SANITARY SEWER PLANS

PRAIRIE WOODS ADDITION

LATERAL 345, S.W.I.
PROJECT NO. 468-82462

CITY OF WICHITA, KANSAS

MICHAEL E. LINDEBAK, CITY ENGINEER

INDEX CODE 742247

GENERAL NOTES

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 AND IS 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:

KANSAS ONE-CALL	1-800-344-7233 or 687-2470 (LOCAL WICHITA)

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

SOUTHWESTERN BELL TELEPHONE COMPANY	1-800-734-7590
CABLEVISION	262-0661
KANSAS GAS & ELECTRIC (ELECTRIC)	264-1141
KANSAS GAS & ELECTRIC (GAS)	832-3180 OR 832-3169
CITY OF WICHITA SEWER MAINTENANCE	268-4908
CITY OF WICHITA WATER DEPARTMENT	268-4908

4. 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.

5. COST OF EXCAVATION, HAULING, AND DUMPING OF EXCESS EXCAVATION SHALL BE SUBSIDIARY TO THE PROJECT.

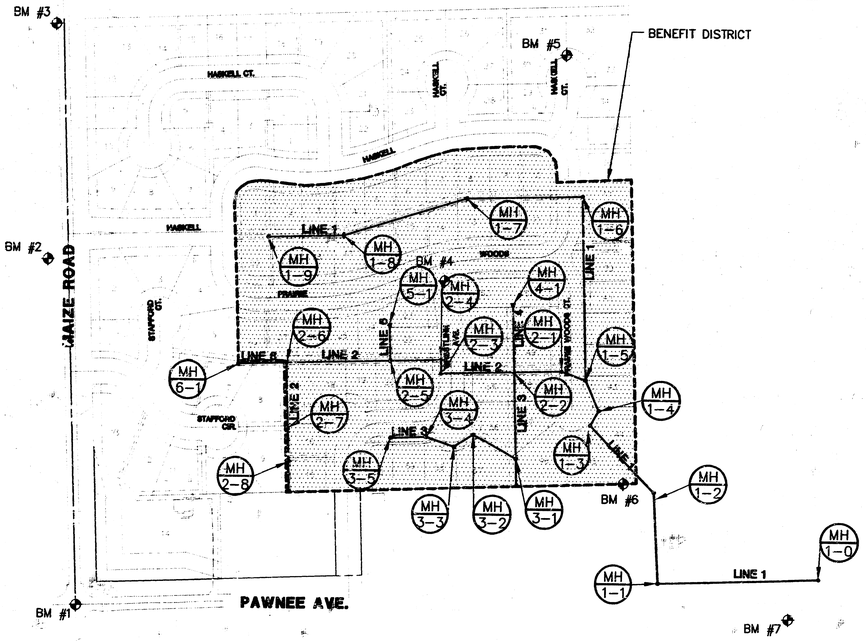
6. A PORTION OF EXCESS EXCAVATED MATERIAL SHALL BE MOUNDED AROUND MANHOLES WHICH EXTEND MORE THAN ONE (1) FOOT ABOVE THE EXISTING GROUND. SUCH MOUNDS SHALL BE CONSTRUCTED WITH A SIX (6) FOOT DIAMETER FLAT TOP WITH 4 TO 1 SIDE SLOPES DOWN TO THE ORIGINAL GROUND. THE ELEVATION OF THE FLAT TOP OF THE MOUND SHALL BE 0.4 FOOT BELOW THE TOP OF THE MANHOLE.

7. ALL STUBS AND PLUGGED PIPES SHALL BE LOCATED WITH GREEN PLASTIC TAPE IN THE SAME MANNER AS RISERS.

8. PRIOR TO LAYING SEWER LINES USING EXISTING STUBS IN EXISTING MANHOLES, THE CONTRACTOR SHALL EXPOSE AND VERIFY THE ELEVATION, GRADE AND ALIGNMENT OF EXISTING STUBS AND NOTIFY THE ENGINEER OF ANY DEVIATION FROM THE PLAN. WHERE CONNECTION TO AN EXISTING MANHOLE THAT DOES NOT HAVE AN EXISTING STUB OR THE STUB IS UNUSABLE DUE TO ELEVATION GRADE OR ALIGNMENT, THE CONTRACTOR SHALL RESHAPE THE EXISTING MANHOLE INVERT TO PROVIDE SMOOTH FLOW. THE COST OF RESHAPING EXISTING MANHOLE INVERTS IS INCIDENTAL TO THE PROJECT.

9. 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.

10. ALL DISTURBED AREAS TO BE SEEDED WITH RYE GRASS AT A RATE OF 200LBS./ ACRE WITHIN 10 DAYS OF CONSTRUCTION. COST SHALL BE SUBSIDIARY TO PROJECT.

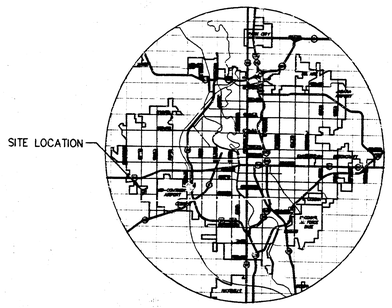


N

SCALE: 1" = 150'

LEGEND

• IRON



LOCATION MAP

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2,3	DETAILS
4	LINE 1
5	LINE 1
6	LINE 2
7	LINE 3 & LINE 4
8	LINE 5 & LINE 6
9	FINAL PLAT

BENCHMARKS

BM #1 COW BENCH MARK. SW CORNER OF INTERSECTION OF MAIZE AND PAWNEE.
ELEV. = 135.12

BM #2 TOP OF STEEL "T" POST 5' FROM IP SW COR. HASKELL ROAD
ELEV. = 137.87

BM #3 "□" CUT ON WEST SIDE OF MAIZE ROAD ON SOUTH R.C.P.
ELEV. = 138.93

BM #4 TOP OF STEEL "T" POST 5'S. & 5'W. OF SW COR. OF PRAIRIE WOODS & CRESTLINE
ELEV. = 125.69

BM #5 TOP OF STEEL "T" POST 5' N. OF PROP. COR., N. POINT OF HASKELL CT. (EAST)
ELEV. = 125.69

BM #6 STEP SPIKE IN 6" HACKBERRY TREE 26' W. OF SE. COR OF PLAT
ELEV. = 128.22

BM #7 "□" CUT ON TOP CURB 15' S.& 4' W. OF FIRE HYDT. SE. COR PAWNEE & YELLOWSTONE
ELEV. = 122.67

GREGORY J. ALLISON LICENSED KANSAS PROFESSIONAL ENGINEER

MID-KANSAS ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
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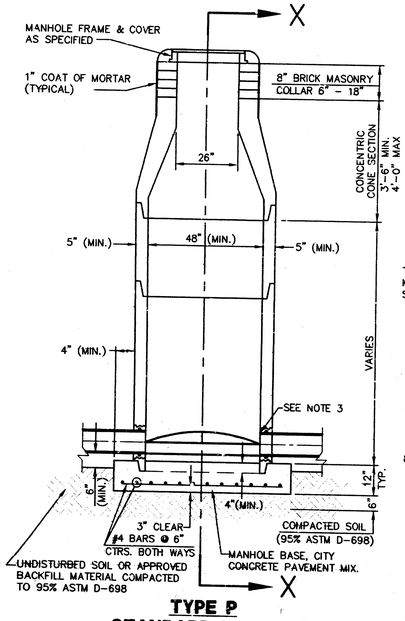
PRAIRIE WOODS ADDITION
PROJECT NAME

