

Sanitary Sewer Extension to Serve
ROBBINS FARM 2ND ADDITION
LATERAL 293, - S.W.I.

INDEX CODE - 740654

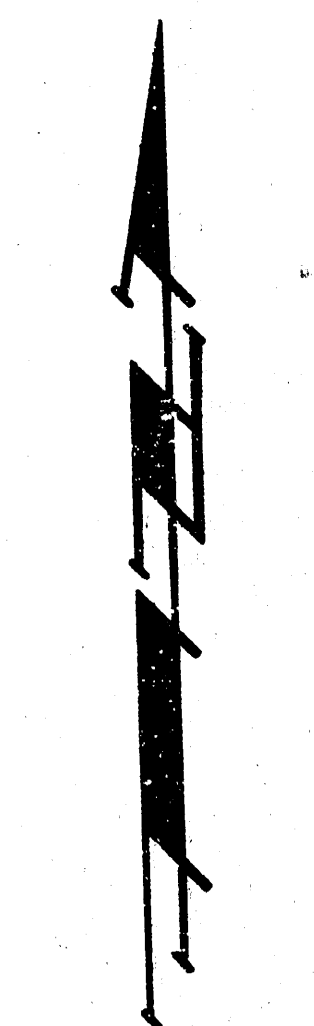
Project No.

468-76-245-82087-000-000-001

City of Wichita, Kansas - Michael E. Lindebak, City Engineer

General Notes

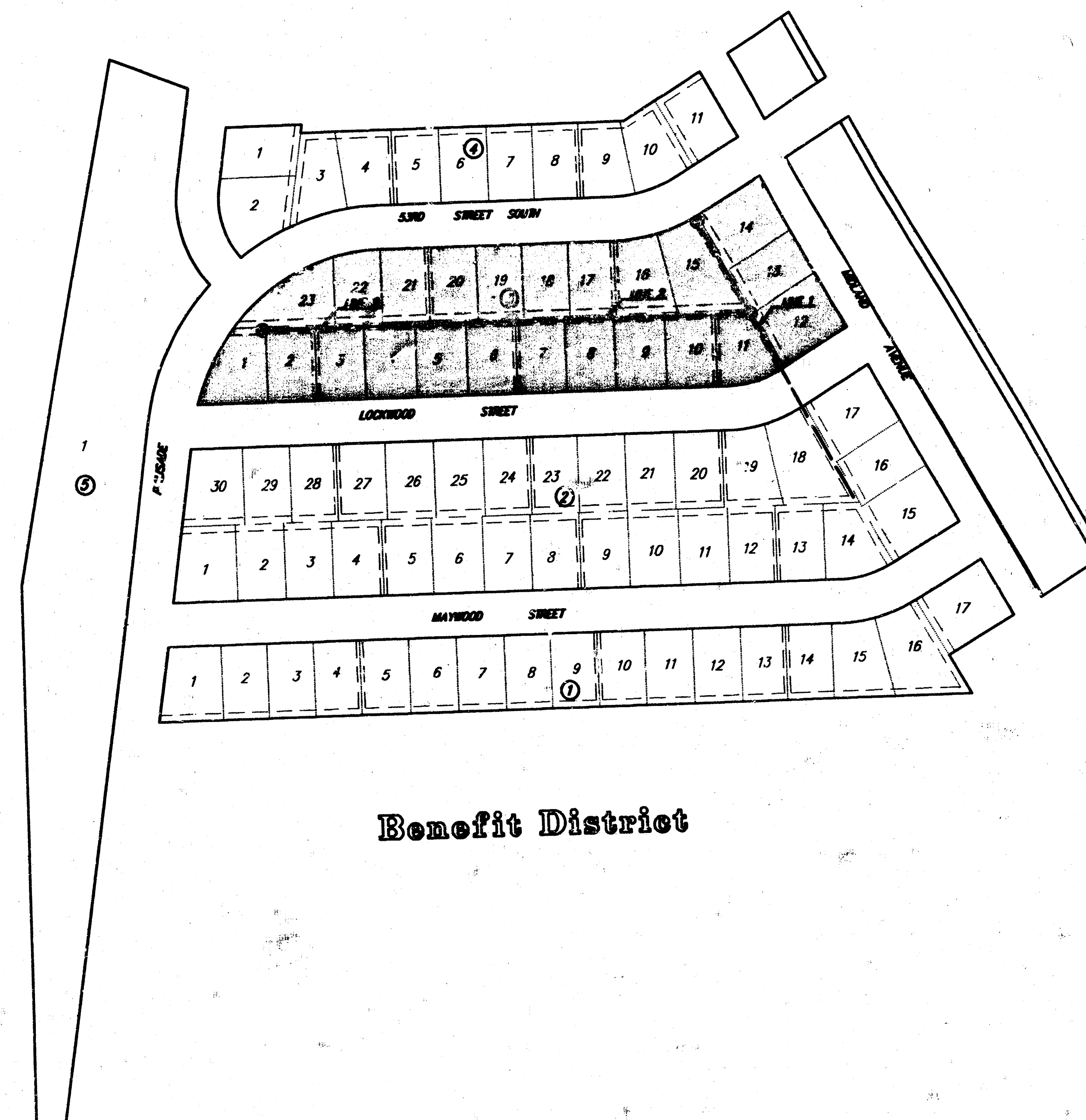
- Underground utility service lines and overhead utility pole lines are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. 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.
- The Contractor shall notify pipeline companies at least 24 hours in advance of any work being performed across and/or adjacent to pipelines.
- 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.
- 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.
- Contractor shall grade the sanitary sewer alignment to the profile and elevation shown on the plans. All cost for grading shall be subsidiary to the project.



