

Lateral 316, S.W.I. Sanitary Sewer Extensions To Serve

KESSLER ADDITION

Project No.

468-76-245-82270-000-000-001

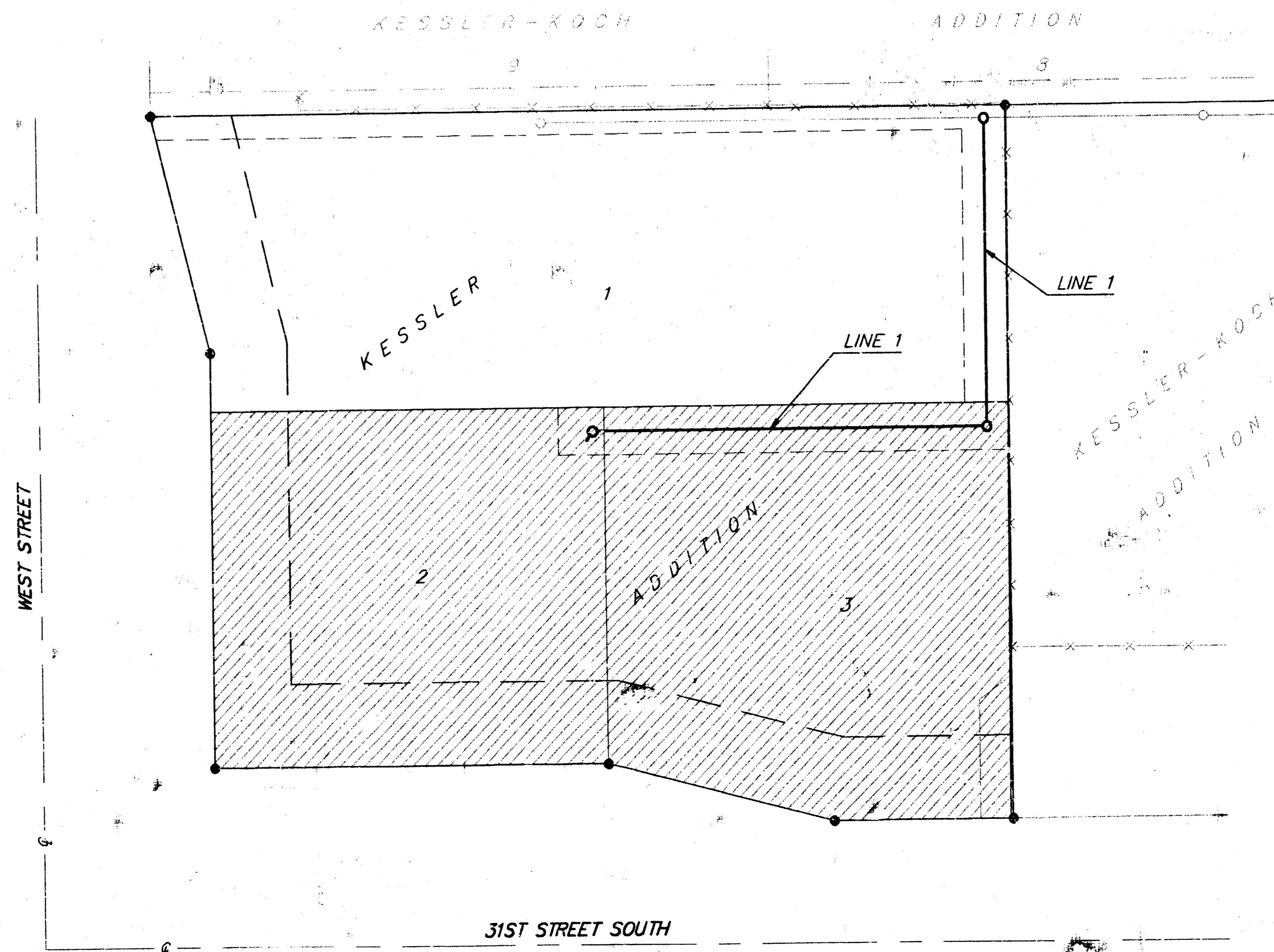
CITY OF WICHITA, KANSAS

Michael E. Lindebak City Engineer

Index Code : 741660

General Notes

1. 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.
2. 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.
3. 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.
4. 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.
5. Contractor shall grade the sanitary sewer alignment to the profile and elevations shown on each sanitary sewer plan. All costs for grading shall be paid as lump sum easement grading.