TITLE SHEET
SHEET TITLE

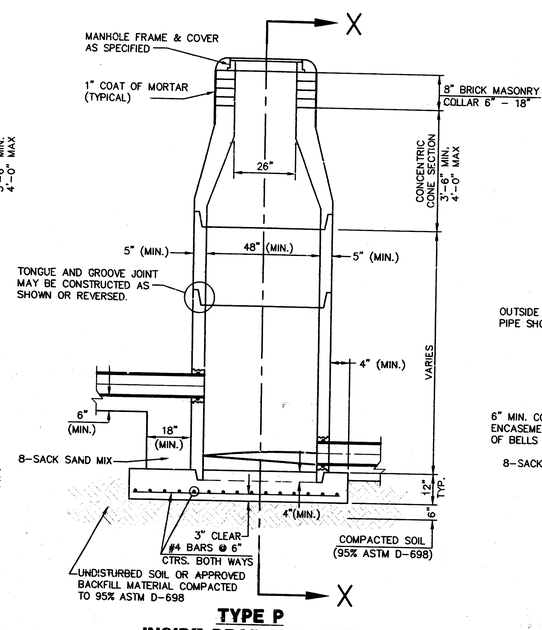
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DATE	JOB NO.	SHEET/OF

SEWER APPURTENANCES DETAILS

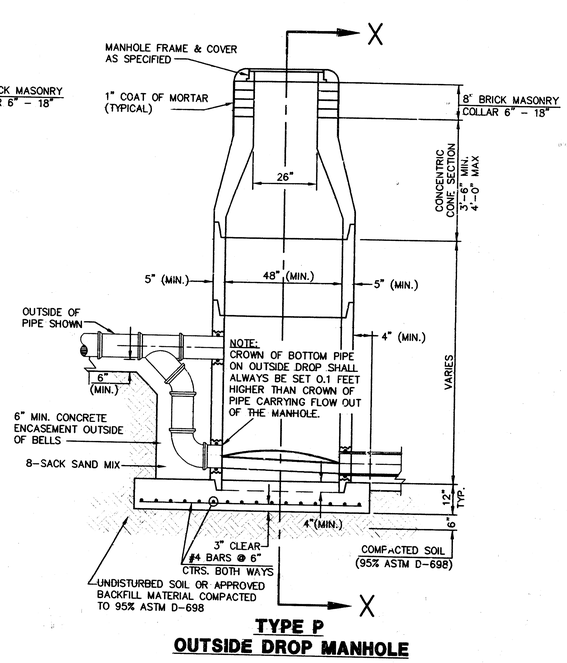
ADOPTED AS STANDARD DESIGN BY CITY OF WICHITA



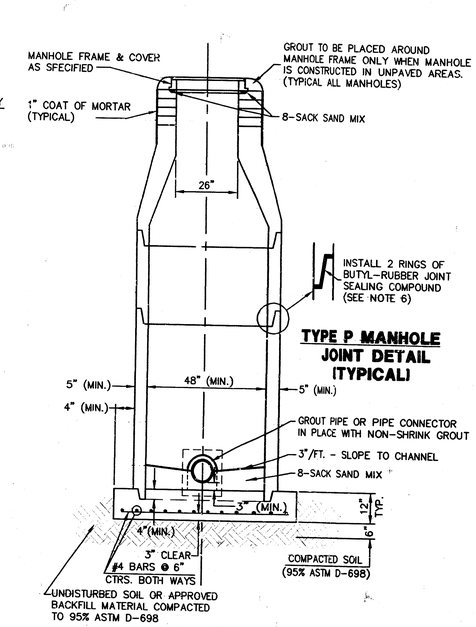
TYPE P
STANDARD MANHOLE



TYPE P
INSIDE DROP MANHOLE



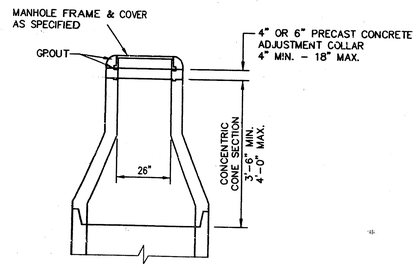
TYPE P
OUTSIDE DROP MANHOLE



SECTION X
(TYPICAL)

GENERAL NOTES - PRECAST MANHOLE NOTES

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 V.C.P. 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 TNEMEC SERIES 66 HI-BUILD EPOXOLINE, DRY THICKNESS OF 8 MILS (MIN.)
5. EXTERIOR MANHOLE WALLS SHALL BE COATED WITH 1 COAT MOBILARMA 633 BITUMINUS 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. 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.



ALTERNATE CONSTRUCTION
IN UNPAVED AREAS

MID-KANSAS ENGINEERING CONSULTANTS, INC.
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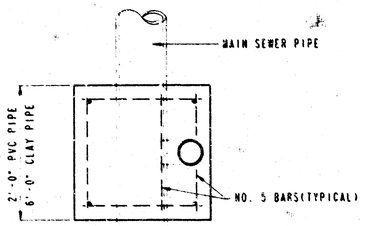
PRAIRIE WOODS ADDITION
PROJECT NAME

MANHOLE DETAILS
SHEET TITLE

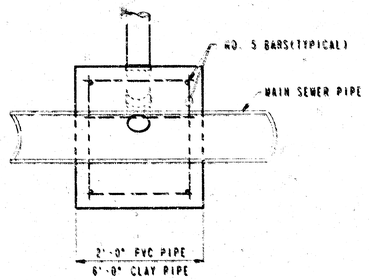
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DATE	JOB NO.	SHEET/OF

