

HUD Environmental Assessment Case Study

Mitigation Measure

Natural Features - Unique Natural Features -Water Resources

Mitigation Measure: Implementation of Stormwater Pollution and Prevention Plan (SWPPP)

As noted in the case study under Natural Features - Unique Natural Features -Water Resources, construction activities will be conducted so as to be cognizant of run-off and disposal of waste products. If the run-off and/or the disposal of waste products were detrimental to nearby water resources, the following mitigation measure could be employed: Implementation of the required Stormwater Pollution and Prevention Plan (SWPPP) during development minimizes the potential for contaminants (sediments, oil/fuel, etc.) to run off-site into surface water resources, or percolate into groundwater resources when it rains.

To expand upon this measure, a number of additional activities also may be used; these may be part of the SWPPP or individually implemented. For instance, topsoil may be salvaged during any grading activities, if needed, to level (or reduce/increase to appropriate slope) the vacant lot. The topsoil then may be re-used in other portions of the lot. Vehicular traffic and parking also should be limited to designated areas to help reduce compacting any existing soils (or those laid down for the multi-family unit).

Concrete or other debris from the lot should be properly disposed off-site if not re-used for the construction of the multi-family unit. In this manner, construction activities should not allow for the stockpiling of brush, loose soils, excavation spoils, or other similar debris material within sensitive (or potentially sensitive) areas of the lot. If needed, construction materials such as concrete, dry wall, dirt, and paint instead may be stored under a waterproof cover and away from existing storm drains. Designated disposal and storage procedures, thereby, should be established at the start of construction.

Upon the completion of construction activities, stabilization of disturbed soils or recently added topsoil may be accomplished by seeding for grasses and/or other plantings. Grasses and plantings (i.e., vegetation) typically enhances the ability of soils to absorb rainfall.