Booked
JKB
As Per Plan
3-14-01

Index

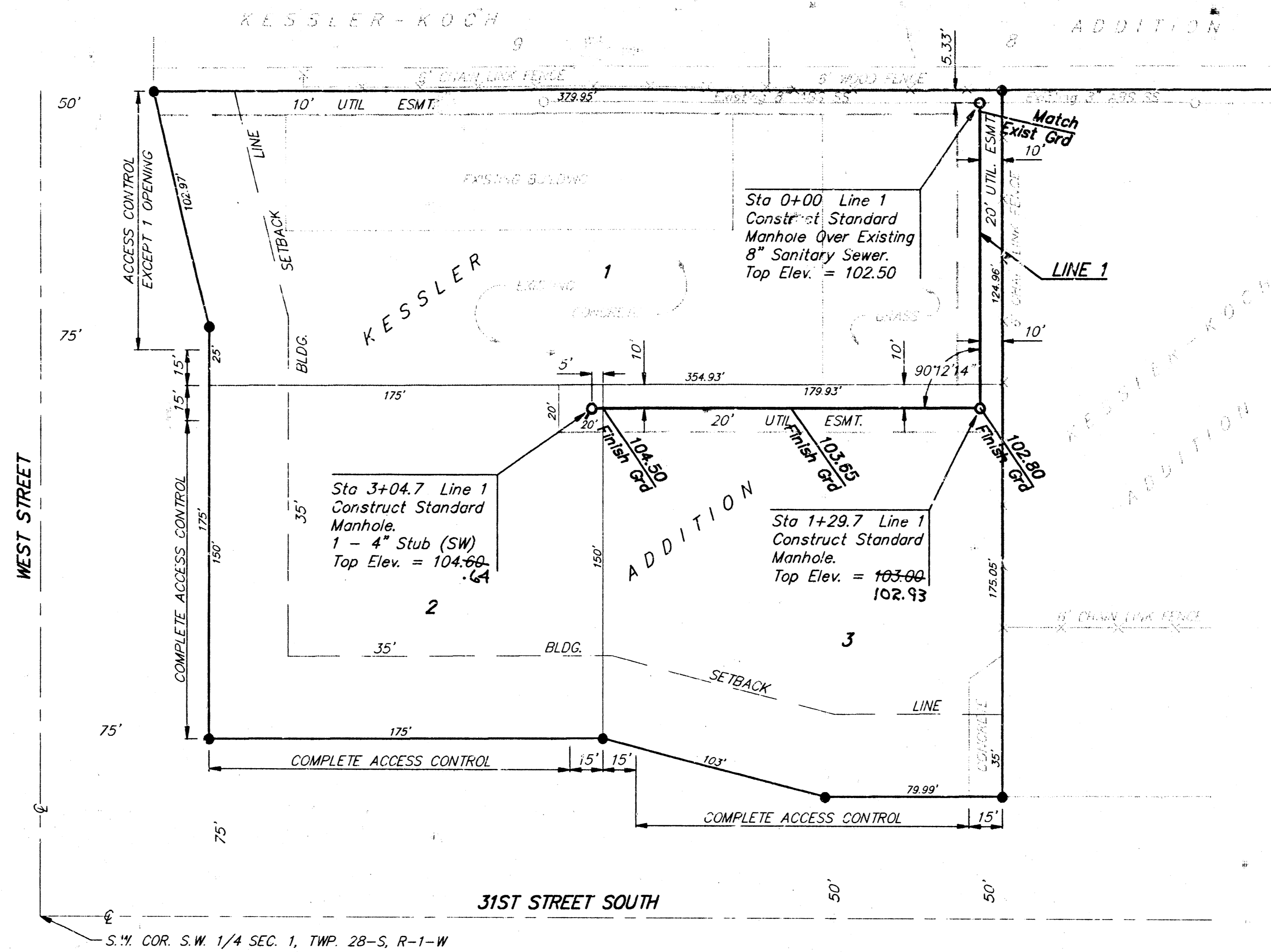
1. Title Sheet
2. Plan/Profile Sheet
3. Standard Manhole Detail
4. Plot of Kessler Addition



