



Town of Woodside, Development Services Division
2955 Woodside Rd.
Woodside, Ca. 94062
(650) 851-6796
www.woodsideca.gov

DRAINAGE REQUIREMENTS

The Town of Woodside requires that all developments mitigate any alterations to the natural drainage pattern. When proposed developments increase impervious surface area or concentrate flows, changes in drainage pattern may affect neighboring properties or public rights of way. The ability for storm water to infiltrate into the soil may also be altered, disturbing the natural biologic processes of removing impurities. This disturbance to the natural hydrological process and run-off characteristics is known as hydro-modification. As a result, an increased volume and contamination of storm water runoff will flow into the Town's creeks.

The Town of Woodside does not have a storm drain system, as many other jurisdictions do, and relies on the natural creeks and earthen channels to facilitate drainage to the bay. The Town consists of publicly and privately maintained culverts, ditches, and swales that flow to the creek. The increase flows of storm water may result in creek channel erosion, bank deterioration, habitat loss and create the potential for flooding and property damage. Per Woodside Municipal Code 151.43, adequate provisions shall be made to dispose of surface waters and to prevent such surface waters from damaging the face of an excavation or any portion of a fill. Hydro-modification management techniques must be implemented for proposed development that may alter such drainage patterns.

The Town of Woodside requires drainage calculations to be submitted for any project that increases impervious surface area or collects and concentrates drainage into a proposed location. Drainage calculations shall be prepared and stamped by a Registered Civil Engineer and shall include the following:

- All design assumptions.
- Reference to rainfall intensities used in calculations shall be attained from http://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_cont.html?bkmrk=ca
 - o Enter location using latitude and longitude
 - o Use average value (provided in bold) for 25 year 60-min duration.
 - o Print page and provide this sheet with drainage calculations.
- Calculations of weighted run-off coefficients.
- Breakdown of existing/proposed impervious surfaces and areas of collection/concentrated flows using table and site plan diagram.
- Proposed volume of detention basin (shall be sized to retain/detain 60mins) and brief description of method of installation (reference plan)
- Calculations shall demonstrate that post development flows do not exceed pre-development flows for the both the entire site AND localized points of discharge.
- Soil infiltration rates as applicable.

If you have any questions regarding requirements, please feel free to contact Development Services Engineer at the Town of Woodside (650) 851-6796.