Scale: 1" = 150'

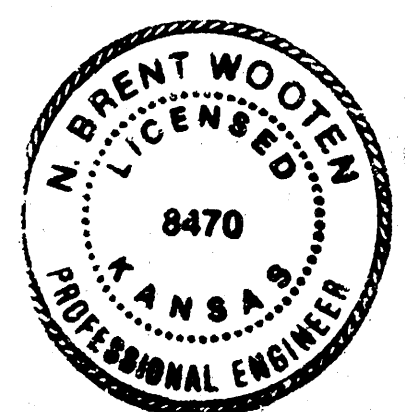
Index

- COVER SHEET
- PLAN AND PROFILE - LINE 1
- PLAN AND PROFILE - LINE 2
- STANDARD MANHOLE DETAIL
- ROBBINS FARM 2ND. PLAT COPY



Benefit District

Boat PER Plan
 RDL
 6-91

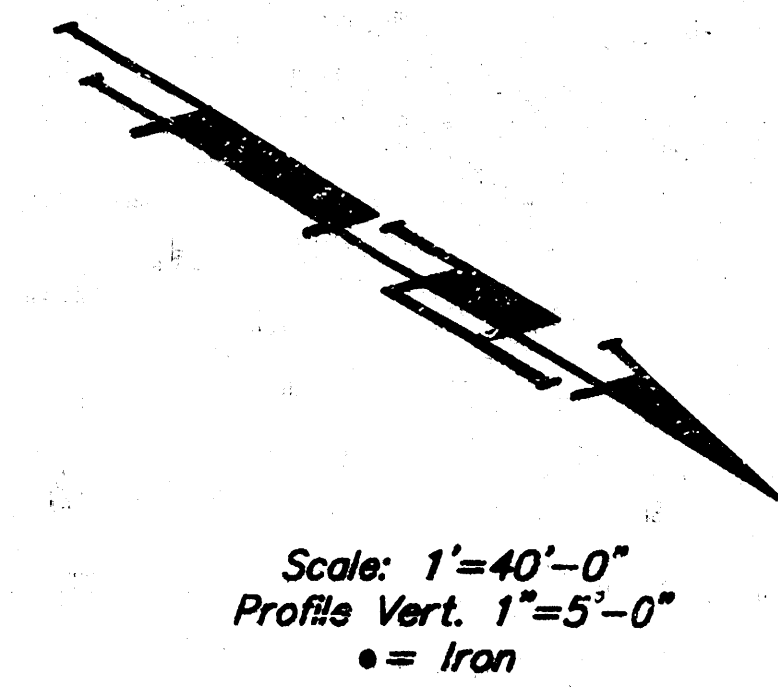
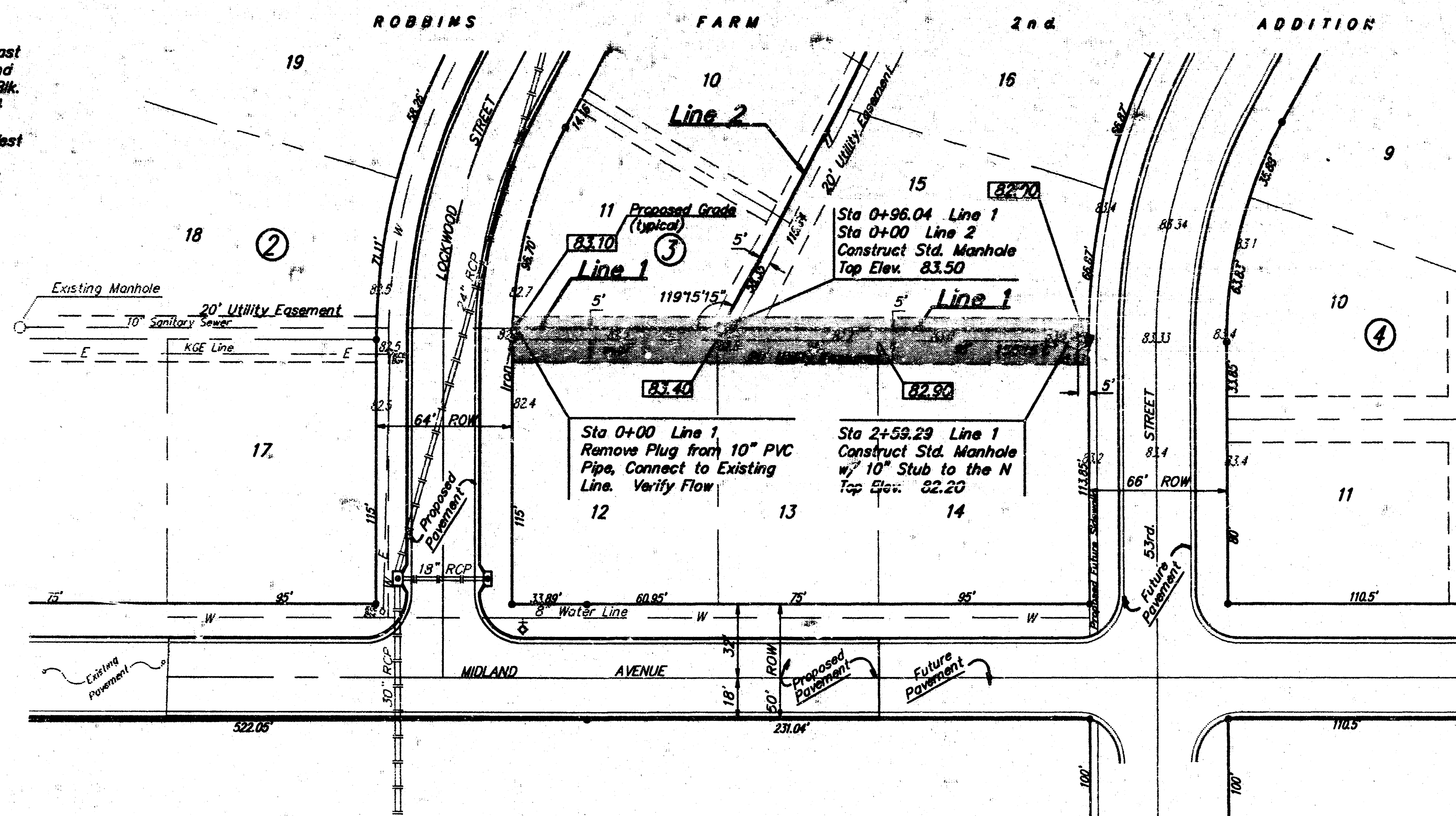


