



July 19, 2021

Mr. James Hallisey, Zoning Agent
Andover Planning & Zoning Commission
17 School Road
Andover, CT 06232

RE: 517 Route 6 Sand/Gravel Pit

Dear Mr. Hallisey,

After review of the Planning & Zoning Commission meeting minutes dated 6/21/21, I noted that a 6-month extension was approved with a condition that the need for the detention basin be resolved prior to the meeting this evening.

The detention basin in question has been installed in general conformance with the plans at the southern corner of the active gravel pit site and stormwater runoff has been diverted to the basin with an incised swale. The basin is labeled as "Ex. Sediment Basin" on the latest plans prepared by Christopher G. Bell, P.E., revised through 6/21/21.

The purpose of the basin is to collect runoff from the active construction site to trap sediment and attenuate the increase in peak flows resulting from the exposed soils. Upon completion of the gravel mining operation, topsoil will be replaced over disturbed areas and vegetation established. There will be no need to collect sediments or attenuate peak flow rates once the site is revegetated.

It is my opinion that the sediment basin can be removed upon completion of the excavation activities and restoration of the disturbed site. Collected sediment should be removed and disposed of in an approved manner, the excavation filled in with on site granular material, topsoil placed and graded to provide positive slope matching the surrounding areas, seeded, and mulched. Silt fence and other erosion control should remain in place until vegetation is established.

Should you have any questions, please don't hesitate to contact me at (860) 367-7264.

Sincerely,

Brandon Handfield, PE
Civil Engineer