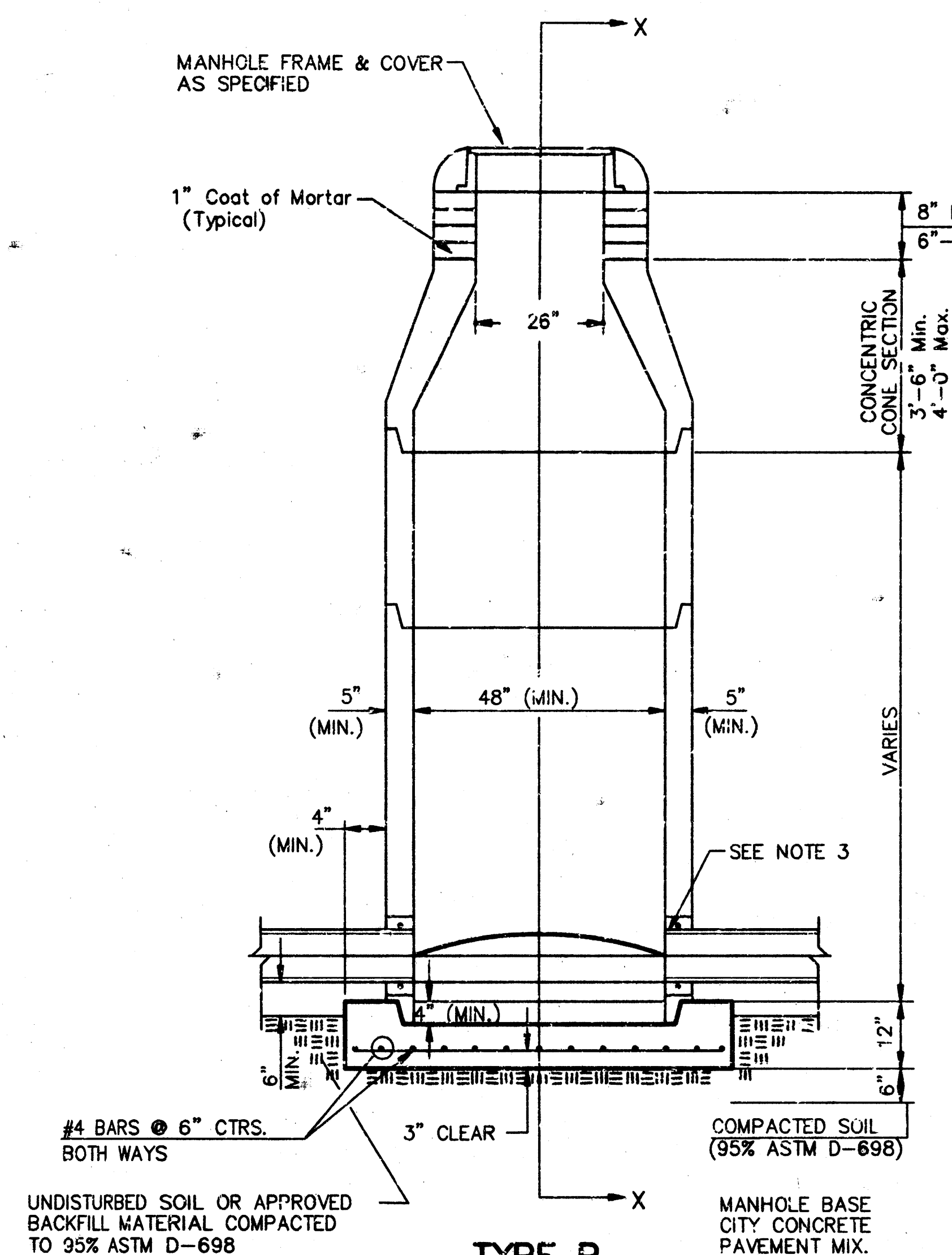
**BAUGHMAN COMPANY P.A.**  
ENGINEERING, SURVEYING & PLANNING  
316-265-7271 • 315 ELLIS • WICHITA, KANSAS 67211



