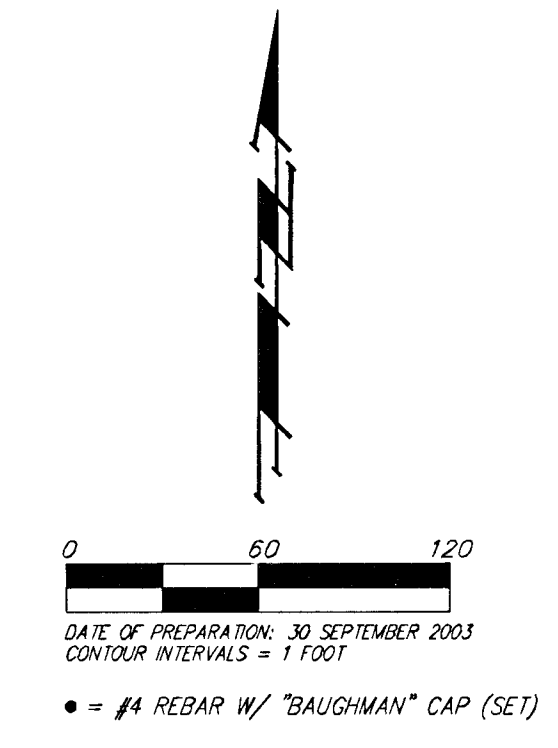


# DRAINAGE PLAN ENGLISH COUNTRY GARDENS ADDITION WICHITA, SEDGWICK COUNTY, KANSAS



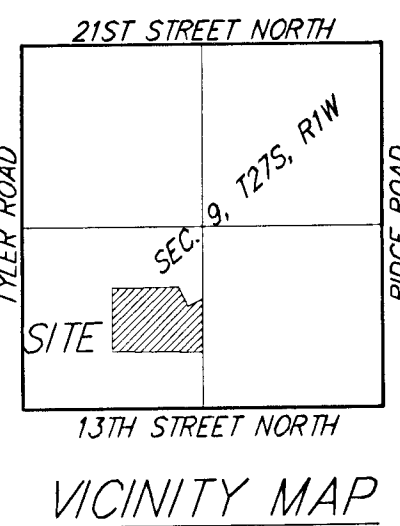
**LEGEND:**

BASIN DELINEATION

BASIN I.D.

PROP. FLOW DIRECTION

PROP. SWS



CONTRACT PURCHASER:  
JAY RUSSELL COMMUNITIES  
12602 W. 13TH  
WICHITA, KS 67225  
316-722-2417

BENCHMARK:  
TILER AND 12TH ST. NORTH  
CORN BENCHMARK, SW CORNER OF INTERSECTION  
66.70' WEST OF CENTER LINE  
77' SOUTH OF CENTER LINE  
2' EAST OF EAST FACE WALK  
2' SOUTH OF SOUTH FACE OF WALK  
4.50' EAST-SOUTHWEST TO PROPERTY CORNER

ELEV. = 158.47 (DTY DATUM)  
ELEV. = 1555.81 (NGVD29)

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

RESERVE "B" IS RESERVED FOR LANDSCAPING, OPEN SPACE, ENTRY MONUMENTS, AND PIPELINES AS CONFINED TO EASEMENTS.

English Country Gardens Addition -- Rational Method -- Q = c<sub>1</sub>a -- t<sub>c</sub> = 15 min.

Basin	Area	C <sub>2</sub>	C <sub>3</sub>	C <sub>100</sub>	Q <sub>2</sub> (cfs)	Q <sub>3</sub> (cfs)	Q <sub>100</sub> (cfs)
1	21.20	0.68	0.69	0.80	55.2	66.7	125.0
2	4.55	0.52	0.54	0.67	9.1	11.2	22.5
3	0.18	0.52	0.54	0.67	0.4	0.4	0.9
4	0.74	0.52	0.54	0.67	1.5	1.8	3.7
5	1.04	0.52	0.54	0.67	2.1	2.8	5.1
6	1.20	0.52	0.54	0.67	2.4	3.0	5.9
7	1.77	0.52	0.54	0.67	3.5	4.4	8.7
8	0.49	0.52	0.54	0.67	1.0	1.2	2.4
9	1.21	0.52	0.54	0.67	2.4	3.0	6.0
10	0.37	0.52	0.54	0.67	0.7	0.9	1.8
11	0.37	0.52	0.54	0.67	0.7	0.9	1.8
12	0.89	0.52	0.54	0.67	1.8	2.2	4.4
13	1.22	0.52	0.54	0.67	2.4	3.0	6.0
14	1.30	0.52	0.54	0.67	2.6	3.2	6.4
15	1.97	0.52	0.54	0.67	3.9	4.9	9.7
16	0.56	0.52	0.54	0.67	1.1	1.4	2.8
17	0.42	0.52	0.54	0.67	0.8	1.0	2.1
18	0.28	0.52	0.54	0.67	0.6	0.7	1.4
19	1.02	0.52	0.54	0.67	2.0	2.5	5.0
20	1.07	0.52	0.54	0.67	2.1	2.6	5.3
21	0.59	0.52	0.54	0.67	1.2	1.5	2.9
22	1.12	0.52	0.54	0.67	2.2	2.8	5.5
23	0.85	0.52	0.54	0.67	1.7	2.1	4.2
24	0.35	0.52	0.54	0.67	0.7	0.9	1.7
25	1.08	0.52	0.54	0.67	2.2	2.7	5.3
26	0.63	0.52	0.54	0.67	1.3	1.8	3.1
27	0.70	0.52	0.54	0.67	1.4	1.7	3.5
28	1.49	0.52	0.54	0.67	3.0	3.7	7.4
29	0.65	0.52	0.54	0.67	1.3	1.8	3.2
30	0.31	0.52	0.54	0.67	0.6	0.8	1.5
31	0.46	0.52	0.54	0.67	0.9	1.1	2.3
32	0.58	0.52	0.54	0.67	1.2	1.5	2.9
TOTAL	51.06				114.7	140.2	272.4

