CONSTRUCTION PLANS

SANITARY SEWER EXTENSIONS

MEADOW OAKS 2ND ADDITION

TO

THE CITY OF WICHITA, KANSAS

LATERAL 68, MAIN 5, SANITARY SEWER NUMBER 23

MICHAEL E. LINDEBAK, P.E. – CITY ENGINEER
PROJECT NO. 468-82570
INDEX CODE 742684

GENERAL NOTES:

1. Existing utility lines and their location, as shown on the plans, represent the best information obtainable for design. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

2. Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be the 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.

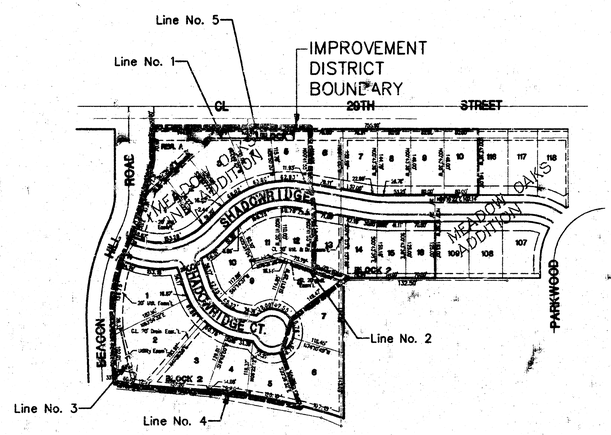
3. The Contractor shall be responsible for maintaining continuous flow of sewage through construction. Contractor's proposed method for maintaining sewage flow shall be approved by the Engineer. Cost of maintaining flow of sewage through construction will not be paid for directly and this cost shall be considered as subsidiary to the other pay items of the work.

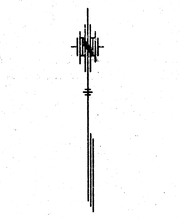
4. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor or a licensed professional engineer in accordance with state laws.

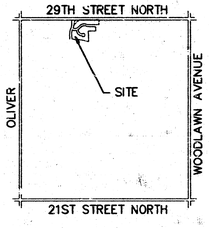
5. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with the proposed new construction shall be saved and protected from damage.

6. Contractor shall vacuum test all manholes according to the City of Wichita standard specifications.

7. Provide temporary rye grass seeding on all disturbed areas at 20 lbs./acre. Prepare ground before seeding per city spec.







LOCATION MAP
No Scale

INDEX

TITLE SHEET	SHEET 1
LINE NO. 1 & 5	SHEET 2
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COORDINATE POINTS LIST	SHEET 7
MEADOW OAKS 2ND ADDITION PLAT	SHEET 8

BENCH MARKS

(City of Wichita Datum)

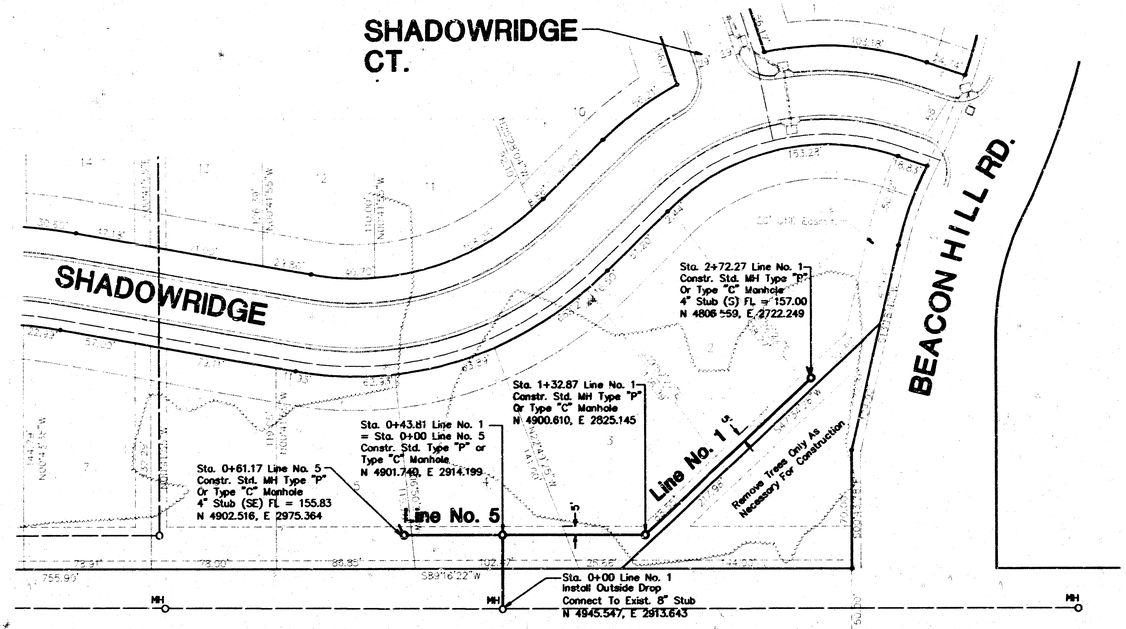
1. City of Wichita std. BM disc at 29th & Edgemoor.
   5.5' E. & 37' N. of 1/4 Section Corner.
   Elev. 172.38
2. City of Wichita std. BM disc at 29th Street N. & Oliver.
   39' N. & 33' E. of Centerline Both.
   Elev. 159.58
3. "□" cut on concrete curb, S. end of SW return @ 28th Street & Meadow Oaks.
   Elev. 173.09
4. "□" cut on Southwest corner curb inlet, West side Beacon Hill Rd. near CL Shadow Ridge
   Elev. 161.98

