

DRAINAGE PLAN AND 4 CORNER GRADING CONCEPT PLAN
SHADOW RIDGE ADDITION
 WICHITA, SEDGWICK COUNTY, KANSAS

COMBINED AREA
 DRAINAGE DATA
 SCS Type B Soil
 Area=4.18 acres
 C = 0.52
 Tc = 39 min.
 Q 2=2.87 cfs
 Q 2=6.24 cfs

DRAINAGE DATA
 AREA #1
 SCS Type B Soil
 Area=0.95 acres
 C = 0.52
 Tc = 26 min.
 Q 2=3.30 cfs
 Q 2=1.4 cfs

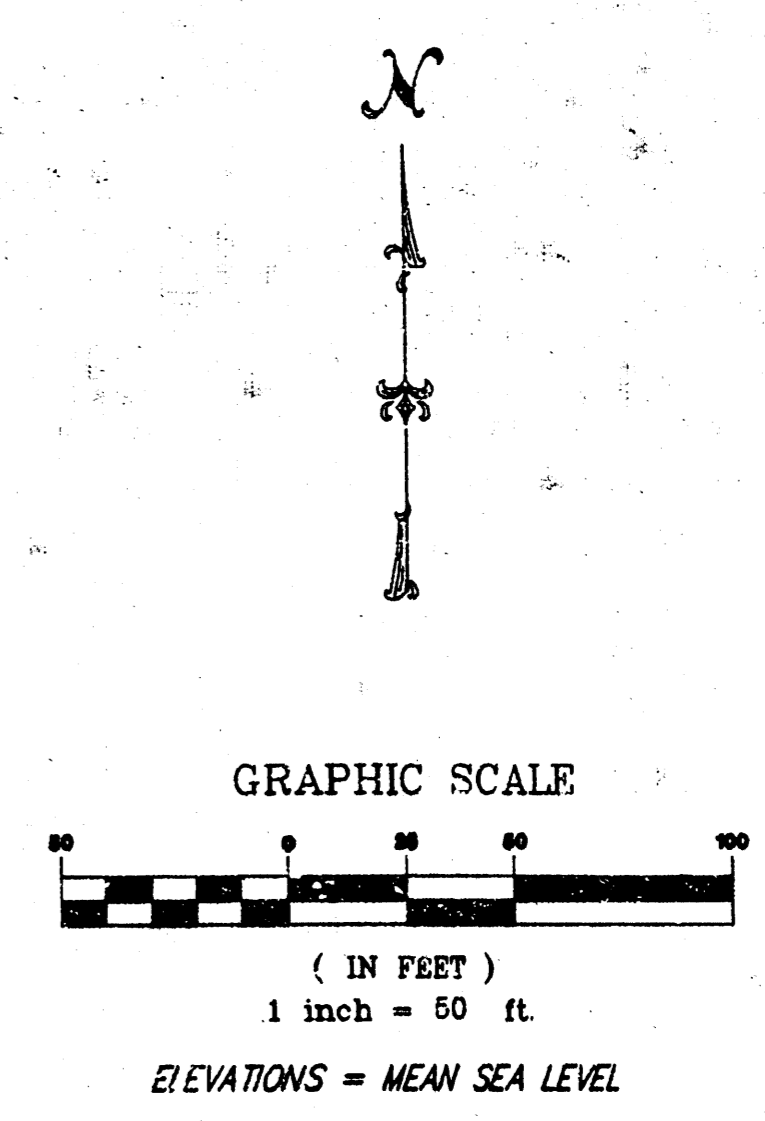
DRAINAGE DATA
 AREA #2
 SCS Type B Soil
 Area=1.86 acres
 C = 0.52
 Tc = 30 min.
 Q 2=3.30 cfs
 Q 2=3.2 cfs

DRAINAGE DATA
 AREA #3
 SCS Type B Soil
 Area=1.37 acres
 C = 0.52
 Tc = 20 min.
 Q 2=3.30 cfs
 Q 2=2.4 cfs

