

General Notes

Lateral 34, Main 15, Southwest Interceptor

SANITARY SEWER TO SERVE

WESTWIND 5TH ADDITION

Project Number

468-76-245-82539-000-000-001

Index Code: 742510

CITY OF WICHITA, KANSAS

Michael E. Lindebak, City Engineer

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 383-8650
Kansas Gas & Electric Company 383-8600
Peoples Natural Gas Company 942-7600
Southwestern Bell Telephone Company 1-571-2611
City of Wichita Water Department 268-4208
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 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. Utilities may exist which are not shown on the plans. It will be the responsibility of the Contractor to verify the locations of existing utilities. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

3. 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.

4. Properties within the project limits may have underground sprinkler systems in public right-of-way which conflict with new construction. Contractor will be required to remove such improvements should they not be removed by their owner at the time of construction of the project. The Contractor will be required to salvage all sprinkler heads and/or valves and give such material to its owner. Portions of underground sprinkler systems not in conflict with new construction shall be protected from damage and shall remain in place. All work in connection with underground sprinkler systems shall be considered as subsidiary to the contract pay items of work.

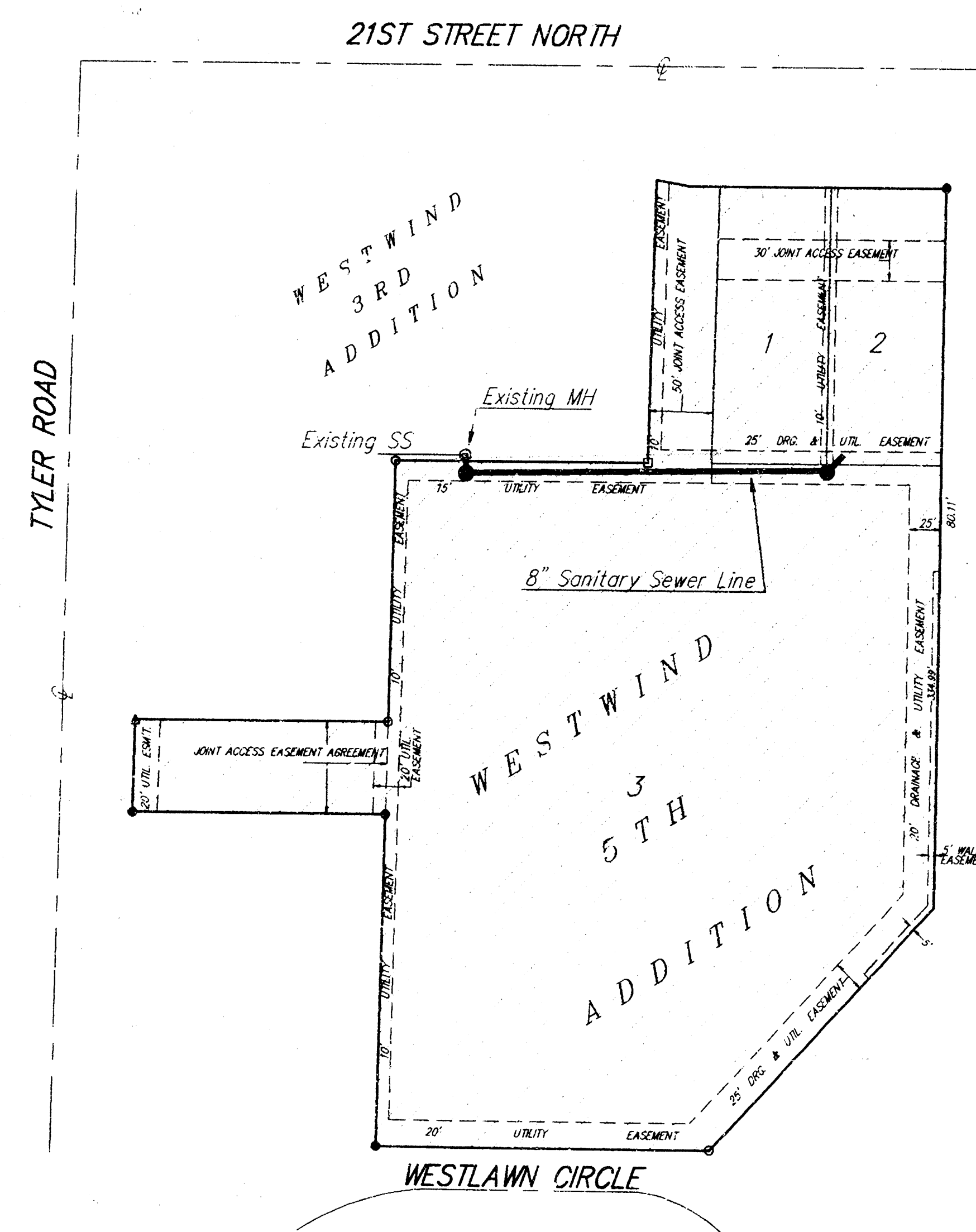
5. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

6. The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days advance notice prior to start of construction.

7. 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.

8. 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.

9. All areas disturbed by construction operations shall be seeded with rye grass at a rate of 2 lbs. per 1000 sq. feet. Contractor to prepare ground to City Specifications prior to seeding.



Scale: 1" = 100'

INDEX:

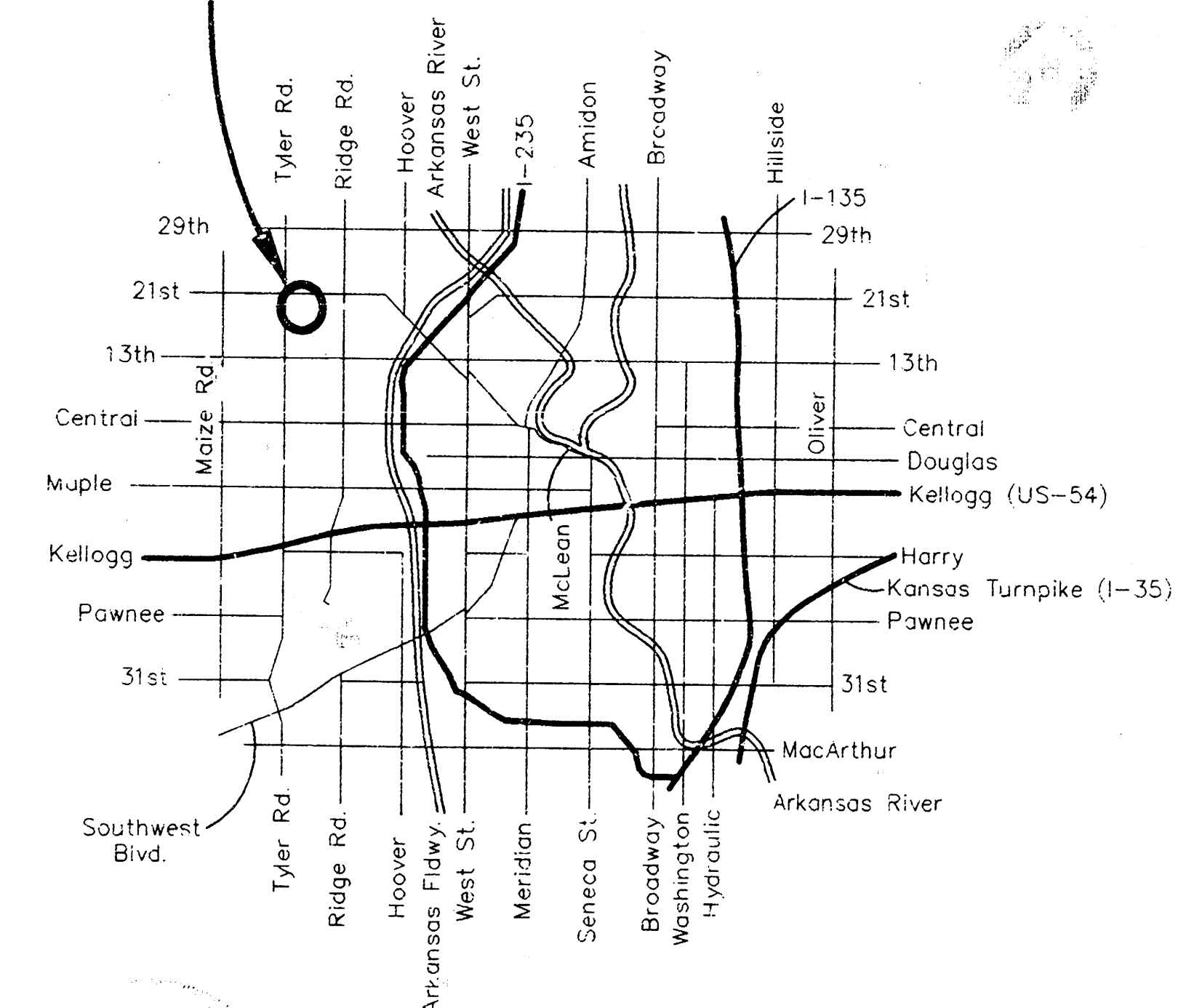
1. Title Sheet
2. Sanitary Sewer Plan / Profile
3. Standard Manhole Detail
4. Manhole Frame & Cover Detail
5. Copy of Westwind 5th Addition Plat

BENCHMARKS:

City of Wichita Disc Located 716' North and 53.5' East of Centerline Intersection of Tyler Road and 21st Street North. Elevation = 170.95 City Datum.

"Q" T.C. on Westlawn Circle at the N.W. Corner of Lot 39, Cedar Meadows Addition. Elevation = 168.17 City Datum.

SITE LOCATION



Vicinity Map
(No Scale)

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
318-262-7270 • 318-262-7271 • WICHITA, KANSAS 67211

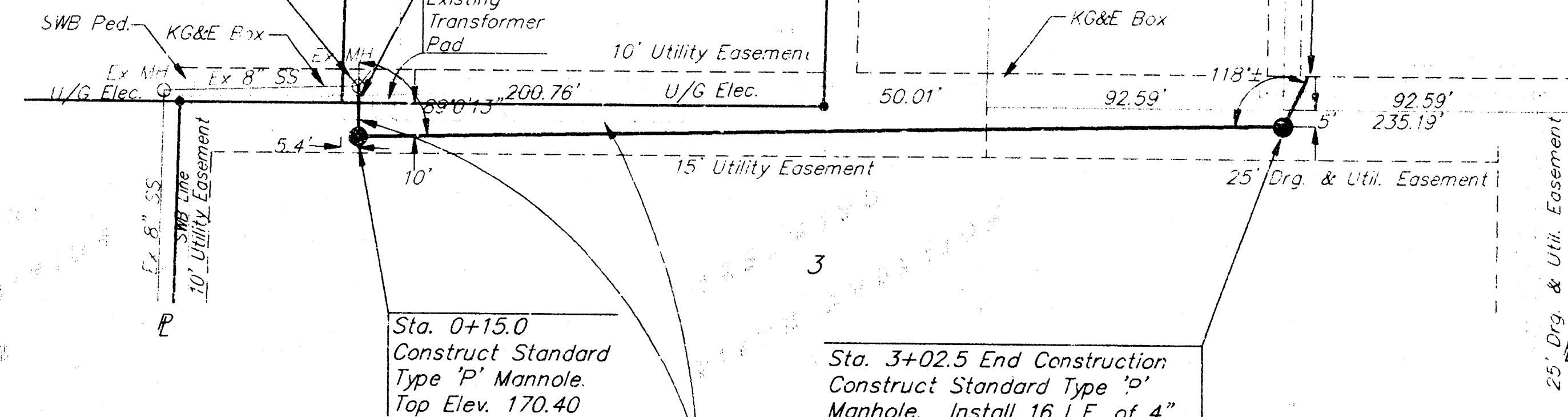
BENCHMARKS:

City of Wichita Disc Located 73.6' North and 53.3' East of Centerline Intersection of Tyler Road and 21st Street North.
Elevation = 170.95 City Datum.

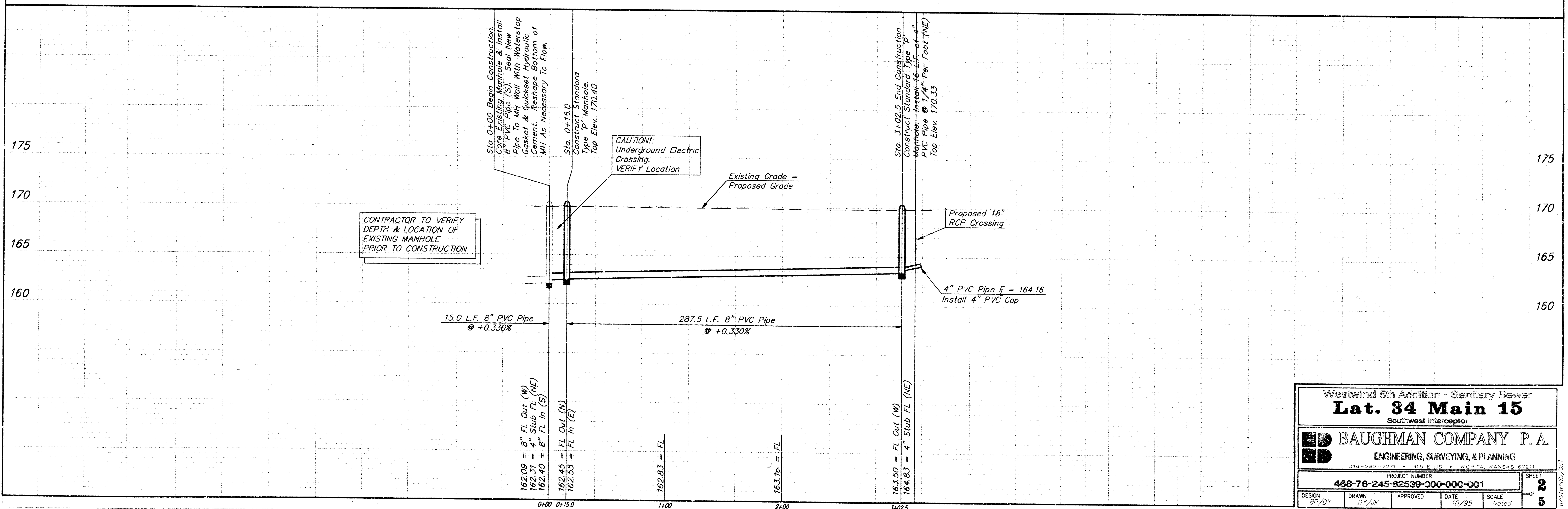
"□" T.C. on Westlawn Circle at the N.W. Corner of Lot 39, Cedar Meadows Addition.
Elevation = 168.17 City Datum.