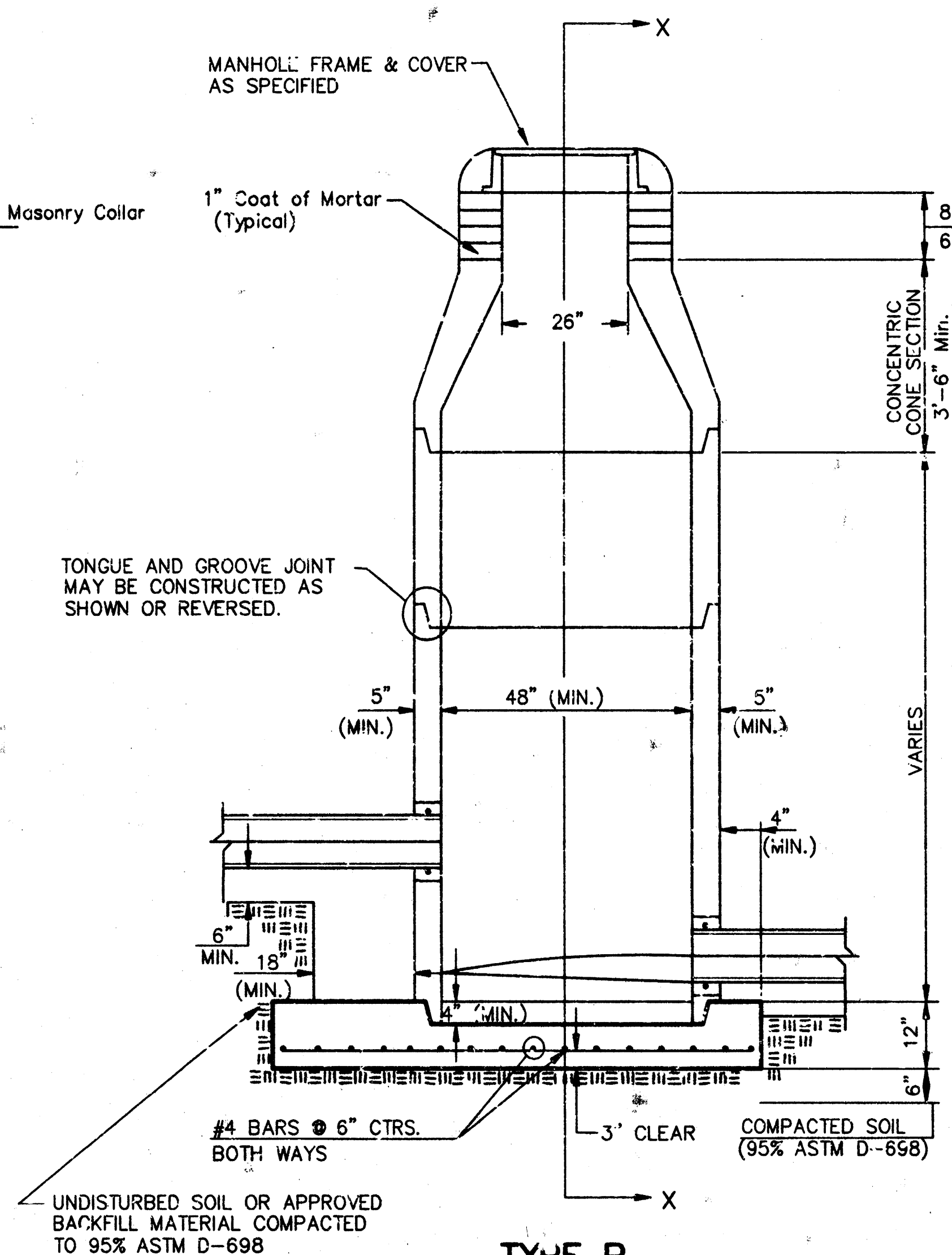




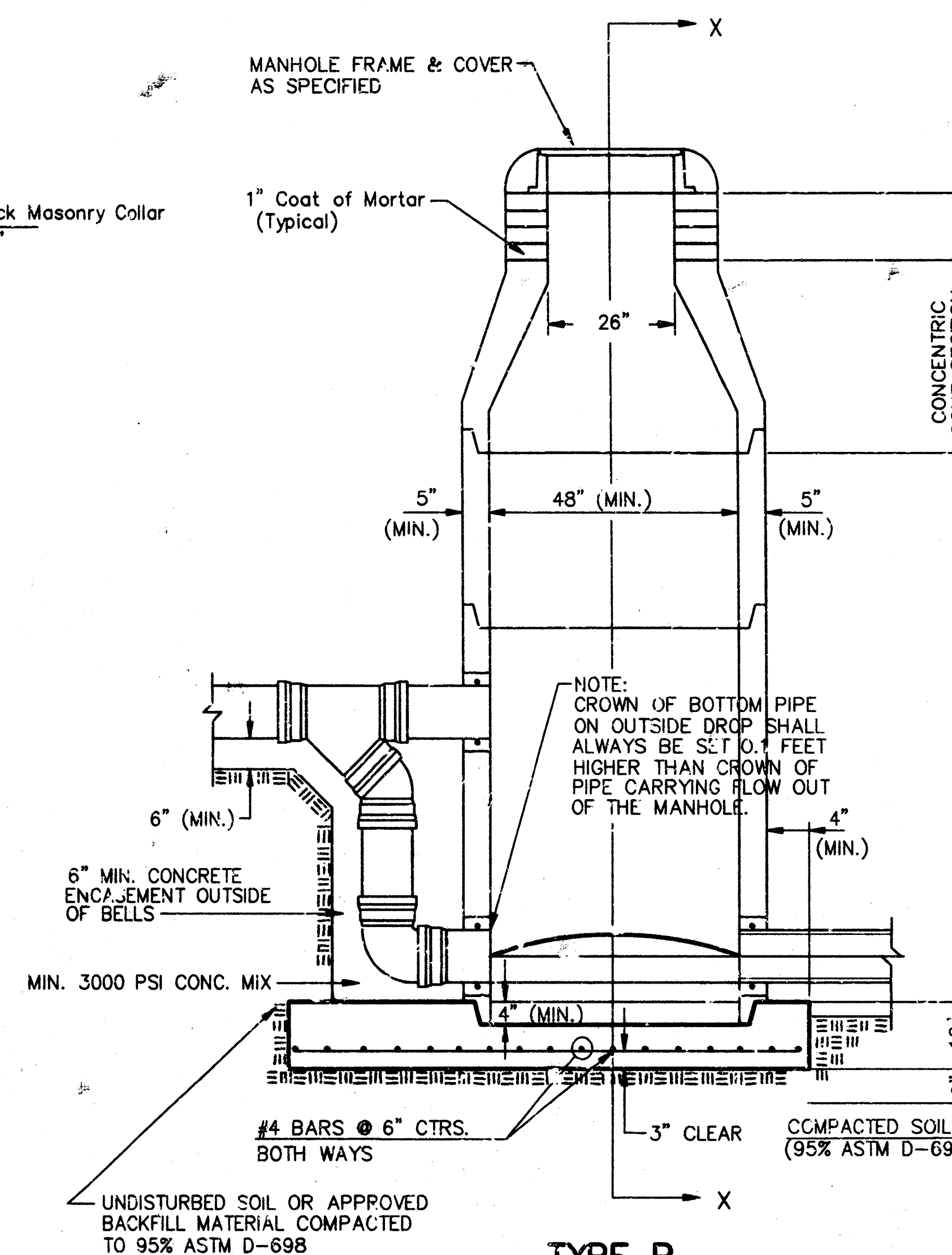
