

**Project Title:** Storm Water System – Second Phase

**Facilities,** Herb Payung

**Report due:** September 2006

**Objectives:**

This project assumes the completion of the diversion spillway around the gym doors to the student parking lot

Recommend the next steps to either improve the storm water management or to remedy the consequences of the newly installed diversion at the gym.

**Questions:**

(1) What is the capacity of the gym diversion? What is the normal range of expected water flow to the gym curb? What is the frequency of exceeding that capacity?

(2) What is the normal range of expected water accumulation in the student parking lot? What is the cost of increasing the parking lot drain capacity to eliminate the accumulation of surface water? This is School alternative A.

(3) What is the water inflow to the campus from Reservoir Road? What is the cost of capturing that inflow and controlling its outflow to Silver Creek? Will we be able to get the necessary permits to divert the water from Reservoir Road to Silver Creek? This is School alternative B.

(4) What is the water accumulation on the campus? What is the cost of capturing that accumulation and controlling its outflow along Polk Valley Road in order to by-pass the gym curb and student parking lot? Will we be able to get the necessary permits to divert the water from Polk Valley Road? This is School alternative C.

**Recommendations:**

What are the costs and benefits of the alternatives?

What alternatives are recommended at this time or for long term facilities plan?