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Memorandum

To: *Mark Casey, City Manager*
Jay Hartman, Director of Public Works

From: *Tony Miller, EIT*

Date: *February 8, 2018*

Re: *Weekly Update for the Mirror Lake Stormwater Quality Improvements*
WSB Project No. 1626-79

The contractor has been delayed in removing the outlet control structure due to the subzero temperatures. The prolonged stretch of subzero temperatures created a frost layer in the soils surrounding the structure that an excavator cannot break through without the risk of damaging the surrounding utilities installed last year. This week, the contractor began using propane heaters to thaw out the soils surrounding the structure. At the end of the week, the contractor used a hydraulic pick to break through the frost layer near the surface.

The contractor plans to remove and replace the outlet control structure next week with warmer temperatures in the forecast. This will also allow for the structure to be removed and replaced in one business week avoiding the need for an active construction site over the weekend. Once the outlet control structure is replaced, the contractor will use the stockpiled soils to construct/rough-grade the berm. Any additional soils will be hauled off site.

At this point the contractor will be finished with the winter work. When the soils dry out in the spring, the contractor will complete final grading and restoration of the disturbed soils. The contractor will also perform maintenance, as needed, on the vegetation and trees planted last spring/summer.

If you have any questions related to the project please contact me at 612-554-6974.