H:\WICHITA\9488\SHEETS\9488DT Thu Apr 13 15:16:01 1995

VERTICAL RISER DETAILS
ADOPTED AS STANDARD DESIGN
BY
CITY OF WICHITA, KANSAS
OCTOBER 1992

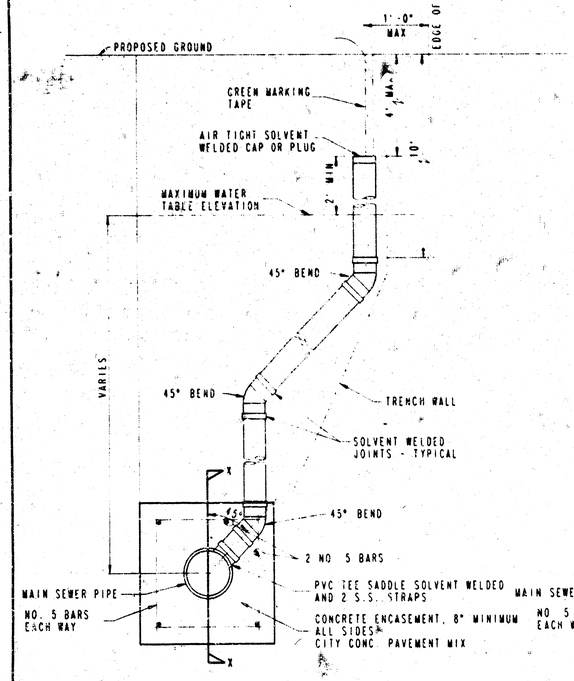


TYPICAL PLAN VIEW

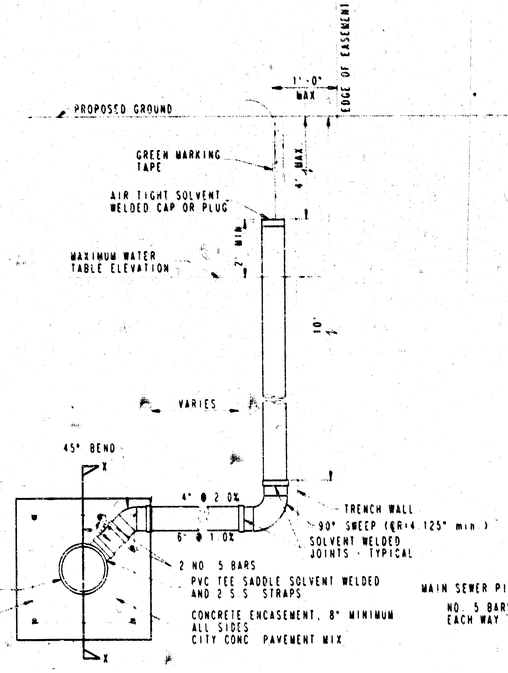


TYPICAL SECTION X-X

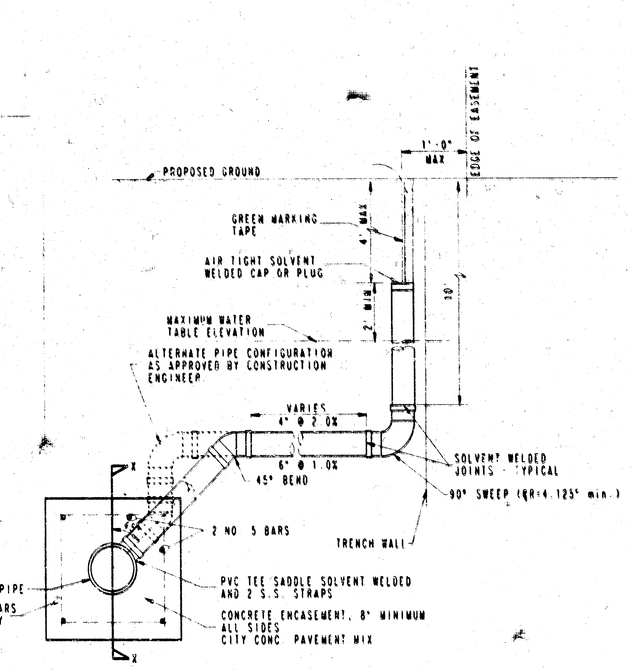
PLAN CHECKED CHECKED DATE BY



METHOD "A"



METHOD "B"



METHOD "C"

NOTE: RISER PIPE REQUIREMENTS AT MANHOLE STUBS SHALL BE SIMILAR TO THOSE SHOWN ABOVE.

GENERAL NOTES

1. RISERS. Risers shall be installed to serve all lots or tracts where the sanitary sewer main is below the sewer house. Risers shall also be installed to serve all lots and tracts where the sanitary sewer main depth is greater than 12 feet below the proposed ground elevation. Installation of risers because of field conditions shall be as approved by the Construction Engineer. The location of the risers to serve developed property shall be approved by the property owner and the Construction Engineer.

2. PIPE STUBS. Pipe stubs shall be installed in manholes where locations of manholes will provide satisfactory service connection as determined by the Construction Engineer. The vertical distance between the invert elevation of the manhole pipe stub and the flowline of the sanitary sewer main out of the manhole shall not exceed 2 feet. Risers shall be utilized on manhole pipe stubs as indicated in note 1. Manhole pipe stubs shall be set such that the top of the stub is not lower than the top of the sanitary sewer main.

3. SIZING. Pipe stubs and risers shall be sized according to the plans and riser table where risers are indicated by the plans. Where risers or pipe stubs are required because of field conditions, the risers and stubs shall be six-inch diameter for commercial or industrial properties and 4" or 6" diameter for residential properties, based on lot size and sanitary sewer main depth. Sizing of risers and stubs shall be approved by the Construction Engineer prior to installation.

4. RISER OR STUB MATERIAL. Risers and stubs shall be constructed of SDR 35 PVC Pipe or Schedule 40 PVC Pipe, meeting the requirements of the latest revision of A.S.T.M. All pipe joints shall be solvent welded.

5. REINFORCED CONCRETE ENCASEMENT. Riser connections to clay pipe sanitary sewers shall be reinforced concrete encased both ways from the riser centerline. The reinforced concrete encasement shall extend three feet from the riser centerline or stub on the first sanitary sewer pipe joint within three feet of the riser centerline. Riser connections to PVC Sanitary Sewer mains shall be reinforced concrete encased six feet each way from the riser centerline. The concrete encasement shall be reinforced using reinforcing steel as shown on the appropriate drawing. The concrete shall conform to the City Standard Specifications for concrete pavement.

6. BEDDING. Bedding around the sanitary sewer risers shall be compacted Pipe Bedding Type 1 or 2. The bedding shall be placed and compacted from the depth of the sanitary sewer main to the top of the sanitary sewer riser pipe. Compacted Pipe Bedding Type 1 or 2 shall be required for all risers constructed in vertical wall or sloped wall trenches. Bedding material and construction practices shall be approved by the Construction Engineer prior to installation.

7. SUPPORT OF RISERS. Sanitary sewer riser pipe shall be supported during trench backfill. The riser pipe shall be held in a vertical position at all times while trench backfill and compaction has been completed. Contractor's methods for supporting and backfilling the riser pipe shall be approved by the Construction Engineer.

8. PLUGGING. The ends of the riser pipes and manhole stubs shall be plugged using an airtight solvent welded cap or plug. Cap or plug fittings shall be approved by the Construction Engineer prior to installation. Caps or plugs which do not provide an airtight seal will not be accepted.

9. TOP OF THE RISER PIPE. The top elevation of the sanitary sewer riser pipe shall be built per plan elevation, unless otherwise directed by the Construction Engineer. Where riser elevations are not shown on the plans, the top of the risers shall be set at an elevation four feet below the proposed ground surface. If ground water is encountered, the top of the riser pipe shall be set at an elevation two feet (min.) above the maximum water table elevation, regardless of the riser elevation shown on the plans.

10. MARKING. Locations of the ends of the sanitary sewer riser pipe shall be marked by fastening green colored plastic tape to the end of the riser. The tape shall be supported by a length of wooden 2 x 4, extending from the top of the riser pipe to the proposed ground surface. The green tape shall be visible and at least one foot above the proposed ground surface. The green tape shall be 4 mil Polyethylene film with a minimum width of three inches, specifically manufactured for the purpose of identification of underground sewers.

11. LOCATION MEASURES. The project inspector shall record and document the location of all risers constructed as measured from the nearest manhole, indicating the direction from the manhole, the direction and distance from the main, riser size, and elevation of the top of riser.

12. RISER LOCATION. The riser shall be located per plan if shown or not shown on the plan, the riser shall be located at the center of the lot, within one foot of the property side of the easement for the lot being served. All riser locations shall be approved by the Construction Engineer prior to installation.

13. PAYMENT. "Sanitary sewer risers" shall be paid for at the contract unit price per each, which price shall be full compensation for all pipe, fittings, marking tape, length of wooden 2 x 4, reinforced concrete encasement, support during backfill, backfill, labor, site restoration, and any other items necessary to complete the work.

"Manhole stubs" shall be paid for at the contract unit price per each, which shall be full compensation for all labor, material, and incidents necessary to complete the work including all pipe, fittings, reinforced concrete encasement and all other items as required and listed for "Sanitary Sewer Risers".

10 - 14 - 1 - 11

PRAIRIE WOODS ADDITION
PHASE I SANITARY SEWER
PROJ. # 468-82462

REMOVE AND REPLACE FENCE AS REQUIRED. COST SUBSIDIARY TO SITE PREPARATION.

REMOVE AND REPLACE CMP AS REQUIRED. COST SUBSIDIARY TO SITE PREPARATION.

PROTECT BARRICADE. DO NOT REMOVE WITHOUT THE ENGINEERS APPROVAL. IF REMOVED, CONTRACTOR SHALL CONSTRUCT TEMPORARY BARRICADE AND REINSTALL EXISTING AT END OF PROJECT. COST SUBSIDIARY TO SITE PREPORATION & RESTORATION.

TREES SHALL BE PRESERVED

REMOVE ABANDONDED FORCE MAIN AND PLUG ENDS AS REQUIRED. COST SUBSIDIARY TO PIPE INSTALLATION.

REMOVE AND REPLACE EXISTING DRIVEWAY WITH SAME. COST SUBSIDIARY TO SITE PREPARATION.

