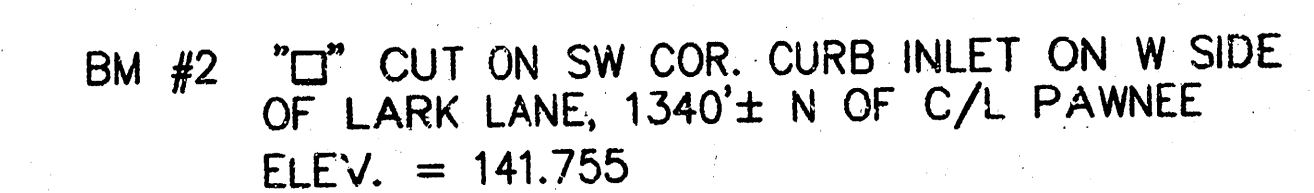
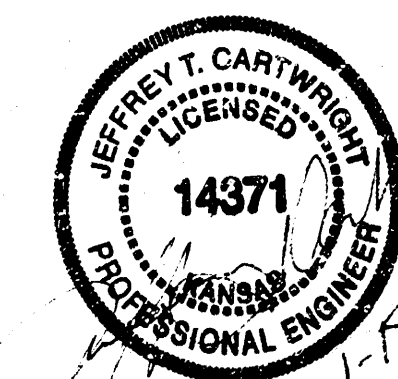


**LATERAL 397, SOUTHWEST INTERCEPTOR
PROJECT NO. 468-82822**

INDEX CODE: 743785

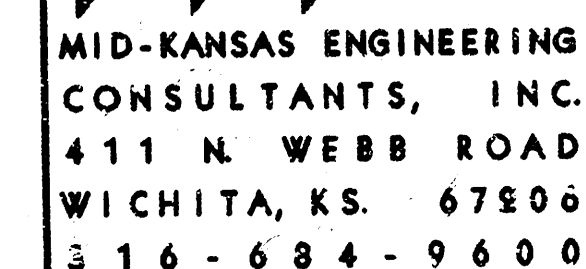
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
2. EXISTING 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 EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
3. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

10. ALL DISTURBED AREAS TO BE SEEDED WITH RYE GRASS AT A RATE OF 200 LBS./ ACRE WITHIN 10 DAYS OF CONSTRUCTION. CONTRACTOR TO PREPARE GROUND PER CITY SPEC.



