STORM WATER SEWER PHASE 2 PLANS FOR

PRAIRIE WOODS SECOND ADDITION

SWS # 501

PROJECT NO. 468-82824

CITY OF WICHITA, KANSAS

MICHAEL E. LINDEBAK, CITY ENGINEER

INDEX CODE 751273

APRIL, 1999

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.

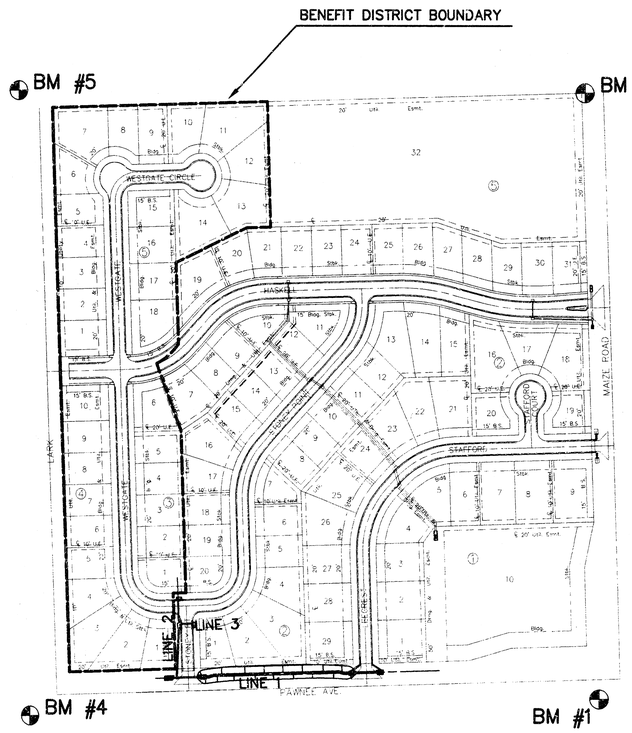
6. TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.

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

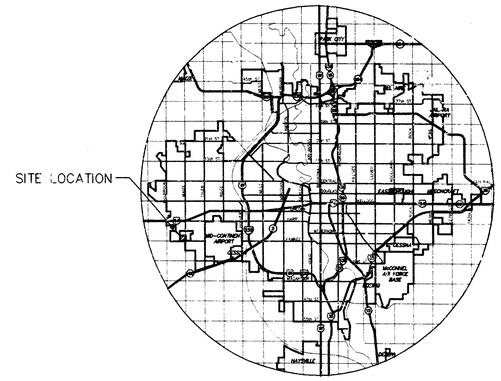
8. REVERSE CURB INLET TOPS. PAVEMENT IN THIS AREA WILL BE BUILT AT FUTURE DATE. COST OF REVERSING INLET TOPS SHALL BE SUBSIDIARY TO THE INLET CONSTRUCTION.

9. CONTRACTOR SHALL LEAVE EXCESS MATERIAL ON SITE IN A LOCATION DESIGNATED BY THE OWNER. LOCATION WILL BE WITHIN THE BENEFIT DISTRICT BOUNDARY. MATERIAL SHALL BE PLACED ADJACENT TO ROAD RIGHT-OF-WAYS WITHIN LOTS. MATERIAL SHALL BE PLACED IN LIFTS NO GREATER THEN 9" AND SHALL BE SMOOTH SO GRASS MAY BE PLANTED.

9. THE REMOVAL OF THE HEDGE ALONG THE NORTH SIDE OF PAWNEE FROM THE WEST OF STONEY POINT TO 60'± WEST SIDE OF LEECREST WILL BE BY OTHERS.



SCALE: 1" = 150'



LOCATION MAP

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LINE 1
3	LINE 2
4	DITCH CROSS SECTIONS
5	INLET DETAILS
6	MANHOLE DETAILS
7	FINAL PLAT

BENCHMARKS

BM #1 COW BENCHMARK 44' SOUTH & 49.8' WEST OF CL PAWNEE & MAIZE ROAD.
ELEV. = 135.12

BM #2 "□" CUT ON TOP OF WEST END OF SOUTH RCP, 1300' ± NORTH OF CL PAWNEE.
ELEV. = 138.945

BM #3 COW BENCHMARK 31.5' SOUTH & 38' EAST OF CL MAIZE ROAD & MAY
ELEV. = 137.69

BM #4 STEPPED SPIKE IN P.P., SW COR. LARK LANE & PAWNEE.
ELEV. = 143.48

BM #5 "□" CUT ON SW COR. CURB INLET ON WEST SIDE LARK LANE, 1340' N. OF CL PAWNEE.
ELEV. = 141.755

BOOKED 7-9-99 MCG P-427

JEFFREY T. CARTWRIGHT LICENSED 14371 KANSAS PROFESSIONAL ENGINEER 4-22-99

MID-KANSAS ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

PRAIRIE WOODS SECOND ADDITION
PROJECT NAME

STORM WATER SEWER PLANS - PHASE 2
SHEET TITLE

JTC	ASE/BWT	GJA
DESIGN BY:	DRAWN BY:	CHECKED BY:
APRIL 1999	97084_DT	1 / 7
DATE	JOB NO.	SHEET/OF

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PRAIRIE WOODS SECOND ADD.
STORM WATER SEWER PLANS
PHASE 2, LINE 1

Prairie Woods 2nd Addition

N

STA. 0+00, LINE 1=BL 6+22.89, 30' RT.
EXIST. 30" RCP END SECTION W/TOEWALL
RESHAPE 22 SY OF LIGHT STONE RIPRAP
COST SUBSIDIARY TO DITCH GRADING
REMOVE & REPLACE W/NEW STRAW
BALE SEDIMENT BARRIER.