BAUGHMAN COMPANY P. A.
 ENGINEERING & SURVEYING
 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

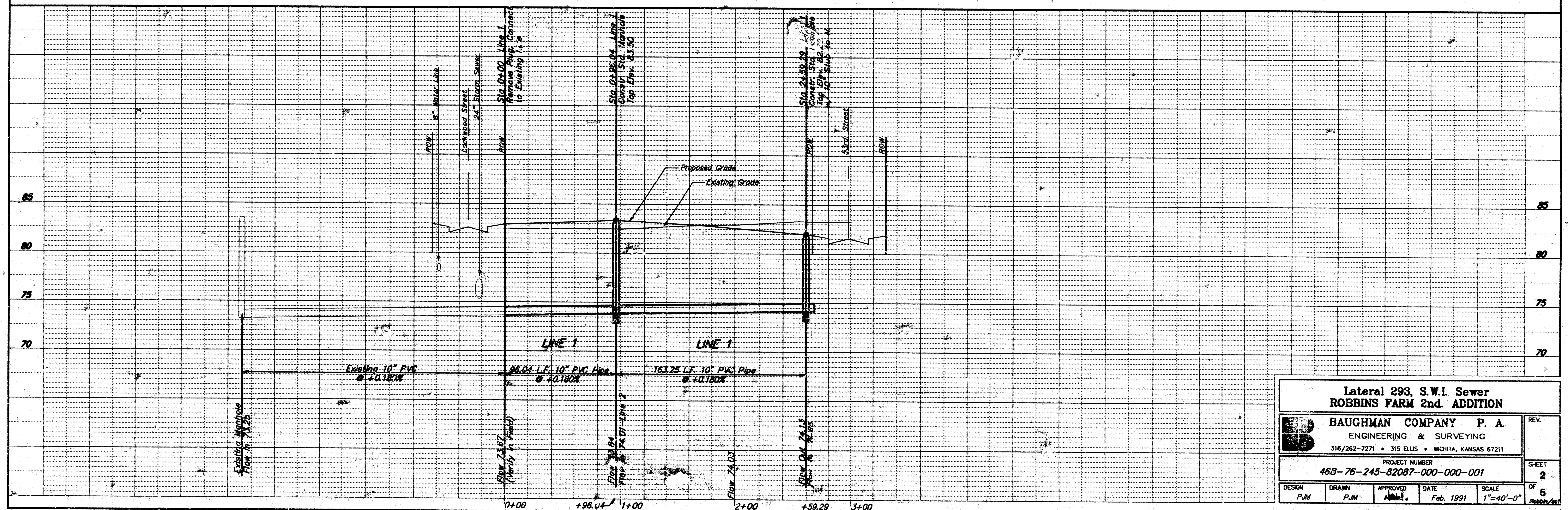
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BENCH MARK: Square Cut in Top of Curb, East Side of Midland Avenue, 15 Feet South of End of Existing Pavement, Across From Lot 16, Blk. 2, Robbins Farm 2nd Addition, Elev. = 82.84

BENCH MARK: Square Cut in Top of Curb, West Side of Palisade, 13 Feet South of End of Existing Pavement, Across From Lot 1, Block 2, Robbins Farm 2nd Addition, Elev. = 83.41



Indicates utility easement area to be graded per proposed plan elevations as shown in the boxes.

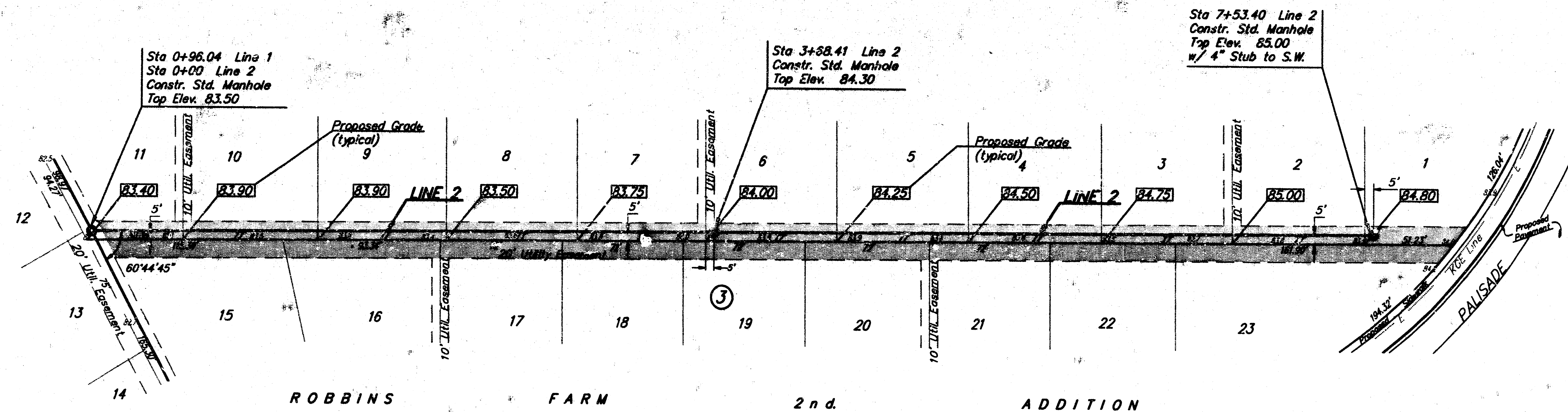


Lateral 293, S.W.I. Sewer ROBBINS FARM 2nd. ADDITION				
BAUGHMAN COMPANY P. A. ENGINEERING & SURVEYING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211				REV.
PROJECT NUMBER 463-76-245-82087-000-000-001				SHEET 2
DESIGN PJM	DRAWN PJM	APPROVED [Signature]	DATE Feb. 1991	SCALE 1"=40'-0"