Sta 0+00 Begin Construction. Core Existing Manhole & Install 8" PVC Pipe (S). Seal New Pipe to MH Wall With Waterstop Gasket & Quickset Hydraulic Cement. Reshape Bottom of MH As Necessary To Flow.

CAUTION! Underground Electric Crossing. VERIFY Location

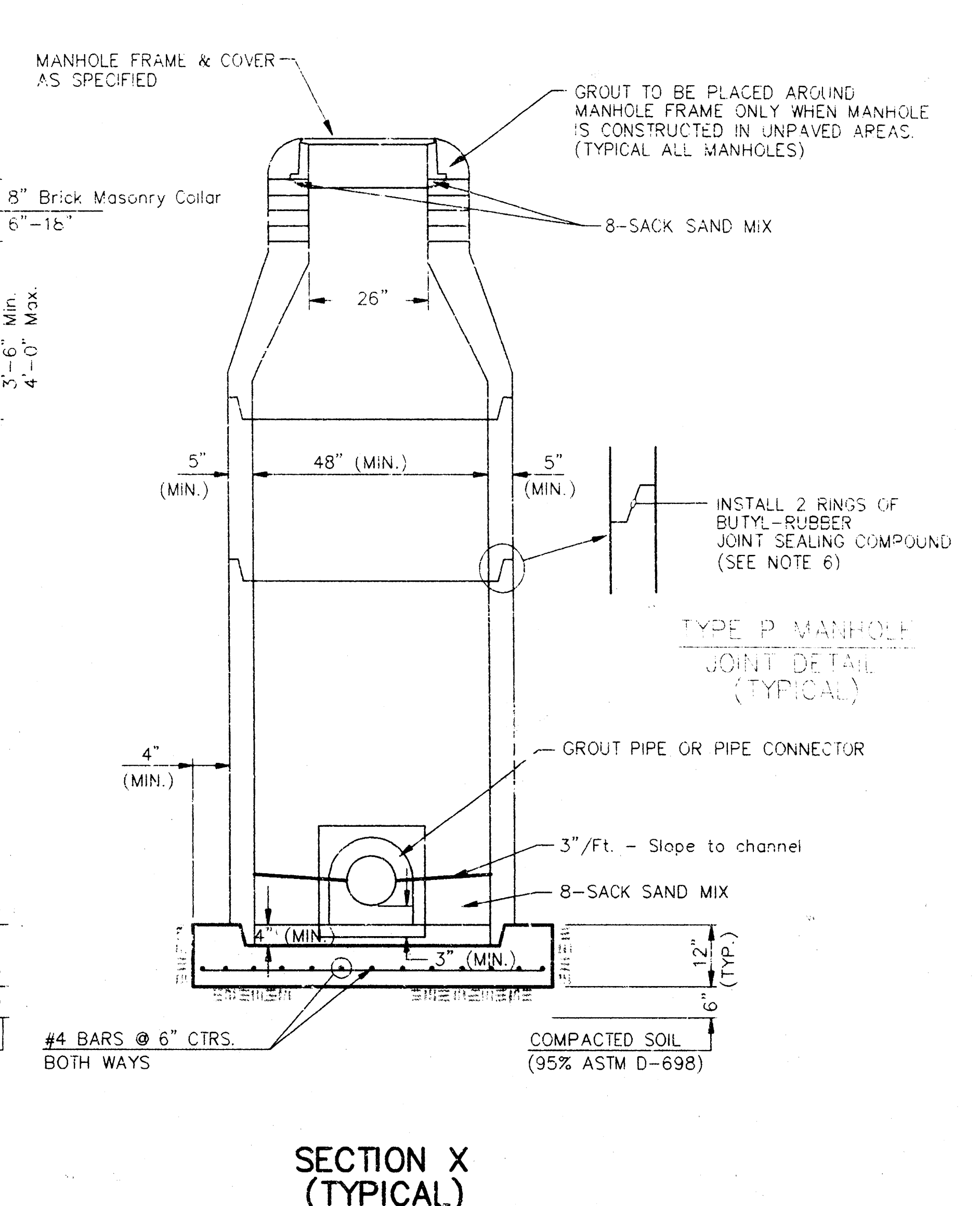
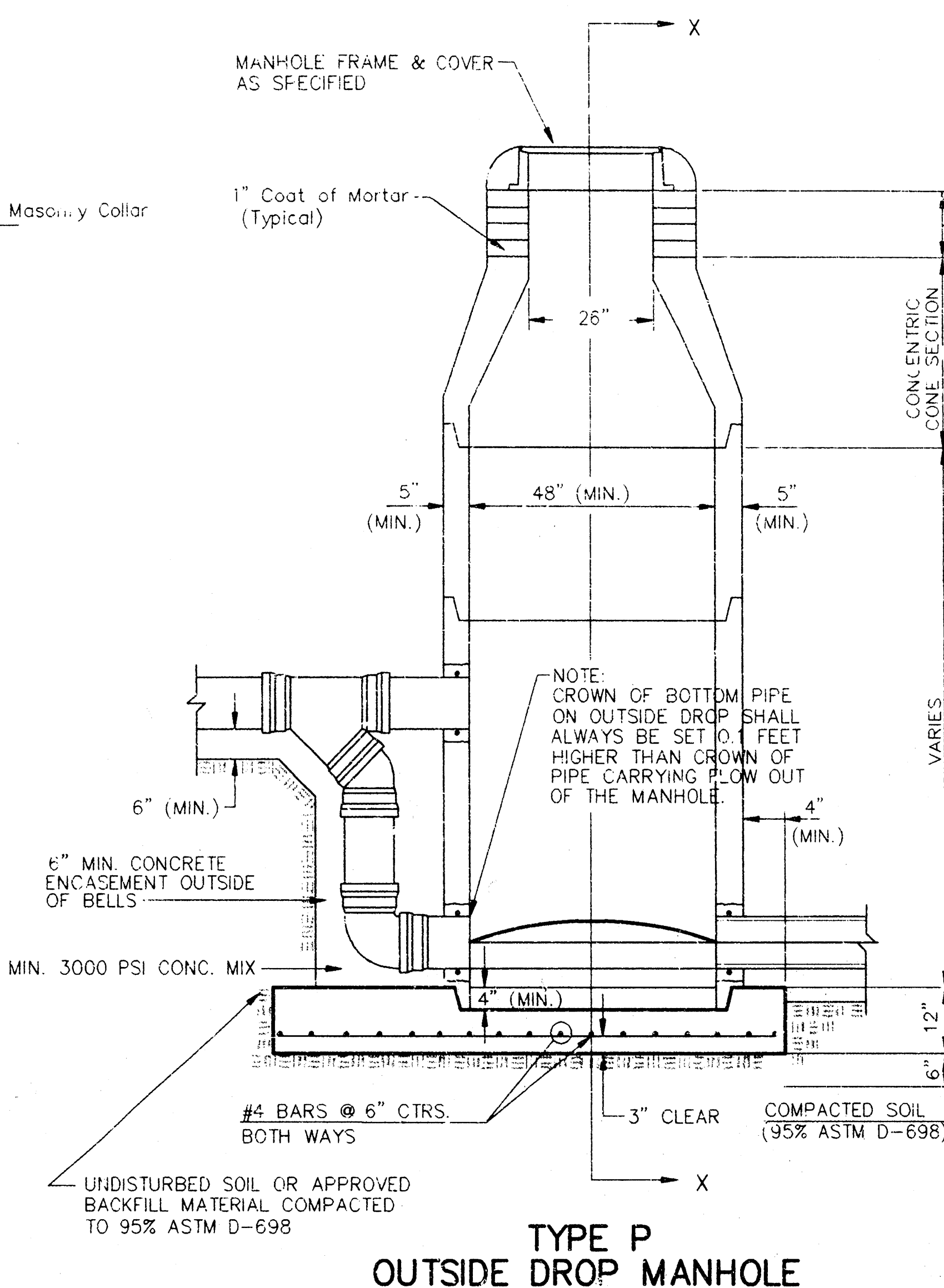
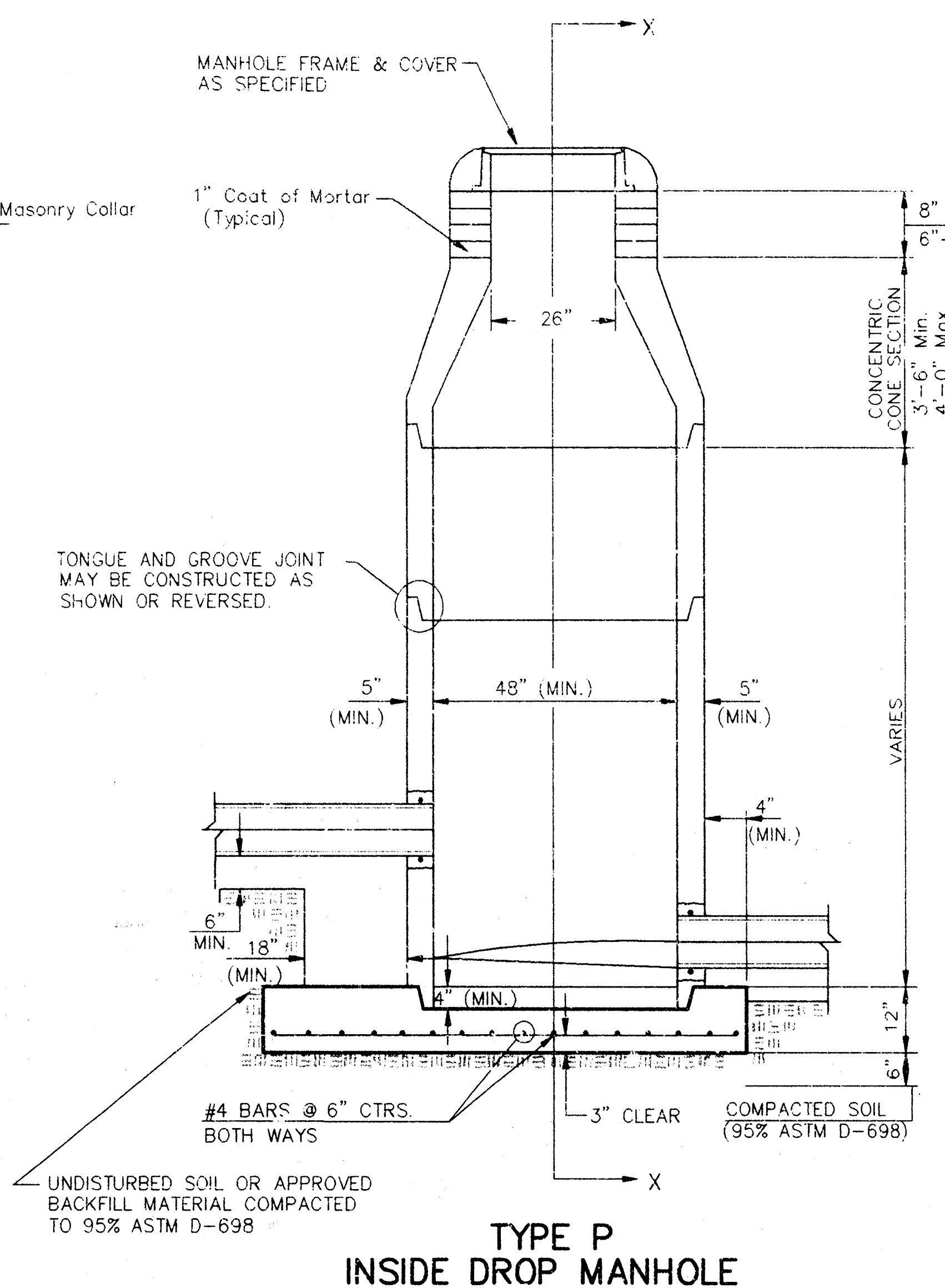
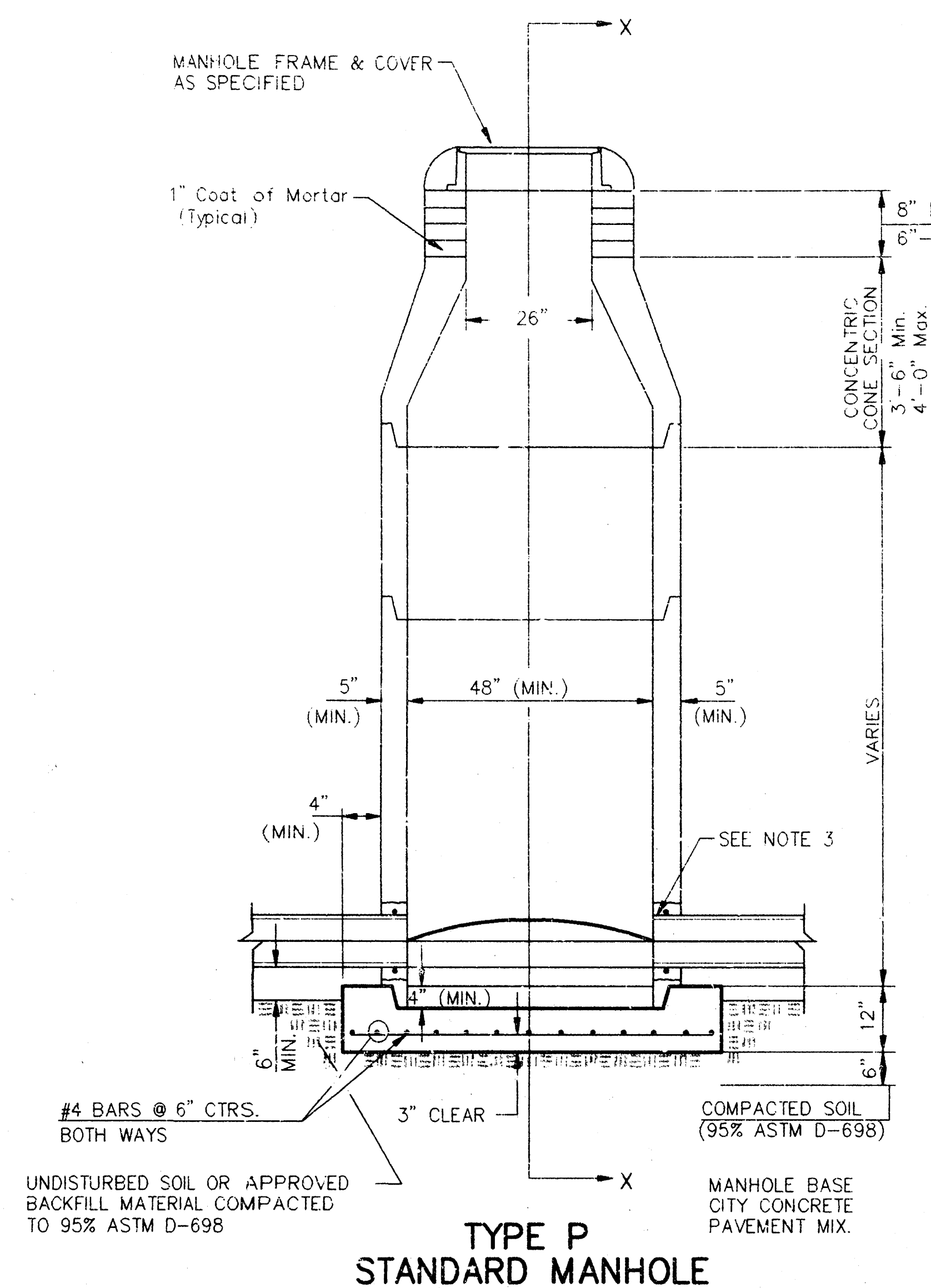