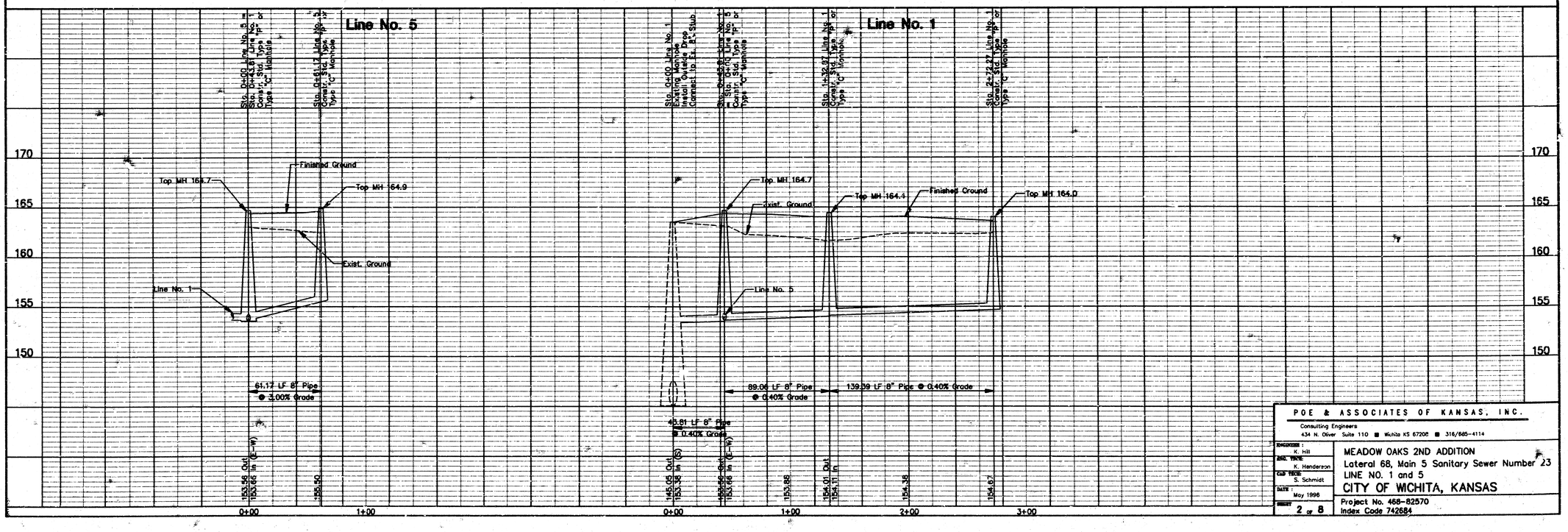
KENNY E. HALE LICENSED 7525 KANSAS PROFESSIONAL ENGINEER
5-15-96

MAY 1996

PLANS PREPARED
BY
POE & ASSOCIATES OF KANSAS, INC.
Consulting Engineers
434 N. Oliver Suite 110 ◻ Wichita KS 67208 ◻ 316/685-4114

X:\APPS\DOA\PLS30B\BASE Wed May 8 11:03:23 1996 Kelly Henderson - Poe and Associates, Inc.





POE & ASSOCIATES OF KANSAS, INC.
Consulting Engineers
434 N. Oliver Suite 110 ■ Wichita KS 67206 ■ 316/685-4114

ENGINEER : K. Hill
ENG. TECH. : K. Henderson
CAD TECH. : S. Schmidt
DATE : May 1996
SHEET 2 OF 8

MEADOW OAKS 2ND ADDITION
Lateral 68, Main 5 Sanitary Sewer Number 23
LINE NO. 1 and 5
CITY OF WICHITA, KANSAS
Project No. 468-82570
Index Code 742684

K:\APPS\DCI\P\53098\DASE Mon May 13 07:51:10 1996 Kelly Henderson - Poe and Associates, Inc.

Sta. 1+18.53 line No. 4
Constr. Std. Type "P" or
Type "C" Manhole
4" Stub (NE) FL = 155.33
N 4340.722, E 2924.452

Sta. 0+00 line No. 4
Connect To Exist. MH
N 4330.167, E 2832.975

Sta. 0+00 Line No. 3
Connect To Exist. MH
N 4341.774, E 2656.883

Line No. 4

176.5'

22.53

Sta. 0+20.28 line No. 4
Constr. Std. Type "P" or
Type "C" Manhole
4" Stub (NW) FL = 154.94
N 4349.416, E 2826.508

Line No. 3

16.55'

Sta. 0+00 Line No. 2
Connect To Exist. MH
N 4590.478, E 3131.854

Sta. 1+64.39 Line No. 2
Constr. Std. Type "P" or
Type "C" Manhole
N 4640.581, E 2975.284

Sta. 2+06.66 Line No. 2
Constr. Std. Type "P" or
Type "C" Manhole
4" Stub (W) FL = 158.09
N 4630.612, E 2934.210

Line No. 2

6.33'

Sta. 1+38.17 Line No. 3
Constr. Std. Type "P" or
Type "C" Manhole
4" Stub (NE) FL = 154.04
N 4476.050, E 2624.291

SHADOWRIDGE CT.

SHADOWRIDGE

BEACON HILL ROAD

GRAPHIC SCALE
40 0 20 40 80
(IN FEET)
1 INCH = 40 FT.

5 0
1 INCH = 5 FT.
(Vert.)

