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March 30, 2021

Town of Georgetown
Planning Board
1 Library Street
Georgetown, MA 01833

Attn: John Cashell
Town Planner

*Re: Pingree Road – Review Report No. 3
H.L. Graham Project No. 95-00136-81*

Dear Board:

We are in receipt of and have reviewed additional information received from Hayes Engineering, Inc. in reference to the Pingree Road matter. Specifically we received a letter from Hayes dated March 2, 2021 and a 6-sheet set of plans of the same date. The plan set is entitled Roadway Improvement Plan, Pingree Road, Georgetown, Mass.

The Hayes letter and plans respond to outstanding comments of our December 1, 2020 report and the dialogue between Hayes, John Cashell, the Board and myself which has taken place over the last several months. The following numbered comments correspond to the comment numbers of our December 1, 2020 letter report. Additional comments are numbered with an "x" preceding them.

1. The additional plans submitted provide greater detail than the earlier plans. The plan scale for the most part is adequate. No further comment.
2. The Sight (sic) Distance Improvement Detail at a 20 scale on Sheet 6 of 6 is helpful to more clearly see the obstacles to the sight line looking west along East Main Street from Pingree Road. We believe however the previously provided sight distance figures have been inadvertently omitted from this detail?



3. Previous comment adequately addressed.
4. Previous comment adequately addressed.
5. No further comment.
6. No further comment.
7. Previous comment adequately addressed.
8. No further comment.
9. Previous comment adequately addressed.
10. We recommend the two Typical Cross Section details provided on Sheet 4 of 6 be revised to indicate that the infiltration trench extent be "Sta. 0 + 50 to 9 + 50."

The drainage swale shown in the cross section Sta. 9 + 75 to End should be a paved swale. This swale is proposed to carry as much as 625' ± of roadway drainage on slopes up to 6%. A grass swale will not sustain that runoff and will erode.

11. Soils testing has been conducted and the results of same provided. We accept the results of that testing.
12. Massachusetts Stormwater Management Standards (MSWMS) exempts housing developments of four or fewer lots. The Georgetown Zoning Bylaw however implies that all developments must comply with the MSWMS and does not speak to the exemption.

The Planning Board must rule on whether the exemption applies or not.

Hayes has provided a drainage analysis based on runoff curve numbers and road tributary area for a 10-year storm event. Although an unusual analysis format we accept their conclusion. The analysis was not presented for a 100-year event. It would likely show flooding conditions in Pingree Road, which would also be common to the flat terrain all along East Main Street.



What we do call to the Board's attention is the lack of any proposed engineered BMP's once the stormwater leaves Pingree Road and runs off onto Proposed Lots 1 and 3. In addition a couple hundred feet of the previously mentioned swale will runoff to the east and onto abutting land of Masterson.

If the project is exempt from State and Local Stormwater Management Standards then the Applicant and his engineer are not required to provide proposed BMP's to mitigate the peaks and volumes from the proposed roadway runoff.

- 13. Previous comment adequately addressed.
- 14. Previous comment adequately addressed.
- X15. The bar scale on Sheet 3 of 6 should be corrected.
- X16. The curb (edge of pavement) radii of Pingree Road at East Main Street should be labeled.

In conclusion, we believe there is still room to be more specific in the plans with respect to the proposed sight distances looking westerly from Pingree Road along East Main Street. The Board is focused on this issue being one of utmost importance.

We also feel like the plans (exemption or not) could and should address stormwater management on Proposed Lots 1 and 3 toward which roadway runoff is diverted.

If the Board has any questions about this follow-up report, please let us know.

Very truly yours,

H.L. GRAHAM ASSOCIATES, INC.

H.L. Graham, P.E.

President

Technical Review Agent

Georgetown Planning Board

HLG/gb