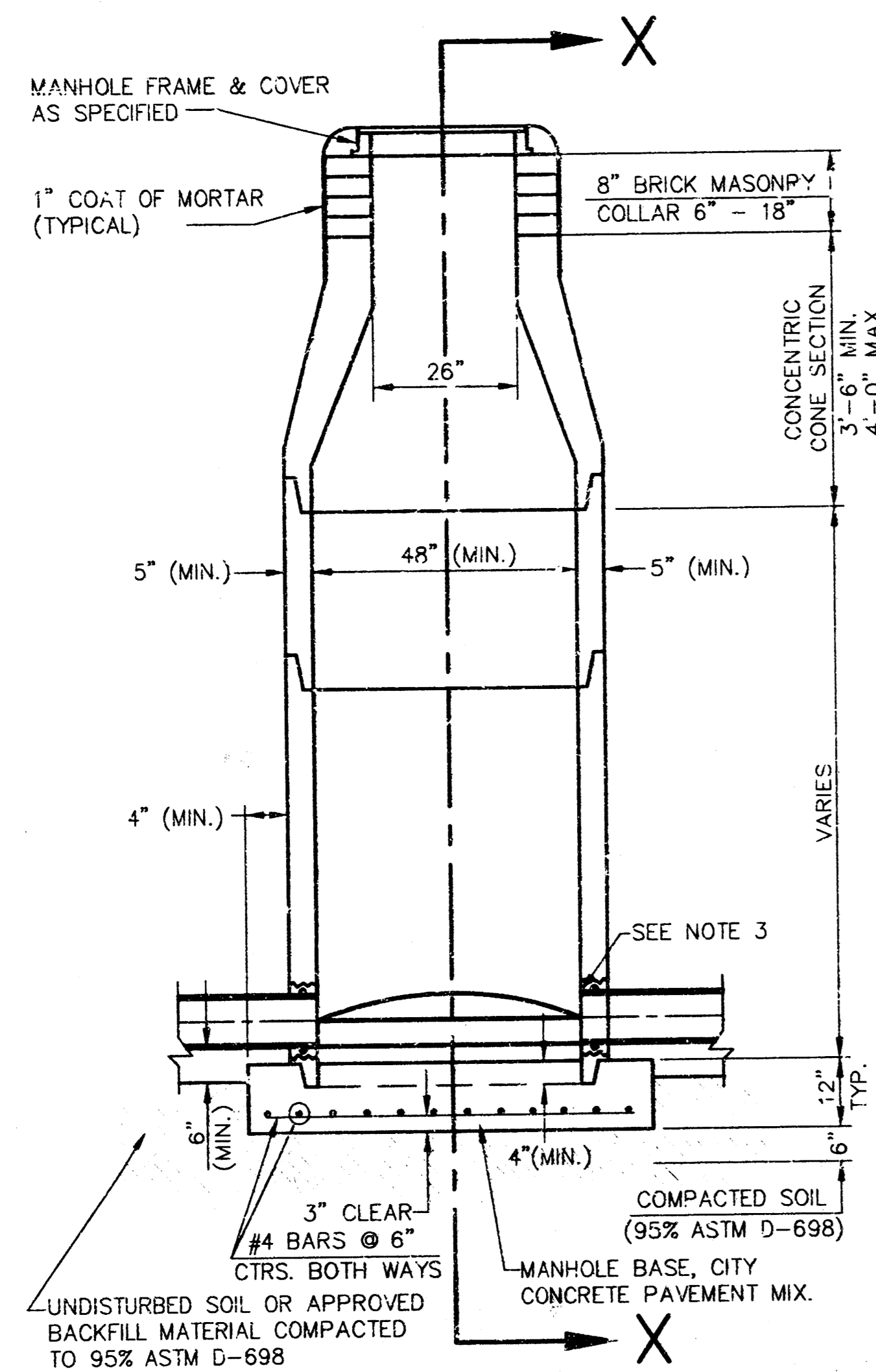
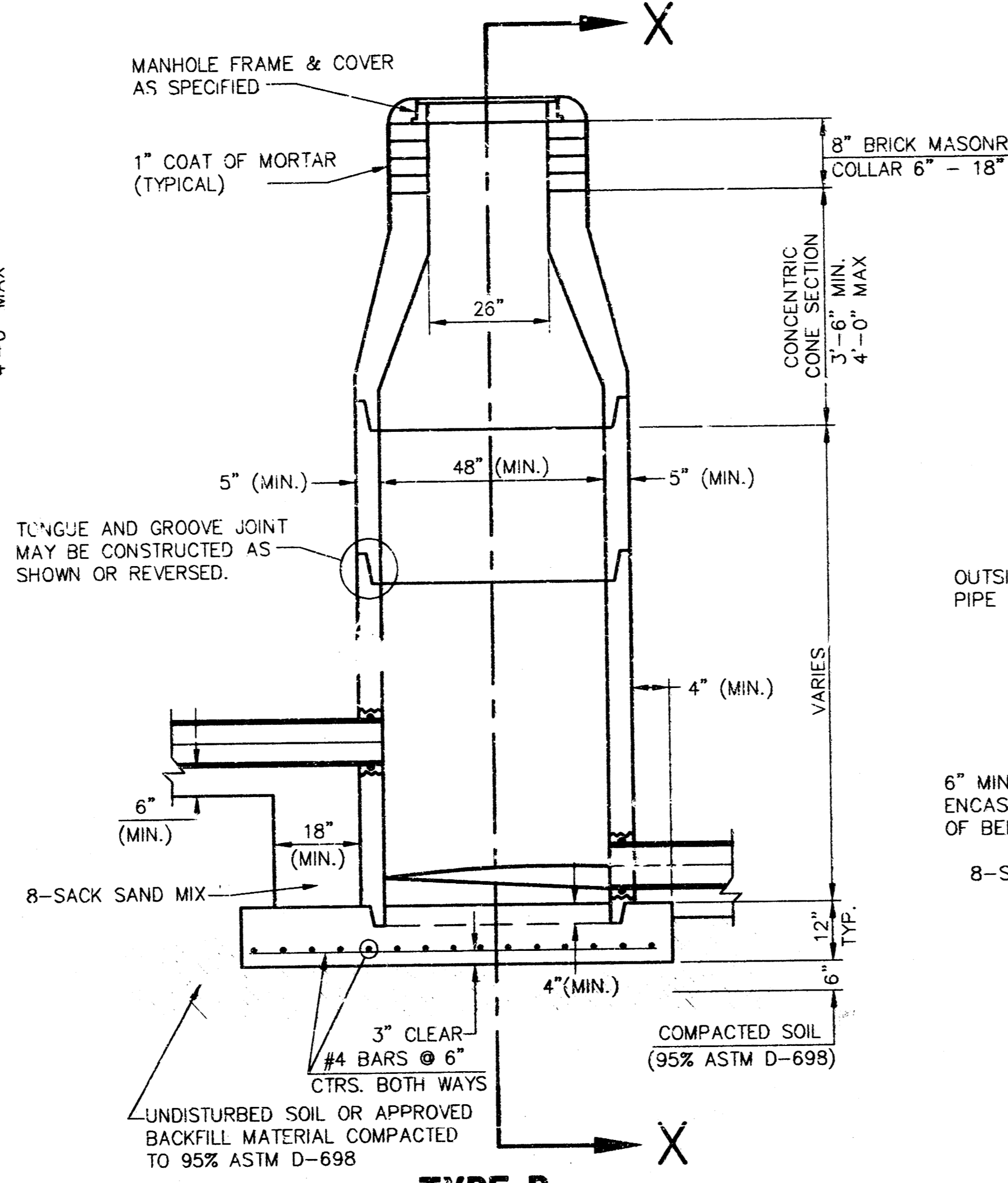


