



## Stormwater Drainage Studies and Design

KASL engineers utilize various computer applications to:

- develop stormwater master plans
- model pre- and post- stormwater conditions for your project site using dynamic stormwater modeling tools
- determine 100-year flood plain elevations
- size and design stormwater detention or retention basins
- size and design stormwater conveyance systems
- design stormwater inlet and outlet structures including pump or gravity systems
- model sustainable on-site stormwater management design features



## Stormwater Management Low-Impact Design

KASL has extensive experience with low-impact design features for on-site storm water management including:

- bio-swales
- bio-filtration
- mechanical filtration
- pervious concrete and pavers
- subsurface infiltration trenches
- rainwater harvesting