INSTALL SHARPS IMPROVED BUFFALO GRASS SEED OR APPROVED EQUAL AT 3 LBS./1,000 SQ. FT. PER LIVE SEED. NO MULCHING REQUIRED (WITHIN PARK DEPARTMENT PROPERTY)

REMOVE AND REINSTALL BARRICADE AS REQUIRED. COST SUBSIDIARY TO SITE PREPARATION & RESTORATION.

SIDE TRIM TREES AS REQUIRED DO NOT REMOVE TREES WITHOUT PERMISSION FROM THE ENGINEER COST SUBSIDIARY TO SITE PREPARATION

EXIST. 20' UTILITY EASEMENT BY SEPARATE INSTRUMENT

THE PARK

PAWNEE

PRAIRIE

PARK

PRAIRIE WOODS ADDITION

PAWNEE AVE.

YELLOWSTONE

Exist. 8" Wtr.

Exist. 12" Wtr.

Exist. 8" San. Sewer

Exist. 12" Pvt. San. Sewer

Abandoned Force Main

Prop. 12" Waterline

Prop. Gravel Road

Prop. Main

Exist. SWB Force Main

(2) SWB CABLES 200 PR. & 50 PR.

308.26'

KG&E ELEC.

BARRICADE

Park Dr.

Prop. Gravel Road

Prop. 8" WATERLINE

Prop. Gravel Road

Prop. Curb

Prop. Gravel Road

Prairie Woods Ct.

Existing Wedge Area

20' Util. Easmt.

RISER TABLE			
LOT–BLK	STA.	FL(8")	TOP RISERS
44–1	7+00	112.00	117.5
43–1	8+50	112.80	120.0

SCALE: 1"= 40'
0 20 40 80

PLAN-LINE 1

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

STA. 0+04.08 EXIST. MANHOLE MH TOP=118.76
STA. 3+28.39 CONST. STD. MANHOLE MH TOP=124.8
STA. 5+80.49 CONST. STD. MANHOLE MH TOP=125.7
STA. 7+90.55 CONST. STD. MANHOLE MH TOP=131.5
STA. 8+28.48 CONST. STD. MANHOLE MH TOP=131.5
STA. 9+03.32 LINE 1 0+00.00 LINE 2 CONST. STD. MANHOLE MH TOP=130.7

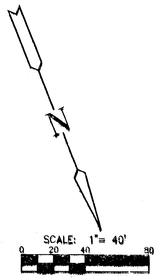
PROP. GROUND ABOVE PIPE (BY OTHERS)
EXIST. GROUND ABOVE PIPE
PROP. TOP CURB PRAIRIE WOODS CT.
GROUND ABOVE PIPE
ABANDONED FORCE MAIN (PROFILE FROM ORIGINAL PLANS)
EXIST. 8" SAN. SEWER
ABANDONED FORCE MAIN
EXIST. 12" SEWER LINE

374.31 L.F. OF 8" PIPE @ 0.4%
202.10 L.F. OF 8" PIPE @ 0.4%
210.08 L.F. OF 8" PIPE @ 0.4%
37.93 L.F. OF 8" PIPE @ 0.4%
74.84 L.F. OF 8" PIPE @ 0.4%

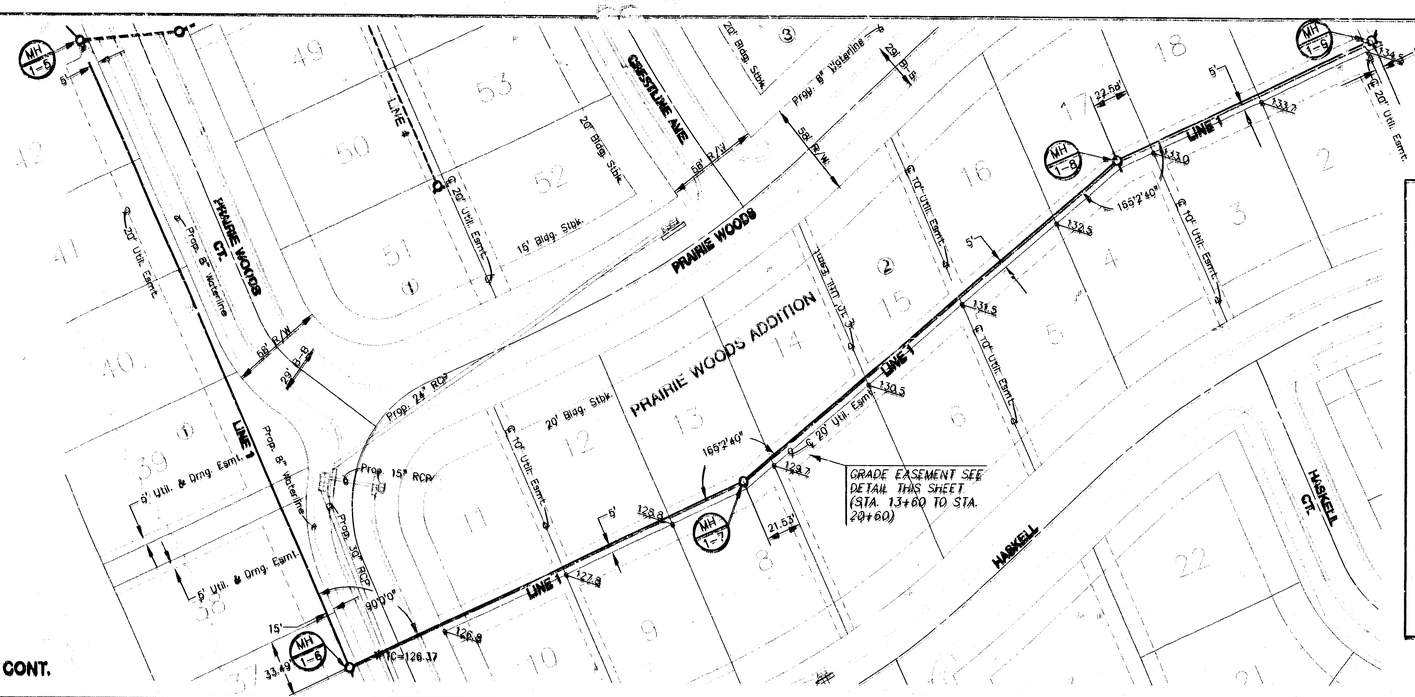
FL. IN=108.56 (EXIST. 12")(SW)
FL. OUT=108.56 (EXIST. 12")(SE)
FL. IN=109.01 (8")(W)
109.39
109.79
110.19
FL. OUT=110.51 (8")(E)
FL. IN=110.51 (8")(W)
110.69
111.09
FL. OUT=111.42 (8")(S)
FL. IN=111.52 (8")(NW)
111.59
111.99
FL. OUT=112.36 (8")(SE)
FL. IN=112.46 (8")(NE)
FL. OUT=112.61 (8")(SW)
FL. IN=112.71 (8")(NW)
FL. OUT=113.01 (8")(SE)
FL. IN=113.11 (8")(N)(W)

135
130
125
120
115
110
105
0 1 2 3 4 5 6 7 8 9 10 11

RISER TABLE			
LOT-BLK	STA.	FL(8")	TOP RISERS
39-1	11+60	114.14	119.0
38-1	12+45	114.48	119.0
42-1	9+50	113.30	120.0
41-1	10+20	113.59	119.0
40-1	10+90	113.86	119.0
1-2	18+35	116.24	120.0
14-2	16+45	116.28	120.0
6-2	17+15	116.56	120.0
15-2	17+25	116.60	122.0
5-2	17+95	116.88	122.0
16-2	18+05	116.92	122.0
3-2	19+40	117.56	123.5
18-2	19+50	117.60	123.5
2-2	20+20	117.88	124.5
19-2	20+10	117.84	124.5

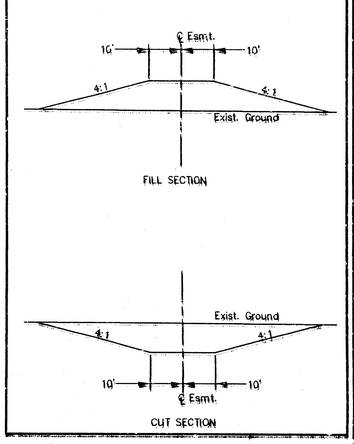


PLAN-LINE 1 CONT.