SEWER APPURTENANCES DETAILS

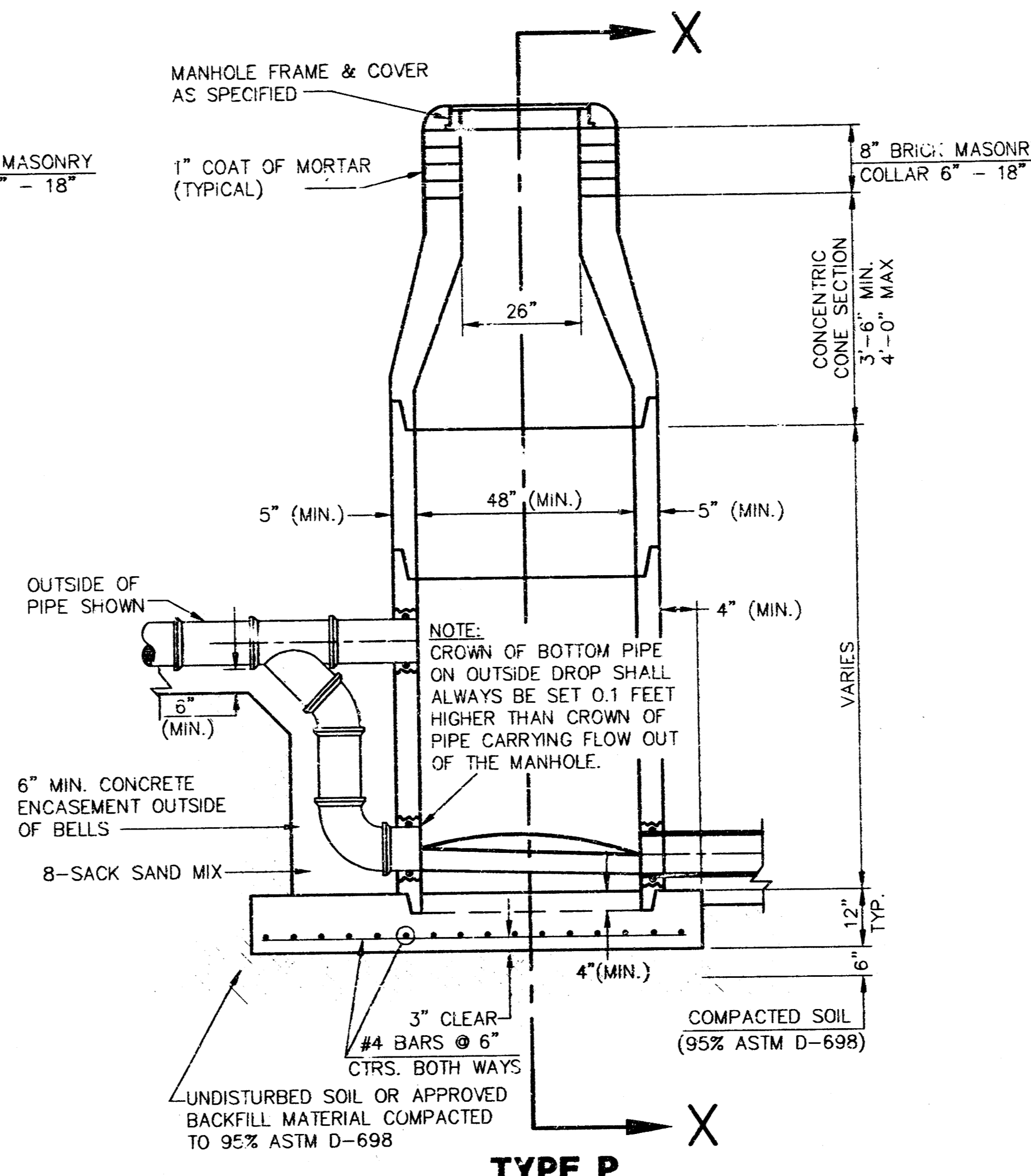
ADOPTED AS STANDARD DESIGN
BY
CITY OF WICHITA



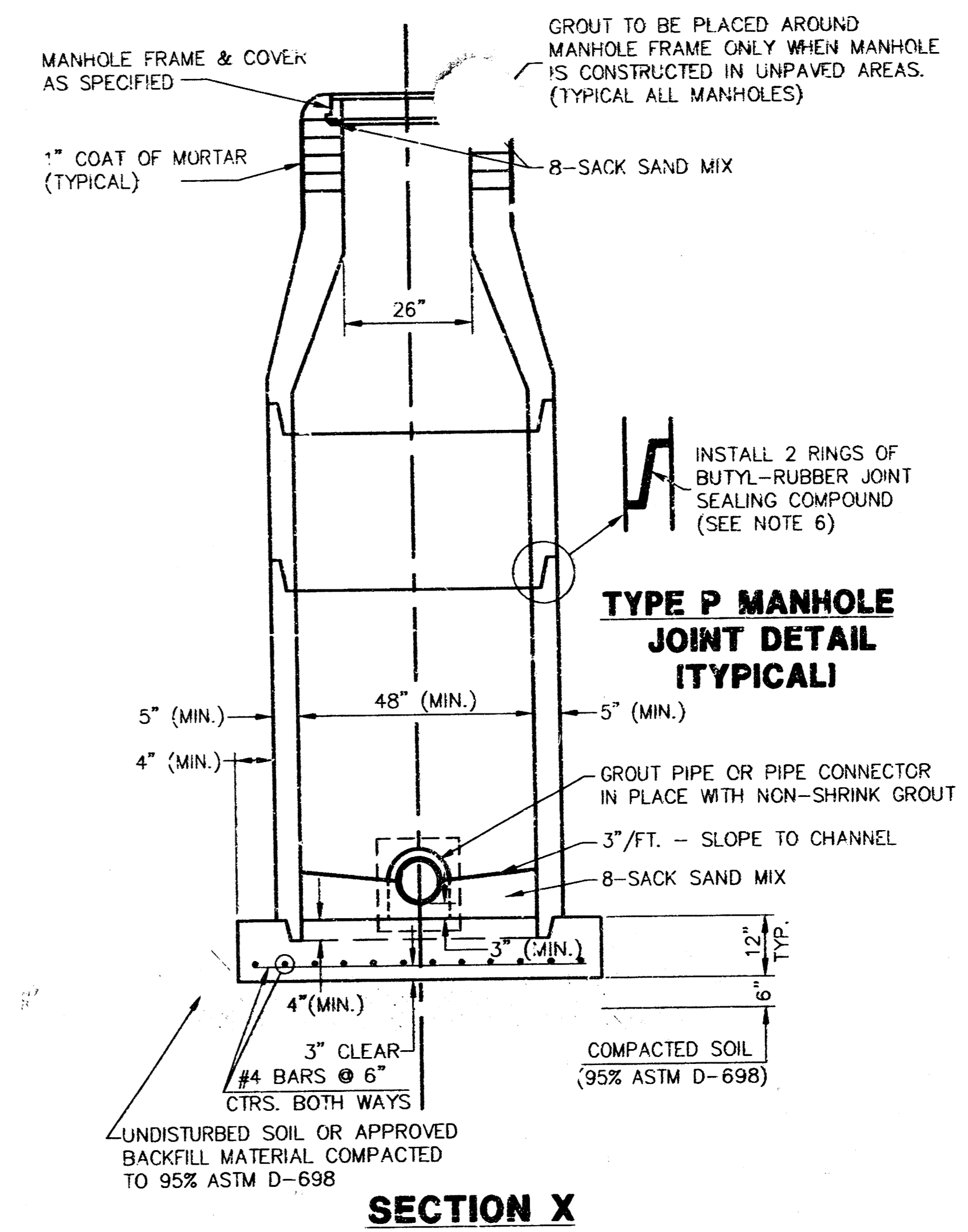
**TYPE P
STANDARD MANHOLE**



**TYPE P
INSIDE DROP MANHOLE**



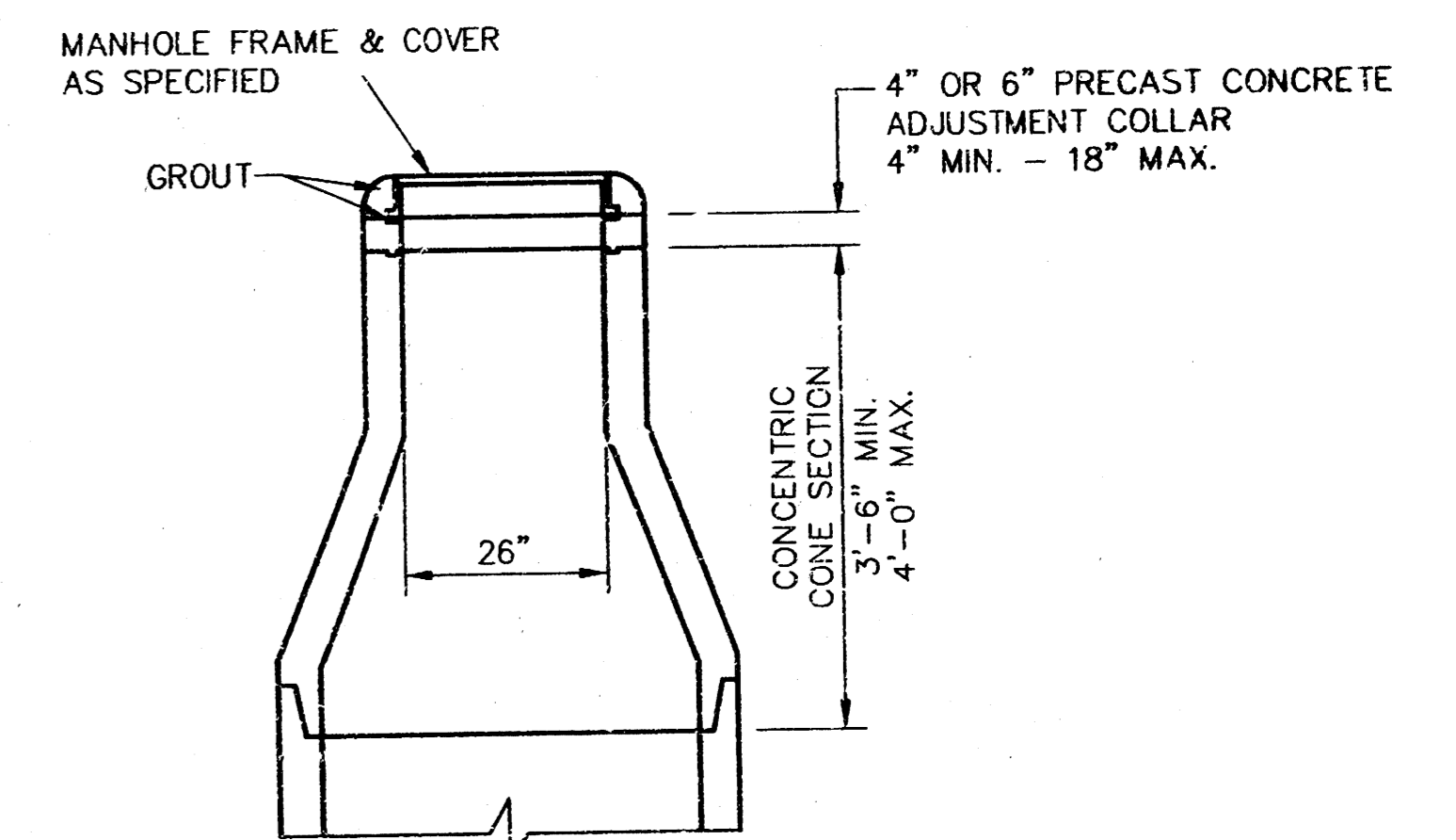
**TYPE P
OUTSIDE DROP MANHOLE**



**SECTION X
(TYPICAL)**

GENERAL NOTES - PRECAST MANHOLE NOTES

- ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST 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 TNEC SERIES 66 HI-BUILD EPOXOLINE, DRY THICKNESS OF 8 MILS (MIN.).
- EXTERIOR MANHOLE WALLS SHALL BE COATED WITH 1 COAT MOBILARMA 633 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 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 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 LAID THROUGH MANHOLES. 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 CRADLE 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; 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.



**ALTERNATE CONSTRUCTION
IN UNPAVED AREAS**

REVISED: 6-12-86

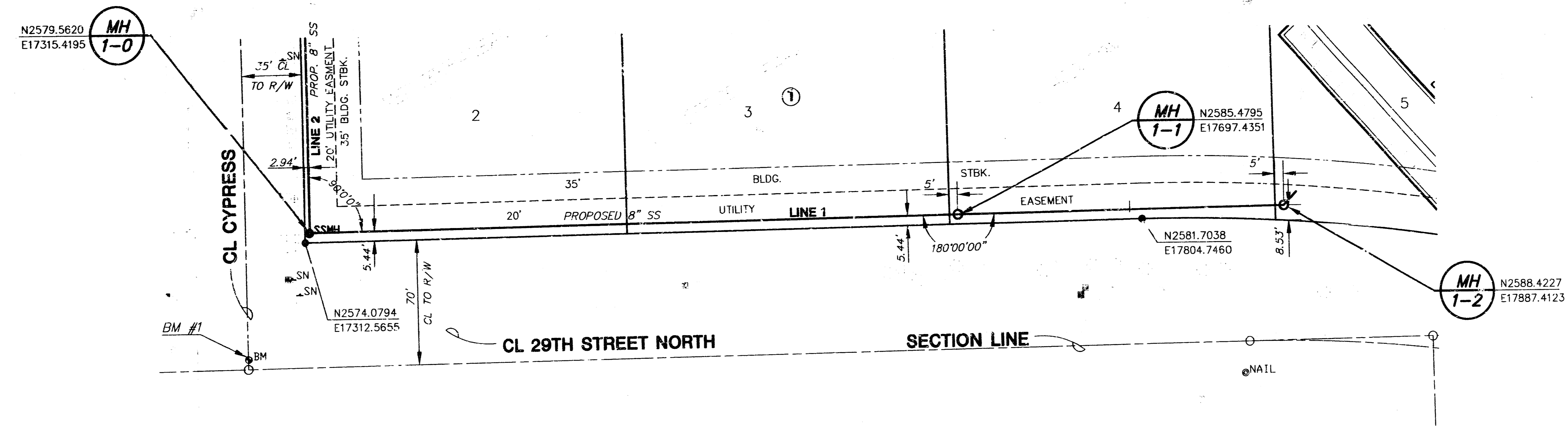
MANHOLE DETAILS

CITY OF WICHITA, KANSAS

2 / 5

Design	C.O.W.	Checked by	Checked by
Drawn by	Date	Date	JAN 1998
			Job No. 98079_BD

