

DRAINAGE PLAN

RITCHIE OFFICE PARK ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

DRAINAGE NOTES

- The Existing Soil Type per Soil Survey of Sedgewick County, Kansas is Pits. This Classification Does Not Have a Hydrologic Group.
- A Portion of This Parcel of Land is Located in A FEMA Flood Hazard Zone Area Per FIRM Map (Community/ Panel Number; 200-0030) Effective Date: June 3, 1987.
- The Proposed Drainage Plan Provided Herein is a Generaly Defined Plan To Follow for Design Is Recognized and Assumed That Upon the Final Design of Site Grading and Storm Sewer Improvements Within This Plat, The Designer Will Modify or Alter General Drainage Plan As Necessary In Order to Implement the Installation of the Improvements Obtain the Most Economical Design and Construction Possible.
- The Minimum Rod For All Lots Within This Plat Shall Be 138.6 City Datum or (1326 M.S.L.).

LOCATION

N.E. = 1320.70
B.F.E. = 1324.50 City Datum

D.A. = 16,150 sq ft
D.W. = 2,375 cfs
D.V. = 248 cfs
F.I. (PI) = 627.38
F.I. (OUT) = 128.10

NOTE

HORIZONTAL AND VERTICAL CONTROL FLUSHED BY BATHMAN COMPANY P.A.
TOPOGRAPHY BY PHOTOGRAMMETRIC MEASURES FROM AERIAL PHOTOGRAPHS TAKEN ON MARCH 20, 2003 BY ALPHABET BY BATHMAN

MARKSHIELD

406159

Drainage Area	Area (ac)	C _s	C _m	T _r (min)	I _p (ft/hr)	I _e (ft/hr)	Q _p (cfs)	Q _e (cfs)
1	5.12	0.60	0.80	15	4.56	7.37	16	30
2	1.22	0.60	0.80	15	4.56	7.37	3.8	7.2
3	3.07	0.60	0.80	15	4.56	7.37	9.7	18
4	3.30	0.60	0.80	15	4.56	7.37	10	20
5	6.76	0.60	0.80	15	4.56	7.37	21	40
6	8.4	0.60	0.80	15	4.56	7.37	2.6	5.0
7	1.56	0.60	0.80	15	4.56	7.37	4.9	9.2
8	7.60	0.60	0.80	15	4.56	7.37	25	47
9	5.77	0.60	0.80	15	4.56	7.37	18	34
10	1.43	0.60	0.80	15	4.56	7.37	4.5	8.4
11	1.74	0.60	0.80	15	4.56	7.37	5.5	10
12	0.81	0.60	0.80	15	4.56	7.37	2.5	4.8
13	1.97	0.60	0.80	15	4.56	7.37	6.2	12

LEGAL DESCRIPTION:
A tract of land in the NW1/4 of Sec. 3,
T12N, R10E, of the 6th P.M., of the 1st
County Kansas described as follows: Beginning
at the SE corner of Woodgewood as indicated in
the plat of the 1st of said County, Kansas, thence
northerly through said Woodgewood to the western
line of said Woodgewood, 7.525' to 1st NW
corner of said Woodgewood, thence southerly
and southeasterly along a curve to the right,
on an arc distance of 144 feet, more or less,
to the intersection of the line of said Woodgewood,
488 feet; thence southeasterly, 401 feet; thence
southerly, 102 feet; thence southeasterly, 102
feet, more or less, to a point on the
southeasterly right-of-way line of the Kansas
Pacific Railroad, thence southeasterly along
said southeasterly railroad right-of-way,
1022 feet, more or less, to the most northerly
corner of the NW1/4 of Sec. 3, T12N, R10E,
Sedgewick County, Kansas; thence westerly
along the north line of said North Lees Addition,
T12N, R10E, to the NW1/4 corner of said NW1/4;
thence northerly line of Mera Ridge on addition
to Minto, Sedgewick County, Kansas, to the
NW1/4 corner of said "Reserve #4", thence
northerly along the east line of said
"Reserve #4", to the NW1/4 corner of said
said "Reserve #4", thence east along the south
line of said Woodgewood, 137.67 feet to the

BENCHMARK:
COW benchmark located at the SW
cor of intersection of 29th and Ridge
Rd. Elev = 139.15 City Datum

Drainage Area	Area (ac)	Cw	Tc	1s (hr/ft)	1w (hr/ft)	Cd (ft)	Qd (cfs)
1	5.12	0.89	0.80	15	4.56	7.37	16
2	1.22	0.69	0.80	15	4.56	7.37	3.8
3	3.07	0.65	0.80	15	4.56	7.37	9.7
4	3.30	0.69	0.90	15	4.56	7.37	10
5	6.76	0.62	0.80	15	4.56	7.37	21
6	1.84	0.69	0.80	15	4.56	7.37	2.6
7	1.56	0.69	0.90	15	4.56	7.37	4.9
8	7.00	0.69	0.80	15	4.56	7.37	25
9	5.77	0.69	0.22	15	4.56	7.37	18
10	1.43	0.69	0.80	15	4.56	7.37	4.5
11	1.74	0.66	0.80	15	4.56	7.37	5.5
12	0.81	0.69	0.80	15	4.56	7.37	2.5
13	1.97	0.69	0.80	15	4.56	7.37	6.2