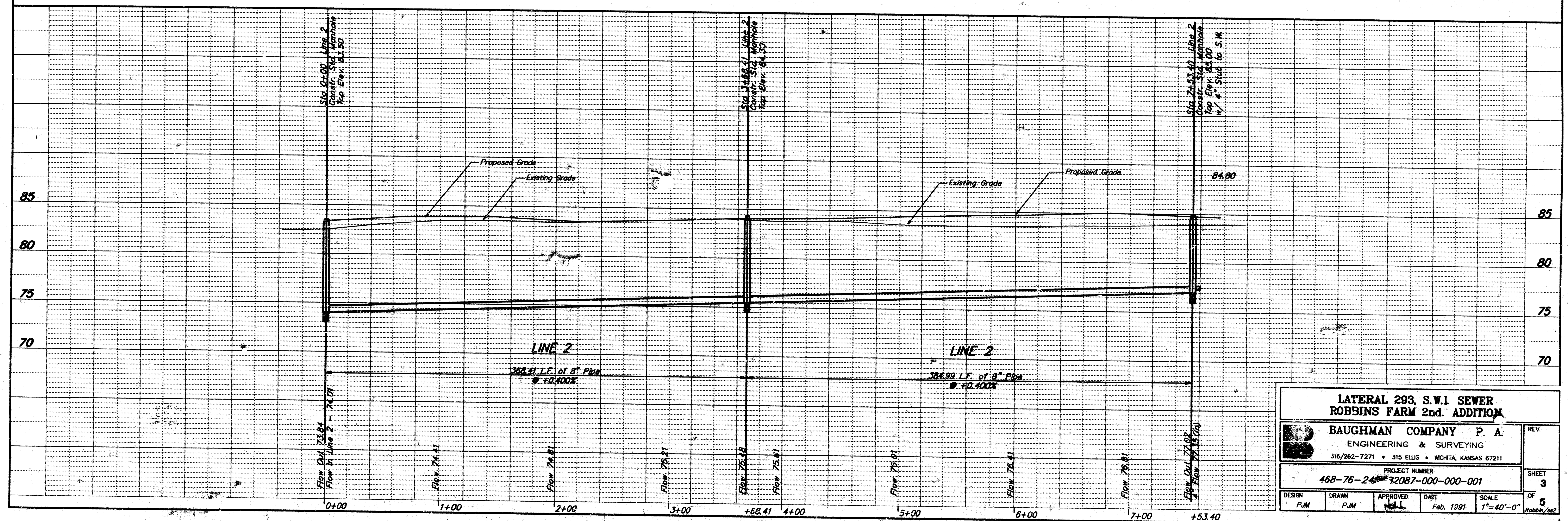
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BENCH MARK: Square Cut in Top of Curb, East Side of Midland Avenue, 15 Feet South of End of Existing Pavement, Across From Lot 16, Blk. 2, Robbins Farm 2nd Addition, Elev. = 82.84

BENCH MARK: Square Cut in Top of Curb, West Side of Palisade, 13 Feet South of End of Existing Pavement, Across From Lot 1, Block 2, Robbins Farm 2nd Addition, Elev. = 85.41



Indicates utility easement area to be graded per proposed plan elevations as shown in the boxes.