1	TITLE SHEET
2	MANHOLE DETAILS
3	LINE 1
4	LINE 2
5	LINE 3 & 4
6	LINES 5, 6 & 7
7	FINAL PLAT

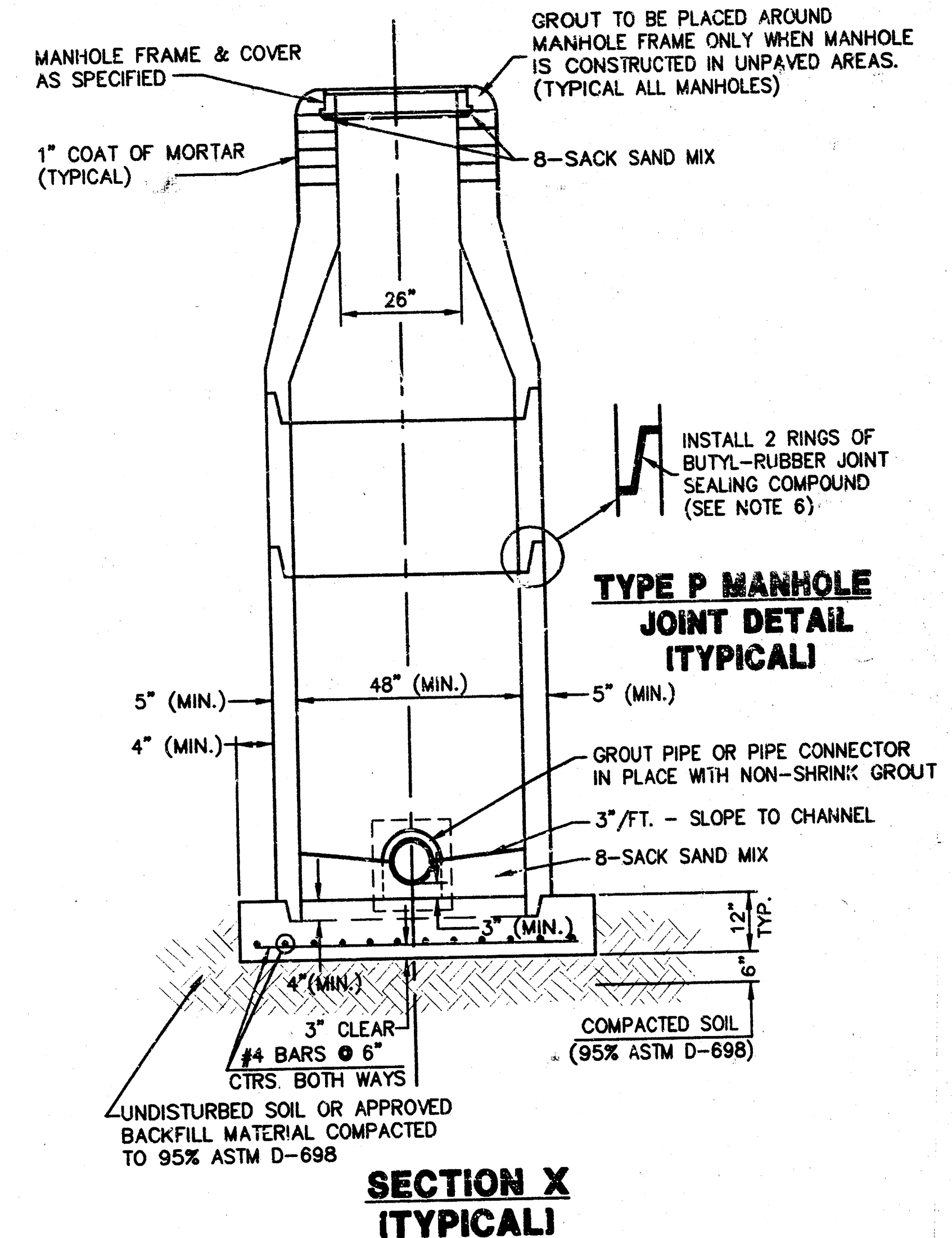
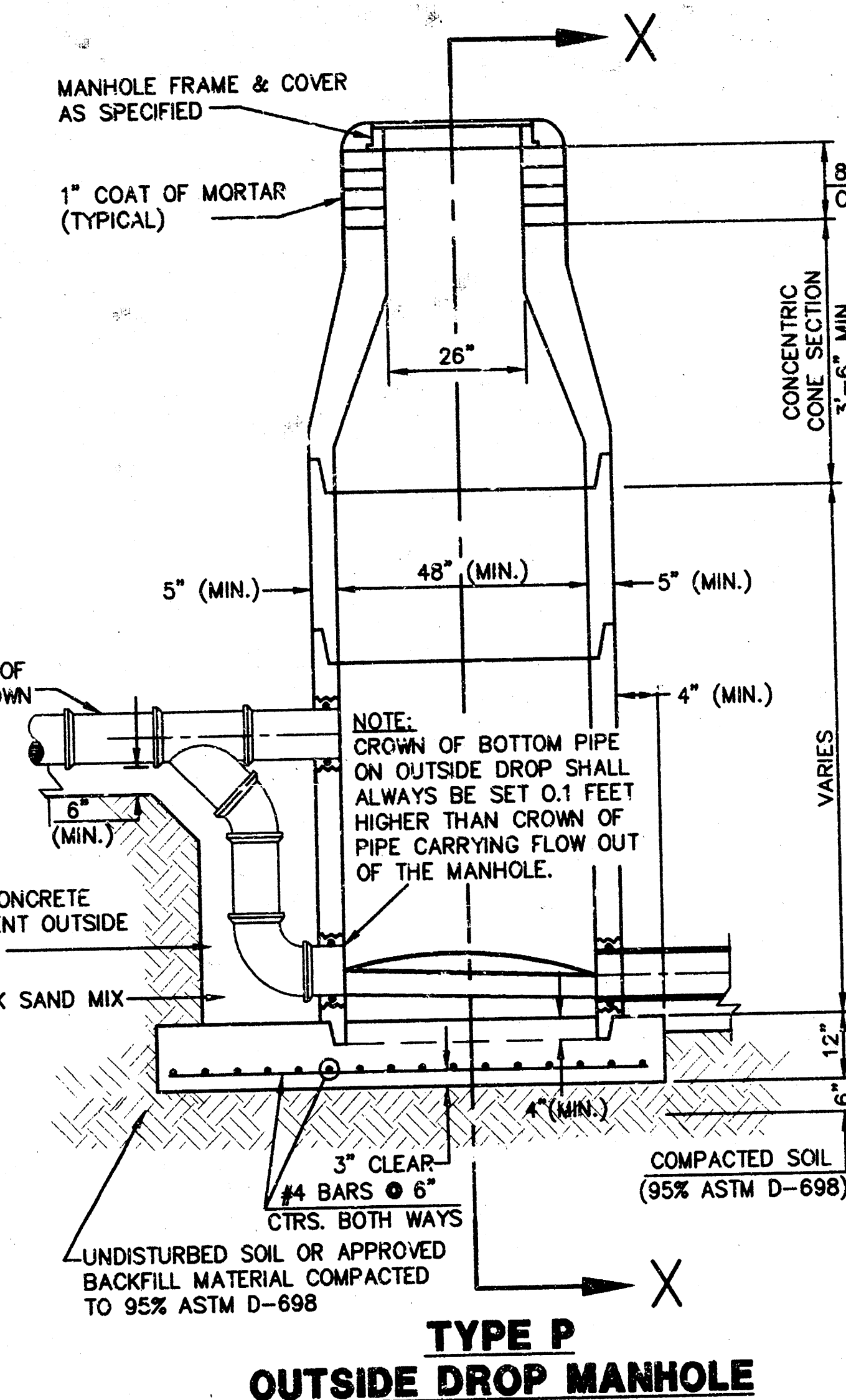
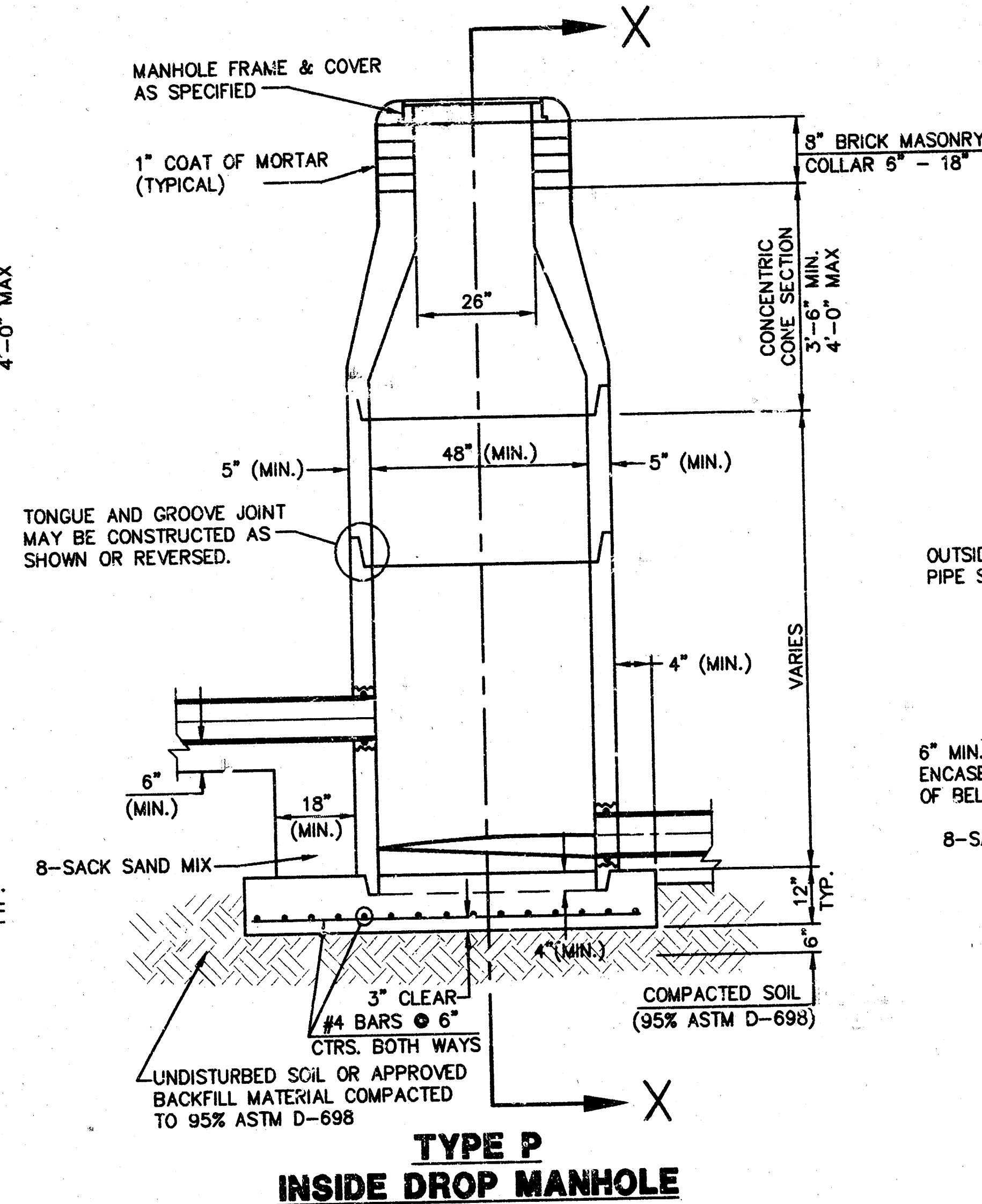
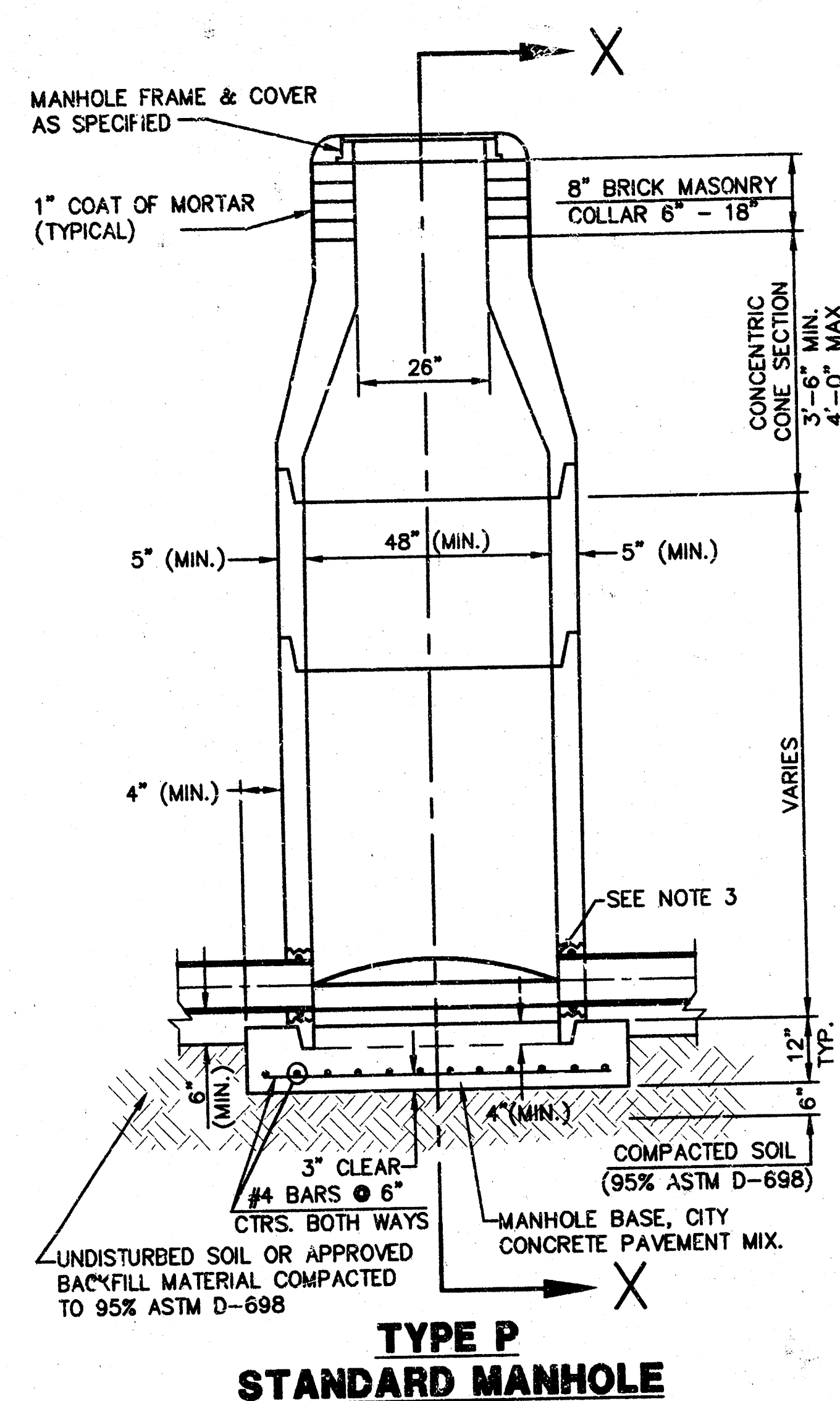
BM #2 "□" CUT ON SW COR. CURB INLET ON W SIDE
OF LARK LANE, 1340'± N OF C/L PAWNEE
ELEV. = 141.755



