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MEMORANDUM

RECEIVED

OCT 22 2013

WAYLAND CONSERVATION COMMISSION

TO: John Monyihan
FROM: Aaron Gallagher, PE, CFM, LEED AP BD+C
DATE: 10/15/2013
RE: Outfall #3 Video Inpsection Results

This memo is meant to summarize the results of the video inspection of the drainage lines contributing to outfall #3 on the Wayland High School site. A work plan was outlined in a memorandum sent to John Moynihan by Nitsch on June 19, 2013 which included a video inspection be completed to determine if the pipes contributing to outfall #3 had been compromised in any way that would have led to the excess sediment that was observed in the drainage basin. Derenzo completed all the work outlined in the work plan and the video inspection was done on 9/27/2013. The videos were forwarded to Nitsch for review as requested.

After reviewing the video inspections of the pipes there was no indication that the pipes that were inspected had been compromised. The lines inspected were in good condition with no observable deterioration, cracking or failures that would have led to excess amounts of sediment entering the pipes. It would appear that the sediment observed in the drainage basin came from another source.

It is possible that this was a one-time issue that occurred due to the bad timing of some heavy rains and a project site that was not fully stabilized at the time of the rains. During construction of the High School project there were heavy rains that were quite frequent during the project's final phase. Multiple rain events containing above normal precipitation totals and rainfall intensities were observed. These rain storms coupled with less than 100% stabilization of the project site area and considerable work being done in the area near the Waycam space when the rains happened all could have contributed to the excess sediment observed in the drainage basin. Now that the areas on site have been fully stabilized and the major site disturbances have been completed it is very likely that this issue may not happen again.

There are no other issues that Nitsch has observed on-site or via the video inspection that would lead us to believe that the sediment outwash to outfall #3 will be an on-going issue for the school and the Town now that construction has been completed and the majority of the project site has been stabilized. .