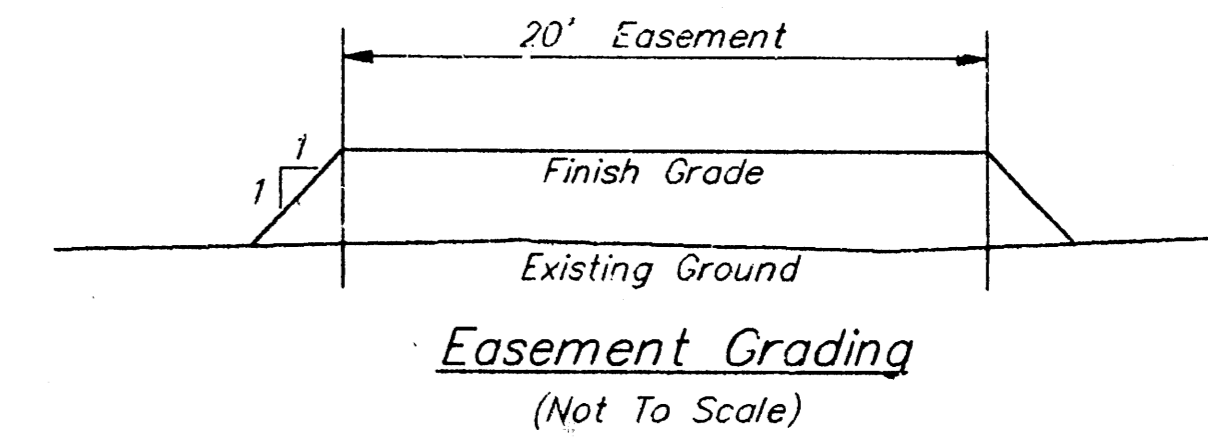
Benefit District

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

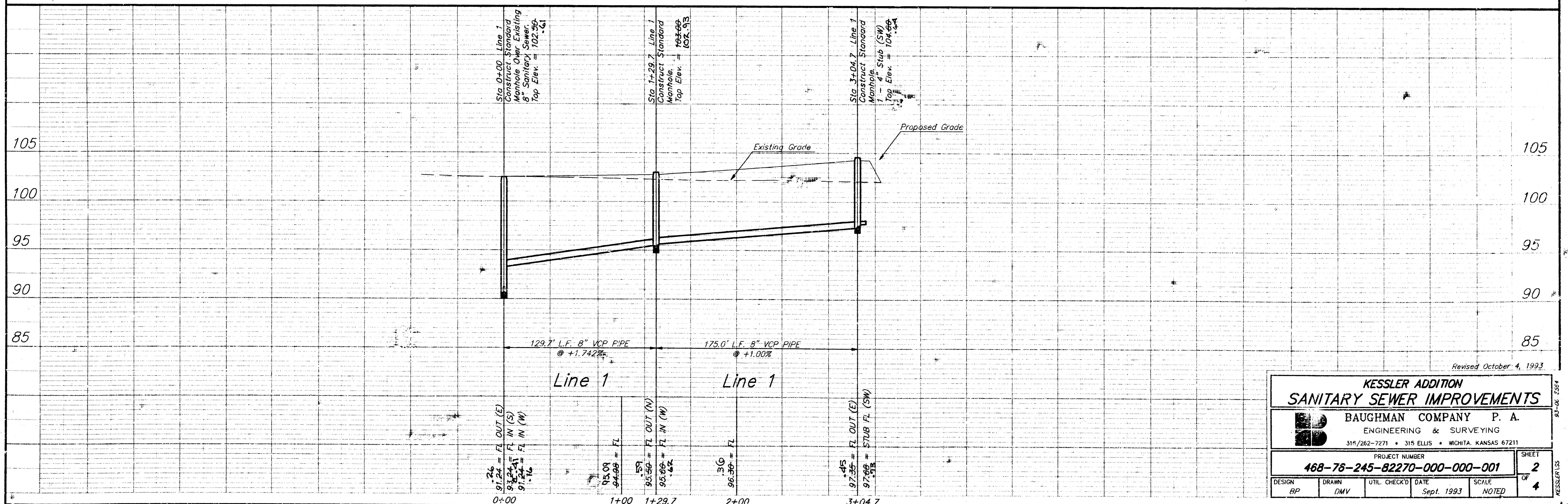
BENCHMARK:
 City Disc Located 53' East and
 44' South of \bar{C} West Street and 31st
 Street South.
 Elevation = 103.47 City Datum



