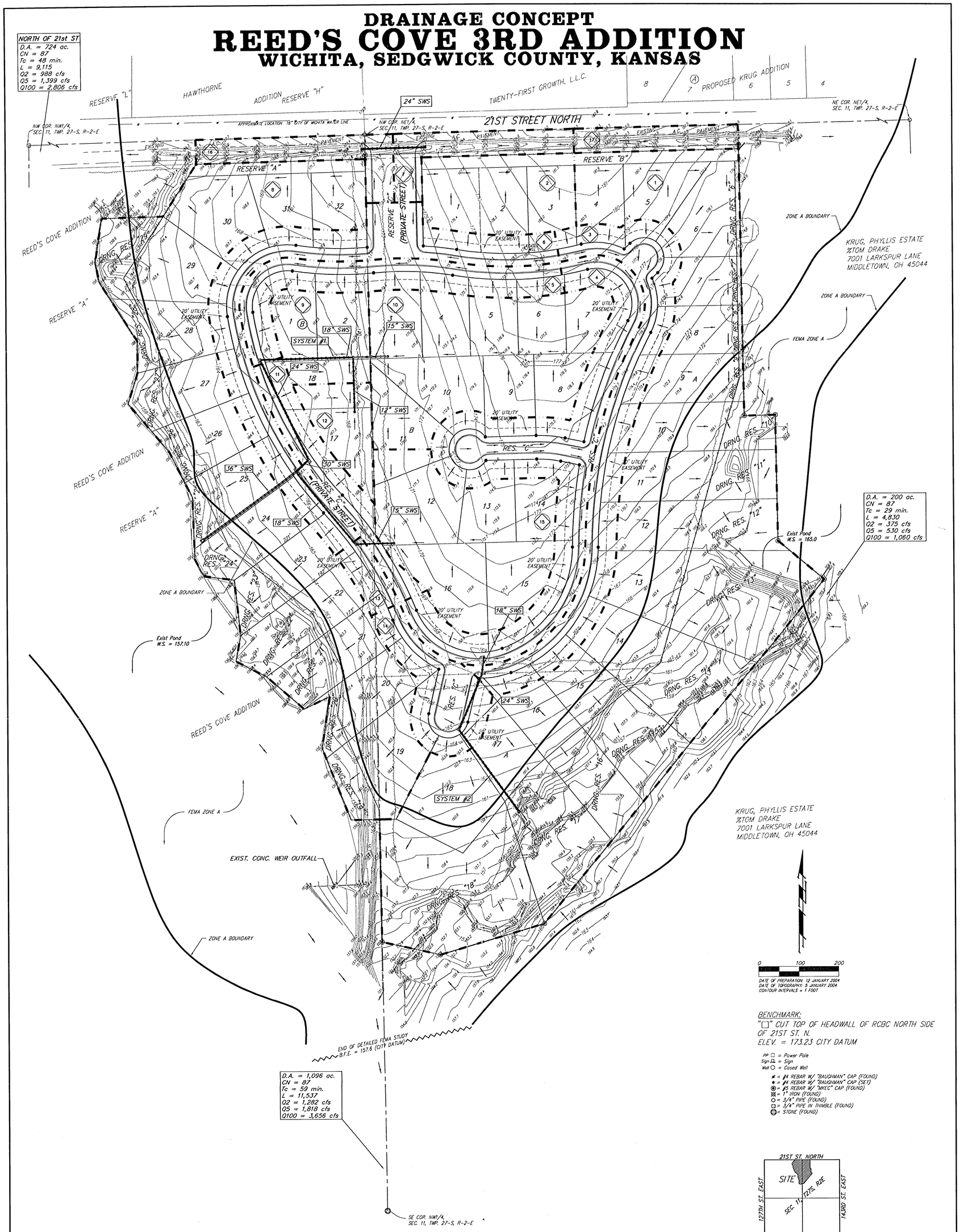
DRAINAGE CONCEPT
REED'S COVE 3RD ADDITION
WICHITA, SEDGWICK COUNTY, KANSAS



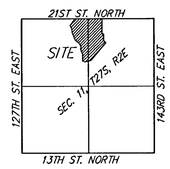
KRUG, PHYLLIS ESTATE
%TOM DRAKE
7001 LARKSPUR LANE
MIDDLETOWN, OH 45044

0 100 200

DATE OF PREPARATION: 12 JANUARY 2004
DATE OF TOPOGRAPHY: 3 JANUARY 2004
CONTOUR INTERVALS = 1 FOOT

BENCHMARK:
"□" CUT TOP OF HEADWALL OF RCBC NORTH SIDE OF 21ST ST. N.
ELEV. = 173.23 CITY DATUM

PP □ = Power Pole
Sign Ω = Sign
Well ○ = Cased Well
● = #4 REBAR W/ "BAUGHMAN" CAP (FOUND)
● = #4 REBAR W/ "BAUGHMAN" CAP (SET)
◉ = #5 REBAR W/ "JAYCO" CAP (FOUND)
⊠ = 1" IRON (FOUND)
○ = 3/4" PIPE (FOUND)
⊡ = 3/4" PIPE IN THIMBLE (FOUND)
⊕ = STONE (FOUND)



VICINITY MAP

Reed's Cove 3rd Addition -- Rational Method -- Q = cia -- tc = 15 min.

Soil Hydrologic Group: D (Rosehill)

Basin	Area	C_2	C_5	C_{100}	Q_2 (cfs)	Q_5 (cfs)	Q_{100} (cfs)
1	18.30	0.42	0.48	0.72	29.4	40.1	97.1
2	1.66	0.42	0.48	0.72	2.7	3.6	8.8
3	2.81	0.42	0.48	0.72	4.5	6.2	14.9
4	3.70	0.42	0.48	0.72	6.0	8.1	19.6
5	1.69	0.42	0.48	0.72	2.7	3.7	9.0
6	3.03	0.42	0.48	0.72	4.9	6.6	16.1
7	0.80	0.42	0.48	0.72	1.3	1.8	4.2
8	10.80	0.42	0.48	0.72	17.4	23.6	57.3
9	1.19	0.42	0.48	0.72	1.9	2.6	6.3
10	4.19	0.42	0.48	0.72	6.7	9.2	22.2
11	1.04	0.42	0.48	0.72	1.7	2.3	5.5
12	0.75	0.42	0.48	0.72	1.2	1.6	4.0
13	0.32	0.42	0.48	0.72	0.5	0.7	1.7
14	1.18	0.42	0.48	0.72	1.9	2.6	6.3
15	3.36	0.42	0.48	0.72	5.4	7.4	17.8
16	0.85	0.42	0.48	0.72	1.4	1.9	4.5
17	0.56	0.42	0.48	0.72	0.9	1.2	3.0
TOTAL	56.2				90	123	298

LEGEND:

BASIN DELINEATION
BASIN I.D.
PROP. FLOW DIRECTION
PROP. SWS

14 JANUARY 2004

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

T:\HYDRO\REEDSCOVE 3\DWG\REEDSCOVE SKETCH2.DWG-SCS