JTC	458	JTC
DESIGN BY:	DRAWN BY:	CHECKED BY:
JAN. 1999	97084_BT	1 / 7
DATE	JOB NO.	SHEET/OF

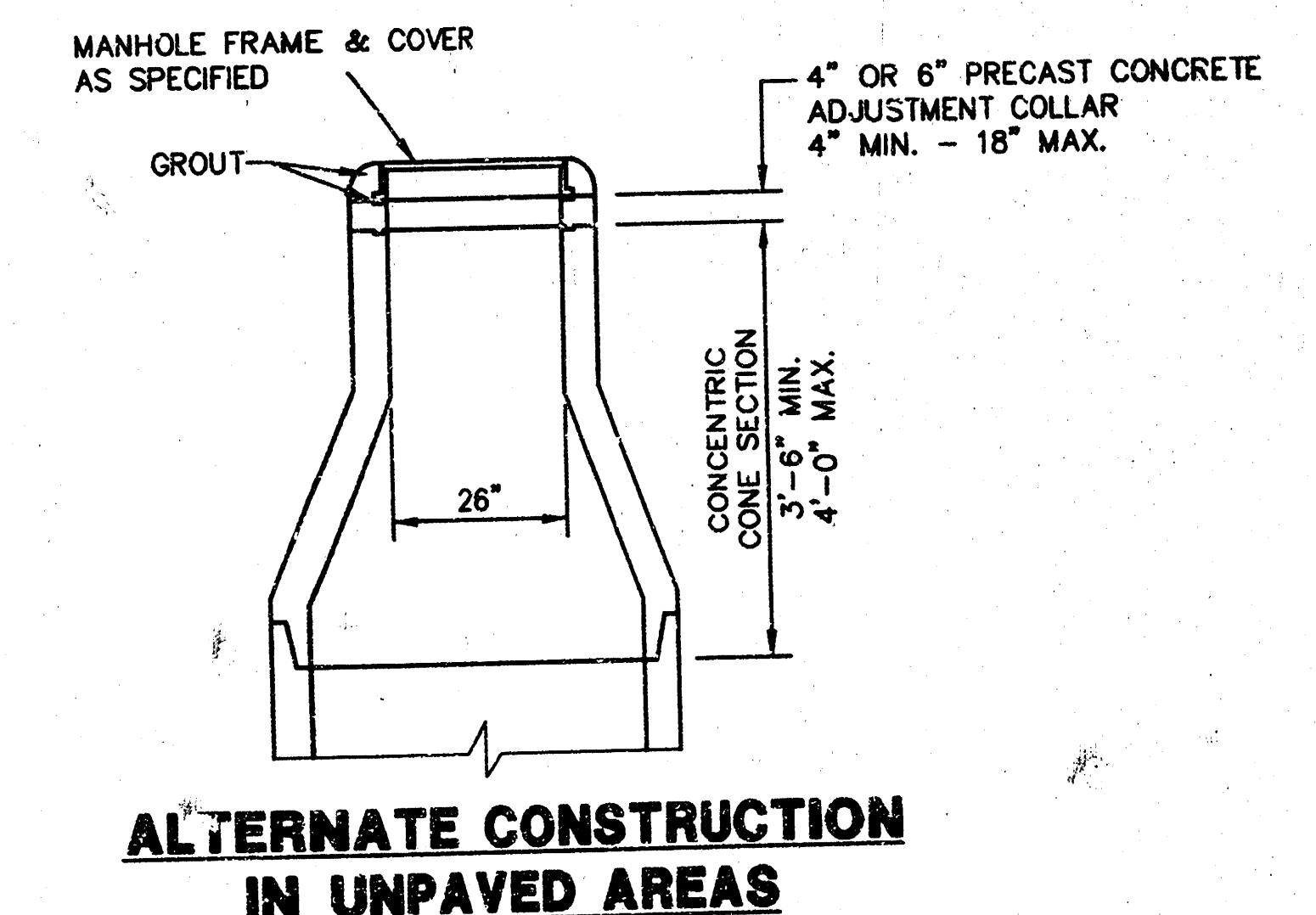
SEWER APPURTENANCES DETAILS

ADOPTED AS STANDARD DESIGN
BY
CITY OF WICHITA



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 EQUIV.
- 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. 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. 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.

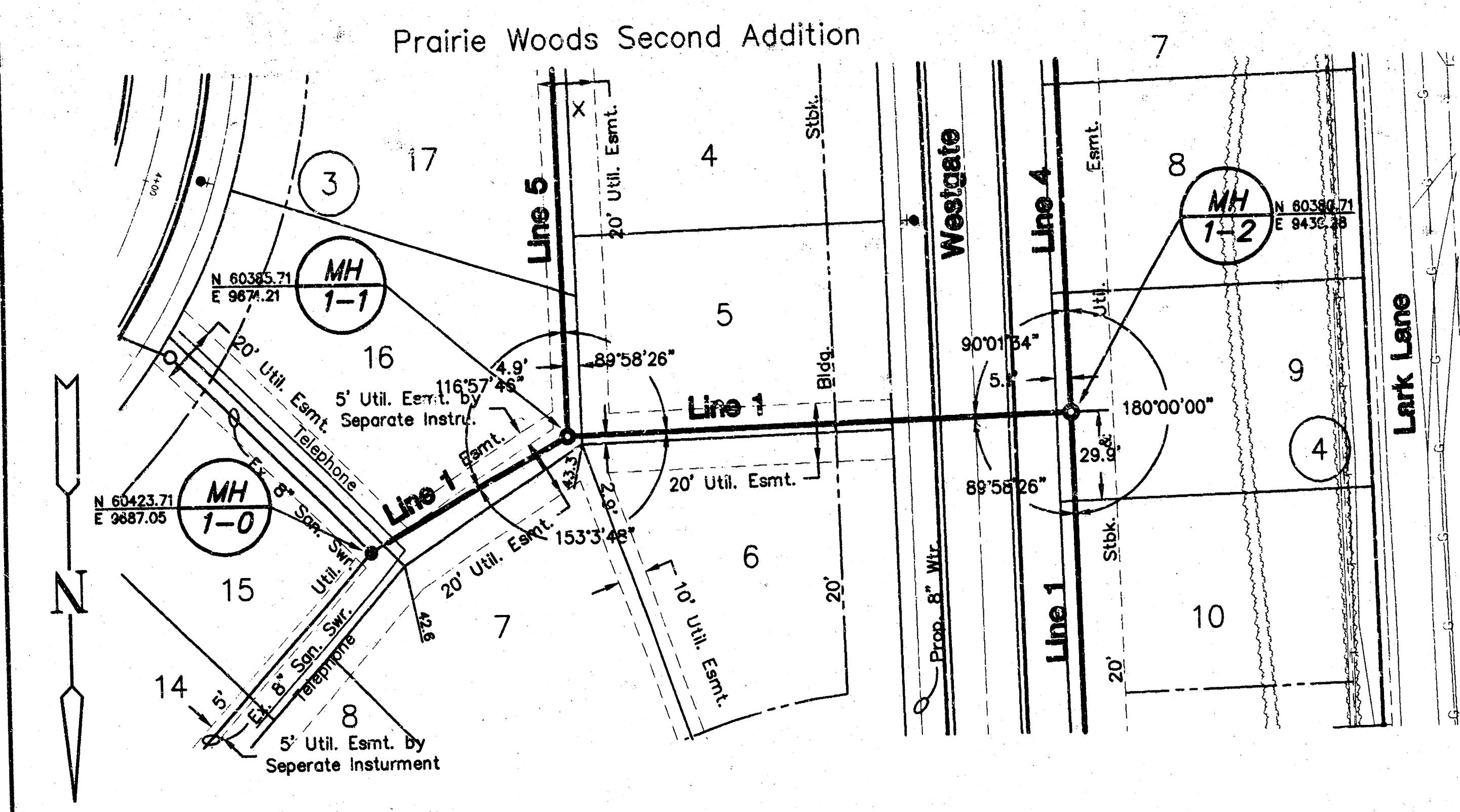


REVISED: 6-12-86

MANHOLE DETAILS

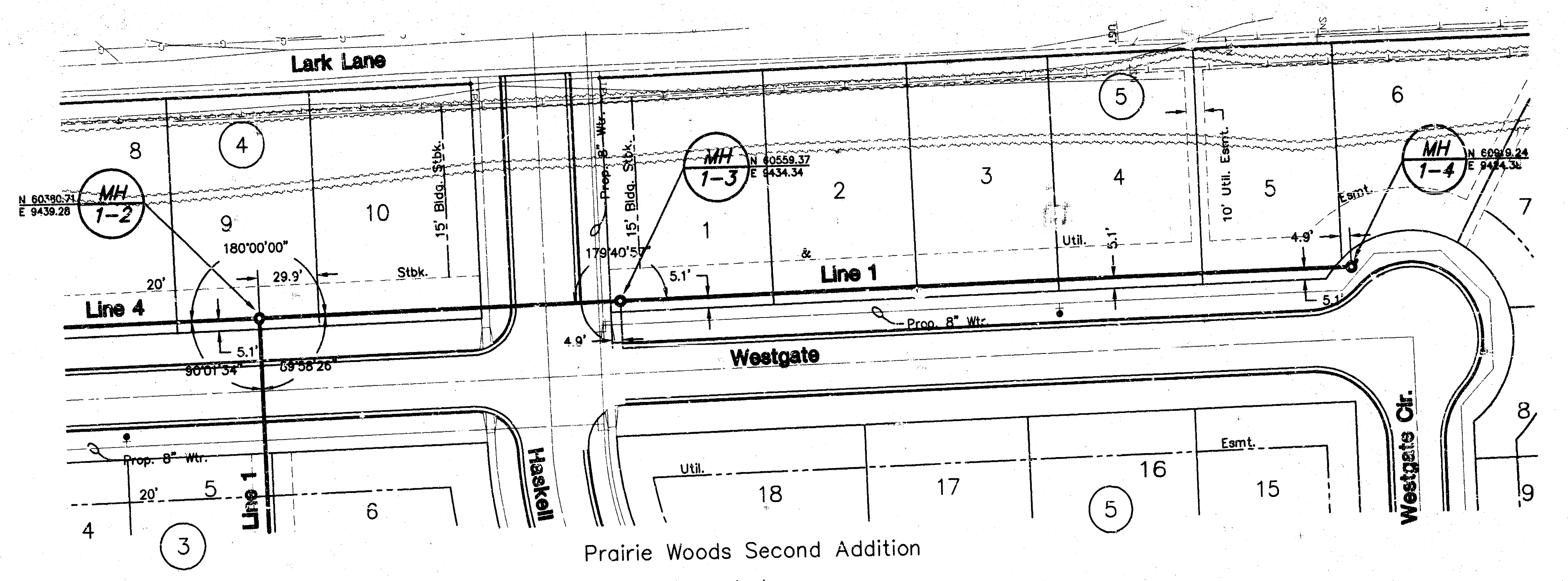
CITY OF WICHITA, KANSAS			
Design	C.O.W.	Checked by	Checked by
Drawn by	Date	Date JAN 1999	Job No. 97084BD1