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



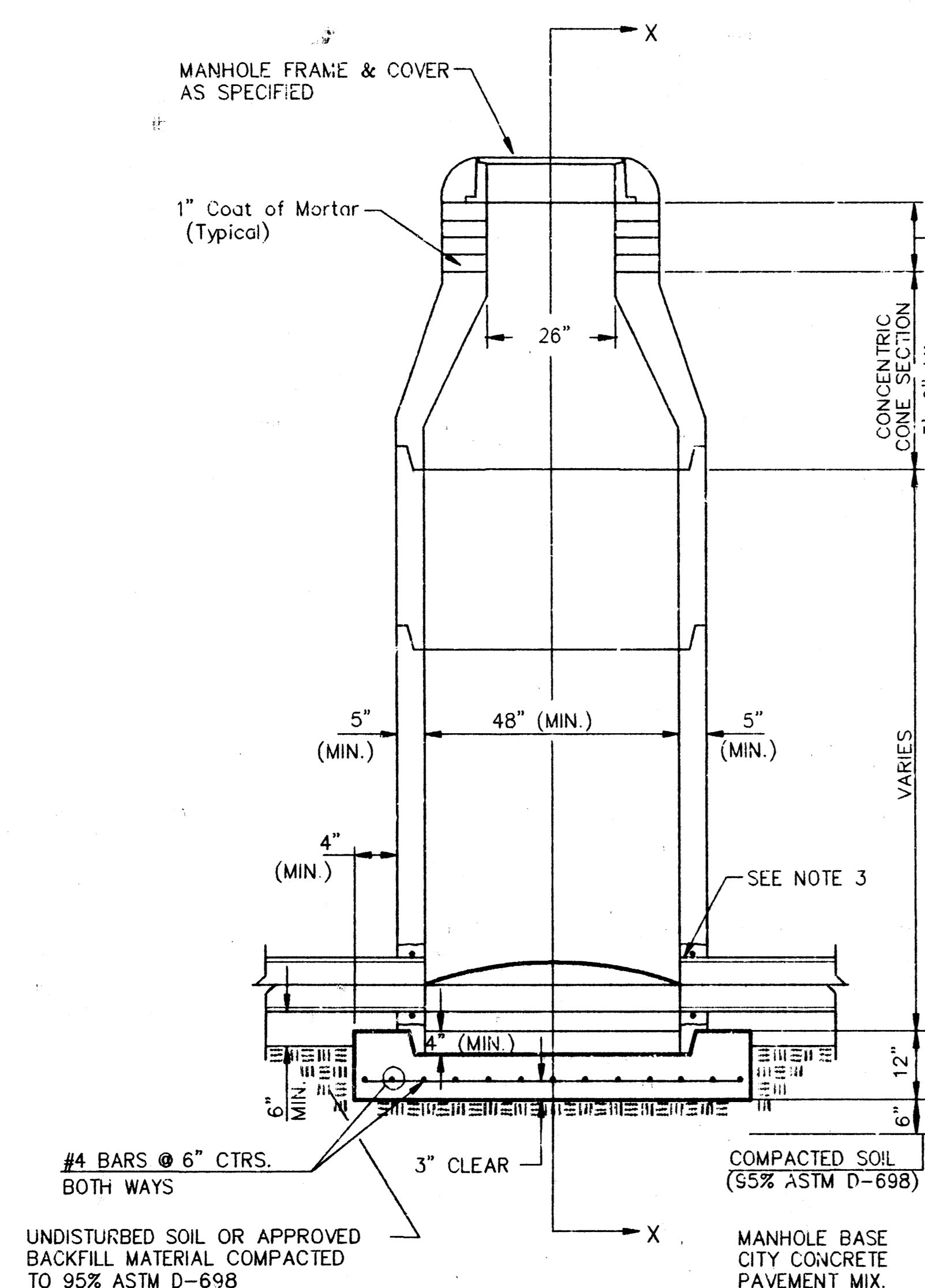
Easement Grading Earthwork
 167 C.Y. Borrow



