

Table 7 Summary of Detention Ponds							
Pond No.	Static Elevation	Proposed			Future		
		HW <sub>2</sub>	Peak Q <sub>2</sub> In	Peak Q <sub>2</sub> Out	HW <sub>2</sub>	Peak Q <sub>2</sub> In	Peak Q <sub>2</sub> Out
E-P1	1342.0	1349.1	343.5	86.2	1347.7	291.3	63.6
E-C1	1343.8	1346.2	172.6	82.4	1345.6	134.1	63.3

Table 8 Summary of Detention Ponds							
Pond No.	Static Elevation	Proposed			Future		
		HW <sub>5</sub>	Peak Q <sub>5</sub> In	Peak Q <sub>5</sub> Out	HW <sub>5</sub>	Peak Q <sub>5</sub> In	Peak Q <sub>5</sub> Out
E-P1	1342.0	1349.8	480.8	111.2	1348.6	414.7	91.9
E-C1	1343.8	1346.5	225.3	102.9	1346.1	180.6	91.4



# CADILLAC LAKE DRAINAGE STUDY - DIFFERENT STORM EVENTS

2- 10 Yr. Storm Events within a week			98- Halloween Storm Event		
<b>Cadillac Lake</b>					
Elev.	1350.09		1349.19		
Qout	139.96		112.05		
Qin	160.37		127.14		
<b>Chadsworth</b>					
Elev.	1347.02		1346.53		
Qout	147.94		117.05		
Qin	148.8		118.05		
<b>WE-P</b>					
Elev.	1351.39		1350.43		
Qout	61.01		49.21		
Qin	70.07		54.51		

# CADILLAC LAKE AREA

Elev.	Pearson Property		Cadillac Lake		West of Maize RD.	
	Area, Ac-Ft		Area, Ac-Ft.		Area, Ac.-Ft.	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
1340.00	0.00	0.00	0.00	0.00	0.00	0.00
1341.00	0.00	0.00	0.00	0.00	0.00	0.00
1342.00	0.00	17.46	0.00	0.00	0.00	5.03
1343.00	0.00	17.83	0.00	0.00	0.00	8.62
1344.00	0.01	19.20	0.00	0.00	5.35	11.40
1346.00	0.35	19.50	0.43	0.43	6.36	13.20
1348.00	39.43	52.76	16.28	16.28	10.33	18.03
1350.00	70.54	53.05	55.96	55.96	38.06	24.07
1352.00	70.54	47.01	162.13	162.13	71.89	75.10
Total =	213.03 Ac.-Ft.	283.62 Ac.-Ft.			252 Ac.-Ft.	308 Ac.-Ft.
Total Storage Added = 70.59 Ac.-Ft. 56 Ac.-Ft. added						