

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 = 28 min.
Q = 2.87 cfs

DRAINAGE DATA
AREA #1
SCS Type B Soil
Area=0.95 acres
C = 0.52
Tc = 28 min.
Q = 2.87 cfs

DRAINAGE DATA
AREA #2
SCS Type B Soil
Area=0.95 acres
C = 0.52
Tc = 28 min.
Q = 2.87 cfs

DRAINAGE DATA
AREA #3
SCS Type B Soil
Area=1.37 acres
C = 0.52
Tc = 28 min.
Q = 2.87 cfs

DRAINAGE DATA
AREA #4
SCS Type B Soil
Area=1.53 acres
C = 0.52
Tc = 28 min.
Q = 2.87 cfs

DRAINAGE DATA
AREA #5
SCS Type B Soil
Area=0.58 acres
C = 0.52
Tc = 28 min.
Q = 2.87 cfs

COMBINED AREA
DRAINAGE DATA
SCS Type B Soil
Area=7.21 acres
C = 0.52
Tc = 28 min.
Q = 2.87 cfs

GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

ELEVATIONS = MEAN SEA LEVEL

LEGAL DESCRIPTION:

Part of Lot 10, Block B, Platteview 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
6900.0 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

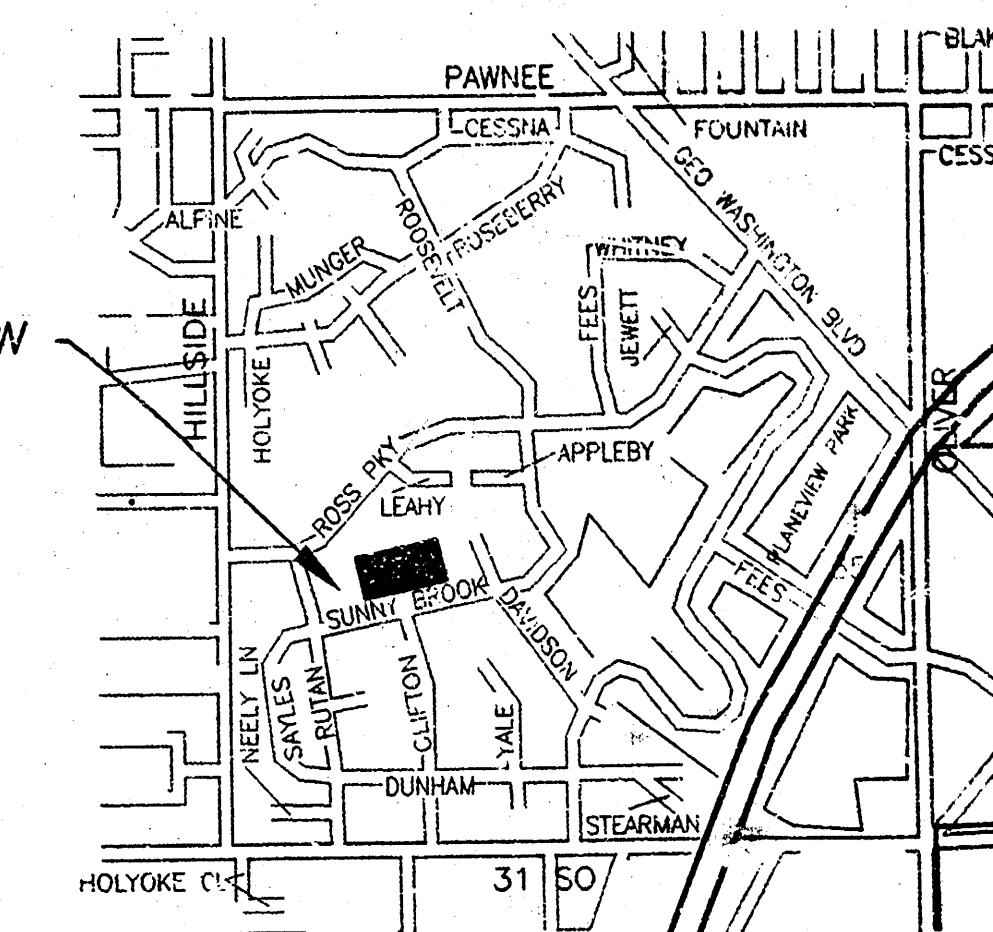
ON SITE BENCH MARK: "12" CUT ON TOP OF CURB
N. SIDE SUNNYBROOK LANE 450' E. OF RUTAN STREET
ELEV. = 1303.98 NGVD

OWNER

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

FLOOD ZONE:

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



SHADOW RIDGE ADDITION

APPROVED
DRAINAGE PLAN

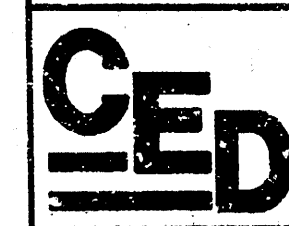
RUNOFF DATA FOR 2 YEAR RETURN PERIOD

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

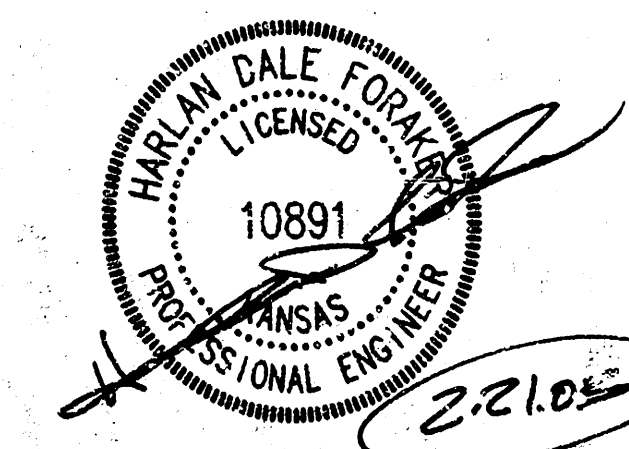
RUNOFF DATA FOR 100 YEAR RETURN PERIOD

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
FAX: (316) 262-1669



SHEET 1
TOTAL 1



Savoy Company, P.A.

Land Surveyors

PH (316) 265-0005

FAX (316) 265-0275

www.savoyco.com

2002

RECORDED & MARKED 6/10/2003