DRAINAGE PLAN FOR VOEGELI 2ND ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

FLOOD ZONE MAP

Sec. 25, T27S, R1W

SCALE : 1" = 2,000'

FLOOD ZONE:

Subject property is in Zone B, as shown of Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) for Sedgwick County, Kansas, Community Panel Number 200328 0025 B, effective May 15, 1986.

QUADRANGLE MAP

Sec. 25, T27S, R1W

WICHITA WEST QUADRANGLE

7.5 Minute Series

SCALE : 1" = 2,000'

EXISTING DRAINAGE DATA
Area=1.1 acres
SCS Soil Type B
Naron Fine Sandy Loam
C = 0.37
Tc = 44 min.
i 100=4.48"/hr.
Q 100=1.8 cfs

PROPOSED DRAINAGE DATA
Area=1.1 acres
SCS Soil Type B
Naron Fine Sandy Loam
WTD 'C' = 0.75
Tc = 15 min.
i 100=7.40"/hr.
Q 100=6.1 cfs

PROP. DRAINAGE DATA	EXIST. DRAINAGE DATA
Area=0.7 acres	Area=0.7 acres
SCS Soil Type B	SCS Soil Type B
Naron Fine Sandy Loam	Naron Fine Sandy Loam
WTD 'C' = 0.78	C = 0.37
Tc = 15 min.	Tc = 37 min.
i 100=7.40"/hr.	i 100=4.95"/hr.
Q 100=4.0 cfs	Q 100=1.3 cfs

PROP. DRAINAGE DATA	EXIST. DRAINAGE DATA
Area=1.0 acres	Area=1.0 acres
SCS Soil Type B	SCS Soil Type B
Naron Fine Sandy Loam	Naron Fine Sandy Loam
WTD 'C' = 0.85	C = 0.37
Tc = 15 min.	Tc = 31 min.
i 100=7.40"/hr.	i 100=5.43"/hr.
Q 100=6.3 cfs	Q 100=2.0 cfs

PROPOSED DRAINAGE DATA
Area=0.6 acres
SCS Soil Type B
Naron Fine Sandy Loam
WTD 'C' = 0.86
Tc = 15 min.
i 100=7.40"/hr.
Q 100=3.8 cfs

EXISTING DRAINAGE DATA
Area=0.6 acres
SCS Soil Type B
Naron Fine Sandy Loam
C = 0.37
Tc = 37 min.
i 100=4.95"/hr.
Q 100=1.1 cfs

TOTAL PROPOSED DRAINAGE DATA	TOTAL EXISTING DRAINAGE DATA
Area=1.1 acres	Area=4.2 acres
SCS Soil Type B	SCS Soil Type B
Naron Fine Sandy Loam	Naron Fine Sandy Loam
WTD 'C' = 0.75	C = 0.37
Tc = 15 min.	Tc = 46 min.
i 100=7.40"/hr.	i 100=4.36"/hr.
Q 100=6.1 cfs	Q 100=6.6 cfs

EXISTING DRAINAGE DATA	PROPOSED DRAINAGE DATA
Area=0.5 acres	Area=0.5 acres
SCS Soil Type B	SCS Soil Type B
Naron Fine Sandy Loam	Naron Fine Sandy Loam
C = 0.37	WTD 'C' = 0.79
Tc = 25 min.	Tc = 15 min.
i 100=6.01"/hr.	i 100=7.40"/hr.
Q 100=1.1 cfs	Q 100=2.9 cfs

EXISTING DRAINAGE DATA	PROPOSED DRAINAGE DATA
Area=0.3 acres	Area=0.3 acres
SCS Soil Type B	SCS Soil Type B
Naron Fine Sandy Loam	Naron Fine Sandy Loam
C = 0.37	WTD 'C' = 0.85
Tc = 30 min.	Tc = 15 min.
i 100=5.52"/hr.	i 100=7.40"/hr.
Q 100=0.6 cfs	Q 100=1.9 cfs

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)

1 inch = 50 ft.

ON SITE BENCH MARK
"D" CUT, SE CORNER OF CATCH BASIN ON THE N.E. CORNER OF McCOMAS AND HARRY STREET
ELEV = 1298.46 N.G.V.D.

LEGEND

M = Measured
D = Described

TC = Top of Curb
FL = Flow Line
G = Gas Main
UGT = Under Ground Telephone

- TELE. PED . . . . . TELEPHONE PEDESTAL
- V.B. . . . . VALVE BOX
- F.H. . . . . FIRE HYDRANT
- . . . . . POST
- . . . . . POWER POLE
- ← . . . . . GUY ANCHOR
- . . . . . SIGN
- SWS M.H. . . . . STORM WATER SEWER MANHOLE
- SS M.H. . . . . SANITARY SEWER MANHOLE
- THIMBLE . . . . . CITY OF WICHITA CONTROL (FOUND)
- RLS 950. . . . . 1/2" REBAR W/RLS 950 CAP (FOUND)
- SRB . . . . . 1/2" REBAR W/SRB CAP (FOUND)
- CN. . . . . CONCRETE NAIL (FOUND)
- BM . . . . . ON SITE BENCH MARK

= Proposed Drainage Flow Direction
= Drainage Basin
= Asphalt Surface(68,064 s.f. or 1.56 Acres)
= Grass Surface(39,575 s.f. or 0.91 Acres)
= Roof Surface(81,000 s.f. or 1.86 Acres)

Owner:
Randall E. Voegeli
& Bonnie D. Voegeli
3506 W. Harry
Wichita, KS 67213

GROSS AREA:
215999.96 Sq. Ft.±
4.96 Acres±

NET AREA:
180574.96 Sq. Ft.±
4.15 Acres±

MINIMUM LOT SIZE:
180574.96 Sq. Ft.±
4.15 Acres±

EXISTING ZONING: LI – Limited Industrial

CONTROL NO. 492265

HARLAN DALE FORMELLA LICENSED 10891 PROFESSIONAL ENGINEER KANSAS
4.22.04

LEGAL DESCRIPTION:

That part of the SW1/4 of Sec. 25, Twp. 27S, R-1-W of the 6th P.M., Sedgwick County, Kansas, described as commencing at the S.W. Corner of said SW1/4; thence east along the South Line of said SW1/4, 750 feet for a place of beginning; thence north parallel with the West Line of said SW1/4, 460 feet; thence east, parallel with the South Line of said SW1/4, 487.5 feet; thence south, parallel with the West Line of said SW1/4, 130 feet; thence west, parallel with the South Line of said SW1/4, 25 feet; thence south, parallel with the West Line of said SW1/4, 330 feet to the South Line of said SW1/4; thence west, along the South Line of said SW1/4, 462.5 feet to the place of beginning.

Savoy Company, P.A.
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DRAINAGE PLAN PREPARED BY:

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CED
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SHEET 1
TOTAL 1