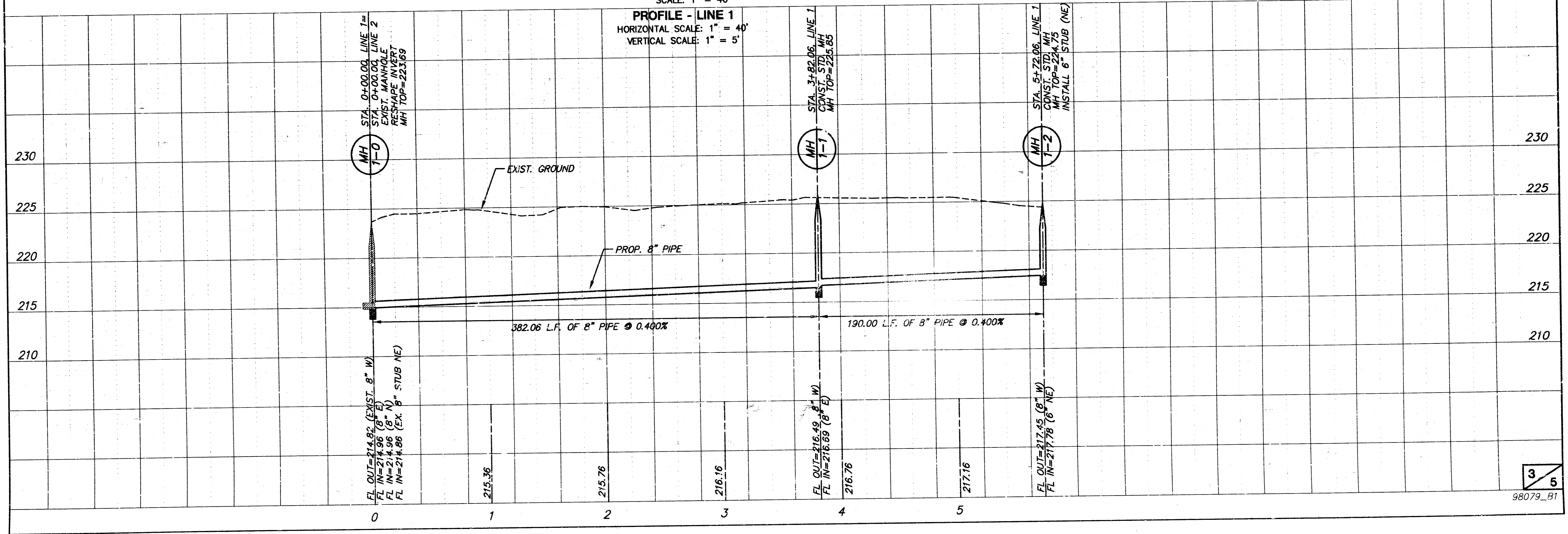
MEDITERRANEAN OFFICE
PARK ADDITION
SANITARY SEWER PLANS
LINE 1



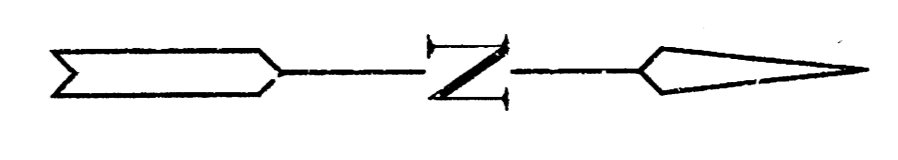
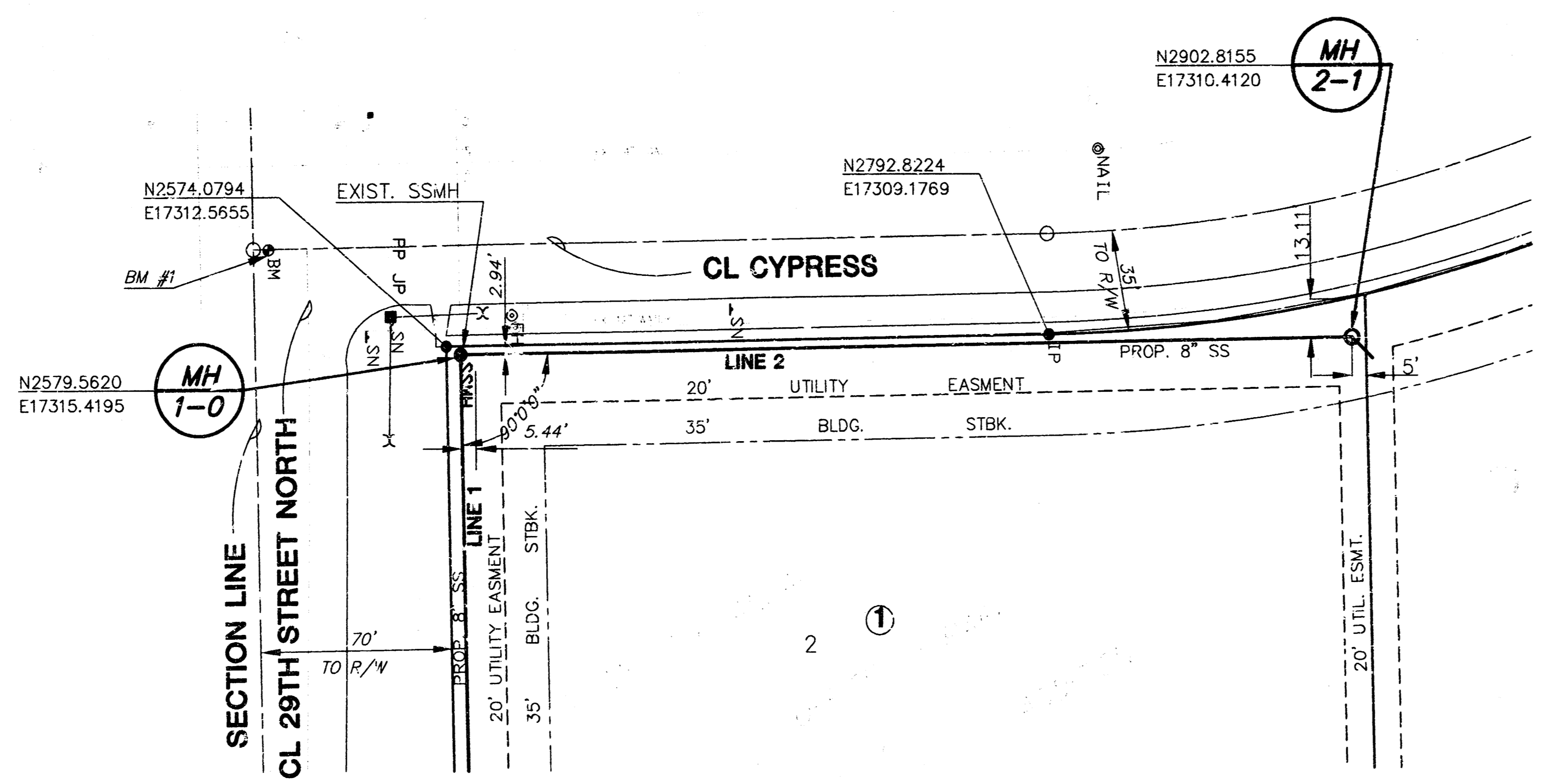
NOTE: NO EASEMENT GRADING
REQUIRED.

PLAN - LINE 1