# SEWER APPURTENANCES DETAILS



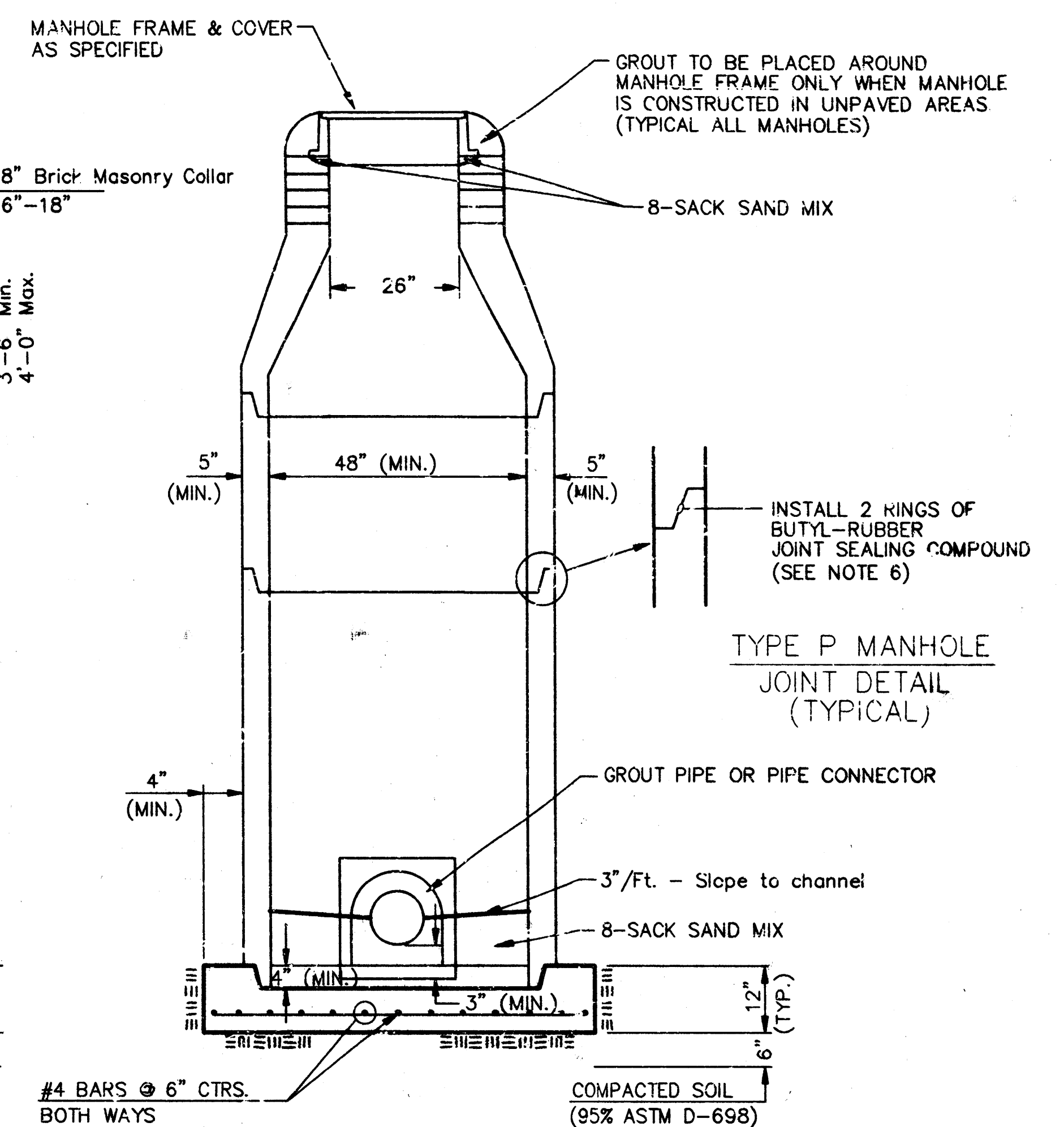