Prairie Woods 2nd Addition
Phase 2, Line 1
Sanitary Sewer Plans

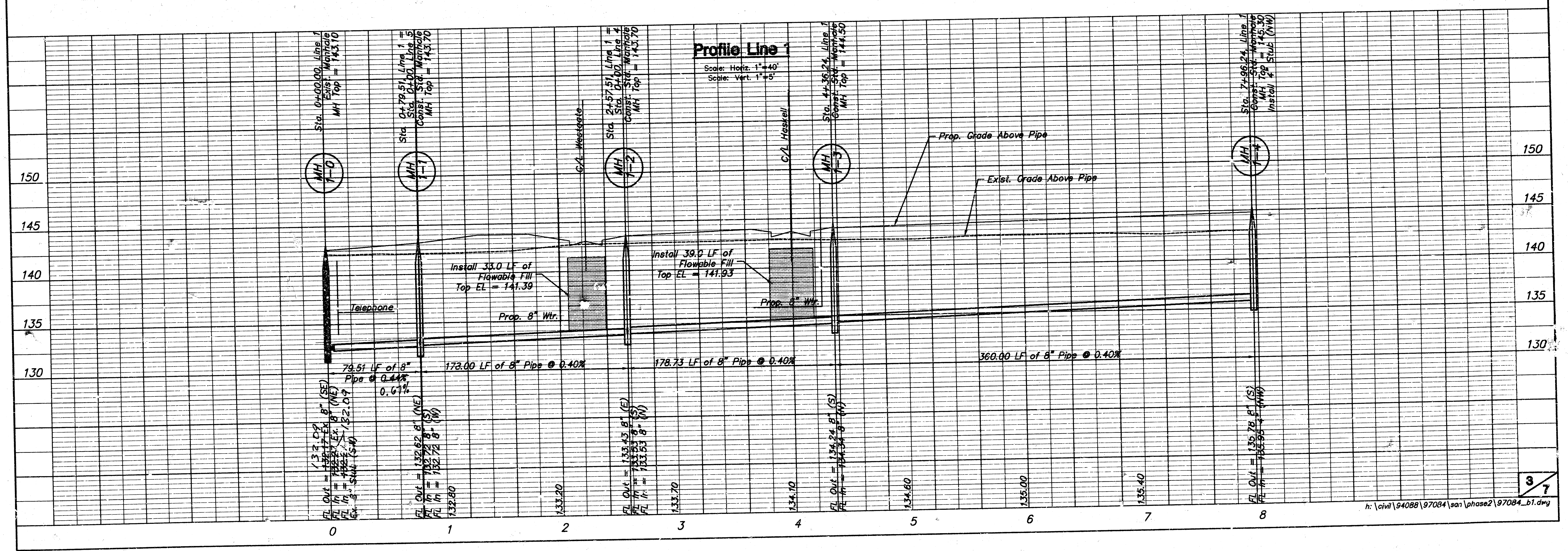


Note:
Easement Grading required from
MH1-0 to MH1-1
No Easement Grading required from
MH1-1 to MH1-4

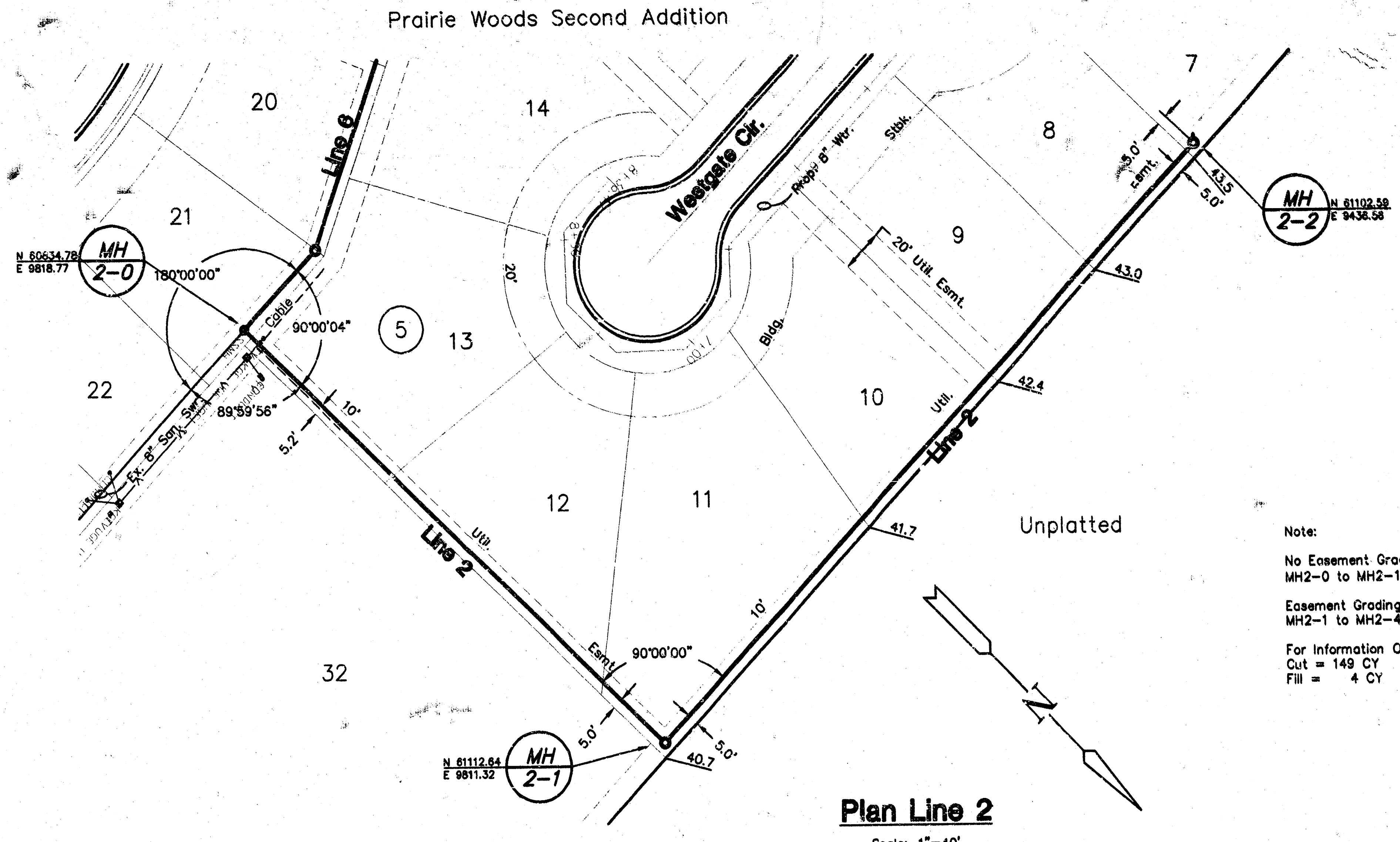
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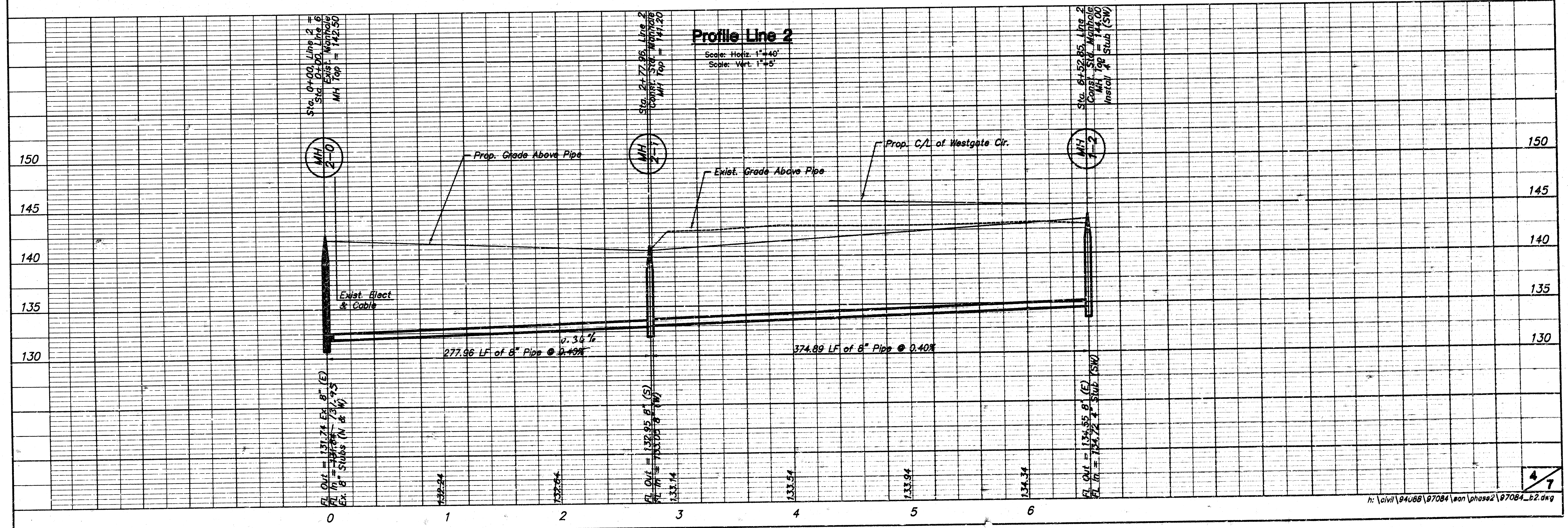
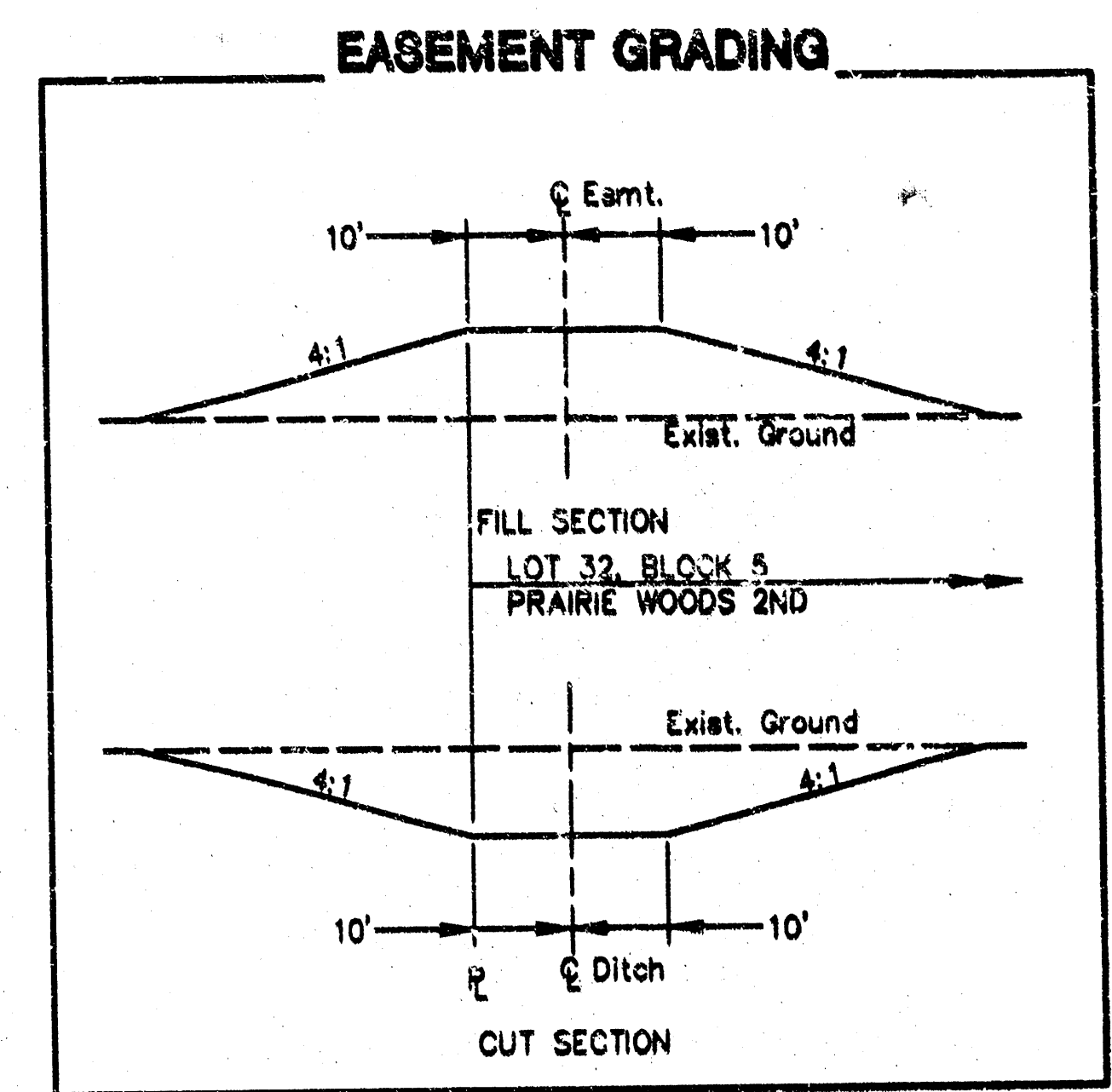
Plan Line 1
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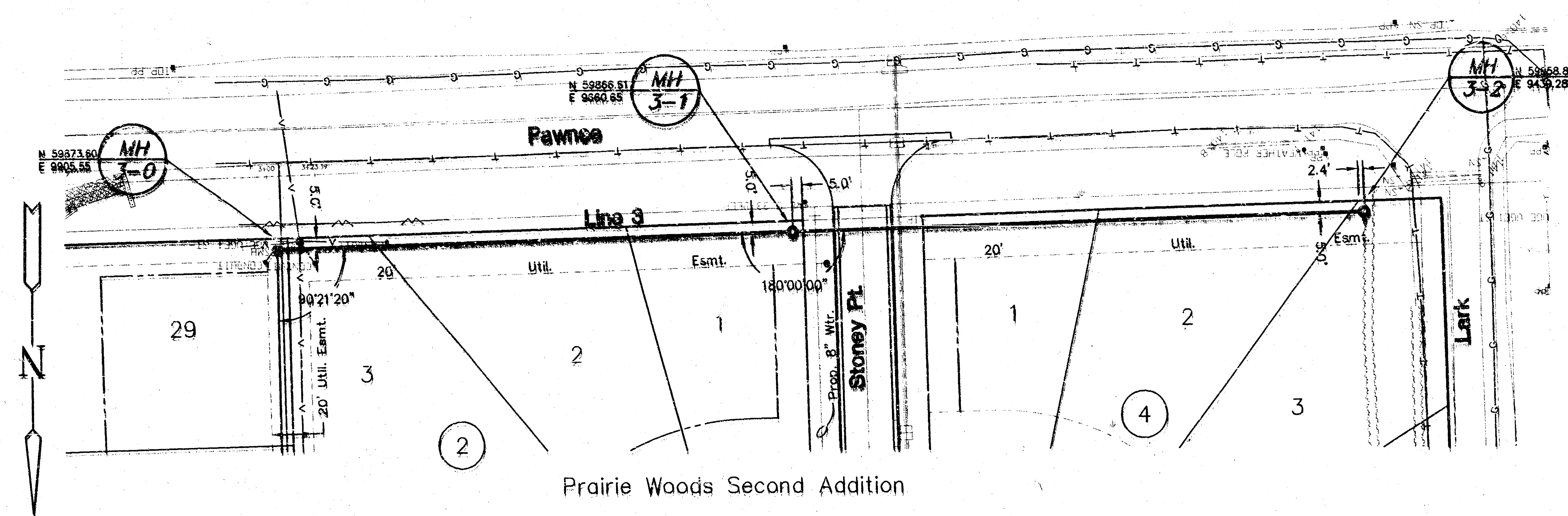
**Prairie Woods 2nd Addition
Phase 2, Line 2
Sanitary Sewer Plans**