SCALE: 1" = 40'

PROFILE - LINE 1
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 5'



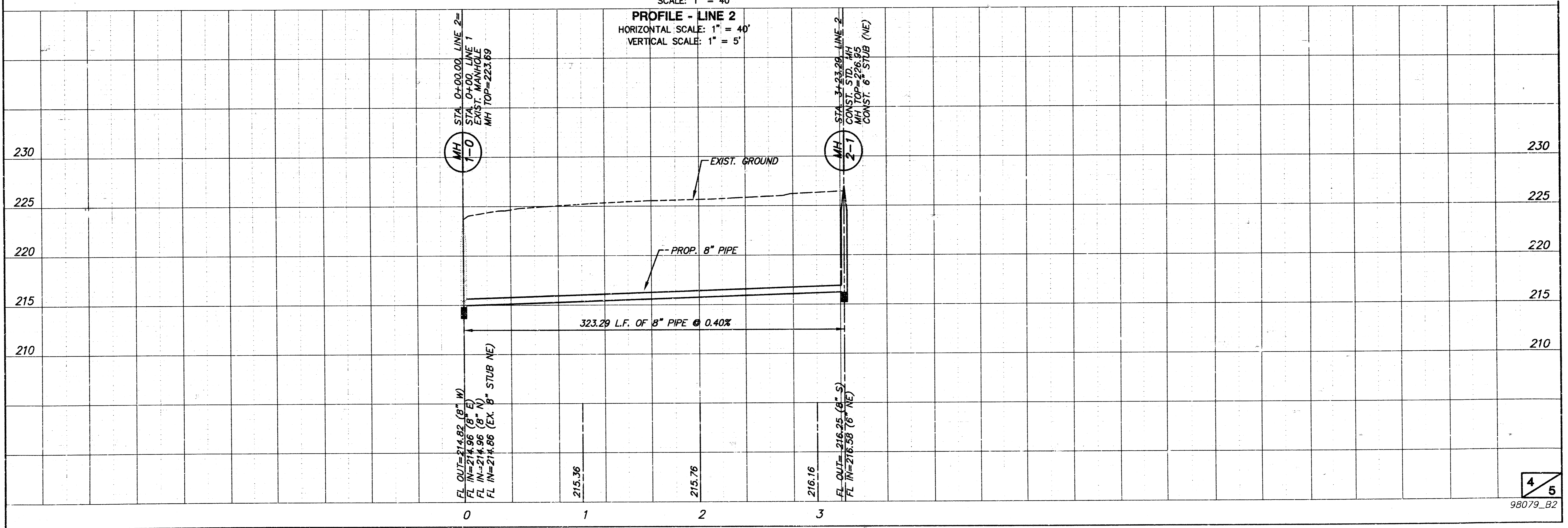
MEDITERRANEAN OFFICE
PARK ADDITION
SANITARY SEWER PLANS
LINE 2



NOTE: NO EASEMENT GRADING
REQUIRED.