Line No. 2

Sta. 0+00 Line No. 2
Starting Manhole
Connect to Ex. 8" Stub

Sta. 1+64.39 Line No. 2
Constr. Std. Type "P" or
Type "C" Manhole

Sta. 2+06.66 Line No. 2
Constr. Std. Type "P" or
Type "C" Manhole

Top MH 164.4

Top MH 164.6

Exist. Ground

164.39 LF 8" Pipe @ 0.40 % Grade

42.27 LF 8" Pipe @ 0.40% Grade

156.03 Out
156.43 In

157.23

157.38

157.76

Line No. 3

Sta. 0+00 Line No. 3
Connect to Exist. MH

Sta. 1+38.17 Line No. 3
Constr. Std. Type "P" or
Type "C" Manhole

Exist. Ground

Finished Ground

Top MH 163.1

Exist. 18" VCP

136.17 LF 8" Pipe @ 2.00% Grade

148.05 Out (E-W)
150.85 In

150.85

153.71

Line No. 4

Sta. 0+00 Line No. 4
Connect To Exist. MH

Sta. 0+20.28 Line No. 4
Constr. Std. Type "P" or
Type "C" Manhole

Sta. 1+18.53 Line No. 4
Constr. Std. Type "P" or
Type "C" Manhole

Finished Ground

Exist. Ground

Top MH 163.6

Exist. 18" VCP

20.28 LF 8" Pipe @ 3.00% Grade

98.25 LF 8" Pipe @ 1.79% Grade

149.63 Out (E-W)
151.63 In

152.24 Out
153.24 In

155.00

170
165
160
155
150

0+00 1+00 2+00

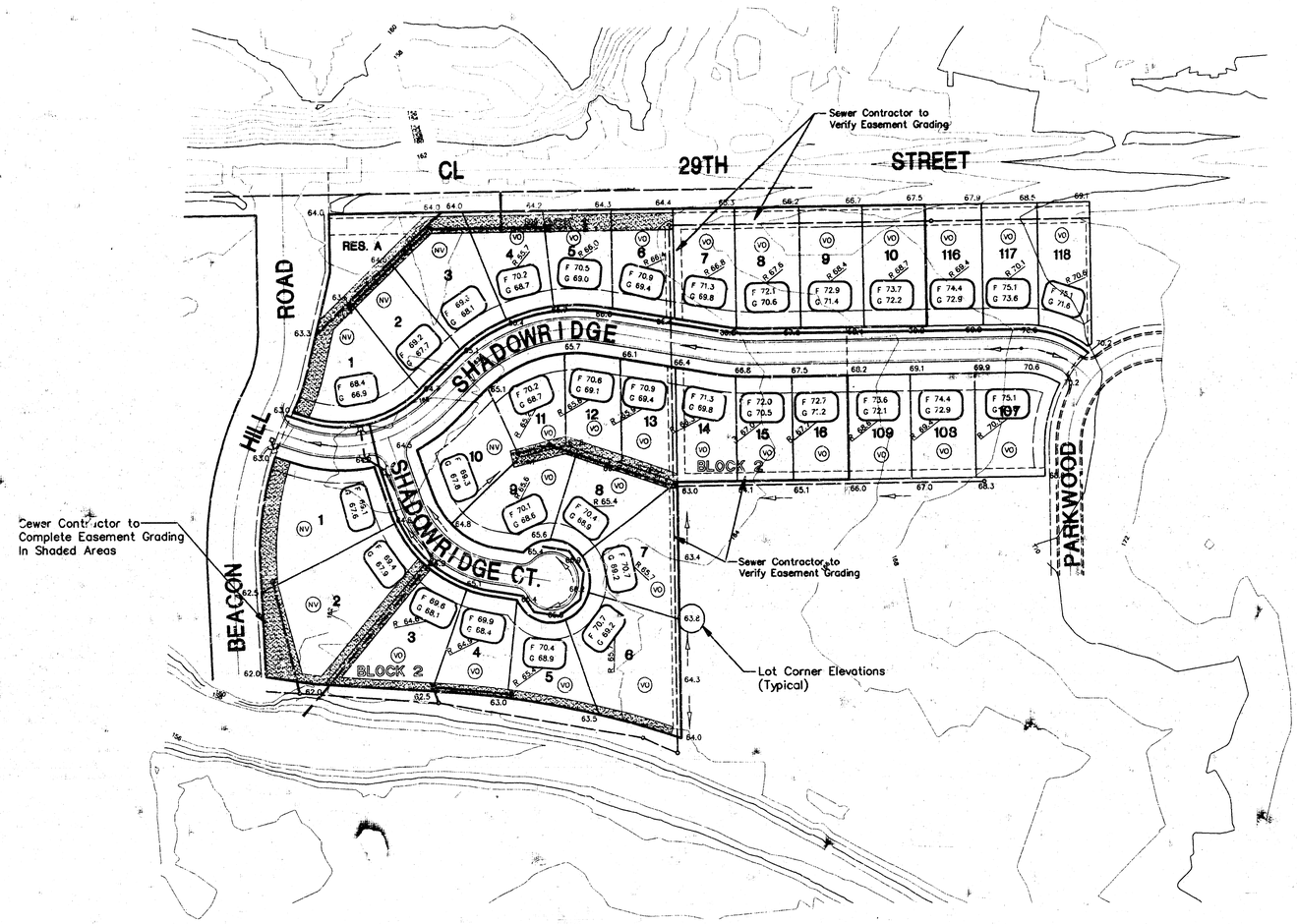
POE & ASSOCIATES OF KANSAS, INC.
Consulting Engineers
434 N. Oliver Suite 110 ■ Wichita KS 67208 ■ 316/685-4114

ENGINEER : K. Hill
ENG. TECH. : K. Henderson
CAD TECH. : S. Schmidt
DATE : May 1996
SHEET 3 OF 8

MEADOW OAKS 2ND ADDITION
Lateral 68, Main 5 Sanitary Sewer Number 23
LINE NO. 2, 3 and 4
CITY OF WICHITA, KANSAS

Project No. 468-82570
Index Code 742684

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GRAPHIC SCALE

80 0 40 80 160

(IN FEET)
1 inch = 80 ft.