SCALE:
1" = 40' HORIZONTAL
1" = 5' VERTICAL
• = IRON



Westwind 5th Addition - Sanitary Sewer					
Lat. 34 Main 15					
Southwest Interceptor					
BAUGHMAN COMPANY P. A.					
ENGINEERING, SURVEYING, & PLANNING					
316-282-7271 • 315-6115 • WICHITA, KANSAS 67211					
PROJECT NUMBER					
488-76-245-82598-000-001					
DESIGN	DRAWN	APPROVED	DATE	SCALE	SHEET
9/7/95	07/1/95		10/95	Noted	2 OF 5

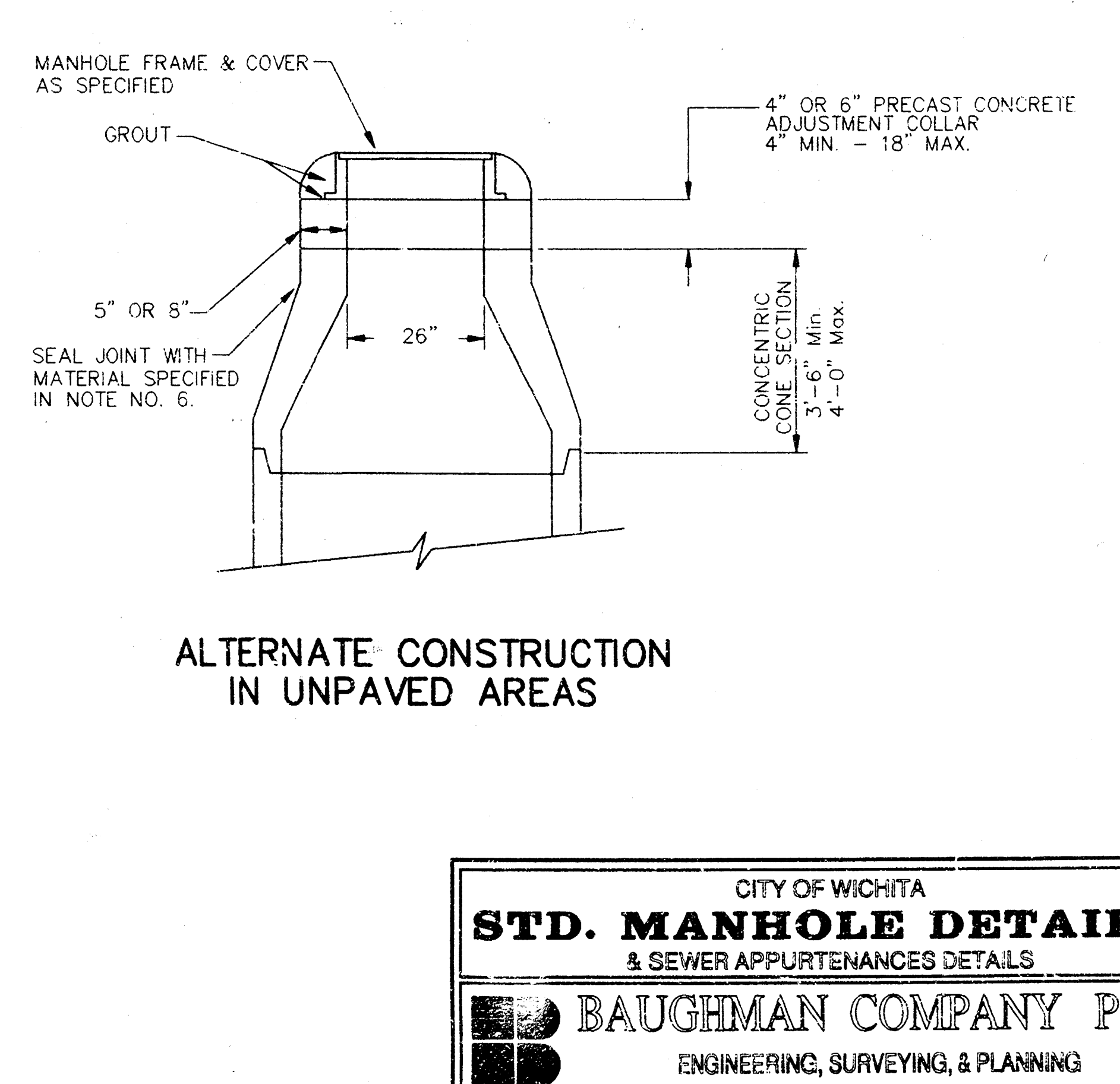
SEWER APPURTENANCES DETAILS



- 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 SHALL BE GROUTED IN PLACE WITH NON-SHRINK GROUT. 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 INEMEC SERIES 66 HI-BUILD EPOXOLINE, 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 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 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 FLOOR, SHALL BE PAID FOR AT THE UNIT PRICE CONSTRUCTED ON EXISTING.
- THE FLOORS OF ALL MANHOLES SHALL BE MODIFIED TO FORM NEW FLOW CHANNEL FOR THE NEW CONNECTION AS INDICATED BY THE DRAWING. THIS WORK, INCLUDING MODIFICATION OF FLOOR, SHALL BE PAID FOR AT THE UNIT PRICE CONSTRUCTED ON EXISTING.
- PIPES INSTALLED WITHIN THE EXCAVATION OR THE MANHOLE SHALL BE GRADED 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.



CITY OF WICHITA
STD. MANHOLE DETAILS
& SEWER APPURTENANCES DETAILS

BAUGHMAN COMPANY P. A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67201

PROJECT NUMBER
468-78-245-82539-000-001

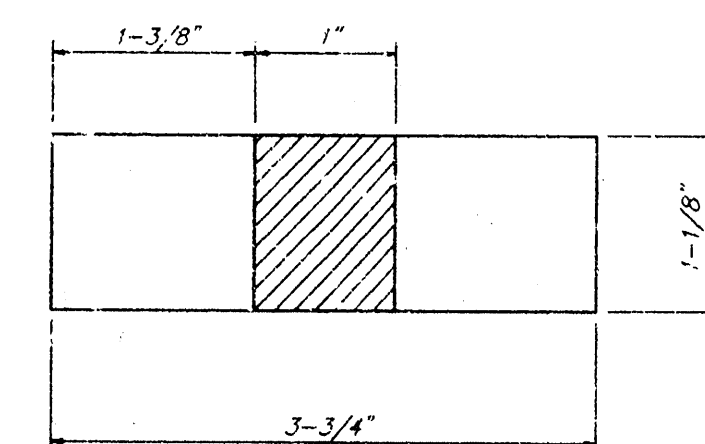
DESIGN: C.D.W. DRAWN: Staff APPROVED: DATE: 10/95 SCALE: None

