Atterbury & Associates
Civil Engineering • Land Planning

STORMWATER MANAGEMENT PLAN
2525 Middle 2 Rock Road, Petaluma, CA 94952
APN: 021-160-041

Stormwater from the proposed onsite development is tributary to the headwaters of Wiggins Creek, which runs approximately 2,000 feet through the east side of the project parcel. Wiggins Creek is tributary to the Petaluma River. The proposed development is not within a flood plain.

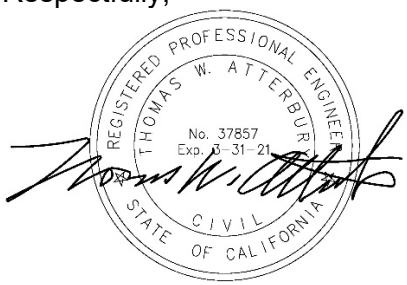
The proposed subdivision is outside both the Sonoma County Standard Urban Stormwater Mitigation Plan Boundary, and the Sonoma County NPDES Boundary. The project is governed by the Sonoma County Grading and Drainage Ordinance and therefore is required to size onsite drainage improvements in order to pass the 10 year design storm, maintain offsite natural drainage patterns, and limit post-development storm water levels and pollutant discharges in compliance with Sonoma County development standards and best management practices.

Stormwater from future residential development roofs and impervious surfaces will be captured in rock infiltration trenches sized to retain the increase in runoff from these areas for the 1 inch, 24 hour storm event. This stormwater will be treated by a treatment train of rock diffusers and vegetated buffer strips prior to entering an infiltration trench. The infiltration trenches will be designed to overflow to the existing hillsides during storms in excess of the design storm.

Stormwater from the proposed subdivision road surface will be cross sloped in order to provide directly disconnected stormwater drainage, in an effort to maximize infiltration and treatment within natural vegetation, prior to the stormwater entering the existing onsite drainage ways . The increase in runoff due to the 1 inch 24 hour storm event generated by proposed impervious road surfaces will be infiltrated in bioretention swales, proposed to be located within the existing onsite drainage ways.

Please call me if you have any questions.

Respectfully,



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