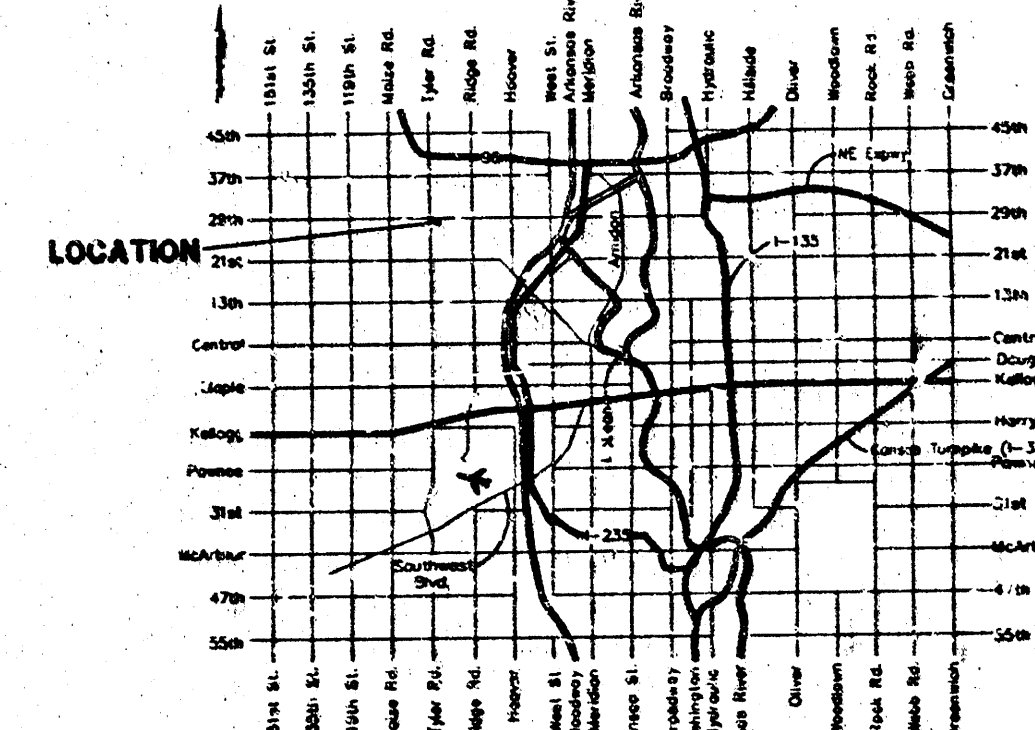
DRAINAGE NOTES

1. The Existing Soil Type per Soil Survey of Sedgwick County, Kansas is Pits. This Classification Does Not Have a Hydrologic Group.

2. A Portion of This Parcel of Land
Is Located In A FEMA Flood Hazard
Zone Area Per FIRM Map .
(Community/ Panel Number; 200321
0030) Effective Date: June 3, 1986.

3. The Proposed Drainage Plan Provided Herein is a Generally Defined Plan to Follow for Design. It is Recognized and Assumed That Upon the Final Design of Site Grading and Storm Sewer Improvements Within This Plat, That the Designer Will Modify or Alter the General Drainage Plan As Necessary in Order to Implement the Installation of the Improvements to Obtain the Most Economical Design and Construction Possible.

4. The Minimum Pad For All Lots Within This Plot Shall Be 138.6 City Datum or (1326 M.S.L.).



- # = # REBAR W/ "BAUGHMAN" CAP (FOUND)
- = # REBAR W/ "BAUGHMAN" CAP (SET)
- = # REBAR W/ "TILS" CAP (FOUND)
- ⊗ = 1" IRON (FOUND)
- = 1/2" IRON (FOUND)
- = P-K NAIL & SHIPPER IN STUMP (FOUND)
- ⊠ = BOLT (FOUND)
- = RAILROAD SPIKE (FOUND)
- = SECTION CORNER (FOUND)

- (M) = MEASURED
- (D) = DESIGNED
- (P) = PLATTED
- (C) = CALCULATED
-) END OF CULVERT
- ⊙ UTILITY POLE
- ⬅ FLAG POLE
- ⊖ RAILROAD CROSSING SIG
- CB = Catch Basin
- SS&W = Sanitary Sewer Manhole
- IN = Fire Hydrant

$D.A. = 16,158$
 $Q_{in} = 2,375$ cfs
 $Q_{out} = 249$ cfs
 $FL (in) = 127.3$
 $FL (out) = 128$

W.S. = 1318.30
E.F.E. = 1322.70 City Datum

W.S. = 1320.70
R.F.E. = 1324.50 City Datum

NOTE
HORIZONTAL AND VERTICAL CONTROL FURNISHED BY
BAUGHMAN COMPANY P.A.
TOPOGRAPHY BY PHOTOGRAMMETRIC METHODS FROM
AERIAL PHOTOGRAPHS TAKEN ON MARCH 20, 2000 BY MARKHURD
BY MARKHURD.

MARKHURD

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
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