



City of Malibu

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Onsite Wastewater Treatment System Traffic Rated Slabs Policy

If the Onsite Wastewater Treatment System (OWTS) is located in an area where there is vehicular traffic, a traffic rated slab and a traffic rated tank are required.

Per the Malibu Local Agency Management Plan (LAMP) and California Plumbing Code H501.11:

- Each such tank shall be structurally designed to withstand all anticipated earth or other loads. Septic tank covers (or traffic rated slabs) shall be capable of supporting an earth load of not less than 500 pounds per square foot (lb/ft²) (2441 kg/m²) where the maximum coverage does not exceed 3 feet (914 mm).
- Traffic rated septic tanks must be structurally designed to withstand all anticipated earth or other loads. Septic tanks located in traffic areas, including driveways, shall be designed to a minimum H20 traffic ratings as established by the American Association of State Highway Transportation Officials.

Exceptions include:

1. Septic tanks may be sited beneath a driveway when the tank and/or a structural traffic rated slab have been engineered to support the weight of a least an H-20 axle load.
 - a. The design of the traffic rated slab/tank system shall be performed by a State of California Licensed Civil or Structural Engineer
 - b. The traffic rated slab design shall be in conformance with any listing, certification, or recommendation of the septic tank manufacturer
2. Placement of leaching trenches or drainfields under a driveway may be acceptable when the installation area is completely within well-draining native beach sand and the driveway material allows diffusion of sufficient quantities of oxygen into the dispersal zone (e.g., paver tiles set into sand).



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