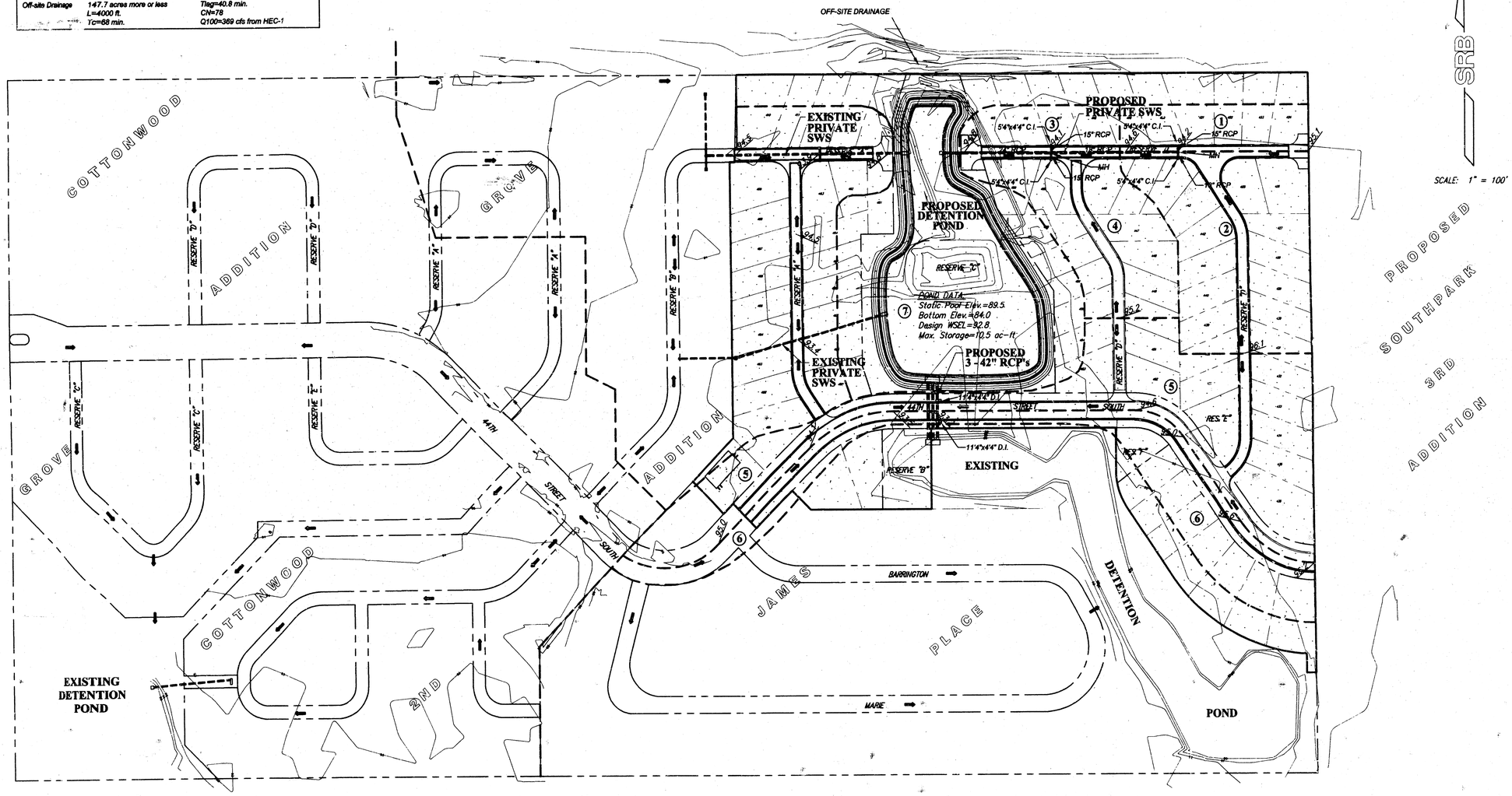
DRAINAGE PLAN
COTTONWOOD GROVE 3RD ADDTION

May 1, 1998

DRAINAGE DATA

	Area	Cum. Area	Tc	Soil Type "D" C2	C100	I2	I100	Q2	Q100	Pipe Size and Slope	Inlets
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%	Single
		3.6	15	0.57	0.79	3.83	7.37	7.9	21.0	24" at 0.20%	MH
3	0.8	0.8	15	0.57	0.79	3.83	7.37	1.7	4.7	15" at 0.38%	Single
4	1.6	1.6	15	0.57	0.79	3.83	7.37	3.5	9.3	15" at 0.38%	Single
		5.0	15	0.57	0.79	3.83	7.37	13.1	34.9	24" at 0.34%	MH
5	4.3	4.3	16	0.57	0.79	3.72	7.18	9.1	24.4	3 - 42" at 0.28%	Double
6	2.6	2.6	15	0.57	0.79	3.83	7.37	5.7	15.1	3 - 42" at 0.28%	Double
7	7.0	7.0	15	0.80	0.93	3.83	7.37	21.4	48.0	3 - 42" at 0.28%	

Off-site Drainage — 147.7 acres more or less; L=4000 ft.; Tc=68 min.; Tlag=40.8 min.; CN=78; Q100=369 cfs from HEC-1



837E\Drainage Plan Phase 3.dwg

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