

Memo

To: Mark Langer, P.E., Director of Public Works

City of Milton

From: Jonathan Steinbach, P.E.

Date: June 1, 2022

Project No.: 212368.04

Subject: 1135 S. Janesville Road – Pastorius Storage

Mark,

We reviewed the Construction Plans entitled, “Pastorius Mini-Warehouses”, and the Storm Water Management Memo, both dated May 10, 2016, submitted by MSA Professional Services and have the following comments related to storm water management and drainage design:

Construction Plans

1. Additional spot grades should be shown to demonstrate that runoff from this portion of the development will not flow onto the previously constructed portion and bypass the proposed bioretention basin. Grading/drainage improvements to accomplish should be shown, if needed.
2. Recommend showing a swale or piped drainage system along the west edge of the property to provide conveyance of runoff from this property and north and east upslope adjacent properties. Sizing calculations for swale or piped drainage system should be provided in the Storm Water Management Memo.
3. Additional spot grades should be shown to confirm runoff that flows along the west edge of the property will not be adversely impacted by the proposed west berm of the bioretention basin.

Storm Water Management Memo

4. Recommend providing an exhibit with sub-basin delineations showing all the land tributary to the bioretention basin and any areas of the development that will not be tributary to bioretention basin. Calculations should incorporate the flows from all upslope adjacent lands in accordance with current WDNR guidance.

5. Recommend providing calculations showing the hydraulic performance of the bioretention basin under design storms ranging from the 1-year, 24-hour to the 100-year, 24-hour events.
6. Soils information to verify appropriate infiltration rates were used in the WinSLAMM modeling should be provided.

Our review did not include field verification of existing conditions, elevations, grades and/or topography as shown on the plans. The developer and their consultants have the ultimate responsibility for the correct representation of existing field conditions, as well as providing a design that complies with City Ordinances and Standards, and obtain all necessary approvals.

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