LEGEND

G = GARAGE FLOOR ELEVATION
F = TOP of FOUNDATION WALL ELEVATION
R = TOP of REAR WALL ELEVATION (VIEW OUT)
(NV) = NO VIEW OUT
(VO) = VIEW OUT

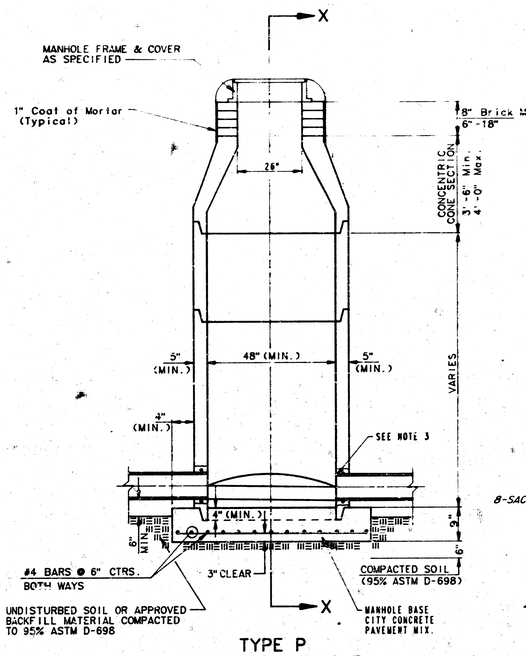
POE & ASSOCIATES OF KANSAS, INC.
Consulting Engineers
[illegible] Oliver Suite 110 ■ Wichita KS 67208 ■ 316/685-4114

ENGINEER: X. Hu	MEADOW OAKS 2ND ADDITION
ENG. TECH.: K. Henderson	Easement Grading Plan
CAD TECH.: S. Suhmidt	CITY OF WICHITA, KANSAS
DATE: May 1996	Project No. 468-82570
SHEET 4 of 8	Index Code 742684

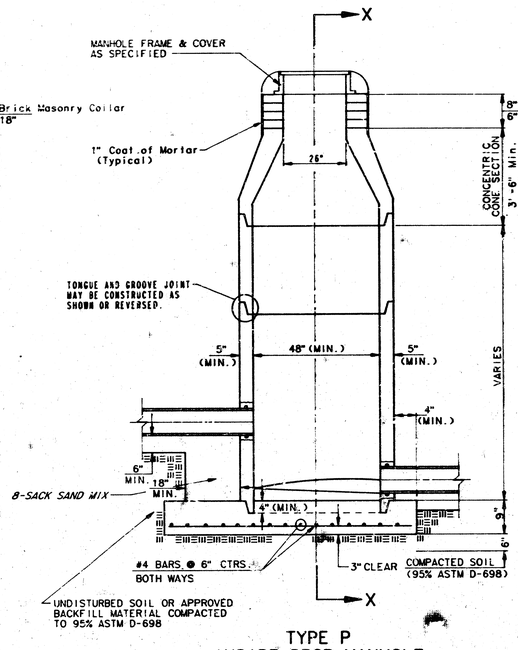
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SEWER APPURTENANCES DETAILS

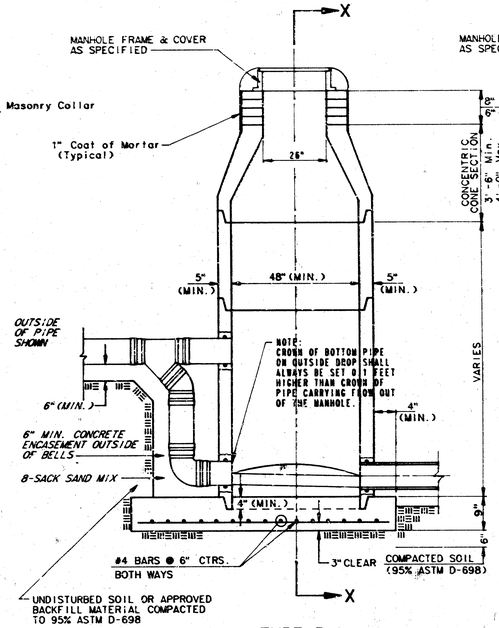
ADOPTED AS STANDARD DESIGN BY CITY OF WICHITA



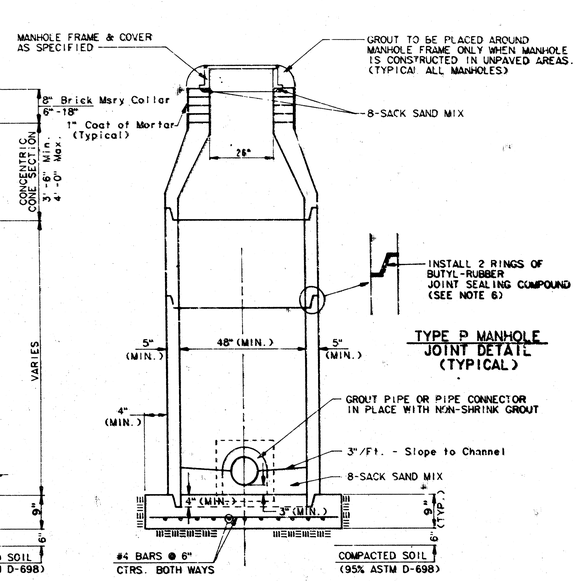
TYPE P
STANDARD MANHOLE



TYPE P
INSIDE DROP MANHOLE



TYPE P
OUTSIDE DROP MANHOLE



TYPE P MANHOLE
JOINT DETAIL
(TYPICAL)

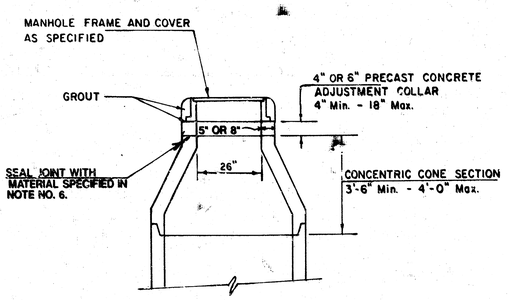
SECTION X
(TYPICAL)

GENERAL NOTES

PRECAST MANHOLE NOTES

1. ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISION 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 THEWEC 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 FREE FALL DROP INSIDE MANHOLES SHALL NOT EXCEED 2'.

