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January 13, 2021

Bowman Consulting  
54 Horseshoe Road, Suite 100  
Cedar Knolls, NJ 07927

Attn: Eric L. Keller, PE, PP, LEED AP, Village of South Orange Planning Board  
Consulting Engineer and Greer Patras, PP, AICP, Village of South Orange Planning  
Board Planner

Re: Lots 37 & 38, Block 1303, 167 North Ridgewood Road Minor Subdivision

Dear Mr. Keller & Ms. Patras:

In response to your review letter of December 30, 2020 and our subsequent appearance before the South Orange Planning Board, enclosed please find one set of plans for the above-referenced project with a revision date of January 13, 2021. Our responses to the technical items mentioned in Mr. Keller's letter are as follows:

1. General Note #6 has been added to Sheet 1 of the plans.
2. The Village of South Orange Tax Assessor, Ellen Foye Malgieri, has confirmed the tax lot numbers by email. (Please see attached email).
3. As agreed to at the board meeting, the applicant has no objection to this condition.
4. The plans have been updated as requested.
5. Although I believe that the existing, hard-packed gravel driveway is essentially impervious, the plans have been revised as requested.
6. Please note the following:
  - a. We have not been able to determine the size & material of the existing storm sewer due to the fact that the line is substantially clogged with debris.
  - b. Additional drywell details have been added to Sheet 4.
  - c. A driveway profile has been provided. The site conditions do not allow us to significantly reduce the driveway slope.
  - d. A driveway profile has been provided. The site conditions do not allow us to reduce the driveway slope.
  - e. The driveway profiles address this comment.
  - f. The plans have been revised to catch as much of the driveway runoff as possible and to discharge it into the drywells.
  - g. Testimony regarding the pipe line through the wall was provided at the Planning Board meeting and a note has been added to Sheet 2.

- h. The direct connection to the existing pipe has been replaced by a doghouse type manhole.
  - i. A note has been added to Sheet 2.
  - j. Additional drywell & piping details have been provided.
7. Please note the following:
- a. The calculations have been revised to indicate that the Modified Rational Method is being utilized.
  - b. The requested note has been added to Sheet 2.
  - c. The calculations have been revised.
  - d. The input calculations have been added to the report.
  - e. Time to drain calculations have been added to the report.

8. Enclosed please find one copy of the maintenance manual.

In addition, please note the following plan changes based on the Ms. Patras' report and our discussion with the board:

- 1. Comments 1, 3, & 7 were addressed in testimony at the public hearing held on January 4, 2021.
- 2. Comment 4: Two street trees have been added to Sheet 3 with a planting detail on Sheet 4.
- 3. Comment 5: A note has been added to Sheet 2 stating that the driveways will have a maximum width of 10 feet in the front yard.
- 4. Comment 6: A retaining wall detail has been added to Sheet 3.
- 5. Comment 8: Acknowledged.

Thank you for your attention in this regard.

Yours truly,



David E. Fantina, PE

CC: Nicole Magdziak, Esq., with plan  
206 Ampere Parkway, LLC  
Greer Patras, Village Planner  
Ojetti Davis, Planning Board Secretary, with 20 copies of plan and