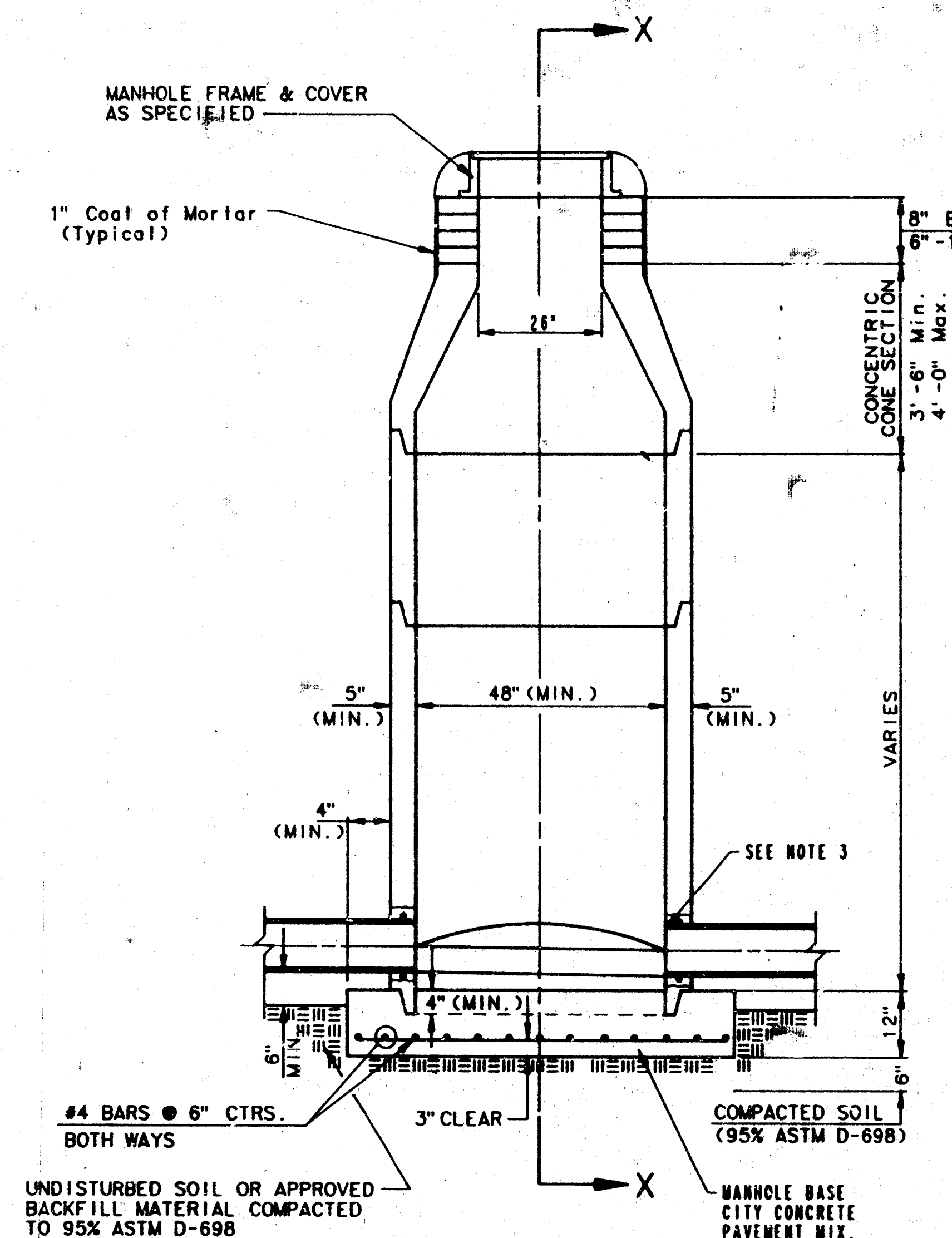
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SEWER APPURTENANCES DETAILS

