

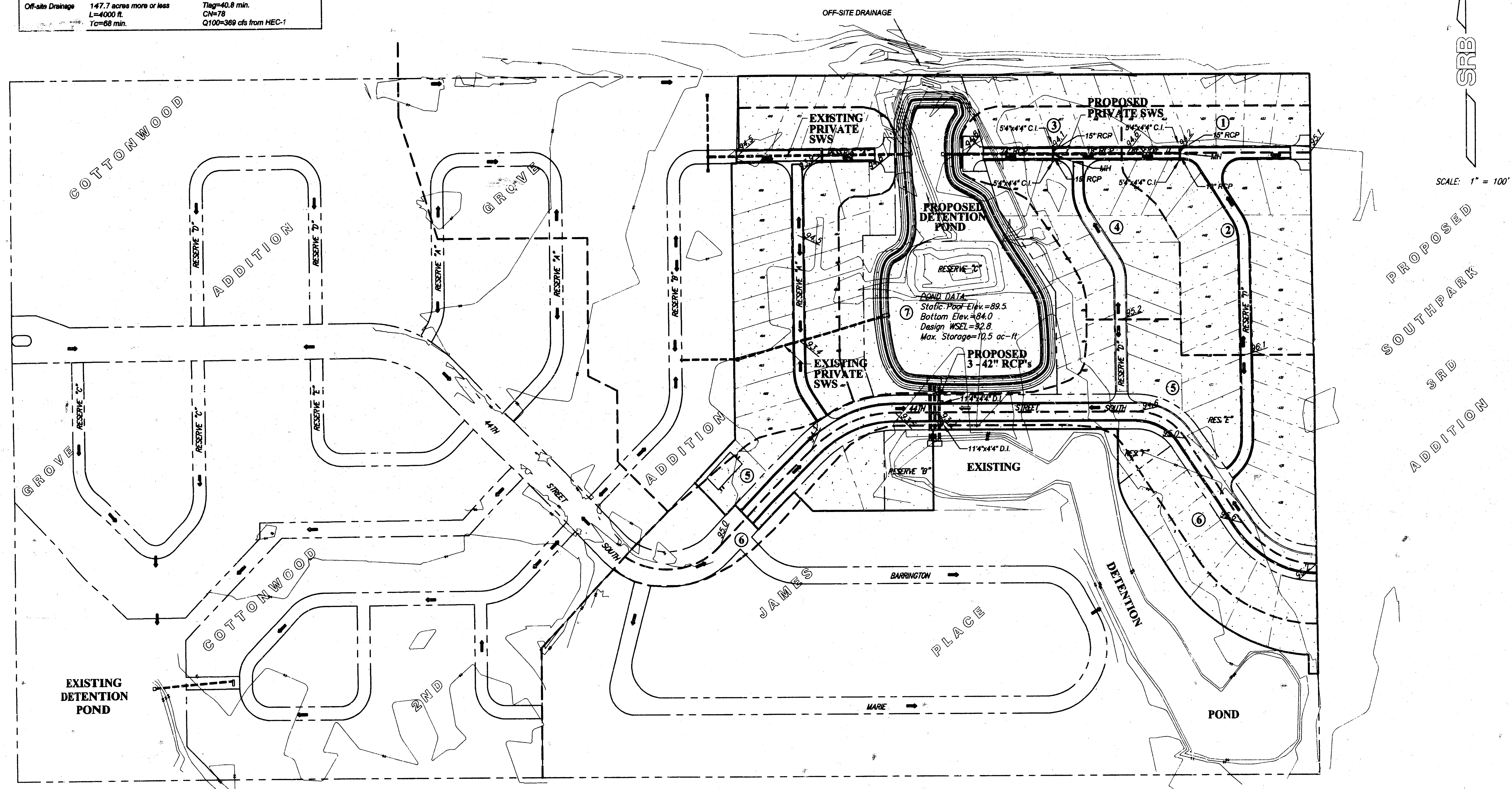
DRAINAGE DATA											
	Area	Cum. Area	Tc	Soil Type "D"	C2	C100	I2	I100	Q2	Q100	Pipe Size and Slope
1	0.8	0.8	15	0.57	0.79	3.83	7.37	1.7	4.7	15" at 0.38%	Single
2	2.8	2.8	15	0.57	0.79	3.83	7.37	6.1	16.3	18" at 0.34%	MH
3	0.8	3.6	15	0.57	0.79	3.83	7.37	7.9	21.0	24" at 0.20%	MH
4	1.6	5.2	15	0.57	0.79	3.83	7.37	9.5	24.9	15" at 0.38%	Single
5	4.3	9.5	15	0.57	0.79	3.83	7.37	13.1	34.9	24" at 0.34%	MH
6	2.6	12.1	15	0.57	0.79	3.83	7.37	15.1	40.4	3 - 42" at 0.28%	Double
7	7.0	19.1	15	0.80	0.93	3.83	7.37	21.4	48.0	3 - 42" at 0.28%	Double

Off-site Drainage: 147.7 acres more or less
 L=4000 ft.
 Tc=60 min.

Time=40.8 min.
 CN=78
 Q100=369 cfs from HEC-1

DRAINAGE PLAN COTTONWOOD GROVE 3RD ADDITION

May 1, 1998



837E\Drainage Plan Phase 3.dwg

SRB
 924 NORTH MAIN
 WICHITA KANSAS 67203
 315-264-8008
 FAX 315-264-4821
SAVOY, RUGGLES & BOHM, P.A.
 ENGINEERING & SURVEYING