DRAINAGE DATA
 AREA #4
 SCS Type B Soil
 Area=1.53 acres
 C = 0.52
 Tc = 20 min.
 Q 2=2.8 cfs

DRAINAGE DATA
 AREA #5
 SCS Type B Soil
 Area=0.58 acres
 C = 0.52
 Tc = 39 min.
 Q 2=2.25 cfs
 Q 2=0.68 cfs

COMBINED AREA
 DRAINAGE DATA
 SCS Type B Soil
 Area=2.21 acres
 C = 0.52
 Tc = 39 min.
 Q 2=2.25 cfs
 Q 2=2.59 cfs



LEGAL DESCRIPTION:
 Part of Lot 10, Block B, Ploneview Subdivision No. 2, Wichita, Kansas.

GROSS SIZE
 279,390.24 Sq. Ft.
 6.41 Acres

REFERENCE BENCH MARK: CITY OF WICHITA STD. DISC
 N.E. CORNER OF BRIDGE @ HILLSIDE 7 25TH ST. S.
 ELEV. = 1291.74 NGVD

NET SIZE OF PLAT
 279,390.24 Sq. Ft.
 6.41 Acres

ON SITE BENCH MARK: "13" CUT ON TOP OF CURB
 N. SIDE SUNNYBROOK LANE 456' E. OF RUTAN STREET
 ELEV. = 1303.98 NGVD

MINIMUM LOT SIZE
 6900.0 Sq. Ft.

OWNER

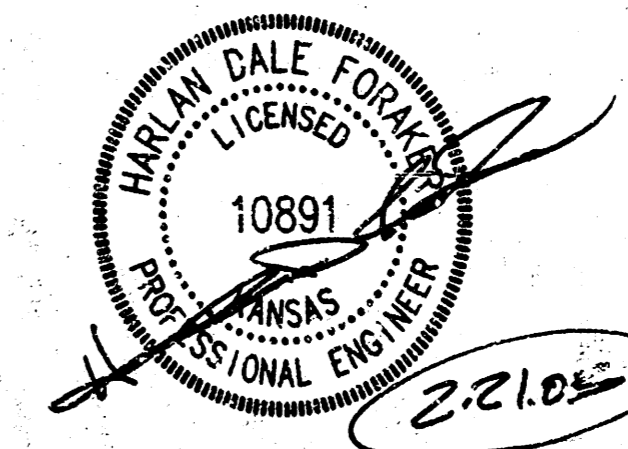
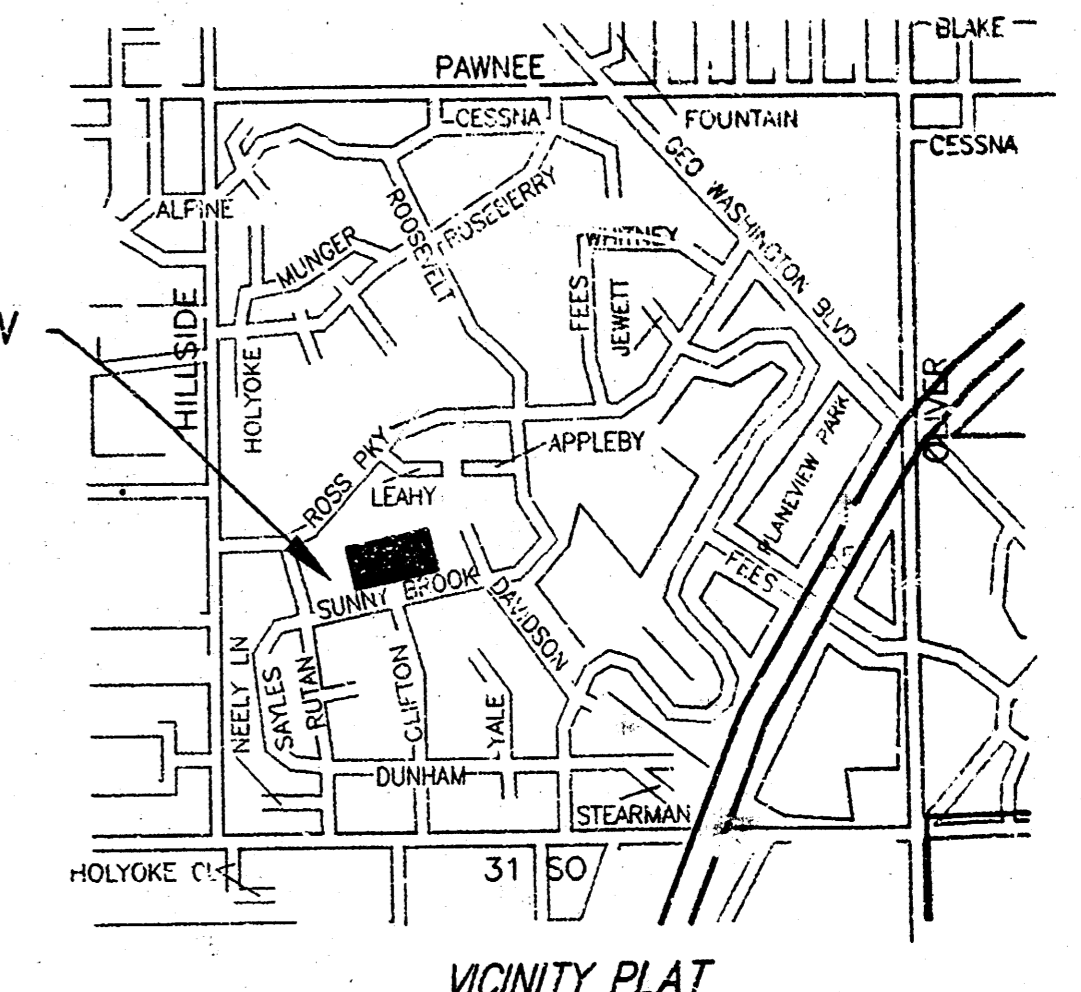
Robert Snyder
 3620 E. Sunnybrook
 Wichita, KS 67210
 Ph: 634-7734