SHEET **3** OF **5**

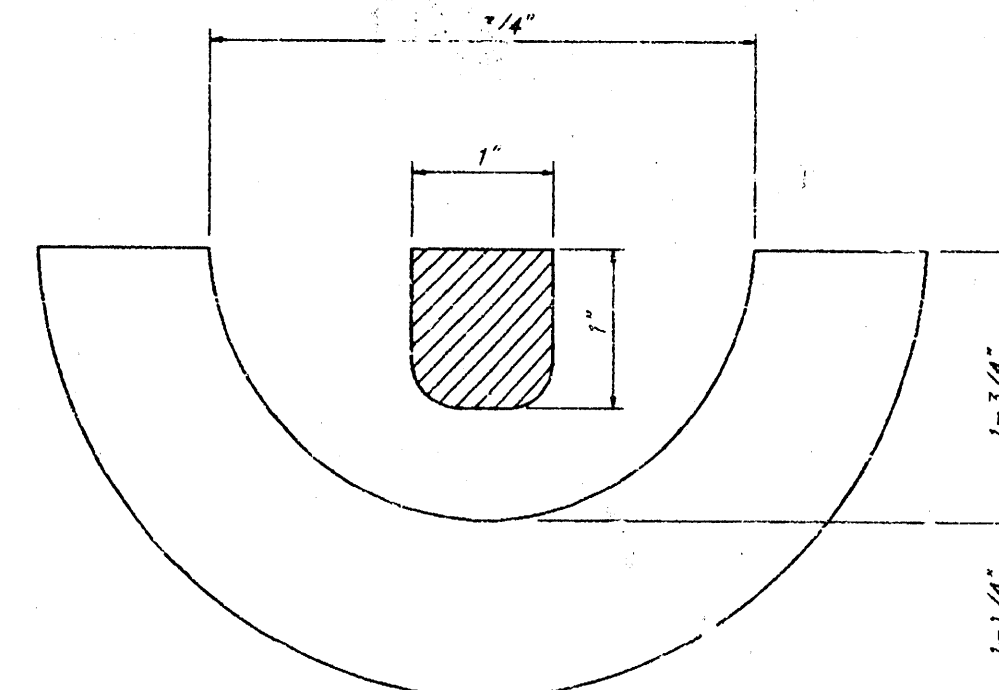
ADOPTED AS STANDARD DESIGN BY
CITY OF WICHITA, KANSAS



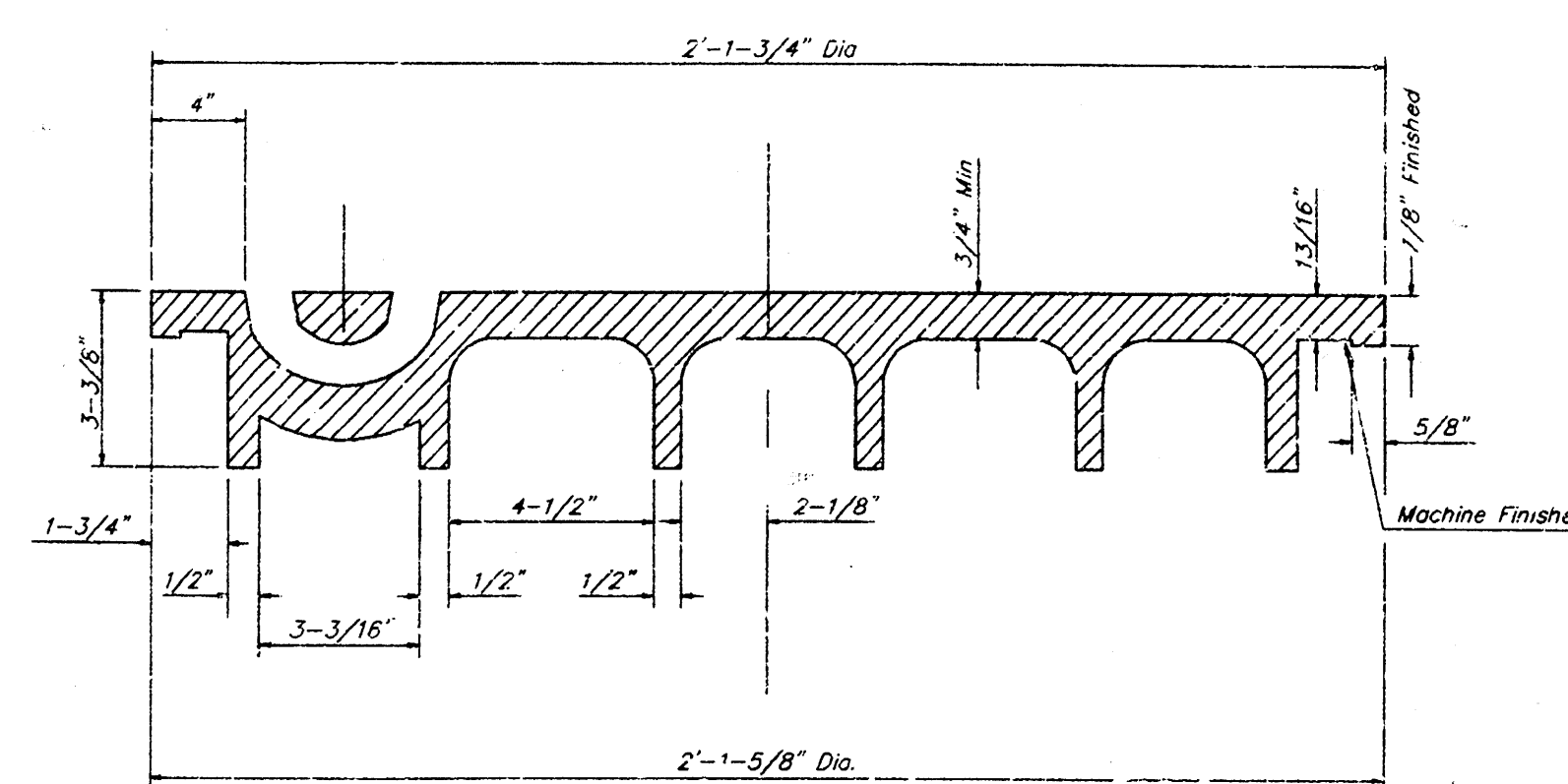
TOP VIEW



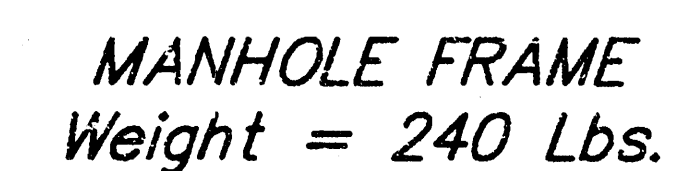
TOP VIEW



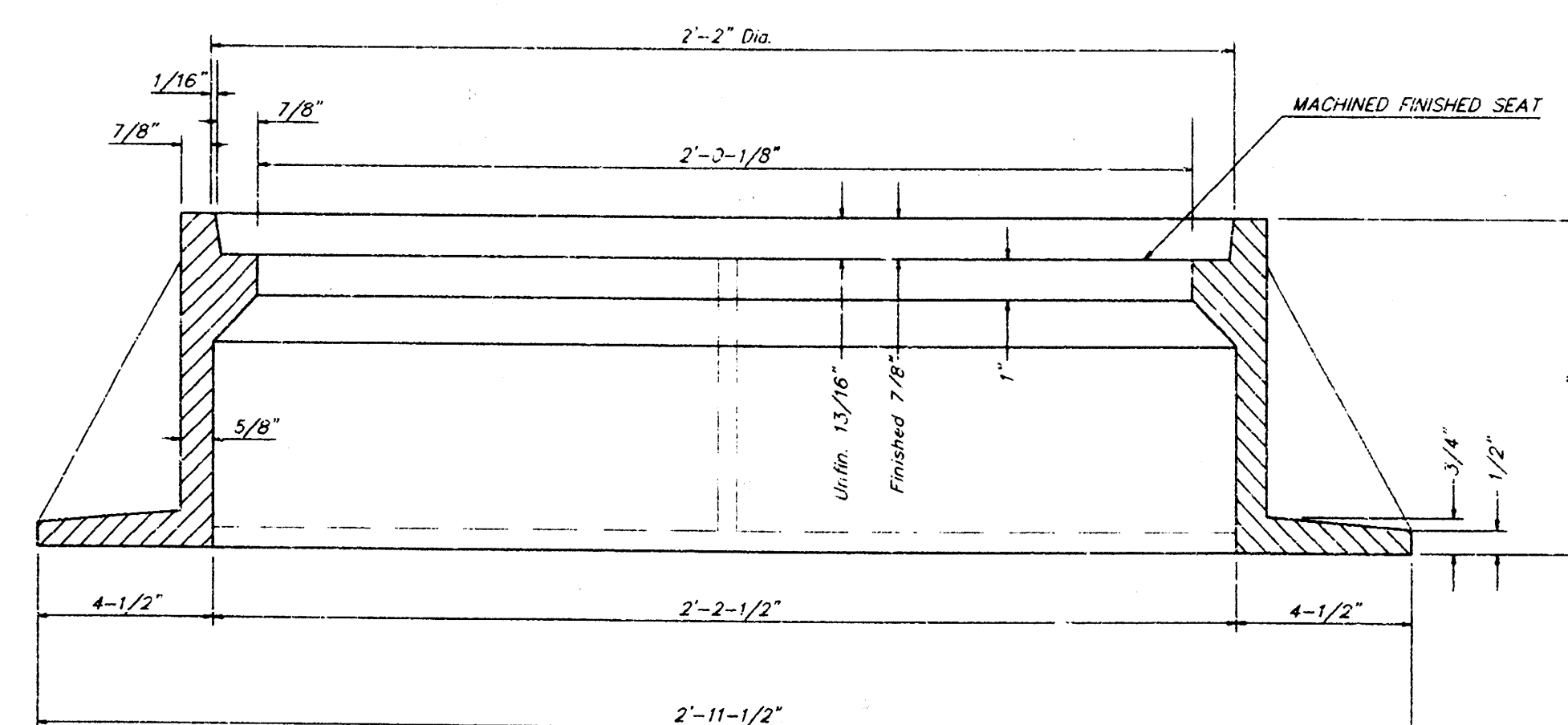
SECTION VIEW



SECTION VIEW



TOP VIEW



SECTION A-A

MANHOLE CASTINGS SHALL BE MANUFACTURED USING GOOD QUALITY GRAY IRON CONFORMING TO CLASS 30 OF ASTM. DESIGN DIMENSIONS AND WEIGHTS SHOWN ON THE DETAILED DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS. ALL CASTINGS SHALL BE 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.

