

WETLANDS

Construction of the proposed Project will result in the permanent disturbance of ~~0.224~~ 0.120 acres of USACOE jurisdictional Wetland "A". Approximately ~~0.0109 acres of the wetland disturbance will result from construction of the proposed private entrance drive,~~ ~~0.058~~ 0.063 acres will result from construction of the proposed emergency access drive, and an additional 0.057 acres will result from construction of the parking lot for Building 2. An additional ~~0.016~~ 0.032 acres of wetland disturbance will be temporary disturbance to install the proposed sewer service connection.

Adding ~~this~~ the permanent and temporary disturbance amount to the previously disturbed wetland area, totaling 0.086 acres, brings to cumulative wetland disturbance to ~~0.1490~~ 0.238 acres. Therefore, an individual wetlands permit will be required.

EROSION & SEDIMENTATION

Due to disturbance of on-site soils during construction, it is anticipated that erosion and sedimentation are potential impacts to surface water resources. Potential impacts produced by erosion and sedimentation are discussed in detail in Section 4.1.2.

STORMWATER

The increased area of impervious surface proposed as part of the Project has the potential to degrade water quality both on-site and downstream from the Site. The Project will create approximately ~~14.0~~ 14.20 acres of impervious surface area, primarily consisting of buildings, driveways, and parking lots. To analyze the post-development stormwater condition, watershed area "A" was divided into five subareas, as depicted in the SWPPP.

The SWPPP also describes the four stormwater facilities incorporated into the Site's design - four infiltration basins that will be constructed on-site. The facilities are designed to detain stormwater from developed areas to treat sediment and pollutants from proposed buildings, driveways and parking areas by allowing sufficient time for pollutant settlement