



25Yr., 24Hr. FUTURE DEVELOPMENT ROUTING CURVE

Area (Ac)	P.I. (c.f.s./Ac.)	Discharge	Notes
8.33	4.07	33.90	"K" Land Development Directly Directly to Lake, Incl. Lake itself.
2.45	3.26	7.95	"K" Land Development via Storm Sewer Piping
4.84	4.75	22.99	"K" Shop Property
2.06	4.75	9.785	"Storage Shed" Property (Future Development)
9.61	3.26	31.33	Future Single Family
Total Area: 27.77 Future 25 yr. Total Inflow = 107.54 c.f.s.			
Developed area which cannot be routed through the Lake Facility:			
Area (Ac)	P.I. (c.f.s./Ac.)	Discharge	Notes
.55	2.31	1.27	Backside of Lake
2.22	3.26	7.24	Proposed future Single Family Area which would run off direct.
Total Area: 2.77 Ac. Total Discharge: 8.51 C.F.S.			
Existing Runoff: (27.77 + 2.77) (2.31) = 70.55 C.F.S.			
Required Storage = ((107.54 - 70.55 - 8.51) / (1800)) = 81.936 c.f.			
Storage Provided at Spillway Elevation of 575.5 = 431.732 c.f.			
431.732 > 81.936; 349.796 c.f. Excess Storage			
Max. Storage Provided During 25 yr., 24 hr. storm = 473.378 c.f.			
473.378 > 81.936; 391.442 c.f. Excess Storage			

* Flows as generated from S.C.S hydrograph analysis. See Separate hydraulic calculation submittal.