    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

REVISED NOV. 1993
NOTE NO. 16 REVISED JAN. 1991
Revised 3-21-89
Revised 8-10-88
Revised: June 12, 1985

PROJ NO. 463-32870
SHEET NO. 5 OF 8

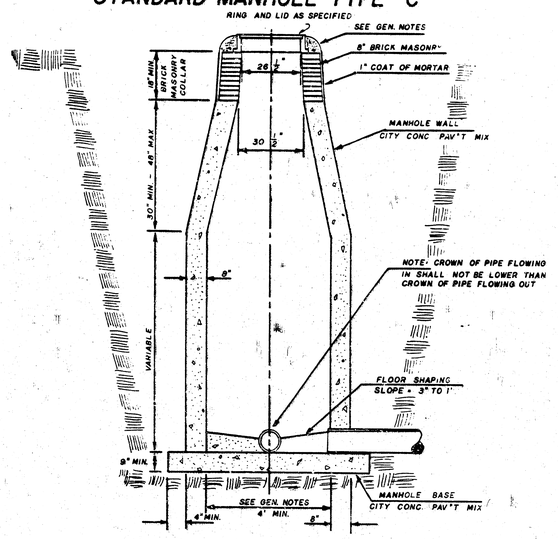
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SEWER APPURTENANCES DETAILS

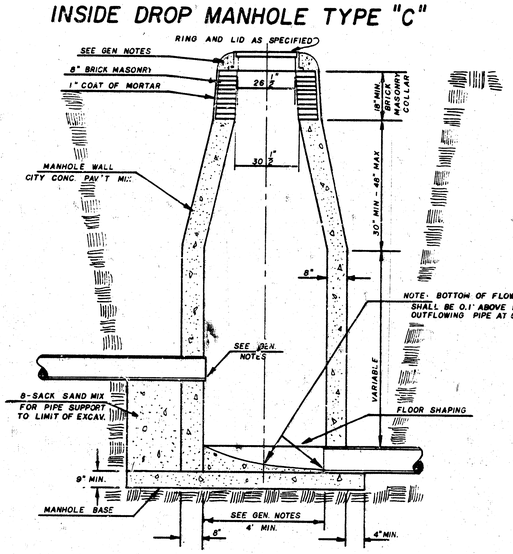
ADOPTED AS STANDARD DESIGN
BY

City of Wichita, Kansas

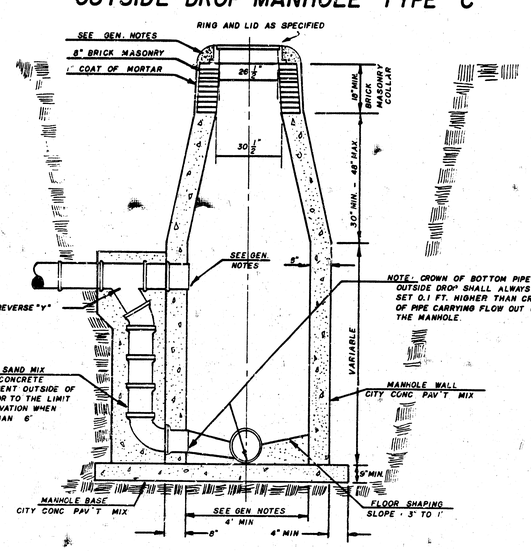
STANDARD MANHOLE TYPE "C"



INSIDE DROP MANHOLE TYPE "C"



OUTSIDE DROP MANHOLE TYPE "C"



GENERAL NOTES

1. MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE WALLS AND 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. TYPE "C" MANHOLES CAN BE CONSTRUCTED ONLY WHERE PIPE SIZES ARE 8" OR SMALLER. THE INSIDE DIAMETER OF TYPE "C" MANHOLES SHALL BE 4'. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.

2. REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASE. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. REINFORCING STEEL SHALL BE PLACED 6" ABOVE THE BOTTOM OF THE MANHOLE BASE. COST OF FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.

3. AN OPENING SHALL BE CUT IN THE MANHOLE WALL FOR THE UPPER INLET PIPE FOR INSIDE AND OUTSIDE DROP MANHOLES. THE UPPER INLET PIPE SHALL BE GROUTED INTO THIS OPENING WITH NON-SHRINK GROUT. THE EXTERIOR OF THIS COMPLETE CONNECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH THAT THE CONNECTION WILL BE WATER TIGHT.

4. 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.

5. PIPES INSTALLED WITHIN THE EXCAVATION MADE FOR THE MANHOLE SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. WHERE 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.

6. 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.