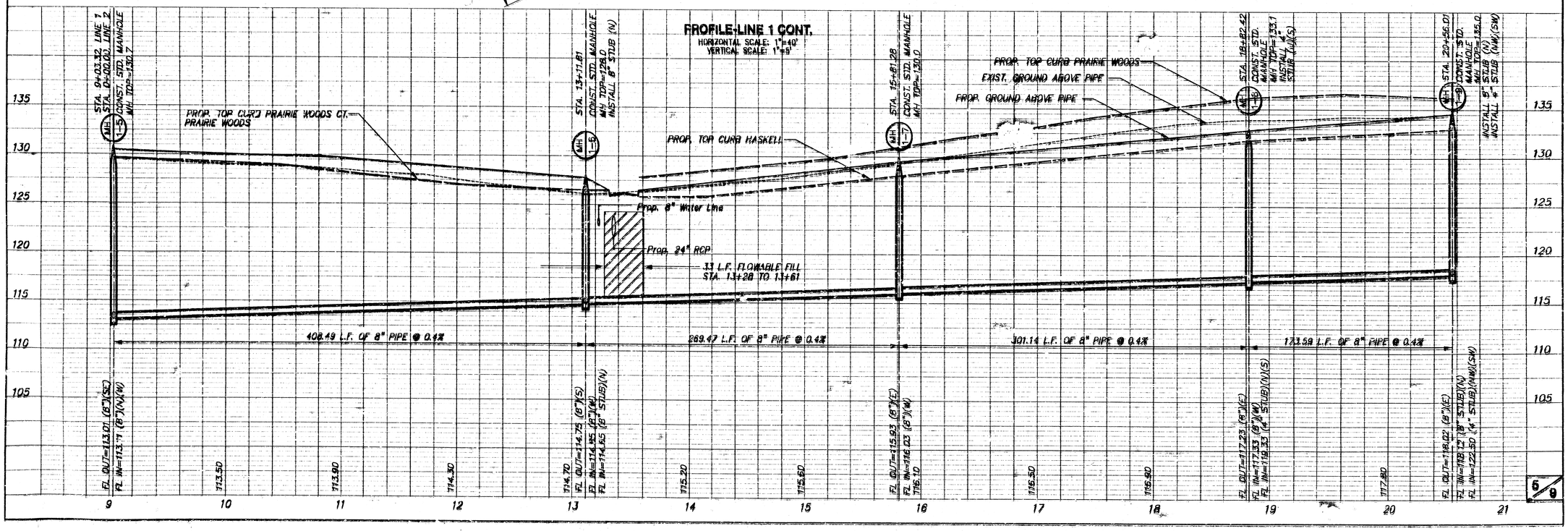
PRAIRIE WOODS ADDITION
PHASE I SANITARY SEWER
PROJ. # 466-82462

EASEMENT GRADING DETAIL



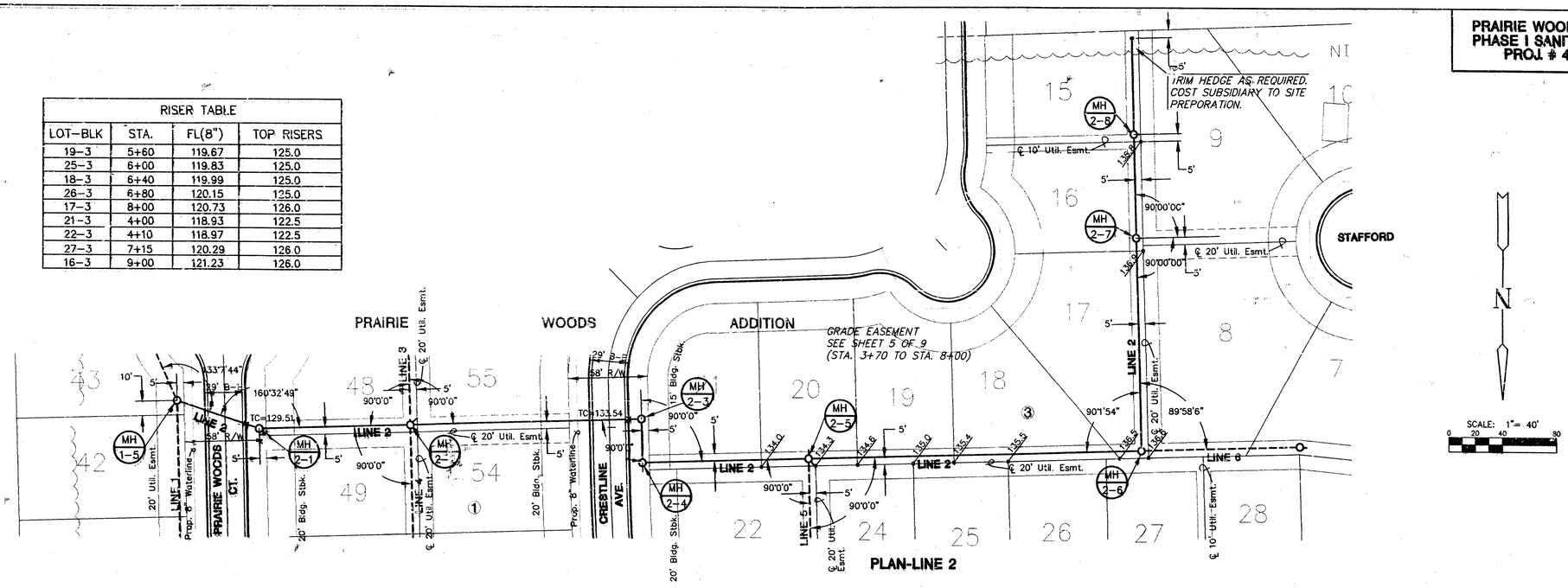
PROFILE-LINE 1 CONT.

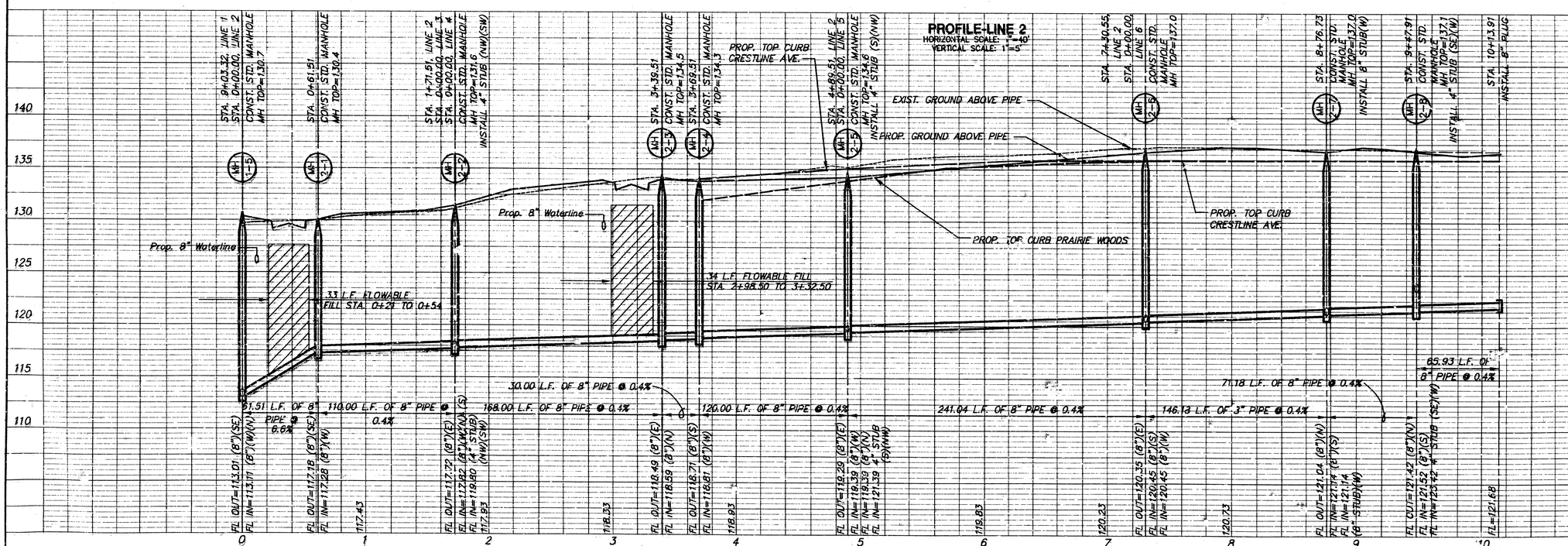
HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=5'



