

HYDROLOGY REPORT

Job Address: _____

Assessor's Parcel Number: _____

Description of Work:

Applicant (Property Owner): _____

Address: _____ **Phone No.:** _____

The following are elements that must be addressed in a Hydrology Report that is to be prepared by a licensed civil engineer with creek hydrology expertise and submitted for City review prior to the issuance of a Creek Protection Permit for work that is determined by the City to fall into Category IV as described in the Ordinance.

Department of Fish and Game approvals:

Alameda County Flood Control approvals:

5 yr., 10 yr., 25 yr., and 100 yr. flows (provide flows only for storm recurrence intervals determined by the City; attach supporting hydrology map and calculations):

	Pre-Development/Work	Post Development/Work
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5 yr. flow		
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10 yr. flow		
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25 yr. flow		
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100 yr. flow		
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HYDROLOGY REPORT (Continued)

5 yr., 10 yr., 25 yr., and 100 yr. water surface elevation (WSE) (provide WSE only for flows calculated above; attach supporting hydraulic calculations):

	Pre-Development/Work	Post Development/Work
5 yr. WSE		
10 yr. WSE		
25 yr. WSE		
100 yr. WSE		

Profile of stream bed, WSE, and top of bank/ground elevation across the property and upstream and downstream 100 feet in each direction (attach profile)

Impact of future development in the area (unrelated to the proposed project) on flows:

Creek bank stability (before and after the project):

Impact of proposed work to direction of flow:

Upstream and downstream conditions (before and after project construction):

Location of major drainage facilities (e.g. trash racks, culverts, discharge points, etc.; attach location map):

HYDROLOGY REPORT (Continued)

Cross sections (attach):

Proposed improvements/mitigations to the creek:

Impacts on exist vegetation or wildlife within affected riparian corridor:

Special circumstances/additional information (attach additional pages as needed):

Prepared by: _____

Date: _____

(NOTE: Signature and stamp are required.)