TYPE P  
STANDARD MANHOLE



TYPE P  
INSIDE DROP MANHOLE



TYPE P  
OUTSIDE DROP MANHOLE



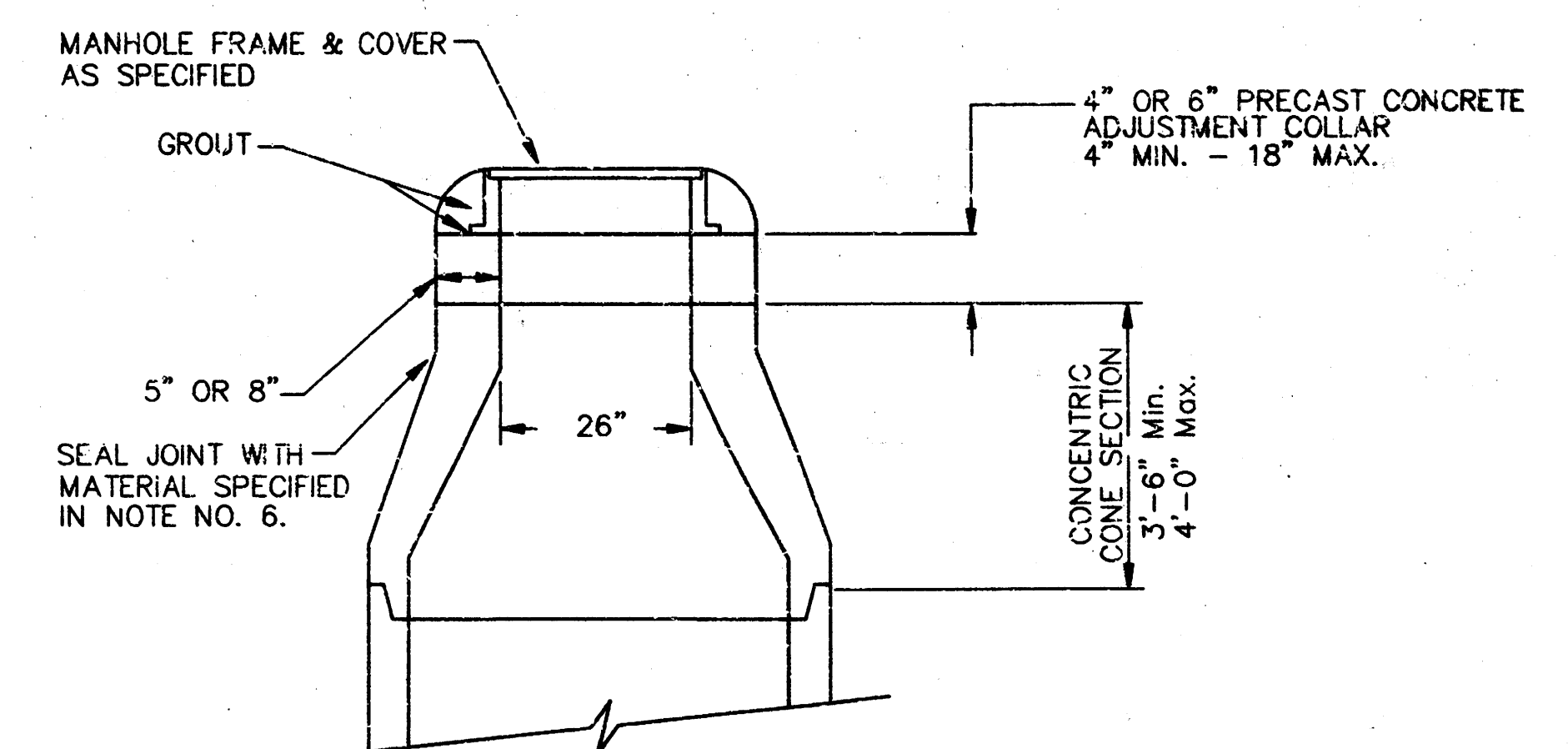
SECTION X  
(TYPICAL)

