



STORMWATER MANAGEMENT

Natural habitat, a wet meadow, and bioswales reduce the amount of unfiltered storm water from Delta College campus parking lots. With Federal government placing more stringent mandates on the discharge and filtering of storm water, Delta College took the forward-thinking initiative to transform our exterior space with the environment in mind. We're capitalizing on land assets to establish a stronger identity, to create a sense of

“place and learning”, and to provide guidelines for maintenance and land stewardship. The project incorporates proactive measures for responsible storm water management by adopting new approaches to collecting, cleaning, and returning the runoff water to the natural environment.

HOW DOES IT WORK?

Mimicking a natural hydrologic process, rainwater is conveyed from parking lot bioswale islands into detention ponds. Eventually it flows into an adjacent wet meadow before discharge into the regional drainage system. Native seed and aquatic plantings aid in attracting water habitat like frogs, toads, and spring peepers creating a living laboratory for Delta College environmental and science students.



COMMITMENT TO SUSTAINABILITY

We strive to remain a valued community neighbor. Responsibility for our natural resources is good for us and the community. Our Campus Master Plan provides a blueprint for sustainable campus design solutions. The walls of our academic core have been extended to embrace the exploration of our diverse natural landscape and campus ecosystems.

- Bio-swales, detention ponds, & wet meadows remove silt and pollution from surface runoff water
- Encourages habitat for wildlife and aquatic organism
- An outdoor classroom for study under the shade of walnut trees
- Deep-rooted native groundcovers require little or no mowing and no irrigation after establishment
- Significant improvements to 2,000 lineal feet of county drain to mitigate flooding
- Reuse of more than 15,000 cubic yards of bituminous pavement and aggregate
- High efficiency, more cost-effective LED lighting reduces energy use by 45%
- Use of local materials manufactured and shipped from within a 250 mile radius of campus

www.delta.edu/sustainability

Delta College...Where our Color Will Always Be Green!