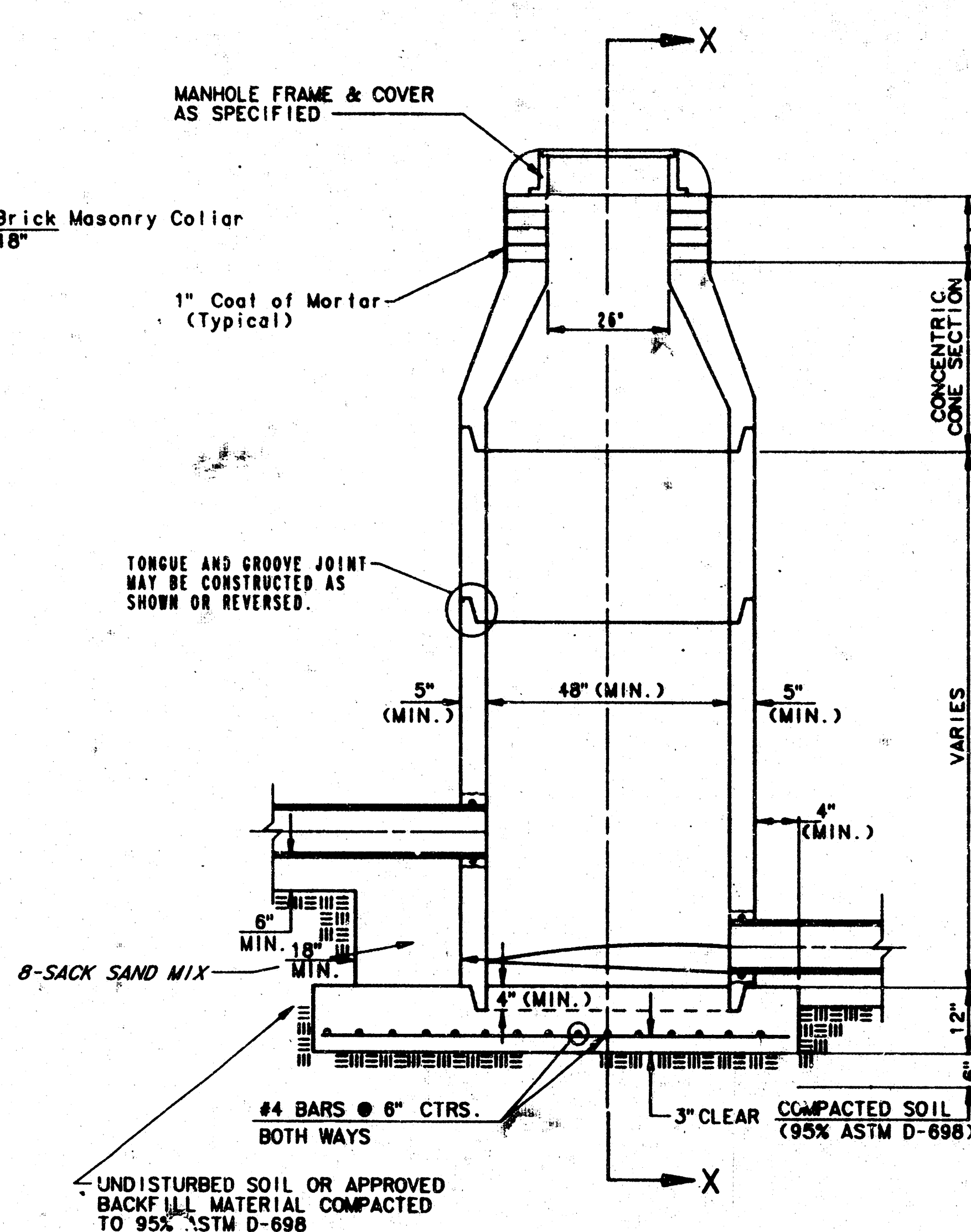
ADOPTED AS STANDARD DESIGN

BY

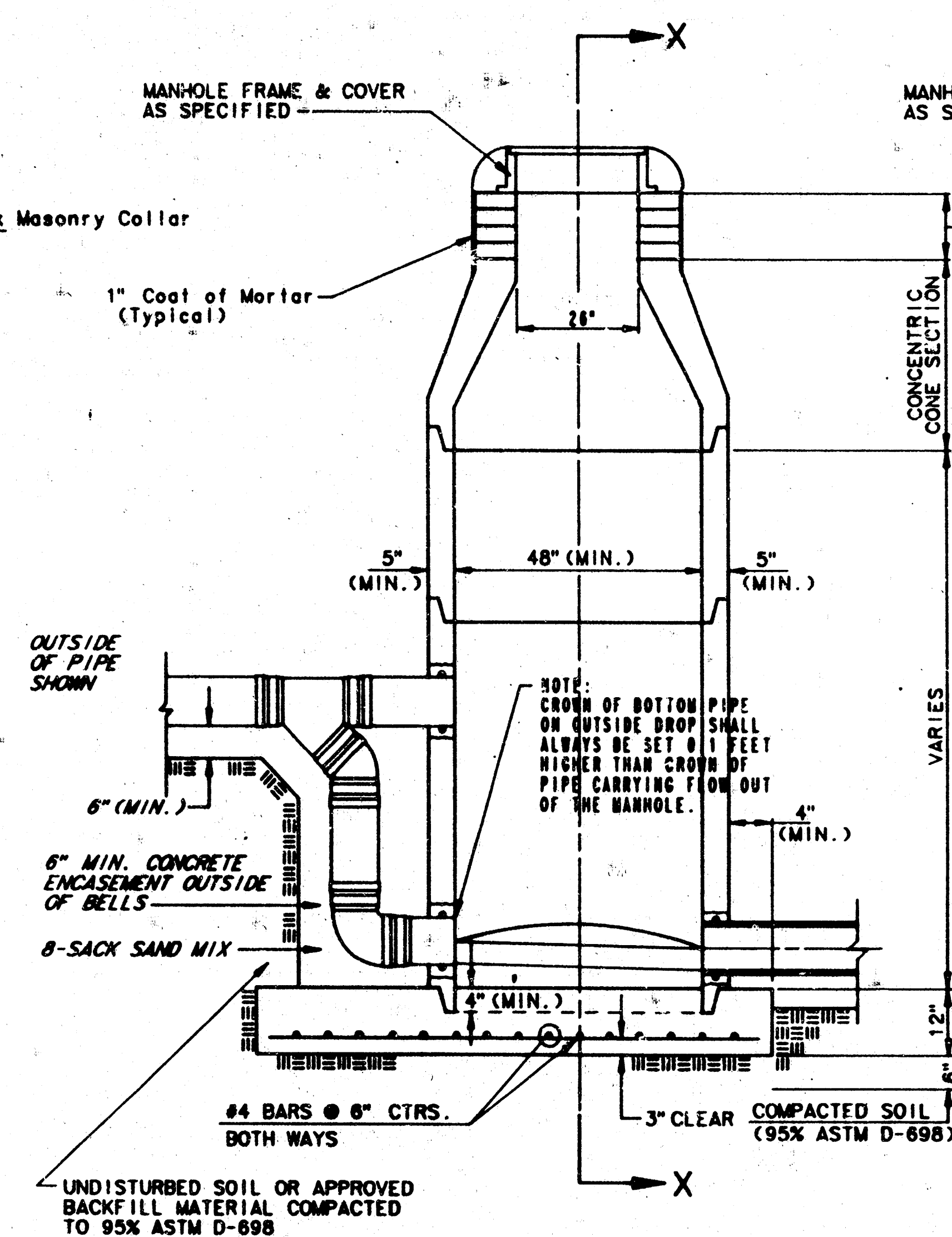
CITY OF WICHITA