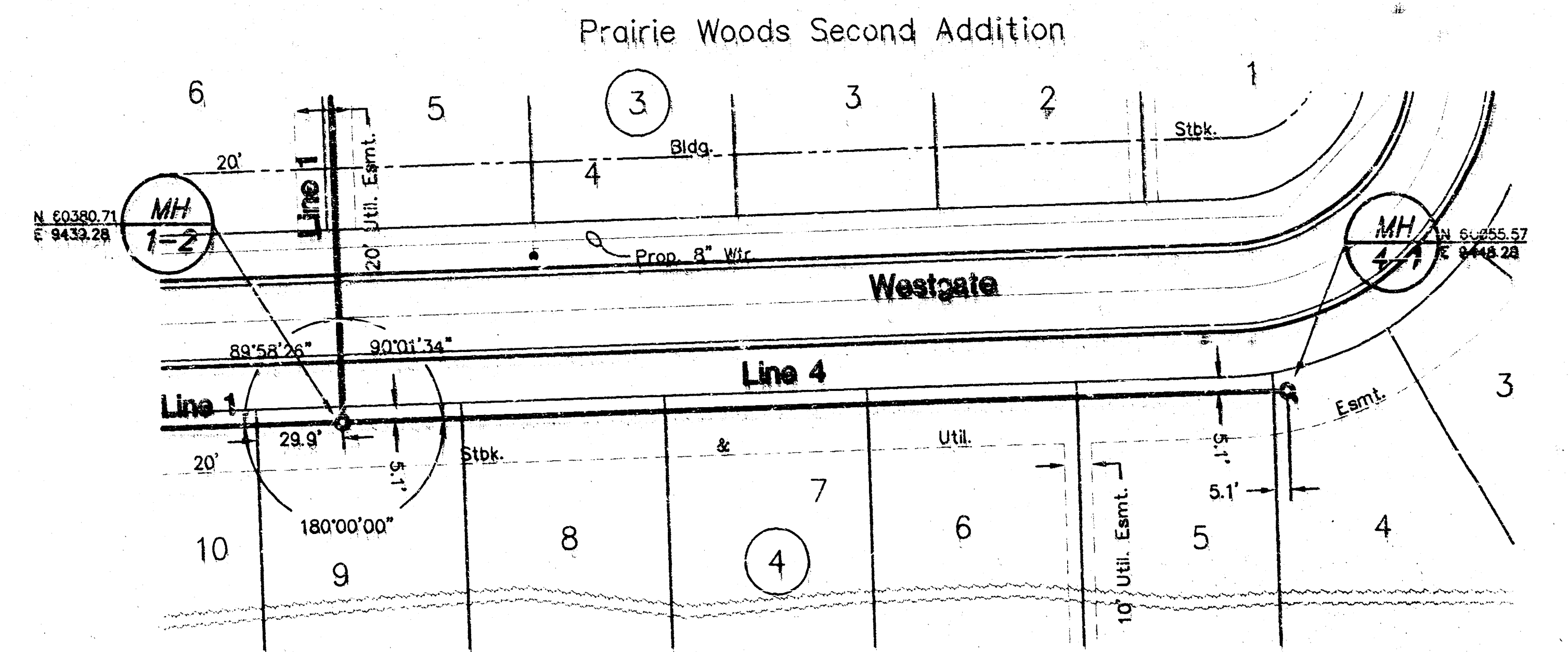
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MH2-0 to MH2-1 (Performed in Earlier Phase)
Easement Grading required from
MH2-1 to MH2-4
For Information Only:
Cut = 149 CY
Fill = 4 CY