STA. 3+57.19, LINE 1=BL.9+79.53, 30'RT.
INSTALL 30" RCP END SECTION
W/TOEWALL(2'X4'X8') INSTALL
16 S.Y. OF LIGHT STONE RIPRAP

STA. 4+12.39, LINE 1=BL 10+34.72, 30'RT.=
STA. 0+00, LINE 2
CONST. SPECIAL SHALLOW TYPE B MANHOLE
MH DIA.=5'-0",MH TOP=141.5

REMOVE HEDGE
ROW "BY OTHERS"

INSTALL STRAW BALE
SEDIMENT BARRIER

BL. 5+91.75 PAWNEE=
BL. 0+00 LC/SF

BL=CL PAWNEE

BL.10+08.75 PAWNEE=
BL. 0+00 SP/WG

STA. 4+27.38, LINE 1=BL 10+49.72, 30'RT.
INSTALL 30" RCP END SECTION
W/TOEWALL(2'X4'X8') INSTALL
16 S.Y. OF LIGHT STONE RIPRAP

STA. 0+20.00
STA. 3+37.19
141.33
141.28
141.23
6'
LINE 1
5'
3.7'
3'
165'0"
15'0"
C. DITCH
155'0"
18'
30" RCP
85°52'06"
18'
TIE INTO EXIST. DITCH
EX. 8" WTR.
STA. 0+31.59
STA. 3+25.60
142.08
153
197
153
142.08
EX. 8" SAN. SWR.
INSTALL STRAW BALE
SEDIMENT BARRIER
10' UTIL. ESMT.
15' BLDG. STBK.
20' UTIL. ESMT.
20' UTIL. ESMT.
MH TOP=139.20
FL OUT=132.40 8"(N)
FL IN=132.50 8"STUB(W)
MH Top=142.40
FL Out=133.50 8"(E)
FL In=133.60 8"(w)
15' BLDG. STBK.
15' BLDG. STBK.
Fire Hydt. Assy.
Bury Line EL.=142.00
Valve Box=142.10
EX. 8" WTR.
STONEY PT.
LINE 2
30" RCP
EX. 8" SAN. SWR.
LEECREST
EX. 8" WTR.
EX. 8" SAN. SWR.
1
2
3
4
29

PLAN LINE 1

Scale: Horz. 1"=20'

C/L DITCH 17'-0" R/W
2'-6" 2'-6"
3:1 3:1
5'-0"

TYPICAL DITCH SECTION

PROFILE LINE 1

Scale: Horz. 1"=20'
Scale: Vert 1"=5'

STA. 0+00.00, LINE 1 SECTION W/TOE WALL
EXIST. END SECTION
Sta. 3+57.19, Line 1 End Section 30" RCP
C/L STONEY PT.
Sta. 4+12.39, Line 1 CONST. SHALLOW TYPE B MANHOLE
Sta. 4+27.38, Line 1 End Section 18" RCP
MATCH EXISTING FLOWLINE

EXIST. GROUND ON C/L OF DITCH OR PIPE
PROPOSED DITCH REGRADING
PAVEMENT

ELEVATION IN FEET

140
135
130
125
120

EXIST. 30" RCP
REGRADE 356.64 LF OF DITCH @ 0.74 %
55.19 L.F. OF 30" RCP @ 0.16%
15.00 L.F. OF 30" RCP @ 0.40%

FL= 134.04
FL= 134.62
FL= 135.36
FL= 136.09
FL= 136.83
FL= 137.25
FL= 137.32
FL OUT =137.34 (30" E)
FL IN =137.64 (30" N)
FL IN =137.54 (30" W)
FL OUT =137.40

0 1 2 3 4

2/7
97084_d1

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PRAIRIE WOODS SECOND ADD.
STORM WATER SEWER PLANS
PHASE 2, LINE 2 & LINE 3

PRAIRIE WOODS 2ND ADDITION

STA. 0+00,LINE2=
STA. 4+12.39, LINE1=
BL. 0+30 , 25.97' LT.
SPECIAL SHALLOW TYPE B MANHOLE
MH DIA.= 5'-0"
MH TOP=141.5

BL 0+00 SP/WG
BL 10+08.75 PAWNEE

BL=CL PAWNEE

EXIST. WTR.
EXIST. 8" SAN. SEW.
20' UTIL. ESMT.
20' UTIL. ESMT. & BLDG. STBK.