PLAN - LINE 2
SCALE: 1" = 40'

PROFILE - LINE 2
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 5'



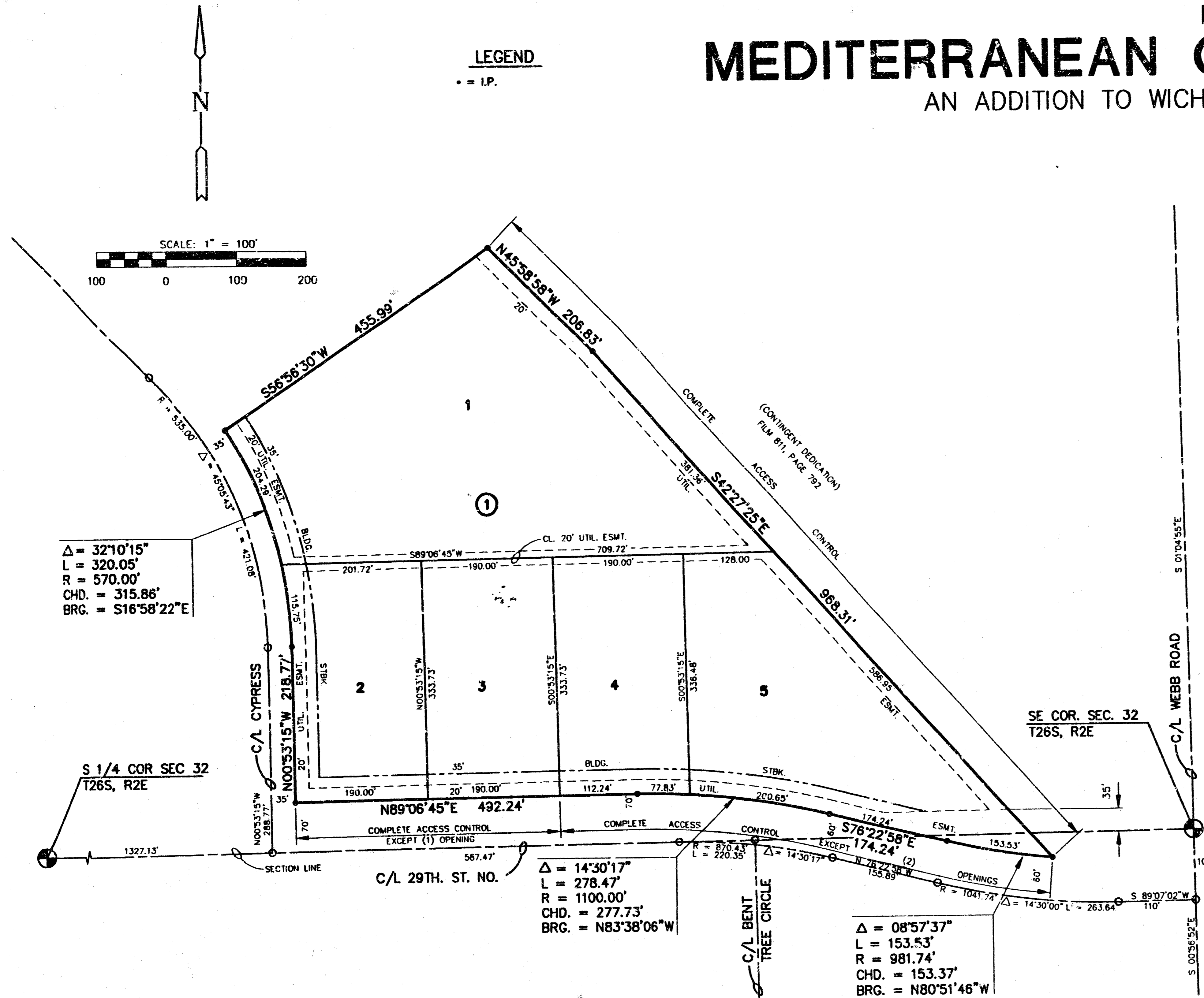
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FINAL PLAT

MEDITERRANEAN OFFICE PARK ADDITION

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

LIBRARY COPY
SEGWICK COUNTY, KANSAS
REGISTER OF DEEDS
LARRY CONSOLVER



I, Kenneth H. Bengtson, a Civil Engineer and Registered Land Surveyor in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of MEDITERRANEAN OFFICE PARK ADDITION, an addition to Sedgwick County, Kansas, into lots and a block the same being accurately set forth in the accompanying plot and described herein:

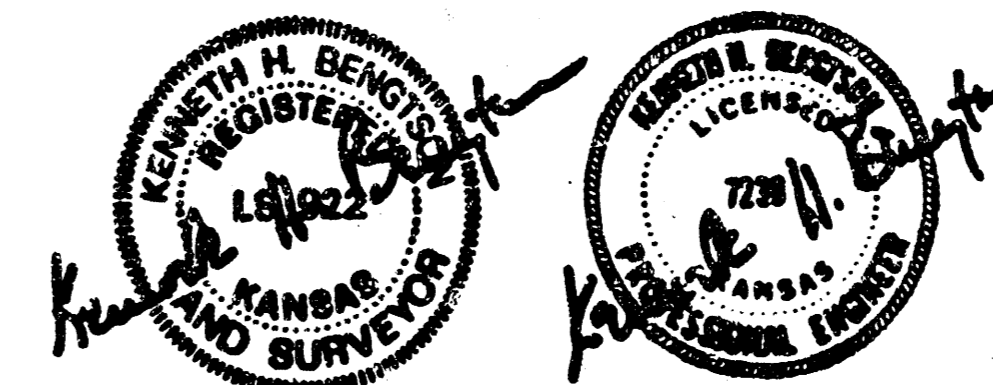
A replat of Lot 11, Block 2, MEDITERRANEAN PLAZA ADDITION, an addition to Wichita, Sedgwick County, Kansas, and a portion of 29th Street North, more particularly described as follows:

Beginning at the Southwest corner of said Lot 11; thence N 00° 53' 15" E, 218.77 feet along the West line of said Lot 11; to a point on a curve to the left; thence along said curve and West line 320.05 feet, to the Northwest corner of said Lot 11; said curve having a central angle of 32° 10' 15", a radius of 570.00 feet, and a long chord of 315.86 feet, bearing N 16° 58' 22" W; thence N 56° 56' 30" E, 455.99 feet along the Northerly line to the Northeast corner of said Lot 11; thence S 45° 58' 58" E, 206.83 feet along the Easterly line of said Lot 11; thence continuing along said Easterly line, S 42° 27' 25" E, 968.31 feet to a point on a curve to the right; thence along said curve 153.53 feet, said curve having a central angle of 08° 57' 37", a radius of 981.74 feet, and a long chord of 153.37 feet, bearing N 80° 51' 46" W; thence N 76° 22' 58" W, 174.24 feet to a point on a curve to the left; thence along said curve 278.47 feet to a point on the South line of said Lot 11; said curve having a central angle of 14° 30' 17", a radius of 1100.00 feet, and a long chord of 277.73 feet, bearing N 83° 38' 06" W; thence S 89° 06' 45" W, 492.24 feet along the South line of said Lot 11 to the point of beginning.

All lots, blocks, streets, easements, and building setback located within the above described tract are hereby vacated by virtue of K.S.A. 512(b).

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 8th day of July, 1997.

Kenneth H. Bengtson, P.E., R.L.S. #922
Mid-Kansas Engineering Consultants, Inc.
411 North Webb Road
Wichita, KS 67206



Know all men by these presents that we the undersigned property owners of the land as above set forth in the Civil Engineer's and Registered Land Surveyor's Certificate, have caused the same to be surveyed and platted into lots and a block the same to be known as "MEDITERRANEAN OFFICE PARK ADDITION", an addition to Sedgwick County, Kansas. Easements for the construction and maintenance of public utilities, are hereby granted to the appropriate governing body.

All abutters right of access to or from 29th Street North over and across the South of MEDITERRANEAN OFFICE PARK ADDITION, are hereby granted to the appropriate governing body, provided however, Lot 2 and 3 shall have one common opening and Lots 4 and 5 shall have one opening each as approved by the City Engineer. All abutters right of access to or from Highway K-96 over and across the Northeasterly line of MEDITERRANEAN OFFICE PARK are hereby granted to the governing body.

KOCH PROPERTIES, INC.

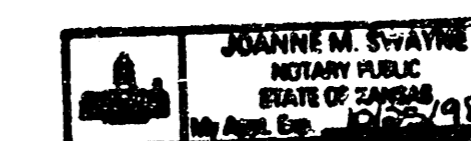
John C. Pittenger, Vice-President

STATE OF KANSAS)
) ss.
 SEDGWICK COUNTY)

BE IT REMEMBERED, that on this 8th day of July, 1997, before me the undersigned, a Notary Public in and for the County and State aforesaid, came John C. Pittenger as Vice President Koch Properties, Inc. known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year last above written.

JoAnne M. Swaine
Notary Public, JoAnne M. Swaine



My appointment expires: 10/25/98

This plat of "MEDITERRANEAN OFFICE PARK ADDITION", has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas. Dated this 12 day of June, 1997.

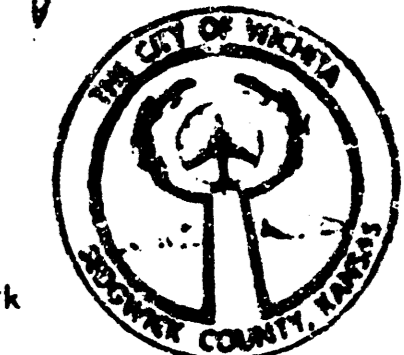
WICHITA-SEGWICK COUNTY METROPOLITAN PLANNING COMMISSION

John C. Frye, Chairman
Marvin S. Krout, Secretary

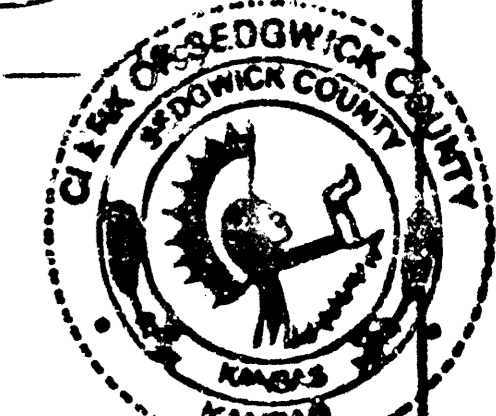


This plat approved and all dedications shown thereon, if any, accepted by the City of Wichita, Kansas, this 22nd day of July, 1997.

Bob Knight, Mayor
Pat Burnett, City Clerk



Entered to transfer record this 28th day of July, 1997.
James Alford, County Clerk



STATE OF KANSAS)
) ss.
 SEDGWICK COUNTY)

This is to certify that this instrument was filed for record in the Register of Deeds office this 27 day of July, 1997.

Larry Consolver, Register of Deeds

Michael D. Hurtt, Deputy

1620400