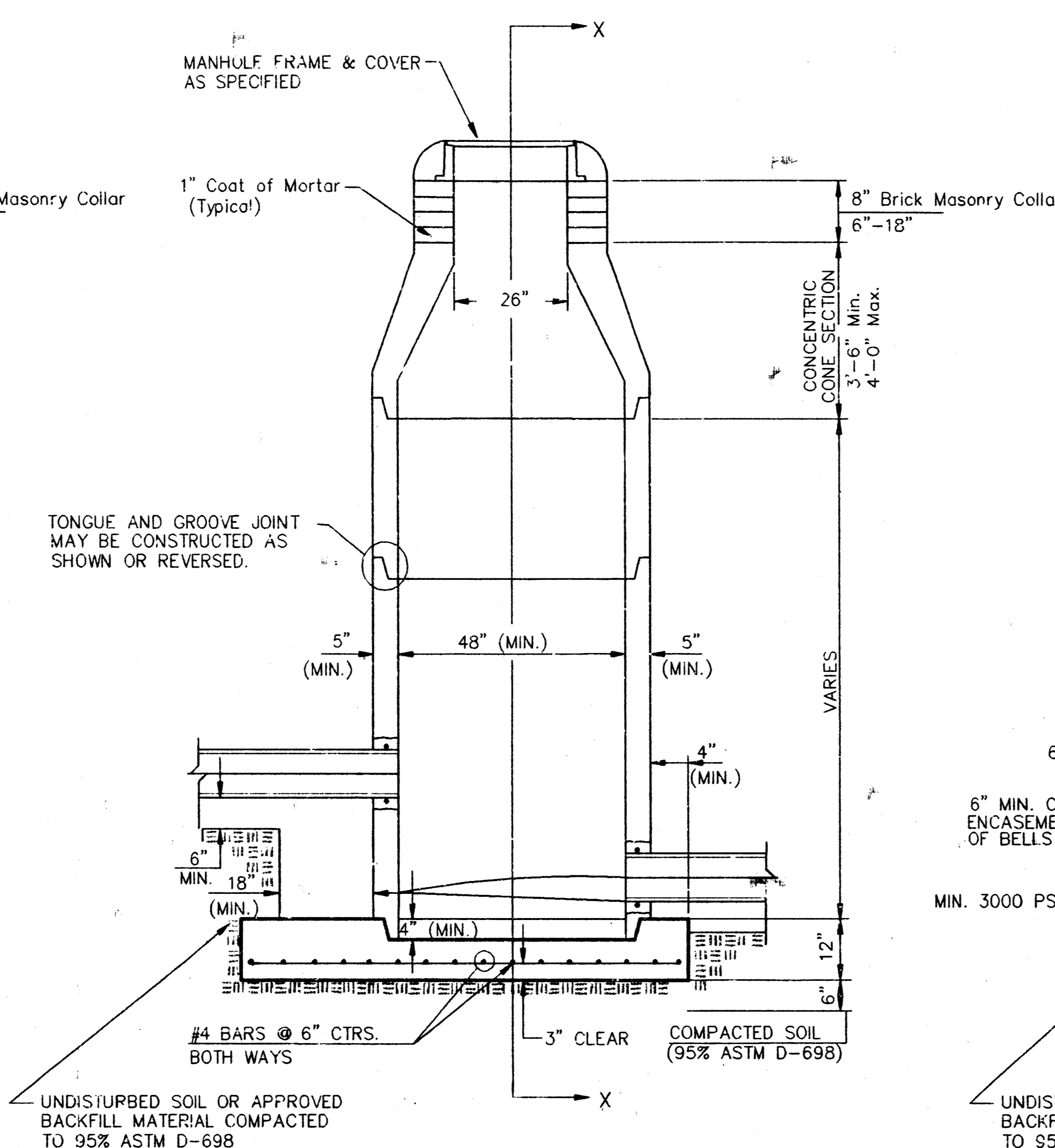
Revised October 4, 1993

KESSELER ADDITION			
SANITARY SEWER IMPROVEMENTS			
BAUGHMAN COMPANY P. A.			
ENGINEERING & SURVEYING			
315/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER			
468-78-245-82270-000-001			
DESIGN	DRAWN	UTIL. CHECK'D	DATE
BP	DMV		Sept. 1993
SCALE			NOTED
SHEET			2
OF			4

