

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 = 26 min.
 I = 2=2.87 /hr.
 Q 2=6.24 cfs

DRAINAGE DATA AREA #1
 SCS Type B Soil
 Area=0.95 acres
 C = 0.52
 Tc = 26 min.
 I = 2=2.87 /hr.
 Q 2=1.4 cfs

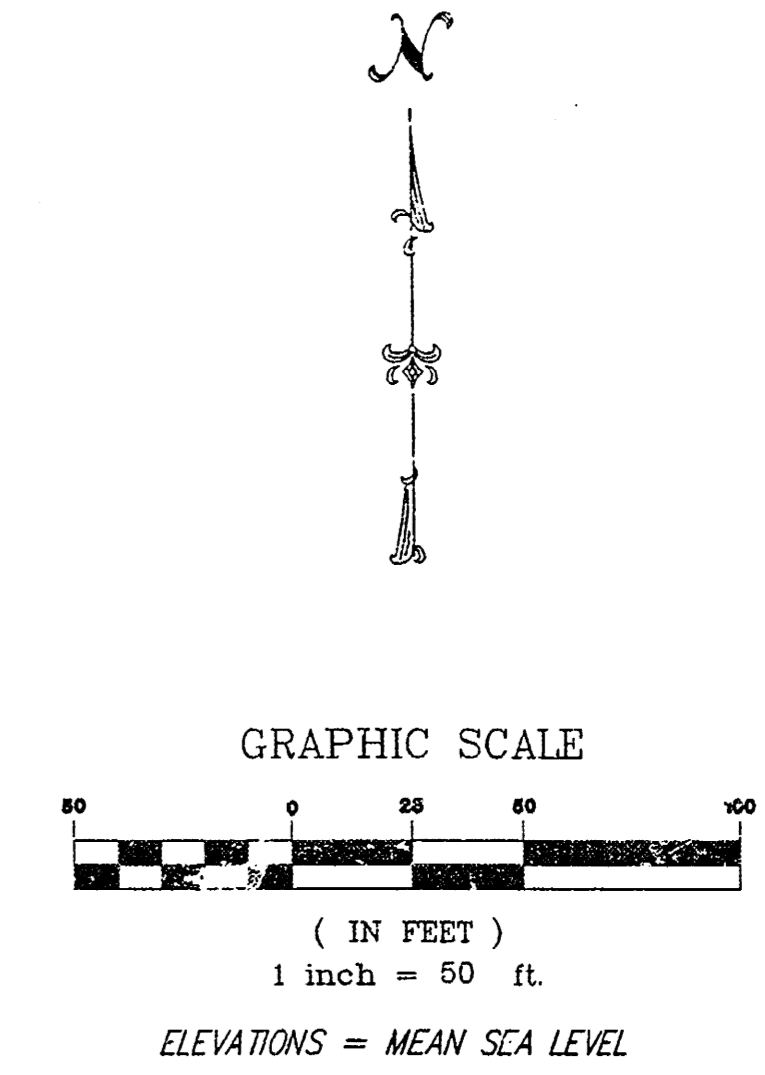
DRAINAGE DATA AREA #2
 SCS Type B Soil
 Area=1.86 acres
 C = 0.52
 Tc = 20 min.
 I = 2=3.30 /hr.
 Q 2=3.2 cfs

DRAINAGE DATA AREA #3
 SCS Type B Soil
 Area=1.17 acres
 C = 0.52
 Tc = 20 min.
 I = 2=3.30 /hr.
 Q 2=2.8 cfs

DRAINAGE DATA AREA #4
 SCS Type B Soil
 Area=1.63 acres
 C = 0.52
 Tc = 20 min.
 I = 2=3.30 /hr.
 Q 2=2.8 cfs

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

COMBINED AREA DRAINAGE DATA
 SCS Type B Soil
 Area=2.71 acres
 C = 0.52
 Tc = 39 min.
 I = 2=2.25 /hr.
 Q 2=2.59 cfs



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

GROSS SIZE
 279,390.24 Sq. Ft.
 6.41 Acres

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

MINIMUM LOT SIZE
 6,900.0 Sq. Ft.