Prairie Woods 2nd Addition
Phase 2, Lines 3 & 4
Sanitary Sewer Plans

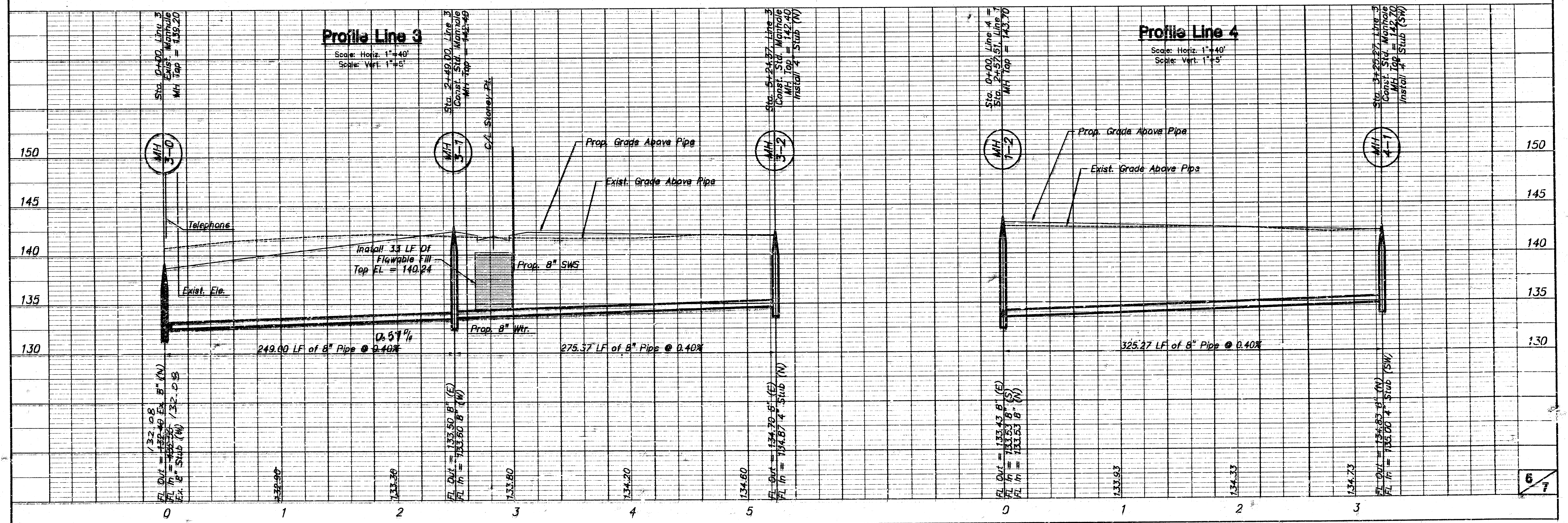


Plan Line 3
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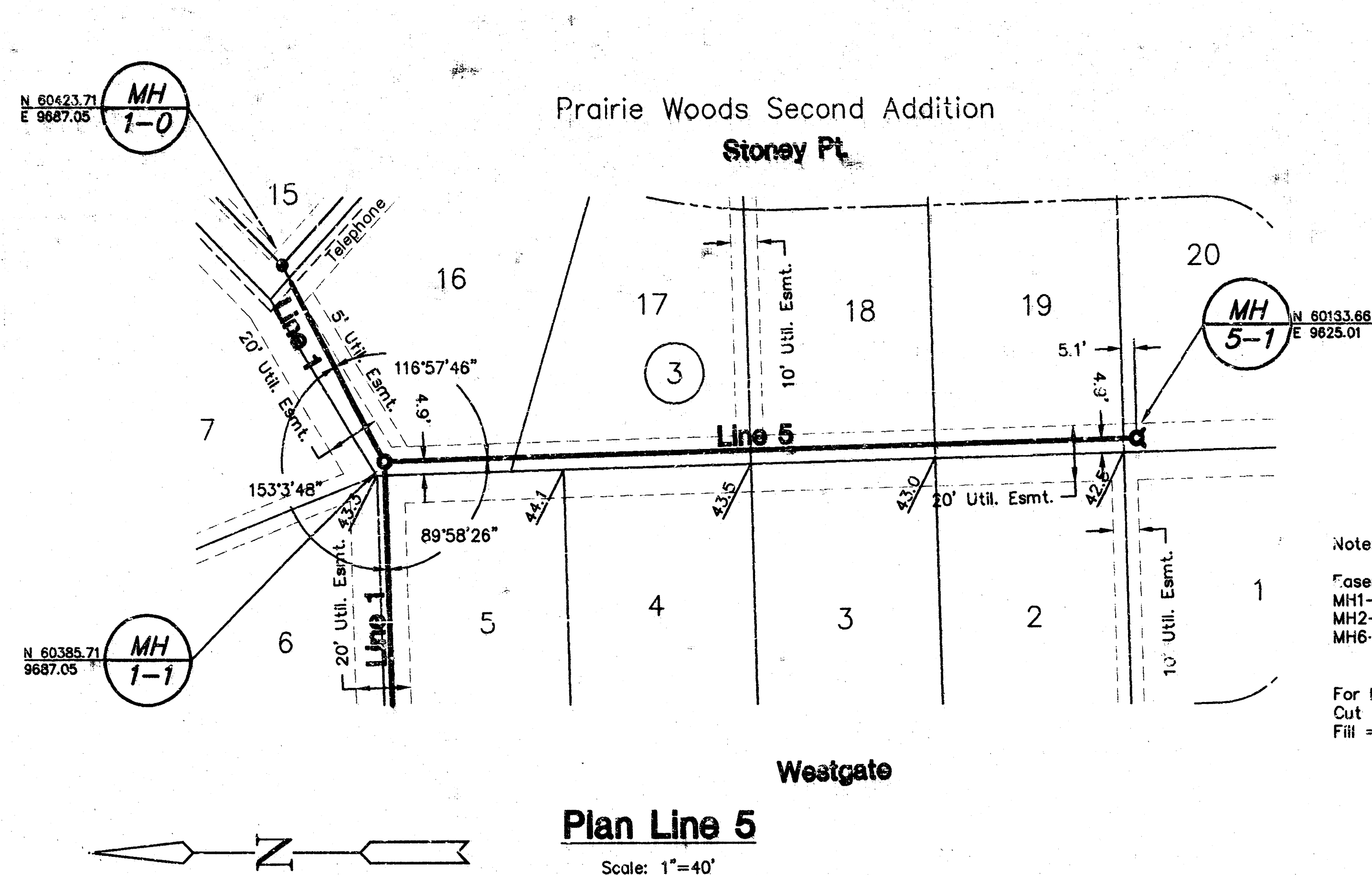


Plan Line 4
Scale: 1"=40'

Note:
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MH3-0 to MH3-2 Nor MH1-2 to MH4-1