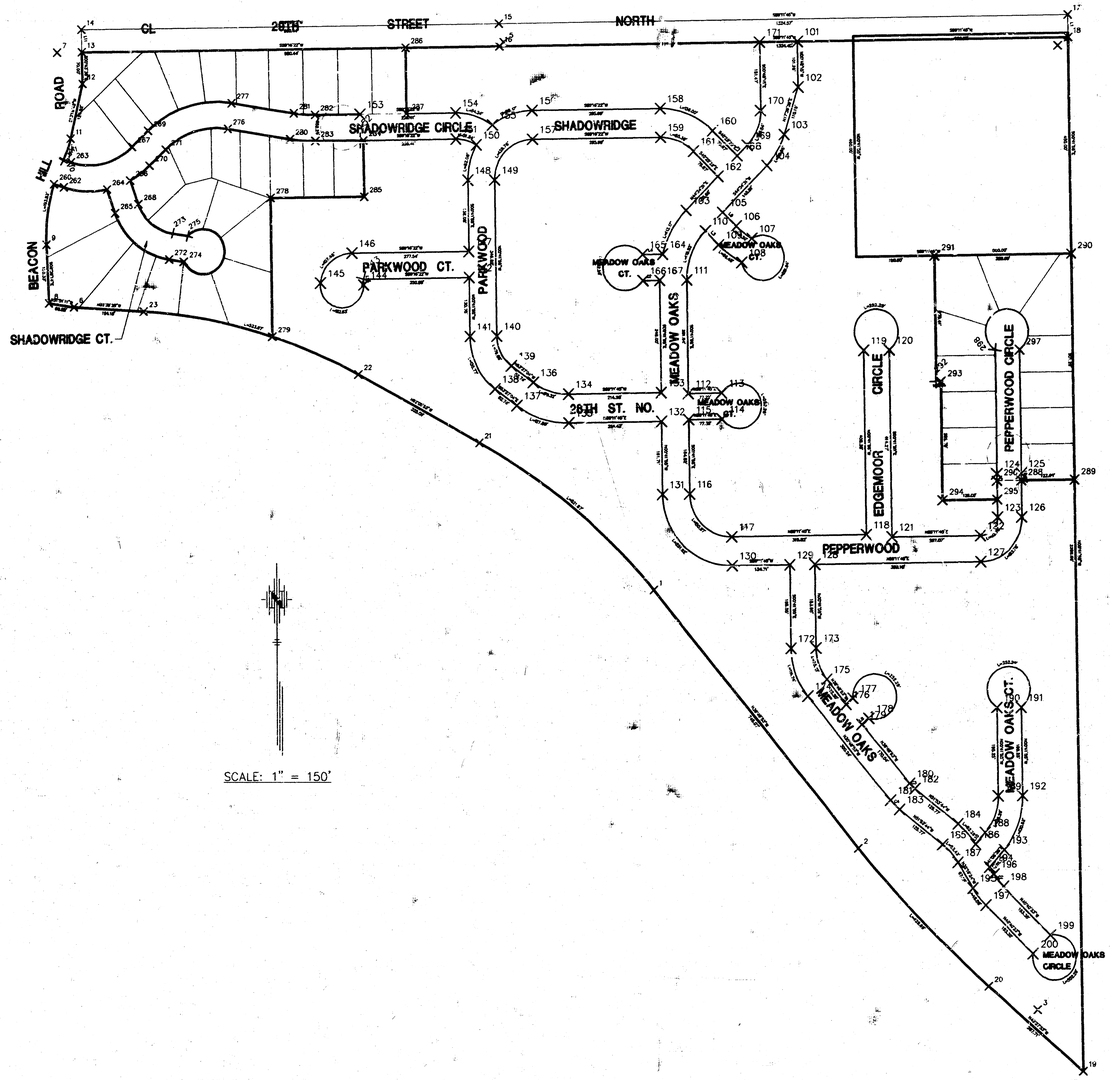
7. THE VERTICAL **FREE FALL DROP INSIDE MANHOLES SHALL NOT EXCEED 2'.**

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

8. STANDARD MANHOLES TYPE "C" AND STANDARD INSIDE DROP MANHOLES TYPE "C" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES TYPE "C" SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.

JNL JAN. 1982

PROJ NO. 468-82370
SHEET NO. 6 OF 8
NOTE NO. 7 REVISED JAN. 1991



SCALE: 1" = 150'

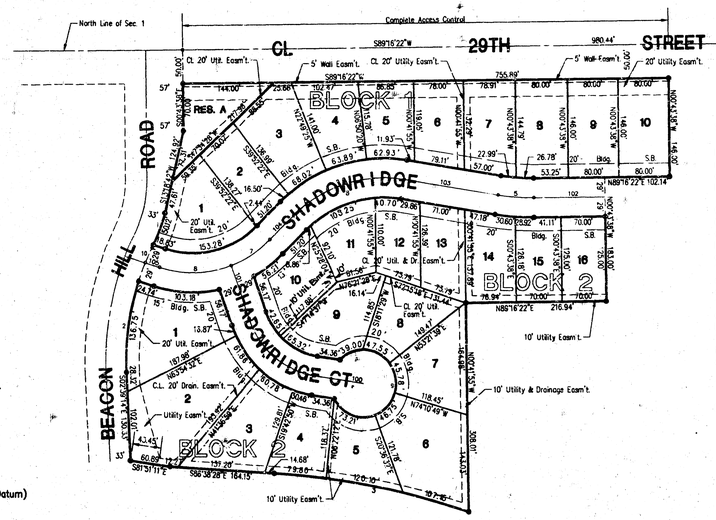
COORDINATE SCHEDULE		
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2	3152.749	4507.271
3	2796.568	4923.575
4	4931.876	4977.043
5	4940.574	3686.269
6	4353.253	2675.563
7	4918.067	2636.733
8	4361.896	2615.355
9	4492.087	2609.320
10	4679.308	2650.173
11	4727.412	2667.960
12	4848.976	2696.722
13	4918.970	2895.834
14	4968.966	2895.199
15	4981.410	3675.560
16	4931.414	3676.195
17	5000.000	5000.000
18	4950.004	5000.610
19	2661.514	5028.515
20	2847.864	4809.310
21	4051.520	3627.212
22	4203.635	3339.940
23	4343.651	2839.486
101	4941.134	4358.672
102	4839.885	4370.093
103	4734.864	4236.756
104	4666.186	4295.338
105	4562.319	4193.000
106	4531.631	4224.146
107	4504.210	4260.057
108	4450.848	4236.627
109	4490.316	4183.439
110	4521.000	4152.297
111	4412.380	4109.098
112	4160.457	4112.170
113	4161.540	4189.379
114	4103.546	4190.193
115	4102.461	4112.878
116	3937.650	4114.887
117	3842.830	4212.227
118	3847.262	4528.020
119	4255.608	4523.041
120	4256.315	4581.036
121	3842.077	4586.088
122	3844.983	4793.141
123	3885.467	4832.577
124	3981.777	4831.402
125	3982.484	4839.398
126	3886.174	4890.572
127	3786.989	4793.955
128	3781.541	4405.812
129	3780.727	4347.818
130	3778.836	4213.126
131	3936.869	4050.892
132	4098.563	4048.920
133	4162.558	4048.140
134	4159.547	3833.608
135	4095.553	3834.507
136	4185.458	3752.850
137	4133.933	3714.888
138	4171.151	3664.375
139	4222.676	3702.337
140	4288.485	3668.576
141	4287.705	3604.581
142	4418.443	3602.987
143	4415.258	3352.022
144	4402.259	3352.187
145	4406.534	3252.432
146	4472.916	3324.759
147	4476.439	3602.280
148	4634.504	3600.352
149	4635.284	3664.348
150	4712.964	3620.894
151	4726.067	3571.388
152	4723.193	3344.997
153	4781.189	3344.261
154	4784.062	3570.652
155	4757.157	3659.430
156	4789.357	3751.399
157	4725.362	3752.211
158	4793.110	4047.069