4
1

LINE 1
30" RCP
85°52'06"
BL/CL

LINE 2
30" RCP

STONEY PT.

LINE 3
23" X 14" (HERCP)

BL / ℄ WESTGATE

EXIST. 8" WTR.

LINE 2
23" X 14" (HERCP)

STA. 1+16.78, LINE2=
STA. 0+00.00, LINE3=
BL.1+46.51, 18.17' LT.
CONST. TYPE 1A CURB INLET
W=5'-4", L=11'-4"
INLET TOP= 141.68

STA. 1+76.94, LINE2=
BL.2+04.50, 17.67' RT.
CONST. TYPE 1A CURB INLET
W=4'-4", L=11'-4"
INLET TOP= 141.90

STBK.
BLDG.
15'
10' UTIL. ESMT.
C/L
C/L 15'
BLDG.
STBK.
EX. 8" SAN. SWR.

BL 1+89.00 SP/WG
BL 0+00 STONEY PT.

EX. 8" WTR.

FIRE HYDT. ASSY.
BURY LINE EL=142.95
VALVE BOX EL=143.00

15'
BLDG.
STBK

STA. 0+35.18, LINE3=
BL.1+46.51, 17.67' RT.
CONST. TYPE 1A CURB INLET
W=4'-4", L=11'-4"
INLET TOP= 141.68

MH TOP=143.00
FL IN=134.02 4"STUBS(SW&SE)
FL OUT=133.85 8"(N)

20' UTIL. ESMT.
1
MH TOP=142.40
FL IN=133.50 8"(E)
FL OUT=133.60 8"(W)

STONEY PT.

3
2
1
19
18
20
3

PLAN LINE 2 & LINE 3

Scale: 1"=20'

PROFILE LINE 2

Scale Horz. 1"=20'
Scale Vert. 1"=5'

STA. 0+00,LINE2=
STA. 4+11.83, LINE1
SPECIAL SHALLOW TYPE B MH
MH TOP=141.5

EXIST. 12" WTR
TOP= 136.7

EXIST. 8" SAN. SEW.
FL = 133.8

EXIST. GROUND ON ℄ PIPE

PROPOSED TOP OF CURB (STONEY POINT)

STA. 1+16.78, LINE2=
STA. 0+00.00, LINE3=
CONST. TYPE 1A CURB INLET
INLET TOP= 141.68

℄/L WESTGATE

STA. 1+76.94, LINE2=
CONST. TYPE 1A CURB INLET
INLET TOP= 141.90

INSTALL 53 L.F. OF FLOWABLE FILL
TOP ELEV.=140.32

116.78 LF OF 30" RCP @ 0.16%

60.16 LF OF 23"x14" HERCP @ 0.32%

FL OUT=137.34 (30" E)
FL IN=136.34 (18" W)
FL IN=137.54 (30" N)

FL=137.70

FL OUT=137.73 (30" S)
FL IN=137.73 (23" X 14" HERCP W)
FL IN=137.80 (23" X 14" HERCP E)

FL OUT=137.92 (23" X 14" HERCP S)

PROFILE LINE 3

Scale Horz. 1"=20'
Scale Vert. 1"=5'

STA. 0+00.00, LINE3=
STA. 1+16.78, LINE2
CONST. TYPE 1A CURB INLET
INLET TOP= 141.68

℄/L STONEY PT.

STA. 0+35.18, LINE3=
CONST. TYPE 1A CURB INLET
INLET TOP= 141.68

INSTALL 31 L.F. OF FLOWABLE FILL
TOP ELEV.=140.31

35.83 LF OF 23"x14" HERCP @ 0.32%

FL OUT=137.73 (30" S)
FL IN=137.80 (23" X 14" HERCP E)
FL IN=137.73 (23" X 14" HERCP W)

FL OUT=137.91 (23" X 14" HERCP W)

