



STORMWATER FACILITY

OAKMONT SUBDIVISION, CORVALLIS, OR



Pillar Consulting Group provided engineering consulting and design services to the subdivision engineer-of-record for stormwater conveyance, detention and water quality compliance on the Oakmont Subdivision in Corvallis, Oregon. The steep hillside and shallow rock encountered in this development made the location and design of the stormwater detention and water quality treatment facility particularly challenging. Pillar Consulting Group designed an underground flow splitter structure to route frequent, lower volume flows through a vegetated surface bioswale for treatment, while allowing larger, more infrequent storms to bypass the swale and flow directly into a vegetated detention pond. The careful design of the tiered retaining walls, swale and pond resulted in a stormwater facility that the developer felt comfortable highlighting as a prominent landscaping element at the entry of this high-end, residential development.

CIVIL | STRUCTURAL

for more information contact Joe McCormick at 541-752-9202



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