## GENERAL NOTES PRECAST MANHOLE NOTES

- ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISIONS OF A.S.T.M. C478 AS MODIFIED BY THE SPECIFICATIONS.
- NON-SHRINK GROUT SHALL BE NON-METALLIC TYPE.
- 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 SUPPORTED WITH CONCRETE ENCASEMENT A MINIMUM OF 3 FEET FROM THE MANHOLE WALL AND TO THE FIRST JOINT FOR V.C.P. SUCH THAT THE JOINT REMAINS FLEXIBLE.
- ALL INSIDE SURFACES OF THE CONCRETE MANHOLE WHICH WOULD BE EXPOSED TO SEWER GAS SHALL BE COATED WITH 2 COATS TMECC SERIES 66 HI-BUILD EPOXYLINE, DRY THICKNESS OF 8 MILS (MIN.).
- EXTERIOR MANHOLE WALLS SHALL BE COATED WITH 1 COAT MOBILARMA 633 BITUMINOUS COATING.
- JOINT SEALING COMPOUND SHALL BE KENT SEAL NO. 2 OR APPROVED EQUAL.
- PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO THE MANHOLE BASE.
- 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.
- LIFTING HOLES SHALL BE FILLED WITH NON-SHRINK GROUT AND THE INTERIOR SURFACE COATED AS SPECIFIED.
- 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 LEAK 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 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.
- 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.
- 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.
- 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 DRAWING.
- 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.
- 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.
- 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.



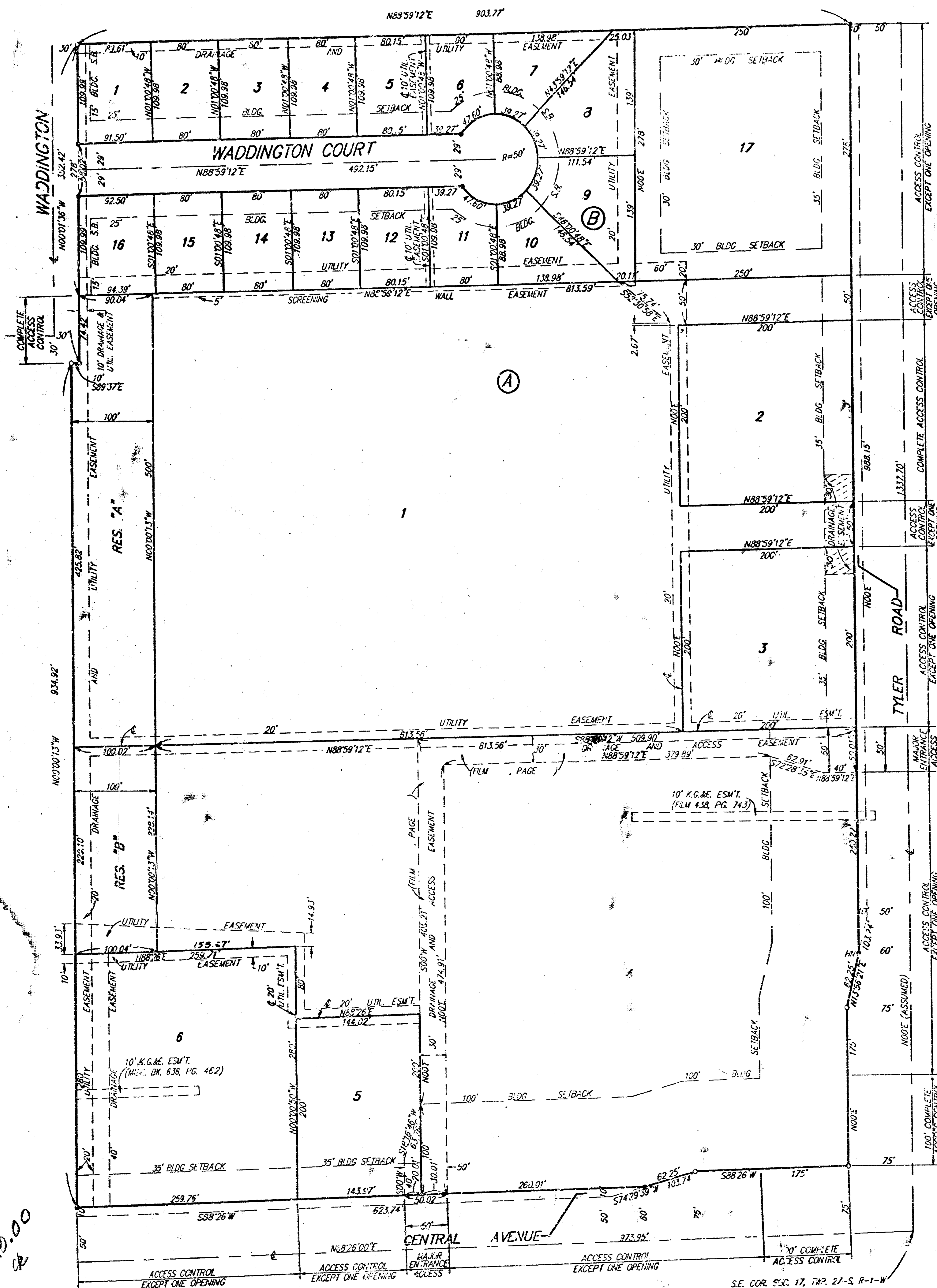
ALTERNATE CONSTRUCTION  
IN UNPAVED AREAS