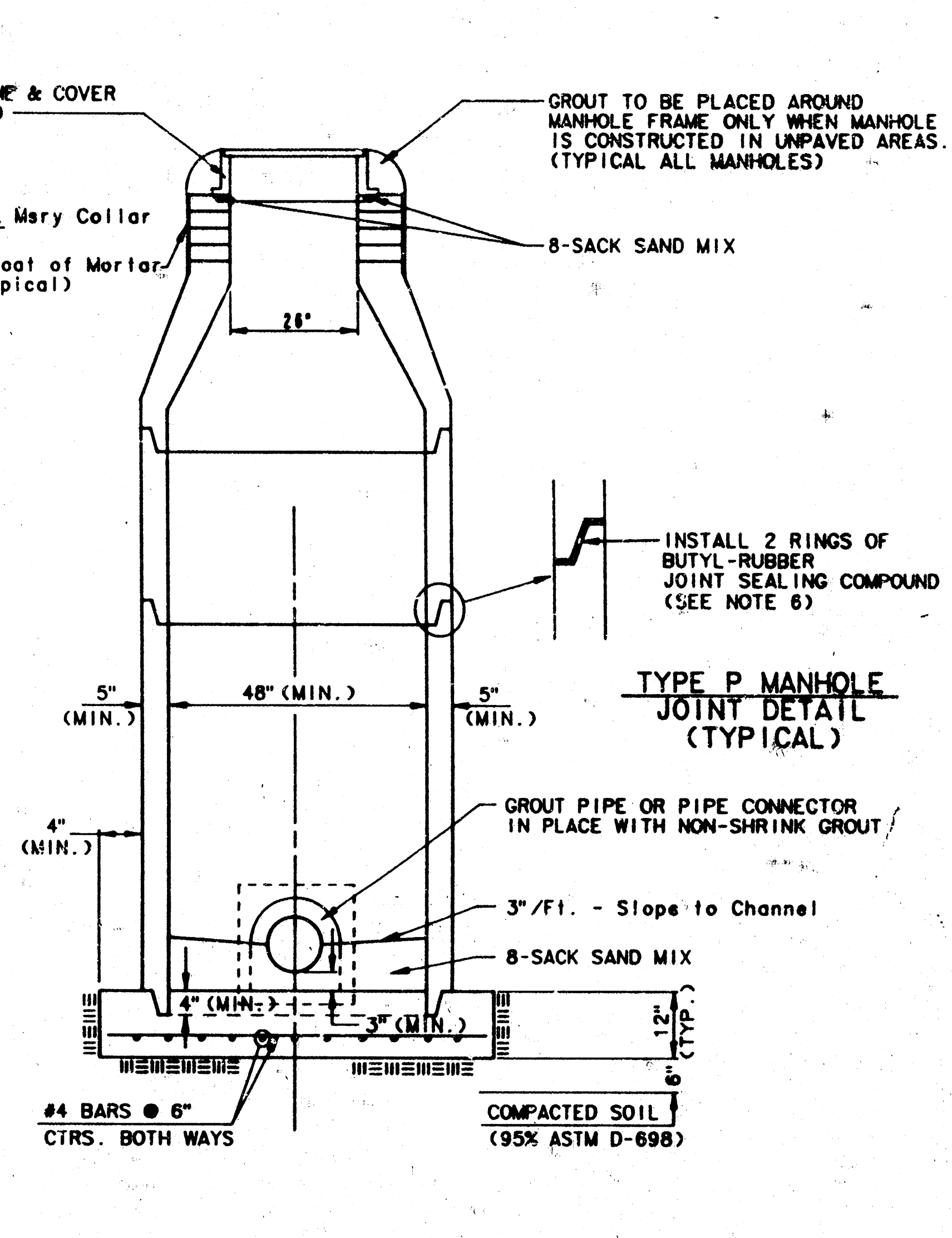
TYPE P
STANDARD MANHOLE



TYPE P
INSIDE DROP MANHOLE



TYPE P
OUTSIDE DROP MANHOLE



SECTION X
(TYPICAL)

