

Petaluma MIKE 11 Studies, California

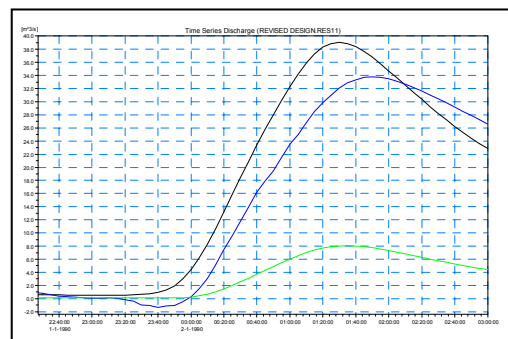
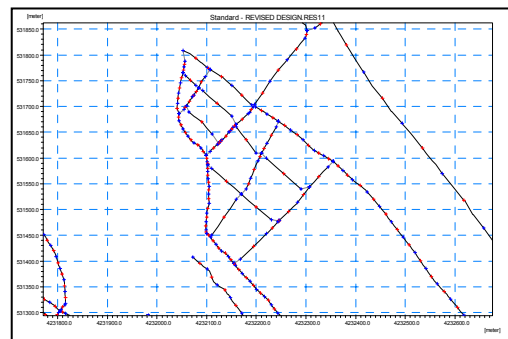


HEC-1 hydrology subbasin models, and a MIKE 11 hydraulic model, have been developed for the City of Petaluma, California. WEST Consultants has been asked by four different developers in the Petaluma area to review and use MIKE 11 to evaluate their proposed developments. The individual studies are:

1. Outlet Mall Expansion. The developer wished to triple the size of an existing outlet mall adjacent to the Petaluma River. We reviewed the HEC-1 and

MIKE 11 development and applications, and how MIKE 11 was used with different hydrologies to establish pad elevations for the building.

2. Redwood Technology Center. Working for Basin Street Properties, WEST evaluated various design alternatives, using MIKE 11, to develop a siting alternative that would meet the City's criteria of no net loss of storage, no backwater increases, and no increase in peak runoff.
3. Parcel "C". Adjacent to the Redwood Tech. Center site, we are evaluating a design alternative to modify and expand an existing cinema into a large retail space.
4. Adobe Lumber Project. WEST is currently working with a developer to develop the Adobe Lumber site adjacent to Willowbrook Creek. We are evaluating the site using MIKE 11, simulating project alternatives, and comparing the elevations with the FEMA 100-year floodplain to determine compliance with City permits.



Project Owner:

Various Developers

Petaluma, CA

Contact: Vin Smith (Basin Street Properties)

(707) 795-4477

Completion Date:

In Progress