ZONING
 MF29

CONTROL NUMBER
 174846

REFERENCE BENCH MARK: CITY OF WICHITA STD. DISC
 N.E. CORNER OF BRIDGE @ HILLSIDE 7 23TH ST. S.
 ELEV. = 1291.74 NGVD

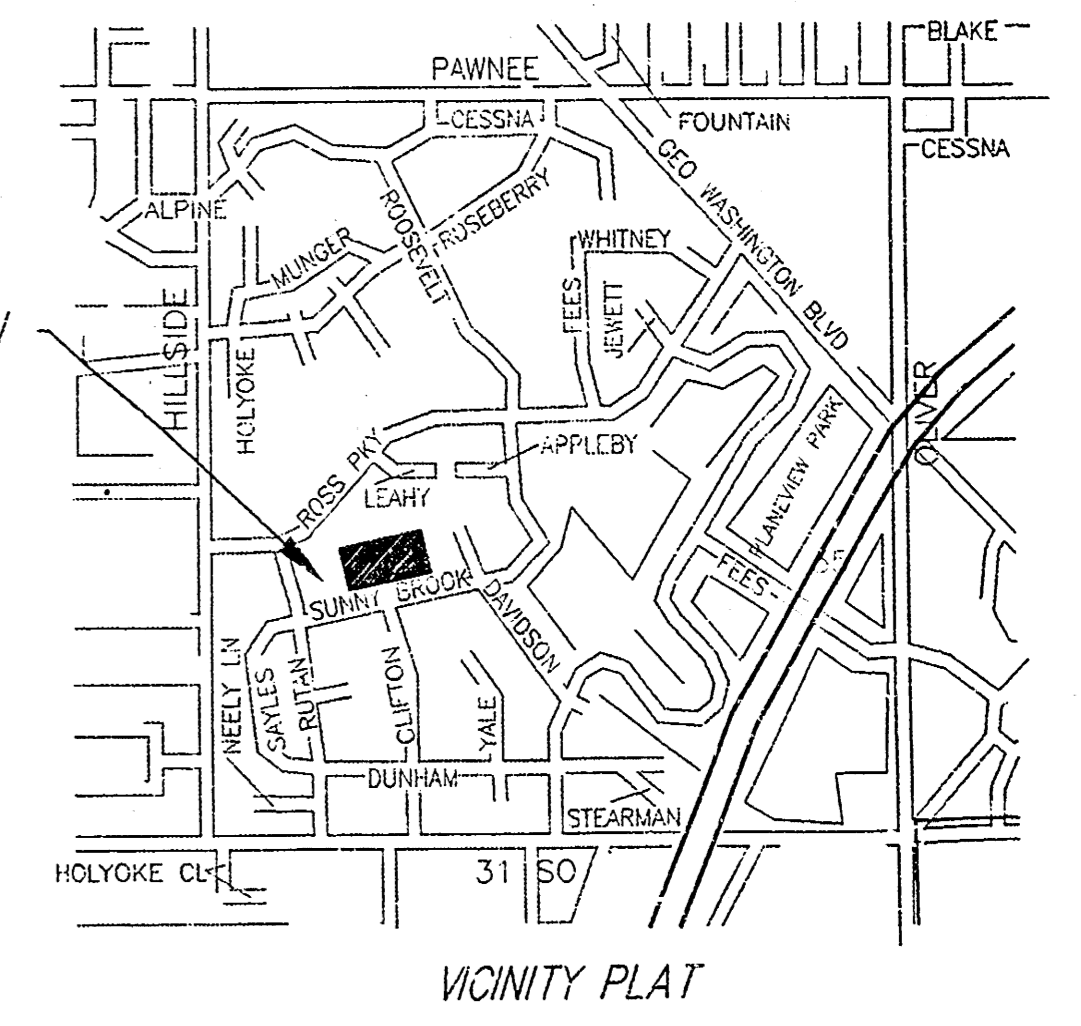
ON SITE BENCH MARK: "13" OUT ON TOP OF CURB
 N. SIDE SUNNYBROOK LANE 456' E. OF RUTAN STREET
 ELEV. = 1303.96 NGVD

OWNER

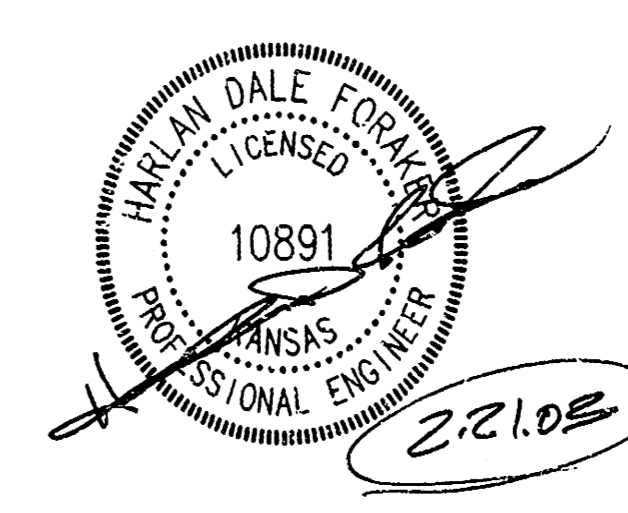
Robert Snyder
 3620 E. Sunnybrook
 Wichita, KS 67210
 Ph: 634-7734

FLOOD ZONE:

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



**APPROVED
 DRAINAGE PLAN**



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
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SHEET 1
 TOTAL 1



Savoy Company, P.A.
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27 August 2002
 28 June 2002

Project No. 02E00492PP

TRACED MARKED 6 MARCH 2003