



LETTER OF DRAINAGE ASSESSMENT

City Of Orange
Department of Public Works
July 2019

A Letter of Drainage Assessment may be substituted in lieu of a Drainage Report for any proposed development site that meets the listed qualifying criteria:

1. Proposed development is one half (1/2) acre or less in area (Larger sites may be approved on a case-by-case basis).
2. Doesn't directly drain to the City's inlets or storm drain pipes.
3. No off-site surface drainage passes through the site.
4. Doesn't alter the existing drainage pattern.
5. The site is adjacent to an improved drainage channel maintained by a municipal agency or a paved street having concrete curb and gutter.
6. The adjacent surface drainage system will hydraulically accommodate post-development runoff within the Orange County Local Drainage Manual criteria.
7. There are no site-specific drainage limitations such as maximum stormwater release rate.

The letter shall be 8-½"x11" sheets on the submitting engineer's letterhead and shall include the following information in narrative form:

1. Total area of the site and square footage of pre/post development pervious and impervious areas.
2. A brief description of the location including tract and lot number along with adjacent streets.
3. A brief description of the proposed development.
4. Design storm frequency and flow rate (cfs) of the adjacent facility (hydraulic capacity).
5. Pad elevation design (needs to comply with Orange County Local Drainage Manual requirements).
6. Pre/post development flows (cfs) as calculated per Orange County Hydrology Manual for the storm frequency as noted in item 4, and the post construction total flow in the adjacent facility.
7. Disposition of the discharge point to adjacent facility (if applicable).
8. An evaluation of the overflow path during a 100-year storm event confirming that the building pad is protected in such events, even if the onsite inlets are completely plugged.
9. A brief discussion of the structural post-construction BMPs implemented on the site.

The letter shall be signed, dated and stamped by a California Registered Civil Engineer. After City review and approval, the "Letter of Drainage Assessment" will be accepted in lieu of the drainage report.