ELEVATION IN FEET

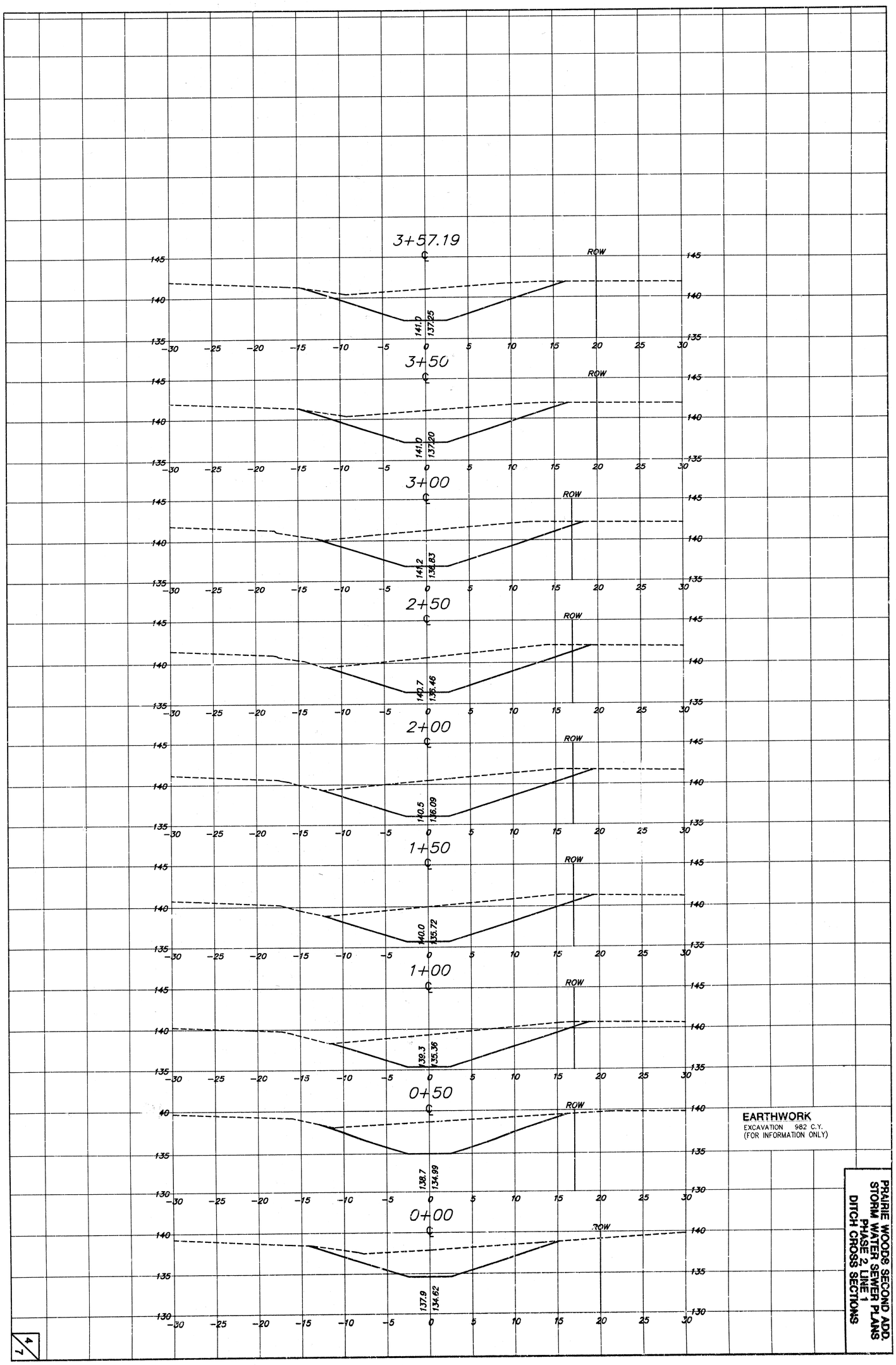
145
140
135
130
125

0
1

3/7
97084_d2

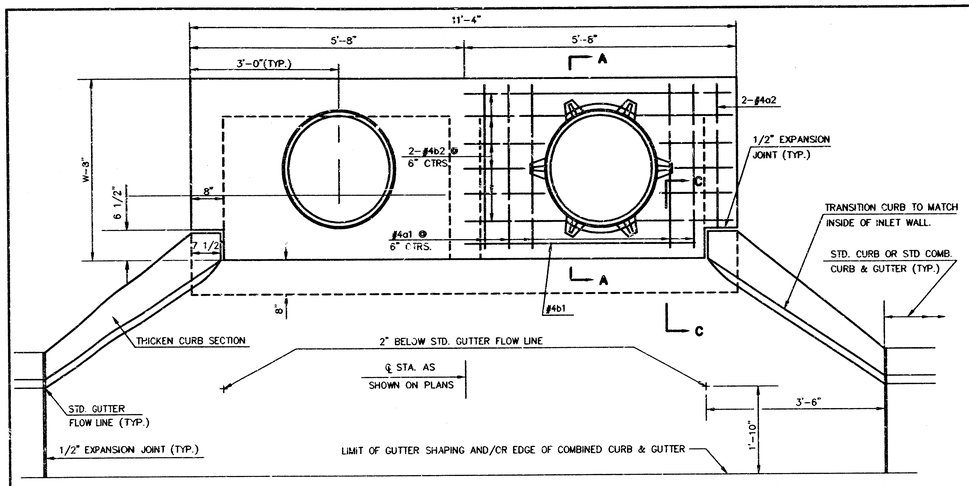
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EARTHWORK
EXCAVATION 982 C.Y.
(FOR INFORMATION ONLY)

