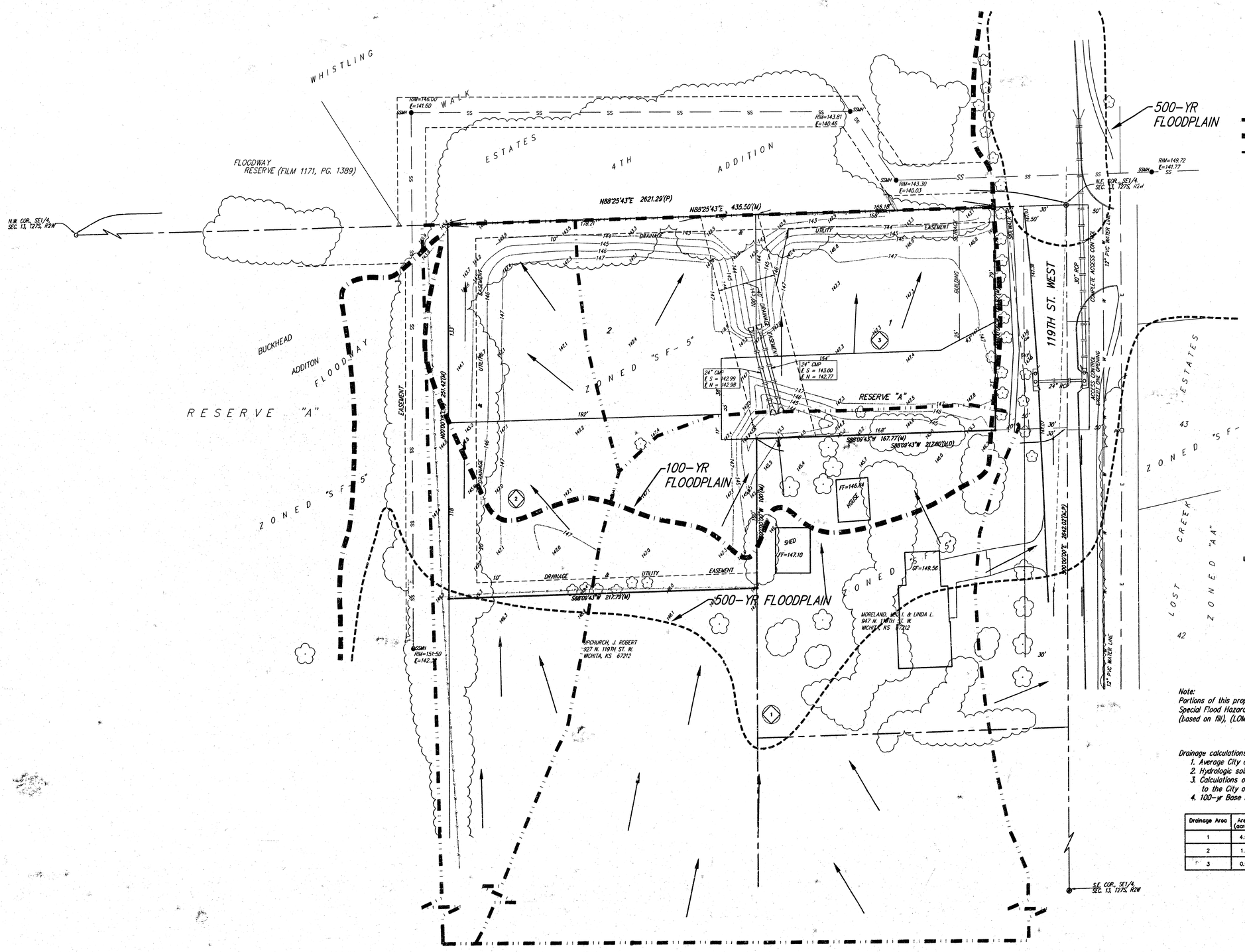
DRAINAGE CONCEPT
WOODS EDGE
AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



DATE OF PREPARATION = MAY 24, 2002
DATE OF TOPOGRAPHY = JANUARY 28, 2002
CONTOUR INTERVAL = 1 FOOT

= Drainage Basin Boundary
= 100 yr Floodplain Boundary
= 500-yr Floodplain Boundary
= Basin Identifier

OWNER:
James Goolsby
628 W. 9th Street
Wichita, Ks 67203

LEGAL DESCRIPTION:
Beginning at NE cor. of the SE 1/4 of Sec. 13, Twp. 27-S, R-2-W of the 6th P.M., Sedgwick County, Kansas; thence South 149.75 feet more or less to a point 2492.5 feet north of SE cor. of said SE 1/4; thence west parallel with the south line of said SE 1/4, 100.00 feet; thence west parallel with the south line of said SE 1/4, 217.80 feet; thence north parallel with the east line of said SE 1/4, 251.79 feet more or less, to the north line of said SE 1/4; thence east 435.6 feet to beginning.

BENCHMARK:
"□" Cut - Top of curb, W. side of 119th St. W. next to catch basin.
Elev. = 147.32 City Datum
(1334.72 M.S.L.)

RESERVE "A" IS RESERVED FOR PRIVATE ACCESS DRIVE, DRAINAGE PURPOSES, OPEN SPACE, LANDSCAPING, AND UTILITIES AS CONFINED TO EASEMENTS.

LOCATION

Note:
Portions of this property have been removed from the Special Flood Hazard Area (SPFA), by Letter of Map Revision (based on fill), (LOMR-F).

Drainage calculations have been performed with the following:
1. Average City of Wichita runoff coefficients for single family 1-acres lots
2. Hydrologic soil types B and C
3. Calculations of pipe capacity has been previously submitted to the City of Wichita's Storm Water Management Dept.
4. 100-yr Base Flood Elevation = 1334.0 msl
= 146.6 (City Datum)

Drainage Area	Area (acres)	C_5	C_{100}	T_c (min.)	I_5 (in/hr)	I_{100} (in/hr)	Q_5 (cfs)	Q_{100} (cfs)
1	4.5	0.35	0.56	15	3.83	7.37	6.0	19
2	1.1	0.35	0.56	15	3.83	7.37	1.5	4.5
3	0.9	0.35	0.56	15	3.83	7.37	1.2	3.7

29 MAY 2002

BAUGHMAN COMPANY P.A.
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