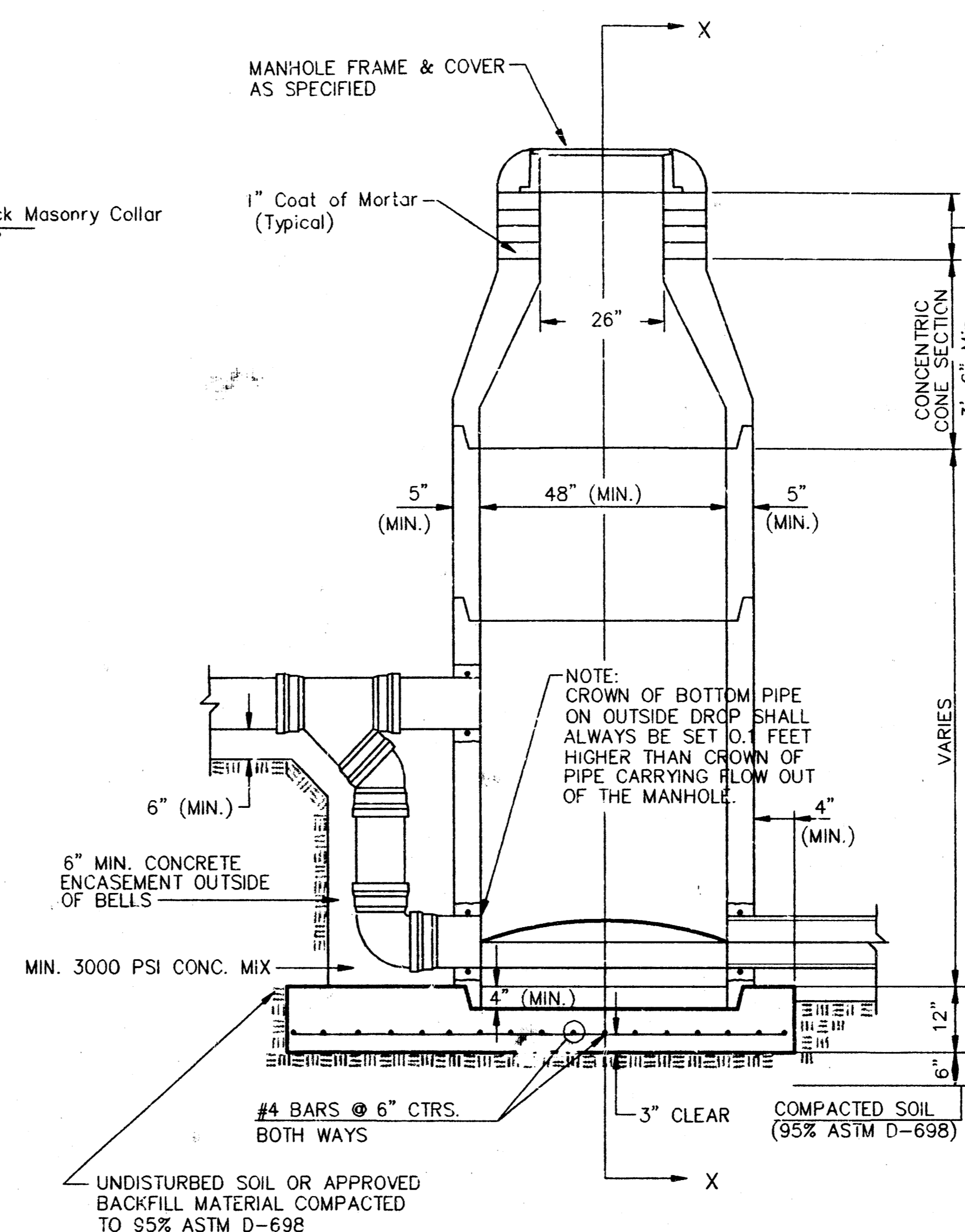
SEWER APPURTENANCES DETAILS



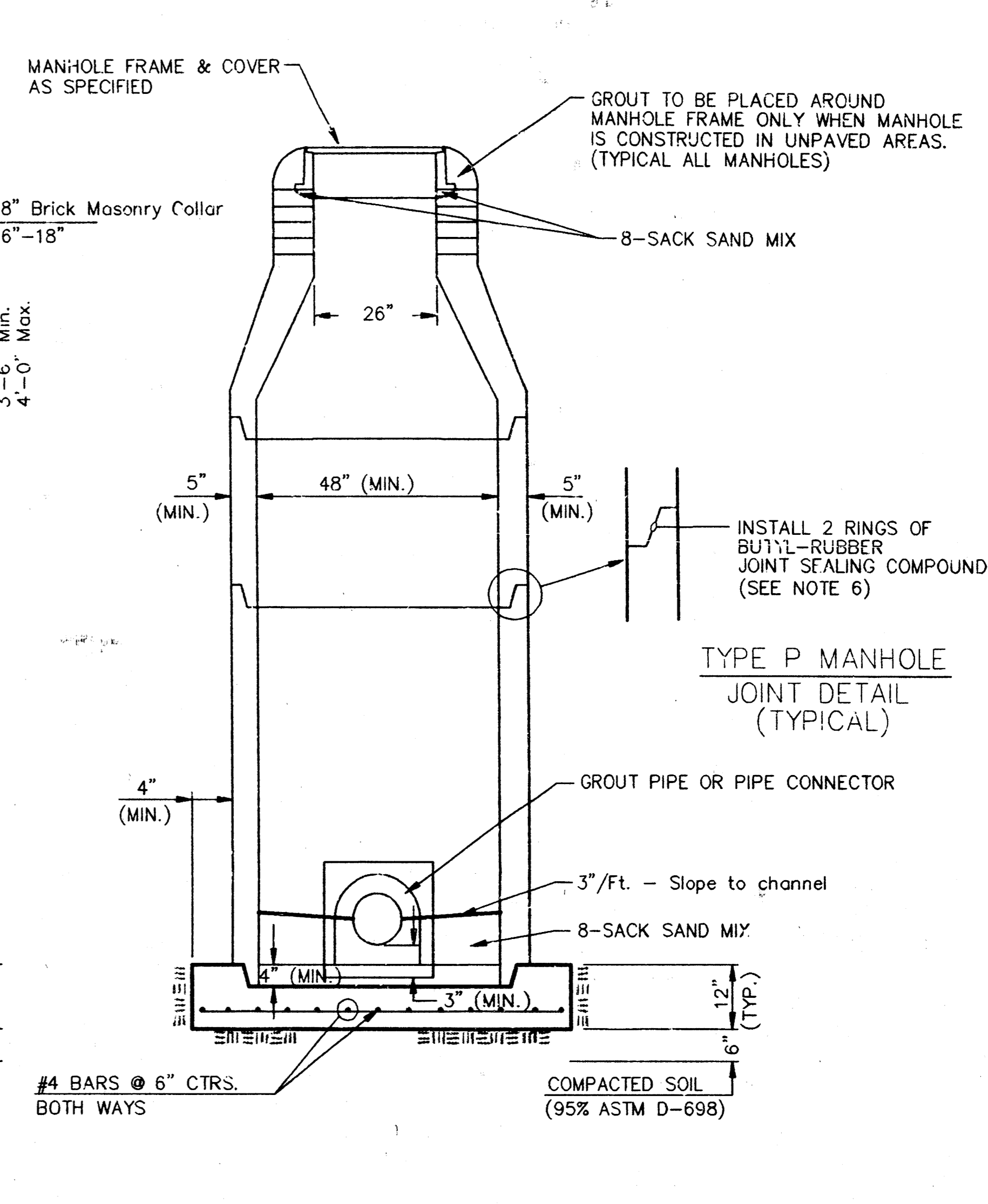
**TYPE P
STANDARD MANHOLE**



**TYPE P
INSIDE DROP MANHOLE**



**TYPE P
OUTSIDE DROP MANHOLE**



**SECTION X
(TYPICAL)**

**GENERAL NOTES
PRECAST MANHOLE NOTES**

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 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 P.V.C. 