PRAIRIE WOODS SECOND ADD.
STORM WATER SEWER PLANS
PHASE 2, LINE 1
DITCH CROSS SECTIONS

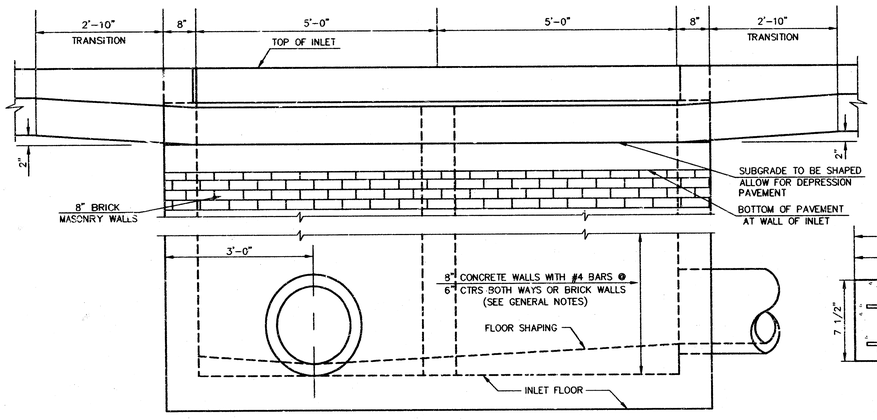


SLAB REINFORCING NOT SHOWN

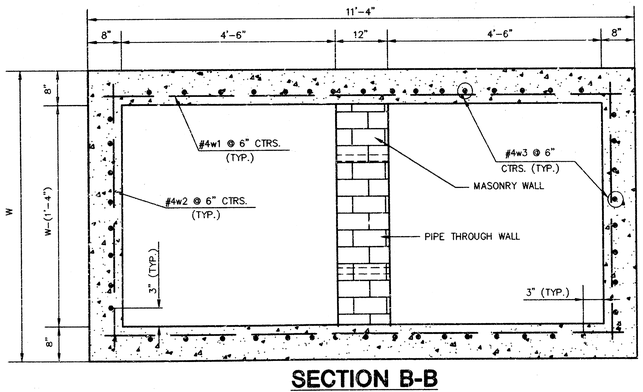
PLAN

SHOWING SLAB REINFORCING

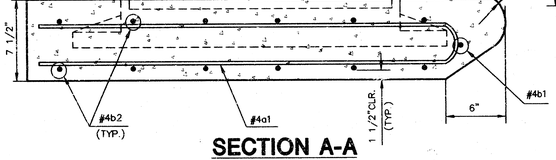
NOTE EXPANSION JOINT ONLY IN CURB AREA WITH CONCRETE PAVEMENT



ELEVATION



SECTION B-B



SECTION A-A

SLAB AND FLOOR REINFORCING

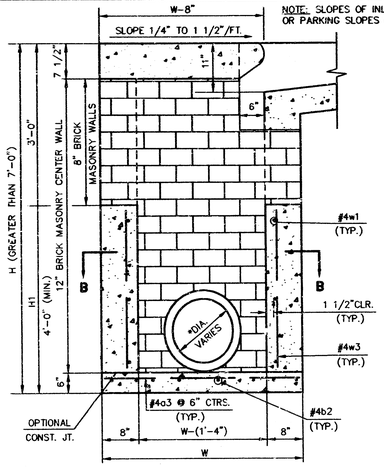
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
a1	#4	13	6'-7 1/4"	13	9'-7 1/4"	13	10'-7 1/4"	13	12'-7 1/4"	13	14'-7 1/4"
a2	#4	2	6'-0"	2	8'-0"	2	10'-0"	2	12'-0"	2	14'-0"
a3	#4	20	4'-1"	20	5'-1"	20	6'-1"	20	7'-1"	20	8'-1"
b1	#4	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"
*b2	#4	18	11'-1"	24	11'-1"	30	11'-1"	36	11'-1"	42	11'-1"

WALL REINFORCING

		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
MARK	SIZE	NO.	LENGTH	NO	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
c1	#6	4	6'-1"	4	7'-1"	4	8'-1"	4	9'-1"	4	10'-1"
w1	#4	①	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"
w3	#4	②	③	②	③	②	③	②	③	②	③

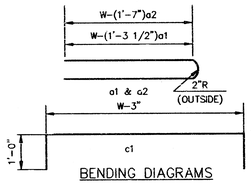
* FIELD BEND OR CUT REINFORCING AS REQUIRED FOR CLEARANCE
① 4(H1-6")+4 (H1-6") ROUNDED DOWN TO NEAREST 0.5'
② 40+4(W-16")
③ H1+(9")

NOTE: SLOPES OF INLET TOPS TO MATCH SIDEWALK OR PARKING SLOPES WITHIN LIMITS INDICATED.

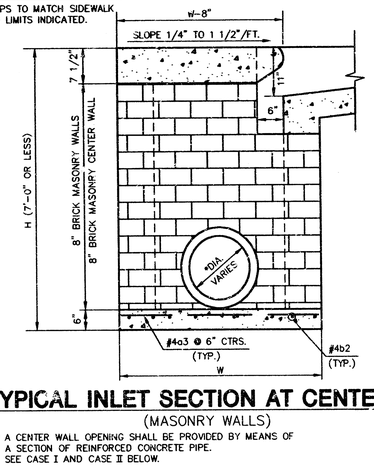


TYPICAL INLET SECTION AT CENTER WALL

(REINFORCED CONCRETE WALLS)