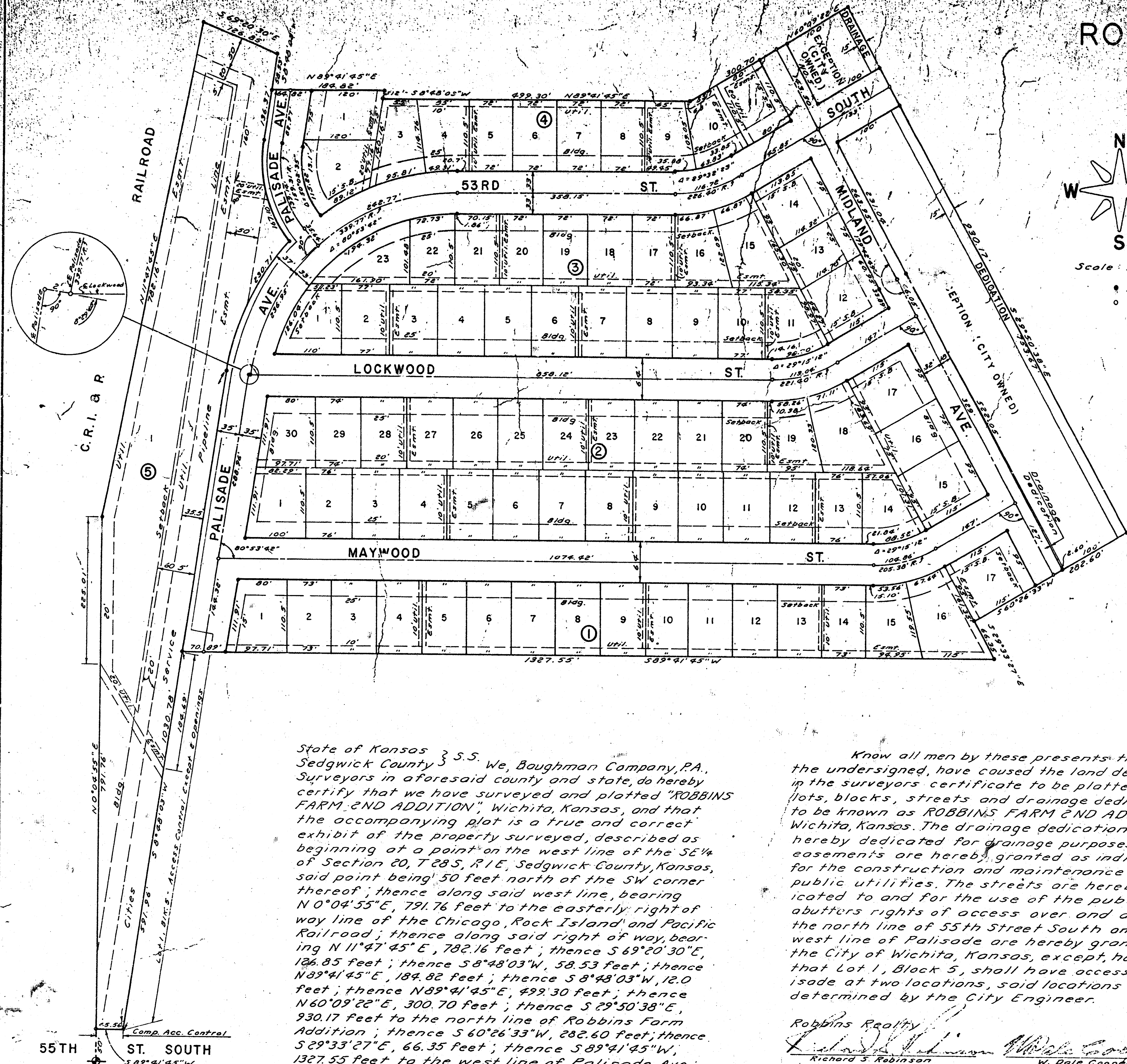
GENERAL NOTES

PRECAST MANHOLE NOTES

- ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISION 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 GROUTED IN PLACE WITH NON-SHRINK GROUT. THE MINIMUM OF 3 FEET FROM THE MANHOLE WALL AND TO THE FIRST JOINT FOR P.V.C. 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 TRENEC SERIES 88 HI-BUILD EPOXYLINE, DRY THICKNESS OF 8 MILS (MIN.).
- EXTERIOR MANHOLE WALLS SHALL BE COATED WITH 1 COAT MODULARMA 653 BITUMINUS 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 SLAB 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 4" 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 STORAGE FLOORS 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 REAT 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 CABLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. WHEN CLAY PIPE IS USED, THE CABLE SHALL EXTEND TO THE FIRST JOINT OUTSIDE OF THE MANHOLE. THE CABLE SHALL BE TERMINATED AT THE CLAY PIPE JOINT IN A MANNER WHICH WILL MAINTAIN THE FLEXIBILITY OF THE JOINT. COST OF CABLE 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 4' 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.



ROBBINS FARM 2ND ADDITION

WICHITA, KANSAS

This plat of "ROBBINS FARM 2ND ADDITION", Wichita, Kansas, has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas, dated this 26th day of April, 1979.

Wichita-Sedgwick County Metropolitan Area Planning Commission
Chairman
Secretary

This plat approved and all dedications shown hereon accepted by the Board of City Commissioners, Wichita, Kansas, this 11th day of SEPTEMBER, 1979.

Mayor
City Clerk

This plat approved and all dedications shown hereon accepted by the Board of County Commissioners, Sedgwick County, Kansas, this 14th day of SEPTEMBER, 1979.

Chairman
Commissioner
County Clerk

Entered on transfer record this 19 day of SEPTEMBER, 1979.
County Clerk

State of Kansas } S.S. This is to certify that Sedgwick County } this plat has been filed for record in the Office of the Register of Deeds this 14th day of SEPTEMBER, 1979, at 2:30 o'clock, P.M., and is duly recorded.

Register of Deeds
Deputy

State of Kansas } S.S. The foregoing instrument was acknowledged before me this 22nd day of August, 1979, by Fidelity Savings Association of Kansas by Larry R. McCurdy, Vice-President. In testimony whereof, I have hereunto set my hand and affixed my notarial seal the day and year above written.

Notary Public
My Commission Expires

State of Kansas } S.S. We, Baughman Company, P.A., Surveyors in aforesaid county and state, do hereby certify that we have surveyed and platted "ROBBINS FARM 2ND ADDITION", Wichita, Kansas, and that the accompanying plat is a true and correct exhibit of the property surveyed, described as beginning at a point on the west line of the SE 1/4 of Section 20, T28S, R1E, Sedgwick County, Kansas, said point being 50 feet north of the SW corner thereof; thence along said west line, bearing N 0° 04' 55" E, 791.76 feet to the easterly right of way line of the Chicago, Rock Island and Pacific Railroad; thence along said right of way, bearing N 11° 47' 45" E, 782.16 feet; thence S 69° 20' 30" E, 184.85 feet; thence S 8° 48' 03" W, 58.53 feet; thence N 89° 41' 45" E, 184.82 feet; thence S 8° 48' 03" W, 12.0 feet; thence N 89° 41' 45" E, 499.30 feet; thence N 60° 09' 20" E, 300.70 feet; thence S 29° 50' 38" E, 930.17 feet to the north line of Robbins Farm Addition; thence S 60° 26' 33" W, 282.60 feet; thence S 29° 33' 27" E, 66.35 feet; thence S 89° 41' 45" W, 1327.55 feet to the west line of Palisade Ave.; thence along said west line, bearing S 8° 48' 03" W, 591.96 feet to the north line of 55th Street South; thence along said north line, bearing S 89° 41' 45" W, 45.56 feet to the point of beginning, excepting that part owned by the City of Wichita, Kansas.

Date Aug. 22, 1979 Baughman Company, P.A.
Surveyor

We, Fidelity Savings Association of Kansas, holder of a mortgage on the above described property, do hereby consent to this plat of "ROBBINS FARM 2ND ADDITION".
Fidelity Savings Association of Kansas
Vice Pres.

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 drainage dedications to be known as ROBBINS FARM 2ND ADDITION, Wichita, Kansas. The drainage dedications are hereby dedicated for drainage purposes. The easements are hereby granted as indicated for the construction and maintenance of all public utilities. The streets are hereby dedicated to and for the use of the public. All abutters rights of access over and across the north line of 55th Street South and the west line of Palisade are hereby granted to the City of Wichita, Kansas, except, however, that Lot 1, Block 5, shall have access to Palisade at two locations, said locations to be determined by the City Engineer.

Robbins Realty
Richard S. Robinson
W. Dale Cooper

State of Kansas } S.S. The foregoing instrument was acknowledged before me this 22nd day of August, 1979, by Robbins Realty by Richard S. Robinson and W. Dale Cooper. In testimony whereof, I have hereunto set my hand and affixed my notarial seal the day and year above written.

Notary Public
My Commission Expires