ZONING
 MF29

CONTROL NUMBER
 174846

FLOOD ZONE:

Subject property is in Zone C, 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.



Savoy Company, P.A.
 Land Surveyors
 535 S. Emporia, Suite 104, Wichita, KS 67202
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 FAX (316) 265-0275
 www.savoyco.com

RUNOFF DATA FOR 2 YEAR RETURN PERIOD

Drainage Basin #	Area (Acres)	C	Tc	i 5	Q 5 (CFS)
1	0.95	0.52	26	2.87	1.46
2	1.86	0.52	20	3.30	1.44
3	1.37	0.52	20	3.30	1.16
4	1.63	0.52	20	3.30	1.19
5	0.58	0.52	39	5.21	0.68

RUNOFF DATA FOR 100 YEAR RETURN PERIOD

Drainage Basin #	Area (Acres)	C	Tc	i 100	Q 100 (CFS)
1	0.95	0.67	26	5.90	3.76
2	1.86	0.67	20	6.60	8.22
3	1.37	0.67	20	6.60	6.06
4	1.63	0.67	20	6.60	7.21
5	0.58	0.67	39	4.80	1.87

DRAINAGE PLAN PREPARED BY:
CERTIFIED ENGINEERING DESIGN, P.A.
 810 WEST DOUGLAS, SUITE C
 WICHITA, KANSAS 67203
 PH: (316) 262-8808
 FAX: (316) 262-1669

SHEET 1
 TOTAL 1

**APPROVED
 DRAINAGE PLAN**

Project No. 02E704629P

PLAT MARKED 6/28/03