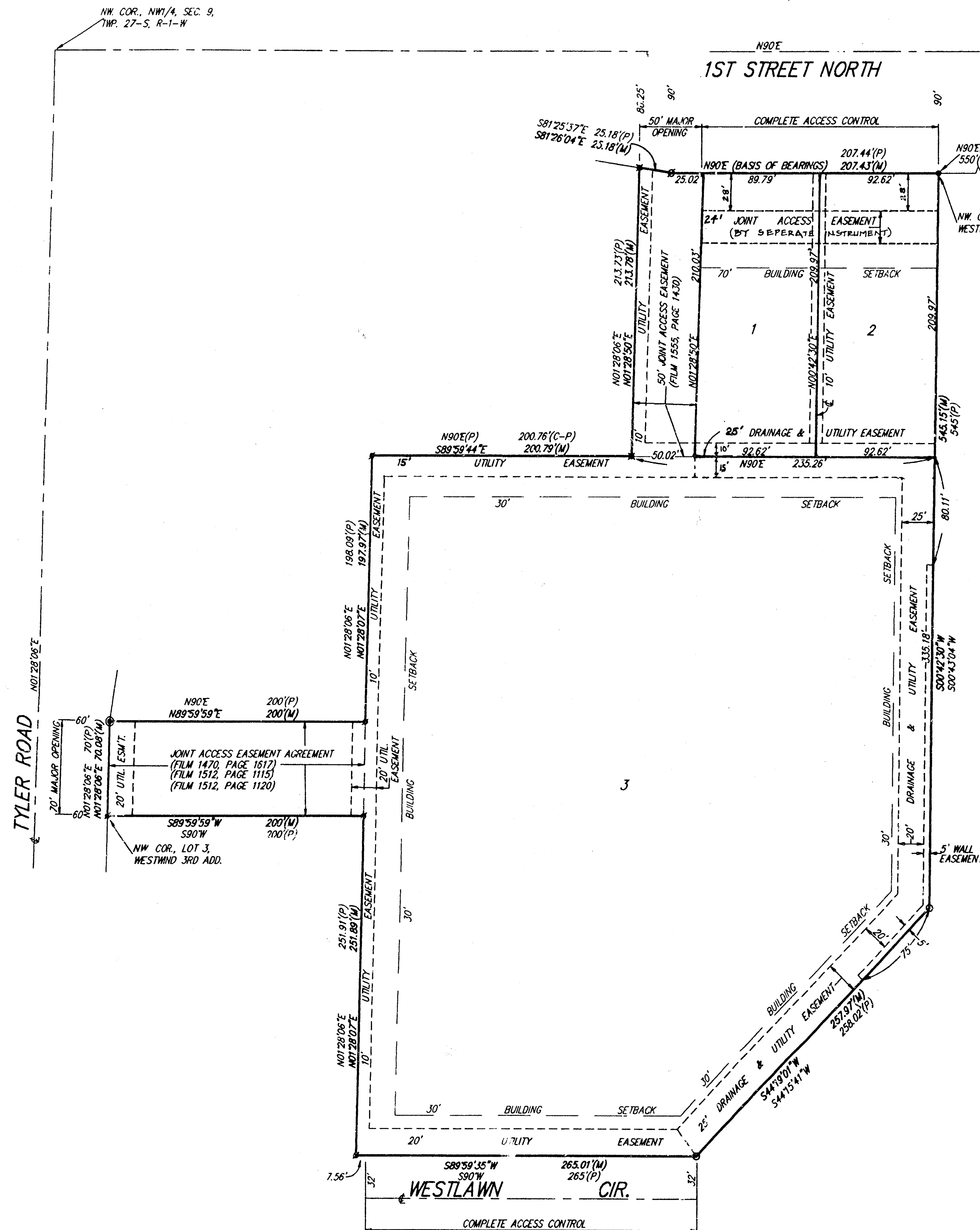
THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE FRAME SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AND THE CIRCUMFERENCE OF THE COVER, THE SEATING SURFACES BETWEEN THE 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.

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 PREVENT ANY LETTERING FROM BEING CAST INTO ANY OF THE 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 & COVER Detail - City of Wichita Standard Design	
 BAUGHMAN COMPANY P. A. ENGINEERING, SURVEYING, & PLANNING 316-262-7271 • 516 E. Ellis • WICHITA, KANSAS 67201	
PROJECT NUMBER 488-78-245-9259-000-000-001	
DESIGN G.W.	DRAWN Staff
APPROVED [Signature]	DATE 11/9/94
SCALE 1" = 4' - 0"	
SHEET 4 5	

WESTWIND 5TH ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



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 "WESTWIND 5TH 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 Lot 4, Westwind 3rd
Addition, Wichita, Kansas.

Existing public easements and dedications being vacated by virtue
of K.S.A. 12-512(b).

All being situated in the NW1/4 of Sec. 9, Twp. 27-S, R-1-W of
the 6th P.M., Sedgwick County, Kansas.

Baughman Co., P.A.

Gregory F. Severns 10-4-95 Surveyor

Know all men by these presents that we,
the undersigned, have caused the land in the surveyors certificate to
be platted into Lots to be known as "WESTWIND 5TH ADDITION", Wichita,
Sedgwick County, Kansas. The utility easements are hereby granted as
indicated for the construction and maintenance of all public utilities. The
drainage and utility easements are hereby granted as indicated for drainage
purposes and for the construction and maintenance of all public utilities.
The wall easements are hereby granted as indicated for the construction
and maintenance of a private wall and utilities shall be allowed to cross
these easements. All abutters rights of access to or from 21st Street
North over and across the north line of Lots 1 and 2 are hereby granted to
the City of Wichita, Kansas. All abutters rights of access to or from
Westlawn Cir. over and across the south line of Lot 3 EXCEPT the West
7.56 feet thereof are hereby granted to the City of Wichita, Kansas.

Jerry D. Newman

Kenneth L. Reichenberger Mary Ellen Reichenberger
Kenneth L. Reichenberger Mary Ellen Reichenberger

State of Kansas) SS The foregoing instrument acknowledged be-
fore me, this 4th day of OCTOBER, 1995, by Jerry D.
Newman, a single person.

My App't. Exp. 5/5/97 Philip J. Meyer Notary Public

State of Kansas) SS The foregoing instrument acknowledged be-
fore me, this 4th day of OCTOBER, 1995, by Kenneth L.
Reichenberger and Mary Ellen Reichenberger, husband and wife.

My App't. Exp. 5/5/97 Philip J. Meyer Notary Public

We, the undersigned, holders of a mortgage
on the above described property, do hereby consent to this plat of
"WESTWIND 5TH ADDITION", Wichita, Sedgwick County, Kansas.

The Mission Bank

By: Glen W. Porter, Vice President
Glen W. Porter

State of Kansas) SS The foregoing instrument acknowledged be-
fore me, this 10th day of October, 1995, by
Glen W. Porter, Vice President, of The Mission Bank, on behalf
of the bank.

Carol Ann Burtis Notary Public
My App't. Exp. 10/18/99

This plat of "WESTWIND 5TH ADDITION", Wichita,
Sedgwick County, Kansas has been submitted to and approved by
the Wichita-Sedgwick County Metropolitan Area Planning Comm-
ission, Wichita, Kansas.
Dated this 31st day of August, 1995.
Wichita-Sedgwick County Metropolitan Area Planning Commission

John W. McKay, 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 24th day of OCTOBER, 1995.

Bob Knight Mayor

Pat Burnett Deputy City Clerk

Entered on transfer record this day
1995.

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 day
of 1995, at o'clock M, and is duly
recorded.

Pat Kettler Register of Deeds

Ed Resa Deputy