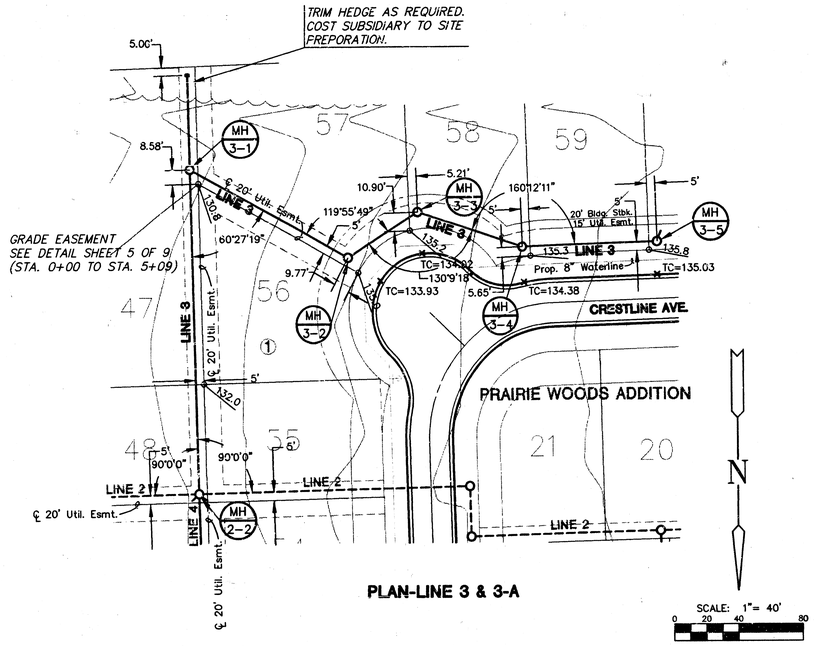
PRAIRIE WOODS ADDITION
PHASE I SANITARY SEWER
PROJ. # 488-82462

RISER TABLE			
LOT–BLK	STA.	FL(8")	TOP RISERS
19–3	5+60	119.67	125.0
25–3	6+00	119.83	125.0
18–3	6+40	119.99	125.0
26–3	6+80	120.15	125.0
17–3	8+00	120.73	126.0
21–3	4+00	118.93	122.5
22–3	4+10	118.97	122.5
27–3	7+15	120.29	126.0
16–3	9+00	121.23	126.0