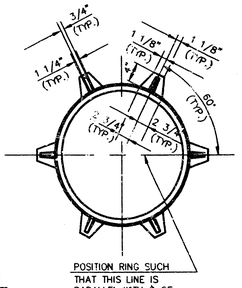
BENDING DIAGRAMS

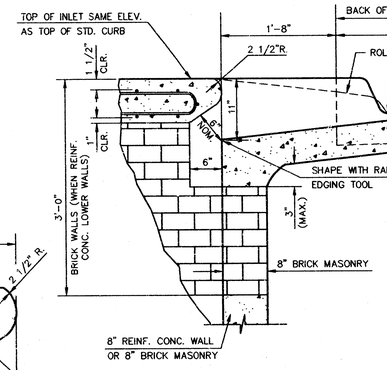


TYPICAL INLET SECTION AT CENTER WALL

(MASONRY WALLS)

* A CENTER WALL OPENING SHALL BE PROVIDED BY MEANS OF A SECTION OF REINFORCED CONCRETE PIPE. SEE CASE I AND CASE II BELOW.





SECTION C-C

CAST IRON INLET RING

WT.=180 LBS.

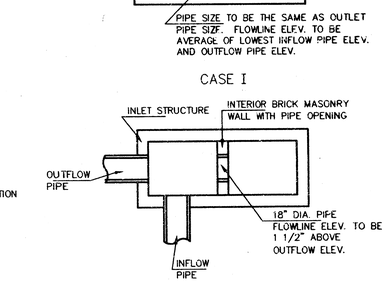
SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.

GENERAL NOTES

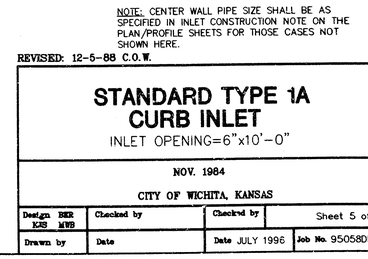
1. THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W=6'-4" OR LESS AND H=7'-0" OR LESS. WHEN W IS GREATER THAN 6'-4" AND H IS LESS THAN 7'-0", THE OUTSIDE INLET WALLS BELOW THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION AND THE CENTER WALL SHALL BE OF MASONRY CONSTRUCTION AS SHOWN FOR THE MASONRY WALL OPTION.
2. INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
3. CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.
4. INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB. BARS IN INLET TOP TO BE FIELD BENT OR CUT TO CLEAR MANHOLE RING.
5. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

STANDARD CURB INLET PRECAST TOPS

W	PRE-CAST TOP SIZE	SIDE OR INTERIOR WALL PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8"x11'-4"x7 1/2"	21" & SMALLER	0.83±
5'-4"	4'-8"x11'-4"x7 1/2"	24" & 30"	1.09±
6'-4"	5'-8"x11'-4"x7 1/2"	36" & 42"	1.35±
7'-4"	6'-8"x11'-4"x7 1/2"	48" & 54"	1.61±
8'-4"	7'-8"x11'-4"x7 1/2"	60" & 66"	1.87±



CASE I



CASE II

NOTE: CENTER WALL PIPE SIZE SHALL BE AS SPECIFIED IN INLET CONSTRUCTION NOTE ON THE PLAN/PROFILE SHEETS FOR THOSE CASES NOT SHOWN HERE.

REVISED: 12-5-88 C.O.W.

STANDARD TYPE 1A CURB INLET

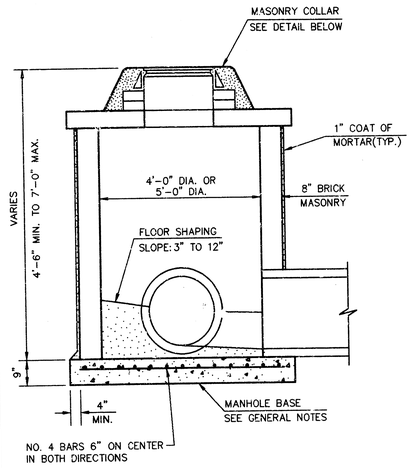
INLET OPENING=6"x10'-0"

NOV. 1984

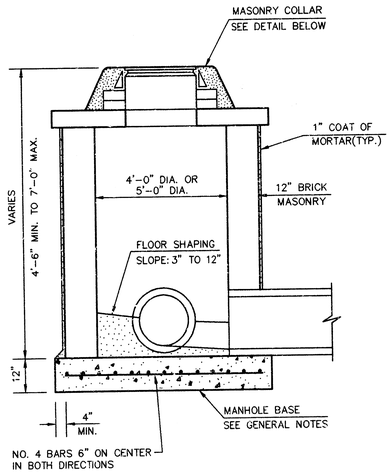
CITY OF WICHITA, KANSAS

Design BER KAS MWD	Checked by	Checked by	Sheet 5 of 7
Drawn by	Date	Date JULY 1996	Job No. 95058D02