|                                                  |       |          |        |
|--------------------------------------------------|-------|----------|--------|
| CITY OF WICHITA                                  |       |          |        |
| <b>STD. MANHOLE DETAILS</b>                      |       |          |        |
| SEWER APPURTENANCES DETAILS                      |       |          |        |
| <b>BAUGHMAN COMPANY P. A.</b>                    |       |          |        |
| ENGINEERING, SURVEYING, & PLANNING               |       |          |        |
| 318-262-7271 • 115 ELLIS • WICHITA, KANSAS 67211 |       |          |        |
| PROJECT NUMBER                                   |       |          |        |
| 469-78-245-62263-000-000-001                     |       |          |        |
| DESIGN                                           | DRAWN | APPROVED | DATE   |
|                                                  |       |          | NOV 93 |
| SCALE                                            |       |          | SHEET  |
|                                                  |       |          | 3      |
|                                                  |       |          | 4      |



# FOUR H ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



SCALE: 1" = 80'  
 • = 1/2" IRON (FOUND)  
 • = 1/2" REBAR  
 W/ "BAUGHMAN" CAP (SET)  
 H = "HILL" NAIL (SET)

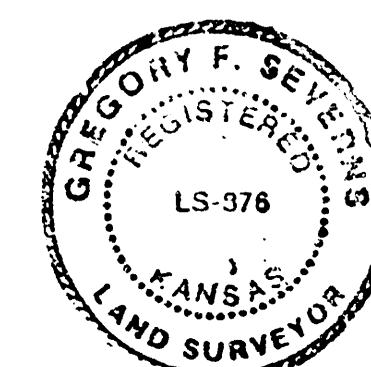
NOTE:  
 BUILDING SETBACK LINES WITHIN  
 BLOCK "A" AS PER FOUR H  
 COMMUNITY UNIT PLAN, DP-209.

State of Kansas) SS We, Baughman Company, P.A., Surveyors in  
 Sedgwick County) aforesaid county and state do hereby certify that we have surveyed  
 and plotted "FOUR H 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:  
 All of Lot 1, 4-H Club Addition, Wichita, Sedgwick County, Kansas and  
 all of Lot 1, 4-H Club 2nd Addition, Wichita, Sedgwick County, Kansas.

All being situated in the SE1/4 of Sec. 17, 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).

Baughman Company, P.A.