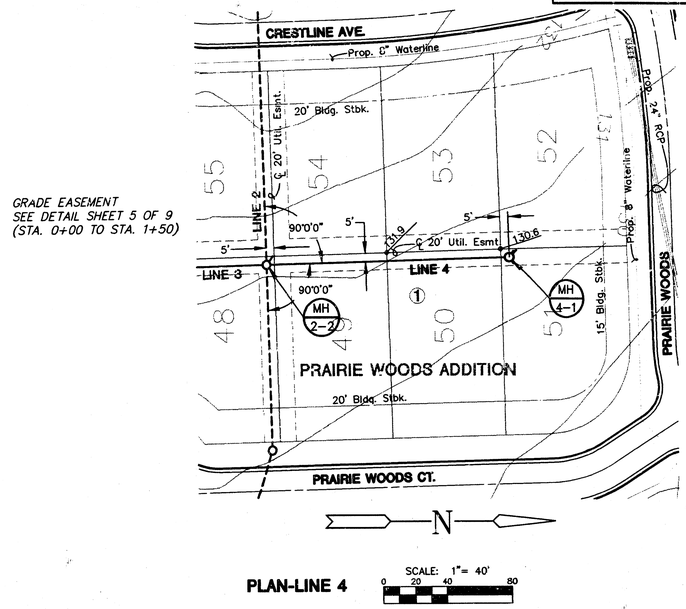




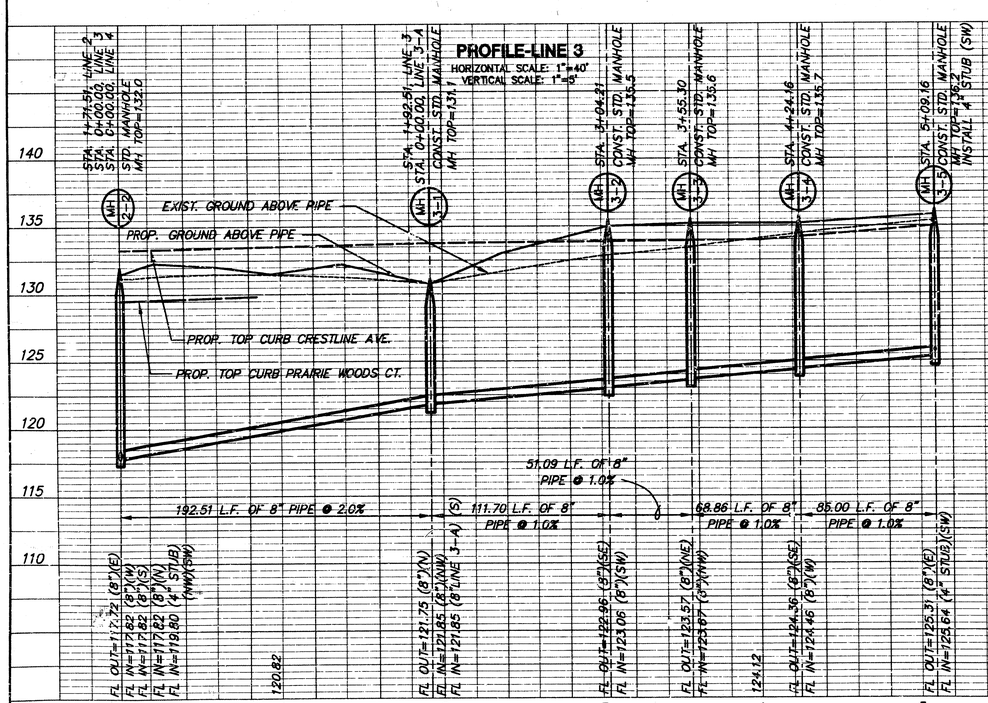
PRAIRIE WOODS ADDITION
PHASE I SANITARY SEWER
PROJ. # 466-82462

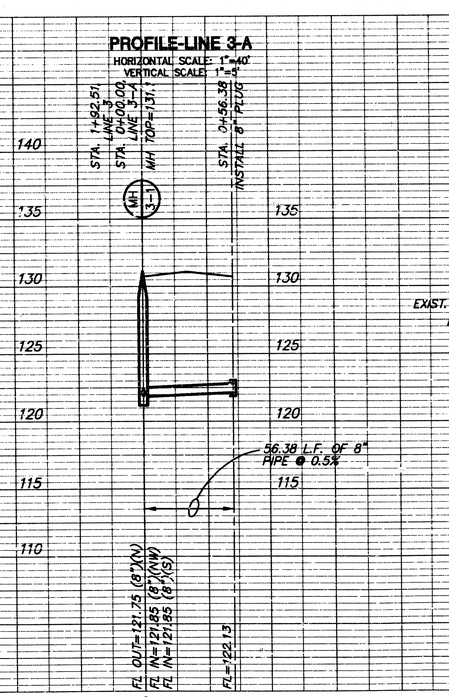


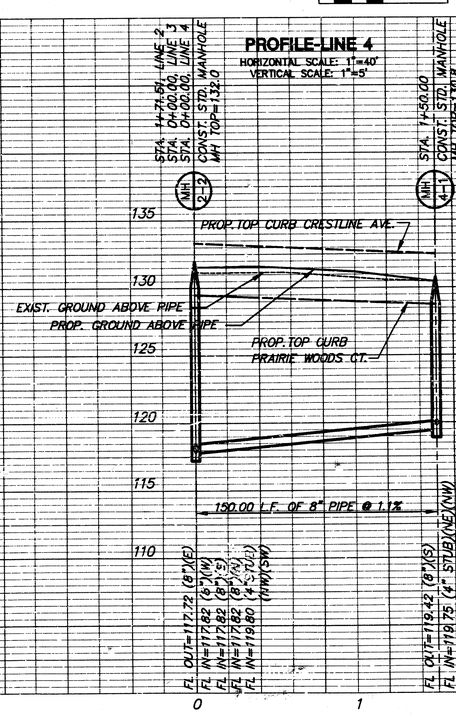
PLAN-LINE 3 & 3-A



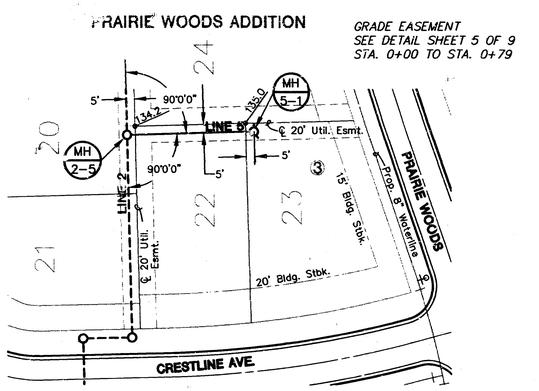
PLAN-LINE 4



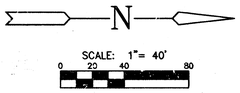


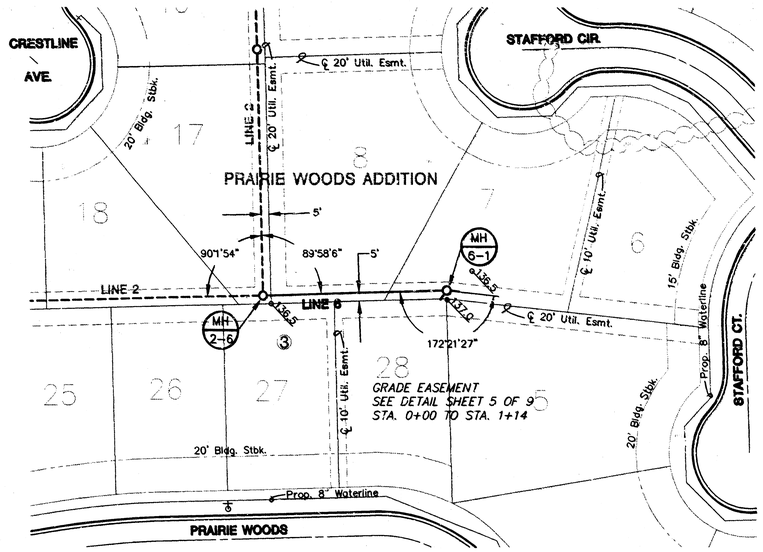


PRAIRIE WOODS ADDITION
PHASE I SANITARY SEWER
PROJ. # 468-82462

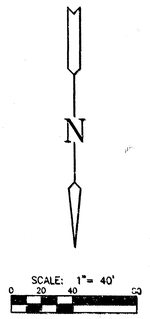


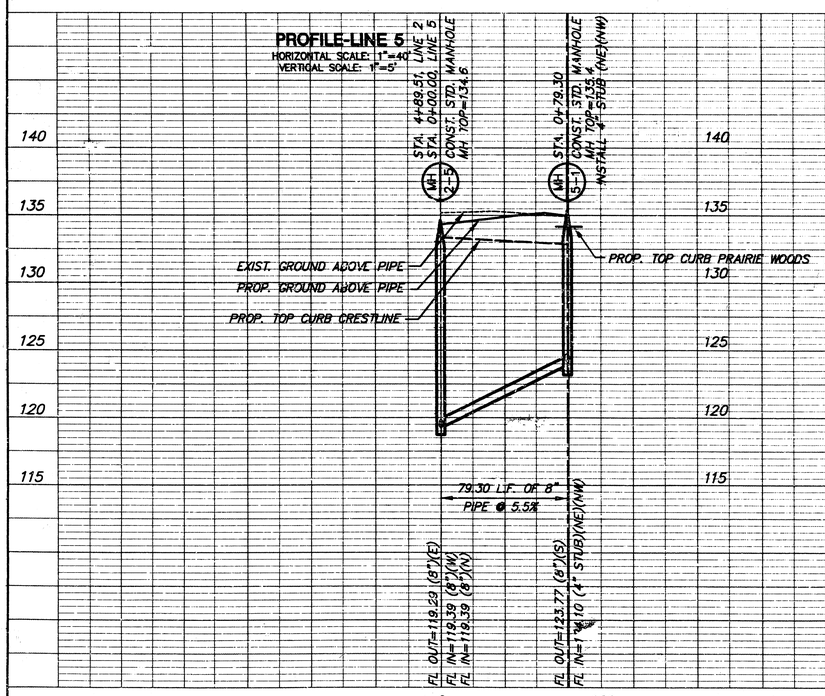
PLAN-LINE 5

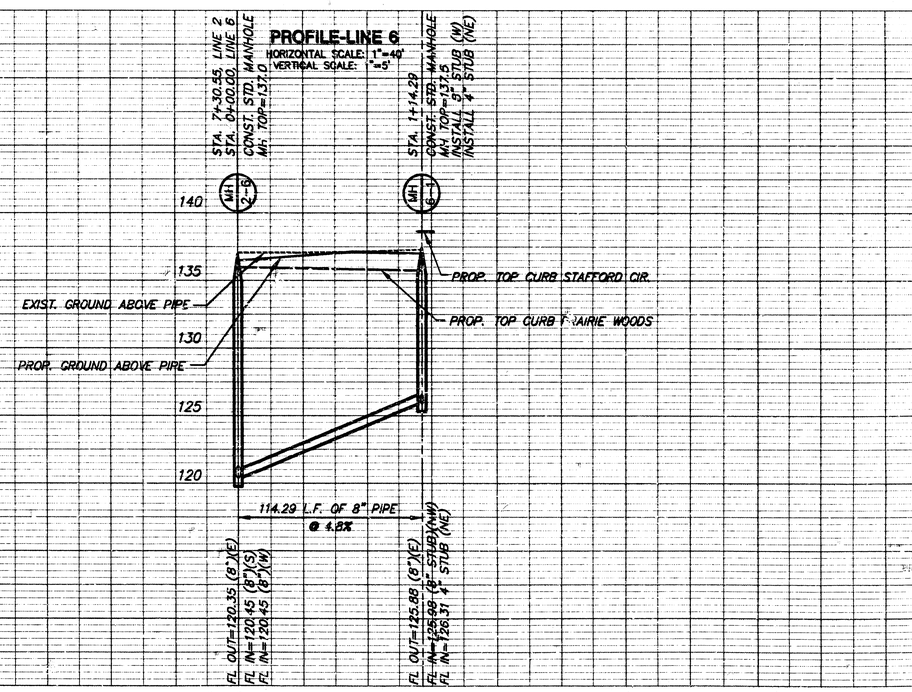




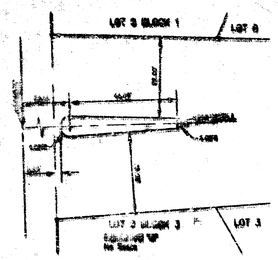
PLAN-LINE 6







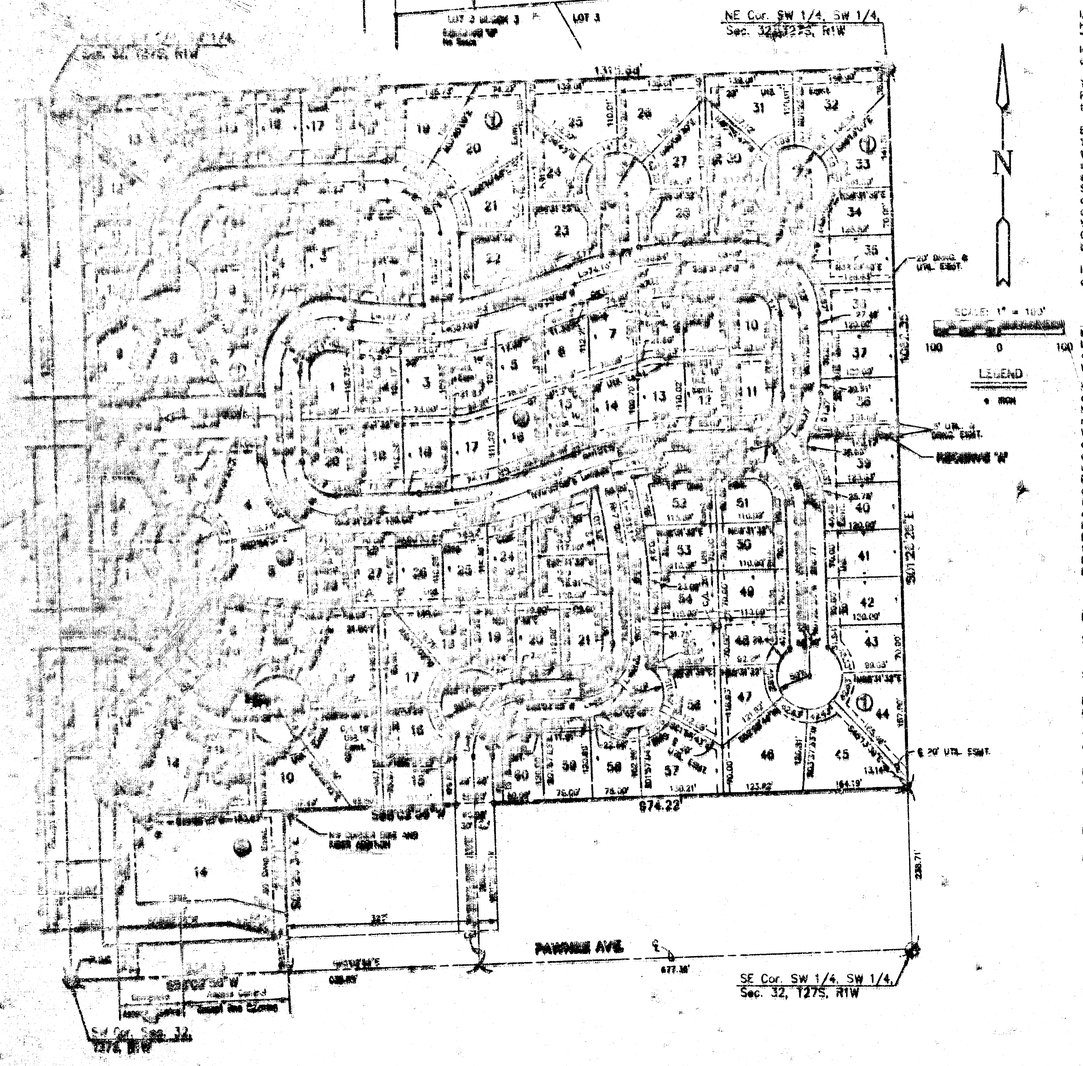
I:\CIVIL\468\SAN\DWG\07 Thu Apr 13 15:31:36 1995



FINAL PLAT OF

PRAIRIE WOODS ADDITION

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



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 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 Southwest Quarter of the Southwest Quarter of Section 32, Township 27 South, Range 1 West, except the South 238.71 feet, thereof, but including the West 338.5 feet of the South 238.71 feet thereof, more particularly described as follows:

Beginning at the Southwest corner of said Southwest Quarter; thence N 01° 35'00" W, 1330.32 feet along the West line to the Northwest corner of said Southwest Quarter; thence N 88° 01' 02" E, 1315.68 feet along the North line to the Northeast corner of said Southwest Quarter ; thence S 01° 28' 28" E, 1062.33 feet along the East line of said Southwest Quarter to a point lying 238.71 feet North of the South line of said Southwest Quarter; thence S 88° 02' 56" W, 974.22 feet parallel with the South line of said Southwest Quarter to the Northeast corner of BIKE AND RIDER ADDITION, an addition to Sedgwick County, Kansas; thence S 01° 28' 34" E, 238.71 feet along the East line of said addition to a point lying on the South line of said Southwest Quarter; thence S 88° 02' 56" W, 338.85 feet along said South line to the point of beginning, except that which is dedicated as street right of way.

