



WILDING ENGINEERING

BRIDGES ON VINE SWPPP

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Project Location:

Murray, Utah

Project Description:

Beginning in early 2007, construction began for The Bridges on the Vine Private Urban Development (PUD). The project was located at 1050 East Vine Street in Murray, Utah. Proposed site plans for the 3.34-acre development consisted of 11 residential units and drive areas to be constructed as single-family residential buildings according to the plat prepared by Wilding Engineering. Wilding Engineering also designed the Erosion Control Plans (ECPs), prepared the corresponding Storm Water Pollution Prevention Plan (SWPPP) and applied for permit coverage under the Utah Pollutant Discharge Elimination System (UPDES) Stormwater General Permit for Construction Activities.

The site was environmentally sensitive due to its close proximity to Little Cottonwood Creek. The creek bounded the site on the east before changing course and meandering through the northern portion of the site. Wilding Engineering prepared a Stream Alteration Permit for bridge construction work to be completed within the creek as required by Section 404 of the Clean Water Act (CWA) administered by the Army Corp of Engineers with Environmental Protection Agency (EPA) oversight. Best Management Practices (BMPs) designed and designated in the ECP were monitored by Wilding Engineering through the duration of construction in an effort to mitigate against sediment transfer to the creek, Vine Street and other adjoining properties. Monitoring was conducted bi-monthly and after storm events that produced a half inch of rain or more.