

**Date:** July 20, 2023

**Re:** Responses to City Comments – Street and Storm Sewer  
Orchard Woods  
PEI #211142

We have received your comments and have addressed each with the enclosed plans and comment responses in *red italics* below. Please let us know if you have any questions during your review.

Thank you,  
Doug

**Engineering Review - Corrections**

1. Submit an updated Engineer's Estimate of Probable Construction Costs.

*Response: Included with TRM added.*

2. The comment response letter indicates that swale depths have been revised, but this submittal matches the previous submittal. Please review.

*Response: Swale depths were revised with the previous submittal. Swale section B-B on sheet 20 was revised to match sheet 4.*

3. Include TRM in Swales A&C. This is not dependent on shear stress calculations.

*Response: TRM has been added to both swales.*

4. Add 100-year WSE at each inlet that water is above the opening and at each property corner.

*Response: 100-year HGL's have been added to the profiles. The 100-year HGL's do not show water above any inlet openings.*

5. The MBOE shall be 2' above the 100-yr WSE. On lots that slope from back to front, there is typically a berm that meets the MBOE elevation requirement, so the house doesn't have to be unreasonably high. Another solution, where possible, is to contain the 100-yr flow within the pipe system.

*Response: 100-year HGL shows flows contained within the pipe system, therefore the MBOE 2' above the 100-year WSE does not apply.*

6. Include 100-year drainage and inlet calculations.

*Response: 100-year drainage calculations are provided on Sheet 19.*

7. Add dimensions to the Outlet Structure detail to clarify which side is which width.

*Response: Dimensions have been added.*