COORDINATE SCHEDULE		
POINT #	NORTHING	EASTING
159	4729.115	4047.882
160	4743.644	4169.970
161	4698.055	4125.052
162	4642.141	4181.801
163	4566.878	4107.646
164	4469.646	4052.261
165	4468.921	4005.078
166	4410.990	4005.892
167	4411.540	4045.104
168	4687.730	4226.719
169	4711.104	4249.749
170	4788.419	4280.807
171	4939.870	4278.681
172	3595.190	4350.080
173	3595.897	4408.076
174	3489.630	4389.055
175	3526.780	4433.595
176	3471.339	4479.839
177	3484.661	4495.811
178	3440.121	4532.962
179	3426.798	4516.990
180	3296.220	4625.905
181	3259.069	4581.365
182	3284.365	4638.123
183	3238.726	4602.331
184	3206.755	4737.086
185	3161.116	4701.295
186	3161.799	4779.839
187	3121.659	4736.927
188	3187.507	4802.274
189	3268.542	4832.099
190	3463.781	4829.718
191	3464.489	4867.714
192	3269.249	4890.094
193	3149.372	4845.974
194	3110.846	4812.354
195	3084.857	4772.799
196	3095.826	4821.839
197	3026.943	4803.472
198	3068.434	4844.000
199	2961.281	4953.701
200	2919.790	4913.173
260	4626.778	2628.013
261	4680.460	2650.755
262	4619.487	2651.653
263	4674.911	2668.747
264	4614.766	2753.628
265	4561.990	2772.849
266	4634.614	2808.126
267	4709.354	2813.144
268	4581.838	2827.347
269	4744.905	2849.995
270	4667.613	2853.414
271	4703.164	2880.265
272	4459.246	2898.100
273	4516.573	2906.909
274	4454.027	2932.065
275	4511.354	2940.874
276	4749.037	3035.466
277	4806.338	3044.416
278	4595.545	3136.788
279	4287.562	3140.544
280	4726.118	3181.718
281	4783.419	3190.698
282	4779.873	3240.282
283	4721.878	3241.018
284	4723.288	3352.122
285	4598.298	3353.708
286	4928.558	3451.664
287	4782.580	3453.517
288	3967.287	4889.583
289	3968.787	5012.574
290	4470.039	5006.462
291	4465.548	4686.493
292	4186.159	4689.900
293	4186.281	4699.899
294	3923.510	4703.103
295	3925.083	4832.094
296	3966.580	4831.588
297	4256.773	4886.054
298	4256.066	4828.058

X:\APPS\LOCAL\PLS30B\PNTLST Wed May 8 11:20:58 1996 Kelly Henderson - Poe and Associates, Inc.

POE & ASSOCIATES OF KANSAS, INC.
Consulting Engineers
434 N. Oliver Suite 110 ■ Wichita KS 67208 ■ 316/685-4114

ENGINEER : K. Hill	MEADOW OAKS 2ND ADDITION
ENG. TECH. : K. Henderson	CCORDINATE POINTS LIST
CAD TECH: K. Henderson	CITY OF ANDOVER, KANSAS
DATE : May 1996	PROJECT NO. 468-82570
SHEET 7 of 8	INDEX CODE 742684



BENCHMARKS
(City of Wichita Datum)

BM #1
City of Wichita Benchmark Disc, 5.5' E. and 37' N. of N 1/4 Corner Sec. 1-27-1E
Elev. 172.38

BM #2
NW Corner Concrete Gutter on Beacon Hill Road Median at 29th Street North
Elev. 162.99

LINE	DIRECTION	DISTANCE
100	N81°15'51"W	75.09'
101	N20°00'41"W	83.10'
102	S89°16'22"W	111.11'
103	S81°05'31"E	148.04'
104	S46°01'40"W	51.20'
105	S72°51'34"E	22.93'

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
1	211.00'	51.41'	25.83'	51.29'	N20°17'32"E	13°57'40"
2	371.08'	165.81'	84.31'	164.44'	S10°08'50"W	25°36'08"
3	1222.50'	307.05'	154.34'	306.24'	N79°26'45"W	14°23'27"
4	130.00'	138.98'	76.96'	132.45'	S59°38'16"E	61°15'10"
5	325.00'	54.65'	27.39'	54.58'	S85°54'37"E	09°38'01"
6	200.00'	184.58'	99.45'	178.10'	S72°28'02"W	52°52'43"
7	175.00'	73.18'	37.13'	72.65'	N58°00'29"E	23°57'39"
8	175.00'	113.47'	58.81'	111.50'	N38°33'52"E	37°09'07"
9	50.00'	252.29'	35.60'	58.00'	N08°44'09"E	288°55'55"
10	371.08'	28.01'	14.01'	28.00'	S25°06'38"W	04°19'28"

REQUIRED MINIMUM BUILDING ELEVATIONS					
DESCRIPTION	MIN. FLOOR ELEV.		MIN. LOW OPENING ELEV.		
	CITY DATUM	M.S.L.	CITY DATUM	M.S.L.	
BLOCK 1					
Lots 1-7	164.0	1351.4	164.0*	1351.4	
Lots 8-10	—	—	164.0	1364.4	
BLOCK 2					
Lots 1-8	164.0	1351.4	164.0*	1351.4	
Lots 7-9	—	—	164.0	1351.4	
Lots 10-12	164.0	1351.4	164.0*	1351.4	
Lots 13-16	—	—	164.0	1351.4	

* No building permits are to be issued for Lots 1 through 7, Block 1 or Lots 1 through 6 and Lots 10 through 12, Block 2, unless the lowest floor can be constructed above 164.0 City Datum (1351.4 M.S.L.) or unless the City of Wichita has received a letter of map revision from FEMA which will allow buildings to be constructed at the lowest opening listed in the accompanying table.

STATE OF KANSAS, COUNTY OF SEDGWICK: ss.