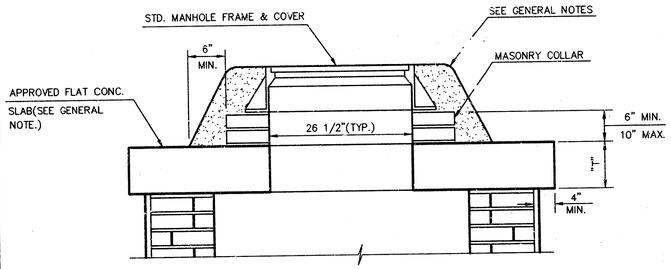
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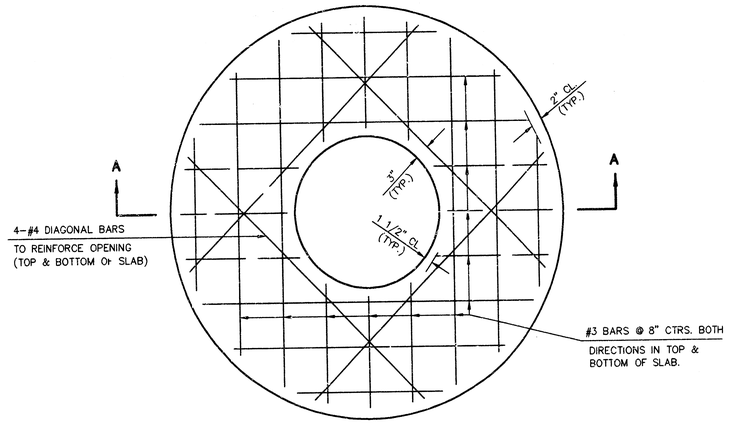
SHALLOW TYPE "A" MANHOLE



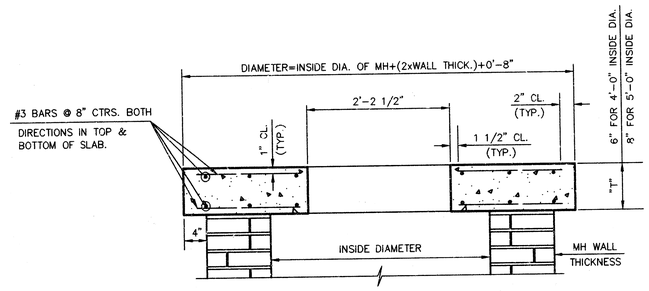
SHALLOW TYPE "B" MANHOLE



MASONRY COLLAR DETAIL



PLAN



SECTION A-A

FLAT CONCRETE SLAB DETAILS

GENERAL NOTES

1. 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 CEMENT 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. TYPE "A" SHALLOW MANHOLES CAN BE USED ON SEWERS WHEN THE MANHOLE IS NOT LOCATED WITHIN PUBLIC STREET PAVEMENT. 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.

2. 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 6" 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.

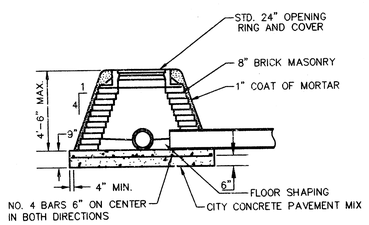
3. THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF CLEANING AND FREE OF AREAS WHERE SOLIDS COULD BE DEPOSITED AS SEWAGE FLOWS THROUGH THE MANHOLE FROM ALL INLET PIPES TO THE OUTLET PIPE. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE AS SHOWN BY THE DRAWINGS. 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.

4. 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.

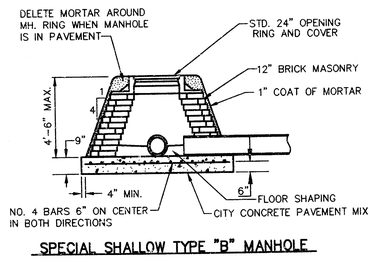
5. MANHOLE COVER CASTINGS AND MANHOLE FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWINGS.

6. THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.

7. STANDARD SHALLOW MANHOLES TYPE "A" AND "B" SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH FOR THE TYPE AND DIAMETER INDICATED. STANDARD SPECIAL SHALLOW MANHOLES TYPE "A" AND "B" SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH FOR THE TYPE INDICATED. ALL STANDARD SHALLOW MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.



SPECIAL SHALLOW TYPE "A" MANHOLE



SPECIAL SHALLOW TYPE "B" MANHOLE

STANDARD SHALLOW MANHOLES TYPE "A" AND TYPE "B"

CITY OF WICHITA, KANSAS

Design C.O.W.	Checked by	Checked by	Sheet 6 of 7
Drawn by	Date	Date MAR.1999	Job No. 97084dd4