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 TENEK SERIES 66 HI-BUILD "FOXOLUX", 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, KANSAS
STANDARD MANHOLE DETAILS
SEWER APPURTENANCES DETAILS

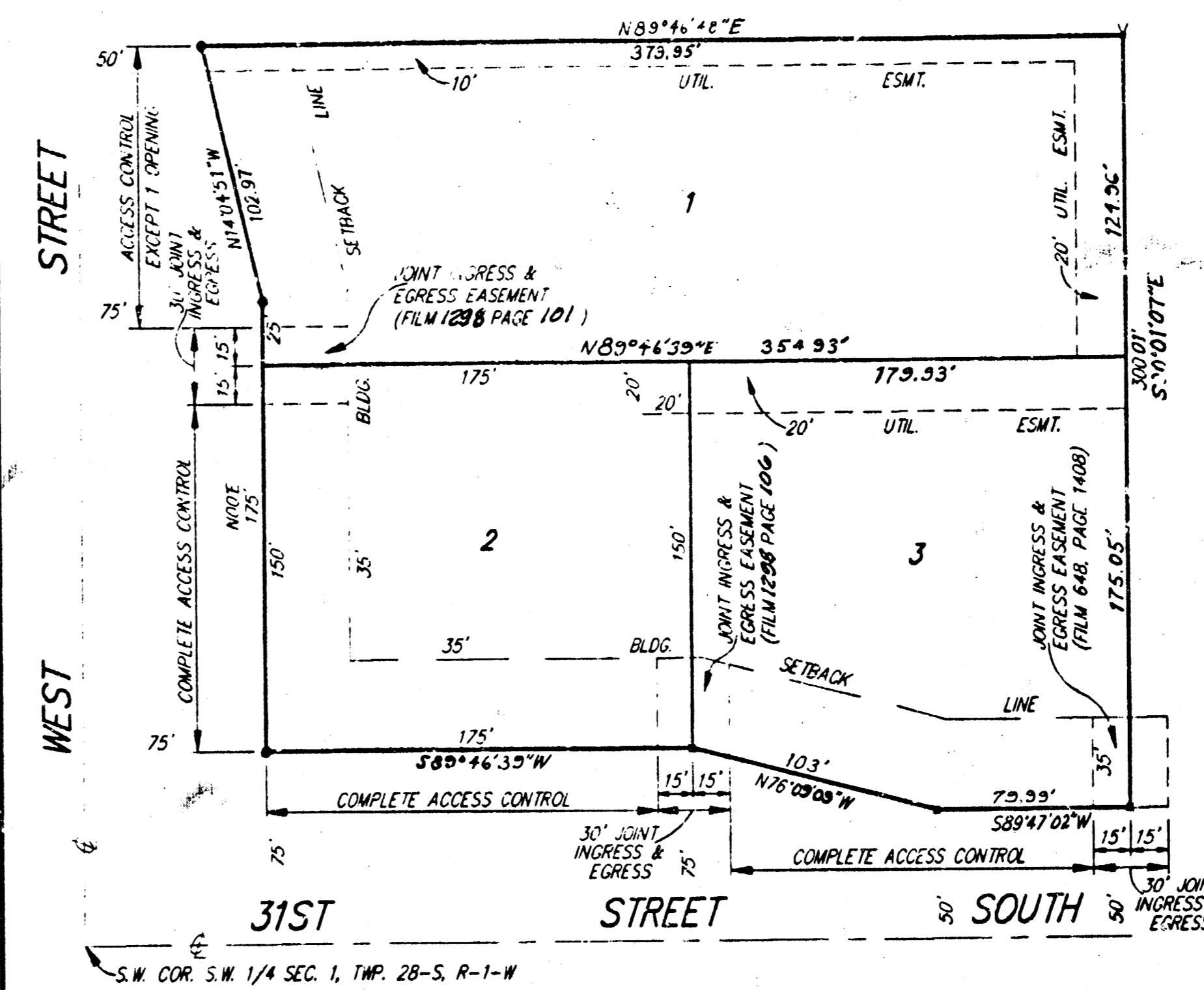
BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
468-76-245-82270-000-001