I, Kenny E. Hill, being a duly licensed Land Surveyor in said County and State, do hereby certify that I have been in responsible charge of surveying and platting "MEADOW OAKS 2ND ADDITION" to Wichita, Kansas, being a replat of Lot 1, Block 4 and Lots 110, 111, 112, 113, 114 and 115, Block 2 in Meadow Oaks Addition to Wichita, Kansas being more particularly described as follows:

Commencing at the Northeast Corner of the Northwest Quarter of Section 1, Township 27 South, Range 1 East of the 6th P.M. Sedgwick County, Kansas, thence S89°16'22"W on the North line of said Southwest Quarter for a distance of 980.44 feet; thence S00°43'38"E for a distance of 50.00 feet to the Northwest corner of said Lot 1, Block 4 to the point of beginning; thence S00°43'38"E for a distance of 70.00 feet; thence S13°18'42"W for a distance of 124.92 feet; thence on a circular curve to the right having a radius of 211.00 feet and a central angle of 13°57'40" for an arc distance of 51.41 feet to a point of curve; thence on a circular curve to the left having a radius of 371.08 feet and a central angle of 29°55'16" for an arc distance of 193.82 feet; thence S02°39'14"E for a distance of 130.33 feet; thence S81°51'11"E for a distance of 60.89 feet; thence S33°38'28"E for a distance of 164.15 feet; thence on a circular curve to the right having a radius of 1222.50 and a central angle of 14°23'27" for an arc distance of 307.05 feet; thence N00°41'55"W for a distance of 308.01 feet to the Southwest Corner of Said Lot 111 Block 2; thence N89°16'22"E for a distance of 216.94 feet; thence N00°43'38"W for a distance of 183.00 feet; thence N89°16'22"E for a distance of 102.14 feet; thence N00°43'38"W for a distance of 146.00 feet; thence S89°16'22"W for a distance of 755.89 feet to the point of beginning. Vacation of the previously dedicated easements are by virtue of K.S.A. 12-512 (b).

The accompanying plat is a true and correct exhibit of property surveyed.

Dated this 27TH day of JANUARY, 1996.

KENNY E. HILL LICENSED LAND SURVEYOR 984 STATE OF KANSAS

Kenny E. Hill, L.S. 984

KNOW ALL MEN BY THESE PRESENTS:

That we, the undersigned, have caused the land described in the Surveyor's Certificate to be platted into lots, blocks, streets and a reserve. The streets are hereby dedicated to and for the use of the public. Easements are hereby granted as indicated for the construction and maintenance of drainage, utilities and a wall. Reserve A shall permit entry monuments, lighting, landscaping, fences, walls, utilities confined to easements and irrigation systems. Utilities may cross the wall easement. The reserve is to be owned and maintained by a property owners association its successors and assigns. The minimum low opening elevation for the homes buist in this addition shall be 164.0 (City of Wichita Datum). Additional minimum building elevations are listed in the Required Minimum Building Elevation Table on the face of the plat. All abuters' rights of access to or from 29th Street North over and across the North line of Lots 3 through 10, Block 1 and Reserve A are hereby granted to the City of Wichita.

3AH-Inc.

Mathias Eck, President

STATE OF KANSAS, COUNTY OF SEDGWICK: ss.

This instrument was acknowledged before me on this 29th day of January, 1996, by Mathias Eck, President of 3AH-Inc.

CAROL R. BARNES Notary Public - State of Kansas My Appt. Expires 4-25-96

Notary Public CAROL R. BARNES

My Appointment Expires: _____

KNOW ALL MEN BY THESE PRESENTS:

That the State Bank of Colwich, holders of a mortgage on the property described in the Surveyor's Certificate, do hereby consent to the plat of Meadow Oaks 2nd Addition.

Frank A. Suellentrop, President

STATE OF KANSAS, COUNTY OF SEDGWICK: ss.

This instrument was acknowledged before me on this 26 day of Jan, 1996, by Frank A. Suellentrop, President of State Bank of Colwich.

STEVEN SCHOENECKER NOTARY PUBLIC STATE OF KANSAS My Appt. Exp. 8-24-98

Notary Public Steve Schoenecker

My Appointment Expires: 8-24-98

KNOW ALL MEN BY THESE PRESENTS:

That Critchfield Real Estate Limited Partnership 1985, a Kansas Limited Partnership, holders of a mortgage on the property described in the Surveyor's Certificate, do hereby consent to the plat of Meadow Oaks 2nd Addition.

Edward C. Hill, Agent

STATE OF KANSAS, COUNTY OF SEDGWICK: ss.

This instrument was acknowledged before me on this 25th day of January, 1996, by Edward C. Hill, Agent for Critchfield Real Estate Limited Partnership 1985, a Kansas Limited Partnership.

NANCY N. PRUITT Notary Public - State of Kansas My Appt. Expires 6-11-97

Notary Public Nancy N. Pruitt

My Appointment Expires: June 11, 1997

This plat of MEADOW OAKS 2ND ADDITION to Wichita, Kansas has been submitted to and approved by this WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION, Wichita, Kansas.

Dated this 17th day of August, 1995

WICHITA SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

Sarah Osborne - Howes, Chairman

Marvin S. Krout, Secretary

This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this 13th day of February, 1996.

Bob Knight, Mayor

Pat Burnett, Deputy City Clerk

Entered on transfer record this 25th day of APRIL, 1996.

By Patricia Ructor, Deputy County Clerk
For Susan E. Crockett-Spoon, County Clerk, By Patricia Ructor, Deputy County Clerk

This is to certify that this instrument was filed for record in the Register of Deeds Office at 12:30 A.M.-P.M. on the 25th day of April, 1996.

#1522256

Pat Kettler, Register of Deeds

Phyllis Hernandez Deputy

MEADOW OAKS 2ND ADDITION

TO WICHITA, SEDGWICK COUNTY, KANSAS

SHT. 8 of 8

R26-1

22-7 ok

P: \ Jim Ubert - Poe & Assoc.

102-1514