Memorandum

To: Diane Hollenbach – Maidencreek Township

From: Kevin Ember, RLA

CC: Tom Unger – SDE, Inc.
Nick Stoltzfus – Descco Design and Construction

Date: February 9, 2016

Re: Schwab Land Development Co. Plan

GVC had one general comment from the plan submission dated 1/20/16:

1. "Most of the proposed driveway is intended to drain into Swale 1. According to the proposed contours shown on the Plans, a significant portion of the driveway will actually miss Swale 1 and will discharge directly to Anna Avenue. This situation should be clarified so that no localized drainage issue is created at the intersection of the proposed driveway and Anna Avenue."

The grading in the area of the driveway has been modified to direct as much as possible to the overland swale on the site. The attached drainage area maps reflect this change and show that there is 0.02 acres (900 sf) of impervious cover directed to Anna Avenue that was not previously accounted for.

There is no concern for the capacity of the storm pipe since the overall watershed area remains the same. In analyzing the additional flow to CB-7 in Anna Avenue the impact was de minimis. The depth of runoff flow at CB-7 only increased by 1/8" during the 100 year storm event as shown on the attached calculations, and the total depth is 1.5".

These plan updates will be reflected in the final plans for recording.

Please let me know if any additional information is required to resolve this comment.