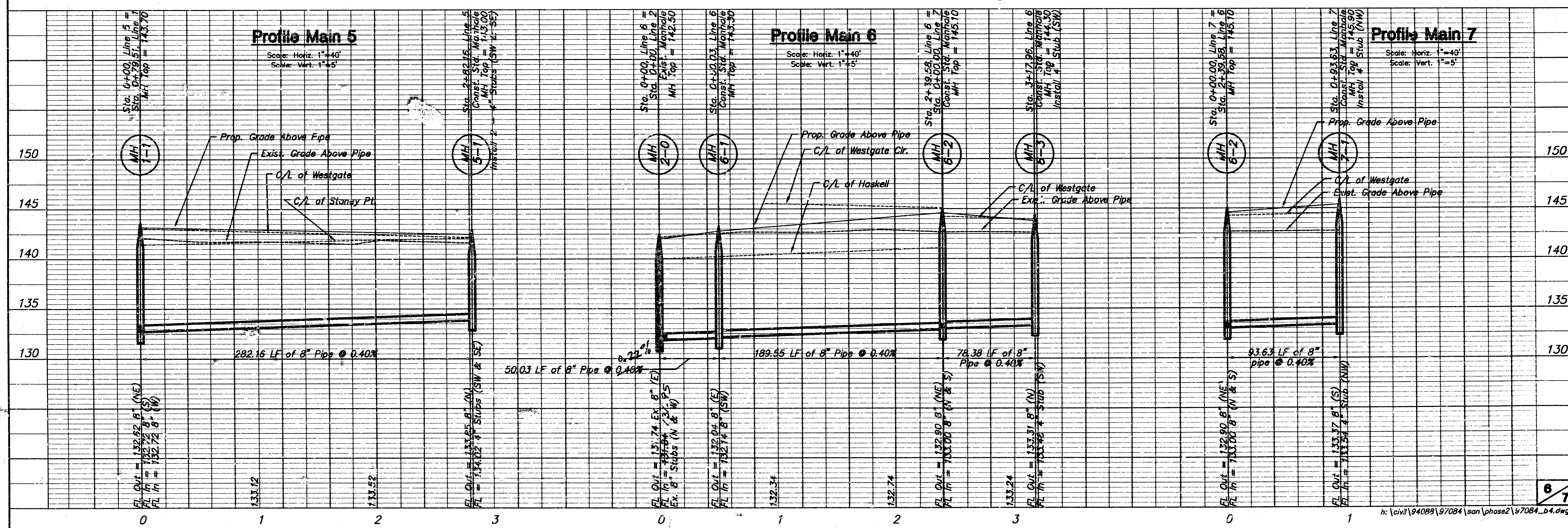
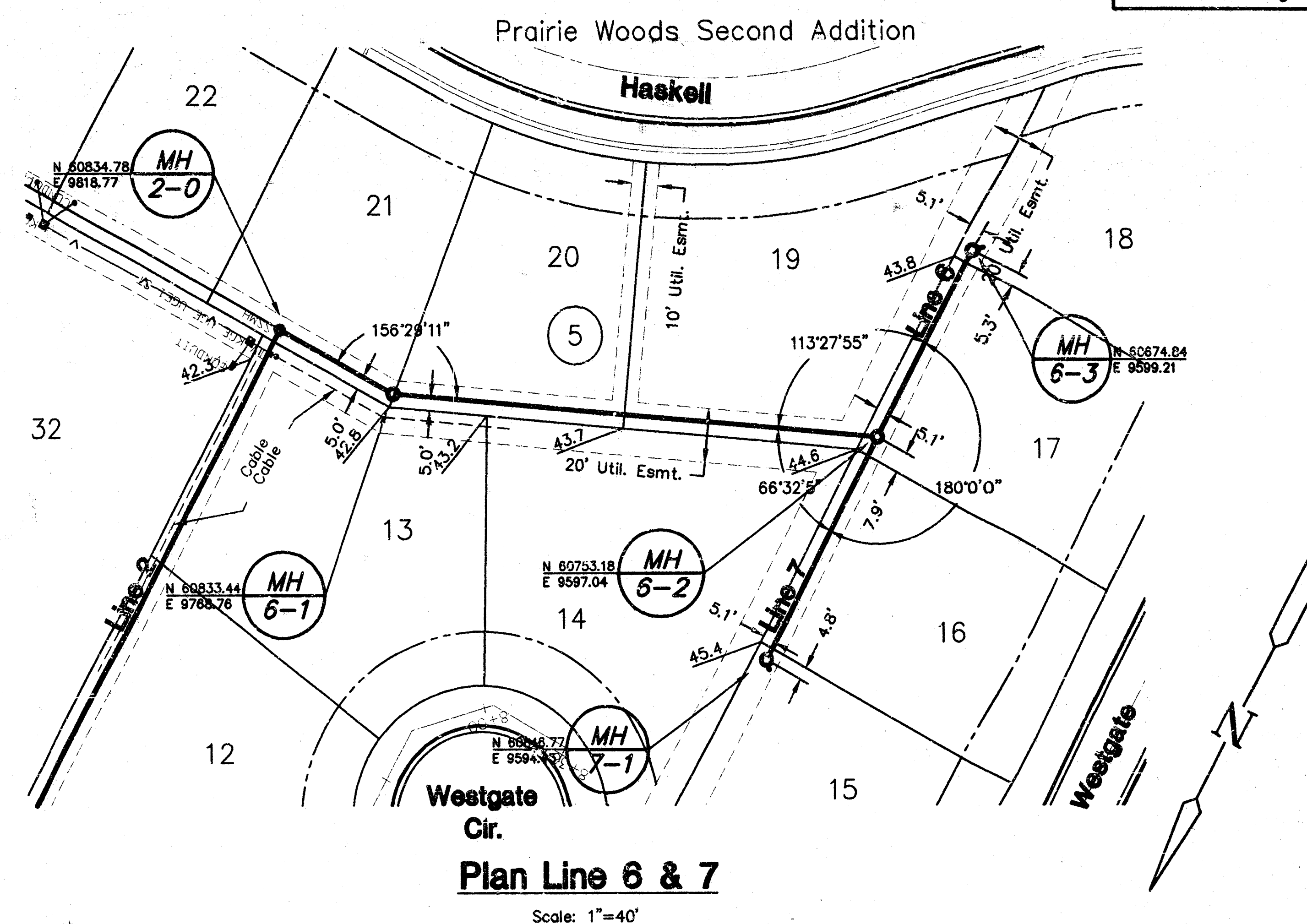


Prairie Woods 2nd Addition
Phase 2, Lines 5, 6 & 7
Sanitary Sewer Plans



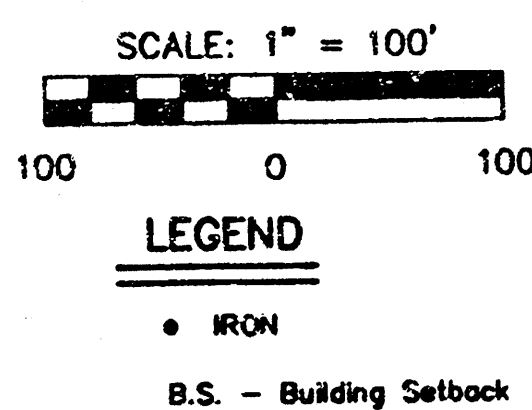
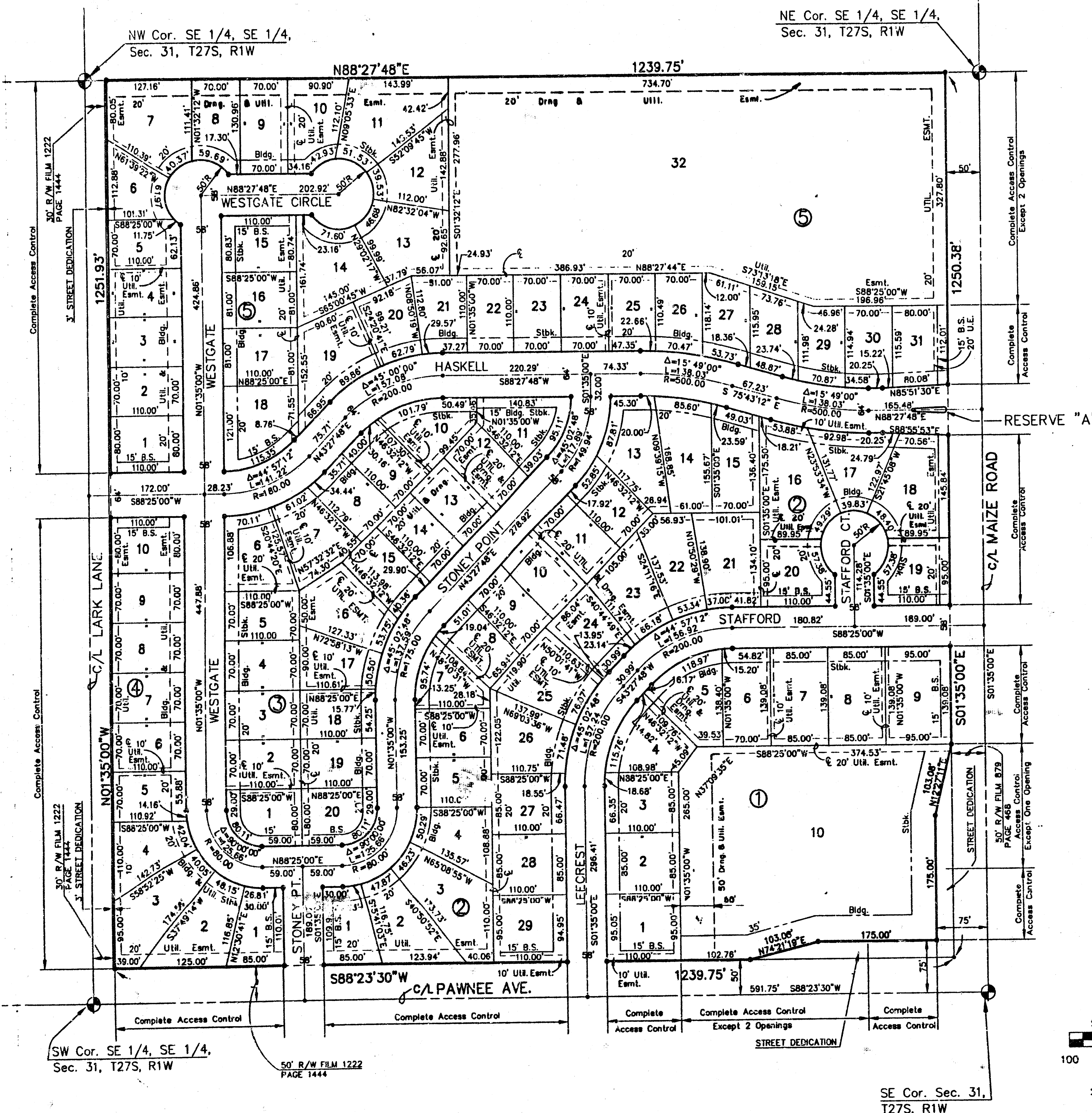
Note:
Assessment Grading required from
MH1-1 to MH5-1,
MH2-0 to MH6-3 &
MH6-2 to MH7-1

For Information Only
Cut = 345 CY
Fill = 0 CY



FINAL PLAT OF PRAIRIE WOODS SECOND ADDITION AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

LIBRARY COPY
SEDGWICK COUNTY, KANSAS
REGISTER OF DEEDS



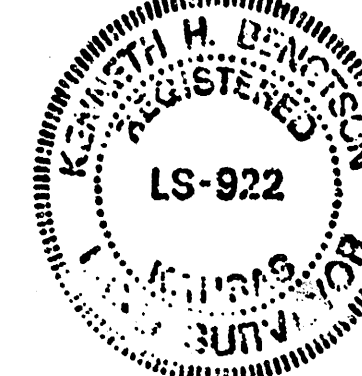
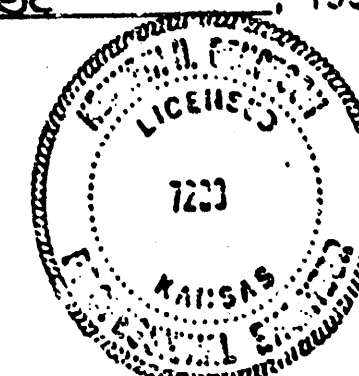
I, Kenneth H. Bengtson, a Civil Engineer and Registered Land Surveyor in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "PRAIRIE WOODS SECOND ADDITION", an addition to Wichita, Sedgwick County, Kansas, into lots, blocks, streets, and reserves the same being accurately set forth in the accompanying plat and described herein:

The Southeast Quarter of the Southeast Quarter of Section 31, Township 27 South, Range 1 West, more particularly described as follows:

Commencing at the Southeast corner of said Southeast Quarter; thence S 88°23'30" W 50.00 feet along the South line of said Southeast Quarter, thence N 01°35'00" W, 50.00 feet parallel with the East line of said Southeast Quarter to the point of beginning, thence S 88°23'30" W 1239.75 feet parallel with the South line of said Southeast Quarter, thence N 01°35'00" W, 1251.93 feet parallel and 30 feet East of the West line of said Southeast Quarter, thence N 88°27'48" E, 1239.75 feet parallel and 50 feet West of the East line of said Southeast Quarter to the point of beginning.