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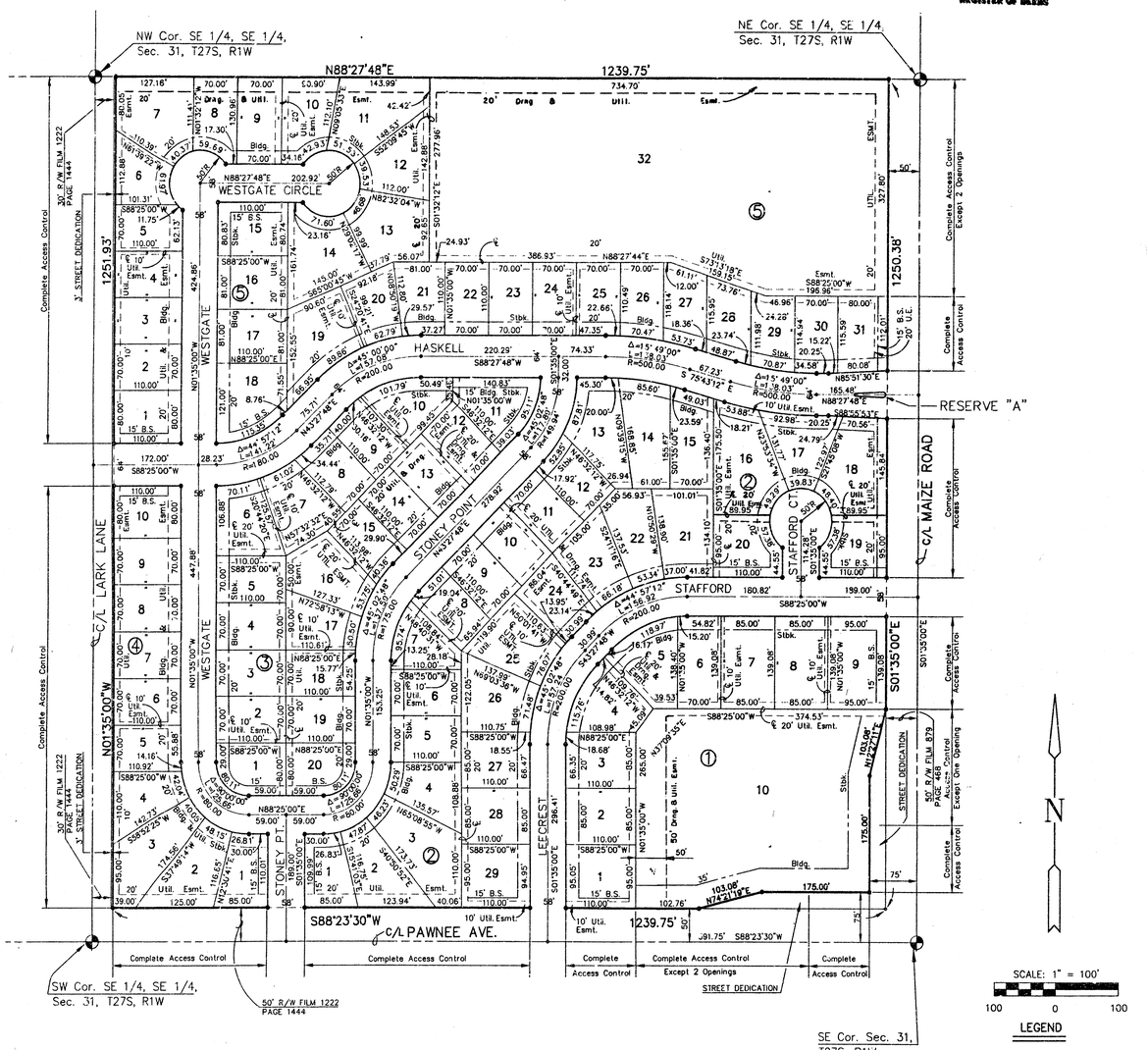
PC 88-8

FINAL PLAT OF

PRAIRIE WOODS SECOND ADDITION

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

LIBRARY COPY
SEDGWICK COUNTY, KANSAS
REGISTER OF DEEDS



SCALE: 1" = 100'

100 0 100

N

LEGEND

• IRON

B.S. – Building Setback

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 along the North line of said Southeast Quarter; thence S 01°35'00" E, 1250.38 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, 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 lots, blocks, streets and reserves 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, 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

BETH A. BUTLER NOTARY PUBLIC STATE OF KANSAS MY APPT. EXP. 2/5/99

FAIRHAVEN CHRISTIAN CHURCH

Raymond D. Feigel

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. Feigel, 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

DEBRA K ALBERT NOTARY PUBLIC STATE OF KANSAS MY APPT. EXP. 6-27-98

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

BUILDERS DEVELOPMENT INC.

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

BETH A. BUTLER NOTARY PUBLIC STATE OF KANSAS MY APPT. EXP. 2/5/99

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 17th day of July, 1997.

WICHITA-SEDGWICK 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 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

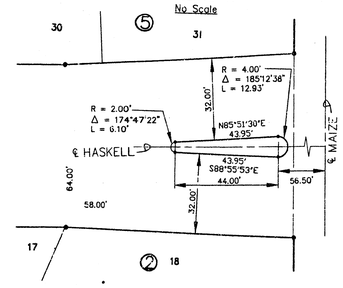
STATE OF KANSAS)
) ss:
SEDGWICK COUNTY)

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

Bill Meek, Register of Deeds

Linda Kizzire, Deputy

RESERVE "A"
No Scale



PRAIRIE WOODS 2ND ADDITION

PC 88-8

PC 88-8