DESIGN	DR-AM	APPROVED	DATE	SCALE	REV.
					3
					4

KESSLER ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



This plat of "KESSLER ADDITION", Wichita, Sedgwick County, Kansas, has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas. Dated this 5th day of November, 1992. Wichita-Sedgwick County Metropolitan Area Planning Commission.

L. O. Breckenridge, 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 15th day of November, 1992.

Frank M. Dille Mayor
Pat Burnett City Clerk

Entered on transfer record this 21st day of December, 1992.
Don Wright County Clerk

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 21st day
 of DECEMBER, 1992, at 11:30 o'clock A.M., and is duly
 recorded.
Pat Kettler Register of Deeds
Ed Resa Deputy

State of Kansas) SS The foregoing instrument acknowledged be-
 Sedgwick County) fore me, this 30th day of November, 1992, by Margaret K.
 Kessler, a Trustee of the Margaret K. Kessler Revocable Trust dated
 9-7-89, on behalf of the Trust.
Marlin K. Penner Notary Public

State of Texas) SS The foregoing instrument acknowledged be-
 Hunt County) fore me, this 25th day of November, 1992, by Steve P.
 Chadwick and R. Frances Chadwick, husband and wife.
John W. Walker Notary Public

State of Kansas) SS The foregoing instrument acknowledged be-
 Sedgwick County) fore me, this 30th day of November, 1992, by Karl Fred-
 erick Kessler and Phyllis J. Kessler, husband and wife.
Marlin K. Penner Notary Public

State of Kansas) SS We, Baughman Company, P.A., Surveyors in
 Sedgwick County) at aforesaid county and state do hereby certify that we have surveyed
 and platted "KESSLER ADDITION", Wichita, Sedgwick County, Kansas
 and that the accompanying plat is a true and correct exhibit of the
 properly surveyed, described as and being a replat of Lot 10, Block 1,
 Kessler-Koch Addition, Wichita, Sedgwick County, Kansas, except the
 east 170 feet thereof.

All being situated in the SW1/4 of Sec. 1, Twp. 28-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(h).
 Baughman Company, P.A.
 Date 12/1/92 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 to be known as "KESSLER ADDITION",
 Wichita, Sedgwick County, Kansas. The utility easements are hereby
 granted as indicated for the construction and maintenance of all
 public utilities. Access controls as depicted on the face of the plat
 are 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.

The Margaret K. Kessler Revocable
 Trust dated 9-7-89
Margaret K. Kessler Trustee
Steve P. Chadwick Karl Frederick Kessler
 Steve P. Chadwick Karl Frederick Kessler
R. Frances Chadwick Phyllis J. Kessler
 R. Frances Chadwick Phyllis J. Kessler



SCALE: 1" = 60'
 O = IRON
 V = V NOTCH
 * = CROSS

PC 33-5

PC 33-5

K-175