Date 3/3/93



*Gregory F. Severns*  
 Gregory F. Severns Surveyor

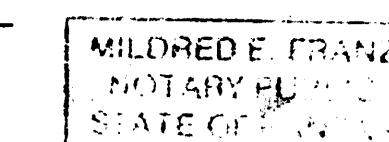
Know all men by these presents that we,  
 the undersigned, have caused the land described in the surveyors  
 certificate to be platted into lots, blocks, streets and reserves to be  
 known as "FOUR H ADDITION", Wichita, Sedgwick County, Kansas.  
 Reserve "A" and Reserve "B" are hereby reserved for landscaping,  
 open space, screen wall construction, and drainage purposes.  
 Reserve "A" shall be owned and maintained by the owner of Lot 1.  
 Reserve "B" shall be owned and maintained by the owner of Lot 4.  
 The streets are hereby dedicated to and for the use of the public.  
 The utility easements are hereby granted as indicated for the construction and  
 maintenance of all public utilities. The drainage easements are hereby  
 granted as indicated for drainage purposes. The access and utility ease-  
 ments are hereby granted as indicated for drainage purposes and for the  
 construction and maintenance of all public utilities. The access and  
 drainage easements are hereby granted for access purposes and for  
 drainage purposes. The screening wall easement is hereby granted  
 as indicated for screening purposes. Access controls as depicted  
 on the face of the plat are hereby granted to the City of Wichita,  
 Kansas. The permitted entrance locations shall be as determined  
 by the City Engineer of the City of Wichita, Kansas. Building Setback  
 Lines within Block "A" as per Four H Community Unit Plan, DP-209.

T V Realty, L. L. C.

*Stephen J. Mardis*  
 Stephen J. Mardis Manager

State of Kansas) SS The foregoing instrument acknowledged be-  
 fore me, this 7th day of March, 1993, by Stephen J. Mardis,  
 Manager of T V Realty, L. L. C., on behalf of the Company.

*Richard E. Seery*  
 Richard E. Seery Notary Public  
 My App't. Exp. 2-3-95



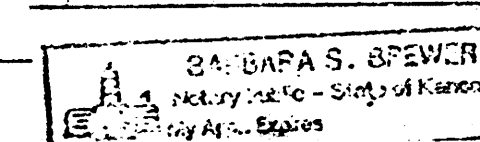
We, the undersigned, holders of a mortgage  
 on the above described property do hereby consent to this plat of  
 "FOUR H ADDITION", an Addition to Wichita, Sedgwick County, Kansas.

Bank IV

*Tim McGuigan*  
 Tim McGuigan Vice President

State of Kansas) SS The foregoing instrument acknowledged be-  
 fore me, this 11th day of March, 1993, by Tim McGuigan,  
 Vice President of Bank IV, on behalf of the bank.

*Barbara A. Brown*  
 Barbara A. Brown Notary Public  
 My App't. Exp. 1/1/96



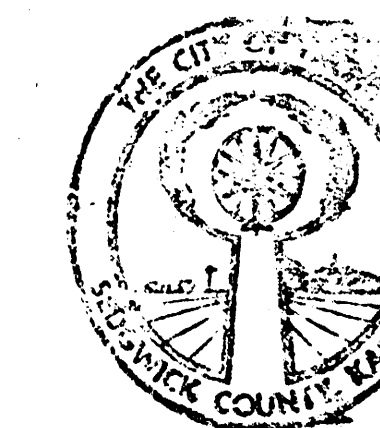
This plat of "FOUR H ADDITION", Wichita,  
 Sedgwick County, Kansas, has been submitted to and approved by  
 the Wichita-Sedgwick County Metropolitan Area Planning Commission,  
 Wichita, Kansas.  
 Dated this 25th day of February, 1993.  
 Wichita-Sedgwick County Metropolitan Area Planning Commission.



*L. O. Breckenridge, Jr.*  
 L. O. Breckenridge, Jr. Chairman

*Marvin S. Krout*  
 Marvin S. Krout Secretary

This plat approved and all dedications  
 shown hereon accepted by the City Council of the City of Wichita,  
 Kansas, this 23rd day of March, 1993.



*Frank M. Dille*  
 Frank M. Dille Mayor

*Pat Burnett*  
 Pat Burnett Deputy City Clerk

Entered on transfer record this 1st day  
 of April, 1993.



*Susan E. Crockett-Spoon*  
 Susan E. Crockett-Spoon County Clerk

#1279652

State of Kansas) SS This is to certify that this plat has been  
 Sedgwick County) filed for record in the office of the Register of Deeds, this 1st day  
 of APRIL, 1993, at 11:20 o'clock A.M., and is duly  
 recorded.

*Pat Kettler*  
 Pat Kettler Register of Deeds

*Ed Resa*  
 Ed Resa Deputy

14-5-4/4