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 14th day of February 1994.

Kenneth H. Bengtson, P.E., R.L.S. #822
I&S-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 lots, blocks, streets and reserves the same to be known as "PRAIRIE WOODS 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 drainage and utilities, landscaping, sidewalks, and public access to the Pawnee Prairie Park. Reserve B is platted for entry monuments and landscaping. This reserves shall be owned and maintained by the homeowners association. All abutters right of access to or from Webb Road over and across the west line of PRAIRIE WOODS ADDITION are hereby granted to the City of Wichita, provided however that Lot 14, Block 3 shall have access to Webb Road at one location. All abutters right of access to or from Pawnee Avenue over and across the South line of Lot 14, Block 3 are hereby granted to the City of Wichita, provided however that Lot 14, Block 3 shall have access to Pawnee Avenue at one location.
BUILDERS, INC.

Bradley K. Smisor, Executive Vice President

STATE OF KANSAS)
) ss:
SEDGWICK COUNTY)

BE IT REMEMBERED, that on this 25th day of February 1994, before me the undersigned, a Notary Public in and for the County and State aforesaid, came Bradley K. Smisor, Executive Vice President of Builders, 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: February 5, 1999

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

Dated this 23rd day of December 1994.

WICHITA-SEDGWICK COUNTY METROPOLITAN PLANNING COMMISSION

John W. McKay, Jr., Chairman

Marvin S. Krout, Secretary

This plat approved and all dedications shown thereon, if any, accepted by the City Council of the City of Wichita, Kansas, this 21st day of March 1995.

Elvin A. Broadfoot, Mayor

Pat Burnett, Deputy City Clerk

Entered on transfer record this _____ day of _____ 1994.

Susan E. Crockett-Spoon, 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 _____ day of _____, 1994.

Pat Kettler, Register of Deeds

Ed Resa, Deputy

18-3-8