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 17 day of November, 1997.

Kenneth H. Bengtson
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 a lot, blocks, streets and reserve as the same to be known as "PRAIRIE WOODS SECOND ADDITION", an addition to Wichita, Sedgwick County, Kansas. Easements for the construction and maintenance of drainage and utilities, are hereby granted to the city. The streets are hereby dedicated to and for the use of the public. Reserve A is platted for entry monuments and landscaping. The reserves shall be owned and maintained by the homeowners association. All abutters right of access to Maize Road over and across the East line of "PRAIRIE WOODS SECOND ADDITION" are hereby granted to the City of Wichita, provided however that Lot 10, Block 1 shall have access to Maize at one location and Lot 32, Block 5 have access to Maize Road at two locations. All abutters right of access to or from Pawnee Avenue over and across the South line of Prairie Woods Second are hereby granted to the City of Wichita, provided however, Lot 10, Block 1 shall have access to Pawnee Avenue at two locations, all access locations approved by the City Engineer. All abutters right of access to or from Lark Lane over and across the West line of Prairie Woods Second are hereby granted to the City of Wichita.

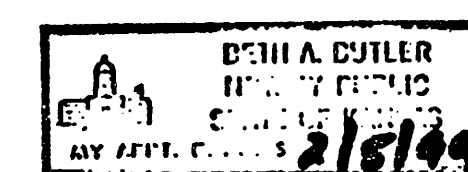
BUILDERS, DEVELOPMENT INC.

Bradley K. Smisor
Bradley K. Smisor, Executive Vice President
STATE OF KANSAS) ss:
SEDGWICK COUNTY)

BE IT REMEMBERED, that on this 17 day of November, 1997, before me the undersigned, a Notary Public in and for the County and State aforesaid, came Bradley K. Smisor, Executive Vice President, Builders Development Inc., to me personally 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.

Beth A. Butler
Notary Public
Beth A. Butler
My appointment expires: Feb. 5, 1999



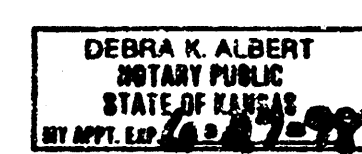
FAIRHAVEN CHRISTIAN CHURCH

Raymond D. Fiegal
STATE OF KANSAS) ss:
SEDGWICK COUNTY)

BE IT REMEMBERED, that on this 29 day of November, 1997, before me the undersigned, a Notary Public in and for the County and State aforesaid, came Raymond D. Fiegal, to me personally 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.

Debra K. Albert
Notary Public
Debra K. Albert
My appointment expires: 6-27-98



We, the Builders Development Inc., do hereby consent to the plat of "PRAIRIE WOODS SECOND ADDITION" on the above described property, do

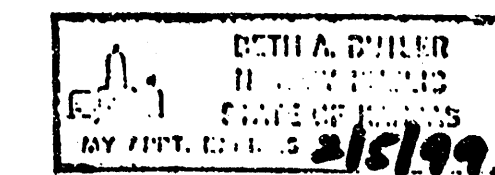
By: *Bradley K. Smisor*
Bradley K. Smisor, Executive Vice President

STATE OF KANSAS) ss:
SEDGWICK COUNTY)

BE IT REMEMBERED, that on this 17 day of November, 1997, before me the undersigned, a Notary Public in and for the County and State aforesaid, came Bradley K. Smisor, Executive Vice President, Builders Development Inc., to me personally 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.

Beth A. Butler
Notary Public
Beth A. Butler
My appointment expires: Feb. 5, 1999



This plat of "PRAIRIE WOODS SECOND ADDITION", has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

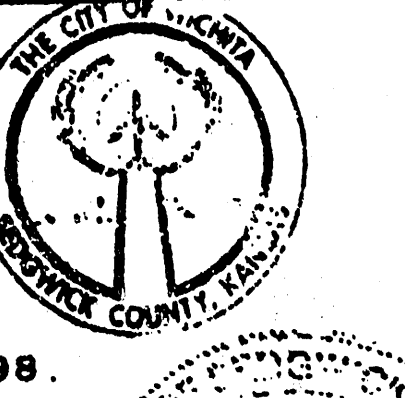
Dated this 17 day of July, 1997.

WICHITA-SEDGWICK COUNTY METROPOLITAN PLANNING COMMISSION
John F. Frye Chairman
Marvin S. Krout Secretary
Marvin S. Krout



This plat approved and all dedications shown thereon, if any, accepted by the City Council of the City of Wichita, Kansas, this 14 day of April, 1998.

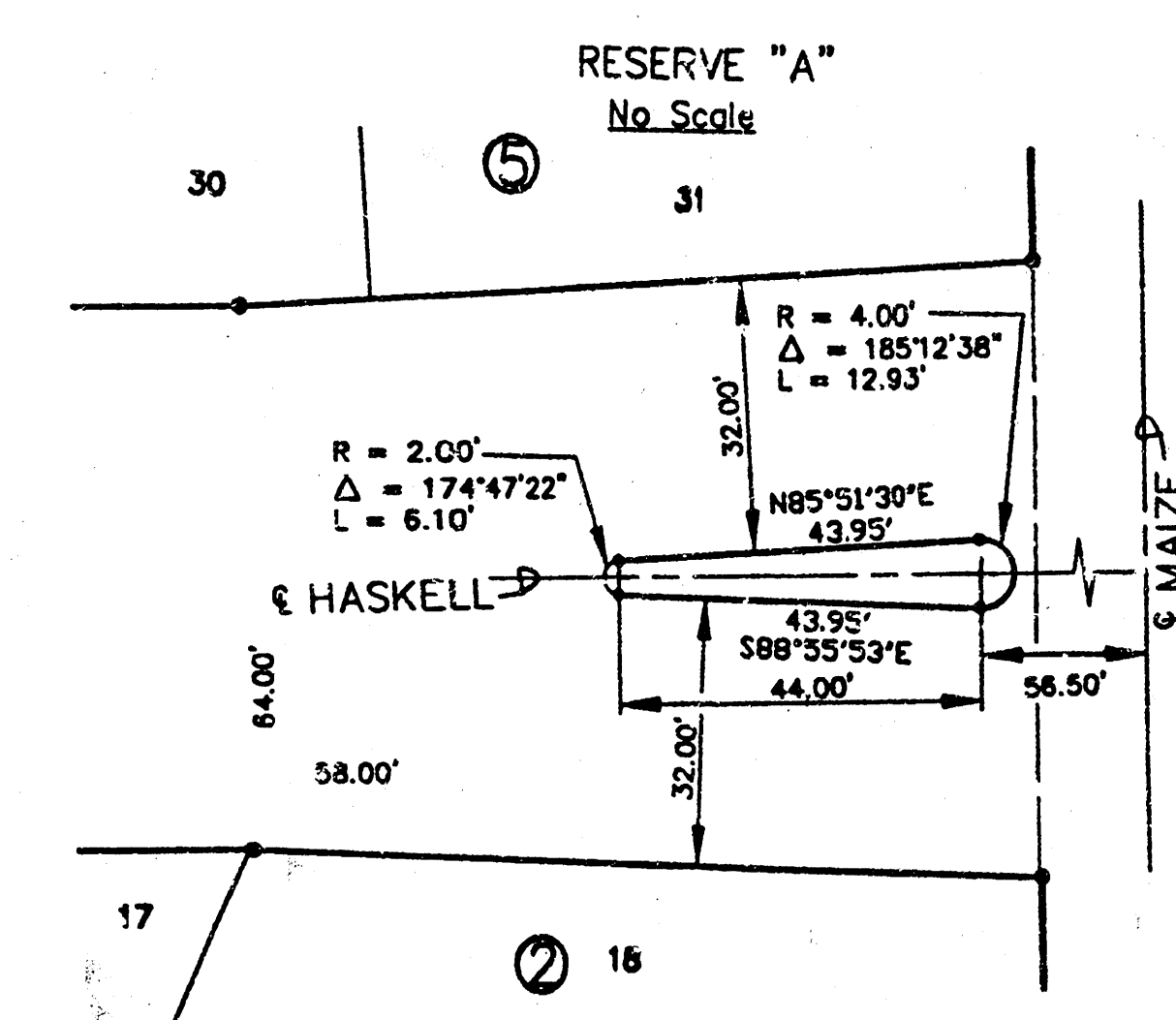
Bob Knight Mayor
Pat Burnett City Clerk
Entered on transfer record this 26 day of June, 1998.
James Alford County Clerk
James Alford



STATE OF KANSAS) ss:
SEDGWICK COUNTY)

This is to certify that this instrument was filed for record in the Register of Deeds office this 26 day of June, 1998.

Bill Meek Register of Deeds
Linda Kizzire Deputy
Linda Kizzire



PC 88-8

18-08-05-11