Site Entrance Pond Refurbishment Design

Location of Wetland Impact fill of 4-feet
total wetland impact 950-sqft or 0.022 acres
Current Topography

Expansion of existing pond (cleanouts) to 6-foot permanent water level
internal pond slopes designed and to be compacted to 2 to 1 slope
installation of V-shaped Rip-Rap swale parallel to gated access road

Undisturbed Stream Buffer
Silt Fence
Swale
Diversion Berm
Roadey Planter
Gravel Paved
Asphalt Paved
Gravel Paved
200' Unexcavated Buffer
Existing Water Depth <4'
Existing Pond Embankment
Swale
Silt Fence
Permit Boundary

Creek Crossing Cross-Section and Details

Pre-cast Concrete Blocks
two courses high backfield behind with earthen fill

Existing Topography

Existing 36-inch CMP
to be replaced with two (2) 48 inch CMP 40-foot in length
Capacity of both pipes - bank full flow

Fill for Roadway
Current Wetland Feature Lateral Extent
Current Topography

NOT TO SCALE

Wetland Extent
Total wetland impact 1,977-sqft or 0.05 acres

FILTER FABRIC

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HF-1
HF-2
HF-3
HF-4
HF-5

Maximum Extent of Fill

Existing Pond Refurbishment Design

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