

December 15, 2017

Mr. Timothy W. Wales, PE
City Engineer
City of Saratoga Springs
City Hall - 474 Broadway
Saratoga Springs, NY 12866

**Re: City of Saratoga Springs – Site Plan Review – PB App. No. 17.075
Belmonte Builders – Spencer Subdivision**

Dear Mr. Wales:

We have completed our review of the following documents submitted by Environmental Design Partnership, LLP: Subdivision Application, Subdivision Review Checklist, Complete Streets Checklist, SEQR Environmental Assessment Form, Engineers Report on Water and Sanitary Sewer, SWPPP, Archeological Survey, Traffic Letter, and Site Plans.

This review was conducted on behalf of the City of Saratoga Springs for the proposed Spencer Subdivision. Our comments are as follows:

SWPPP Review

SWPPP Report

1. Page 5 – Section H – Please provide correspondence for Historical places.
2. Page 7 – Number 3 – Stormwater ponds are listed to be used as temporary sediment basins during construction. Please review.
3. Page 8 Item I - Is rip-rap proposed to be used? Please review.

STORMWATER MANAGEMENT NARRATIVE

4. Page 4 – Please provide table for the other analysis points under existing conditions.
5. Page 7 – Why is Chapter 9 of the NYS SWDM referenced? Chapter 9 is for redevelopment projects. Please review.
6. Please provide infiltration test results. Please insure that the testing was done in compliance with the NYS SWDM.
7. In general, please provide a summary table for the stormwater runoff for each subarea



(analysis point) under existing and proposed conditions per the SPDES General Permit GP 0-015-002, Part III.B.2.c.iv.

8. Who will own the chambers within the Right-of-Way? Has a discussion with the City of Saratoga Springs regarding this occurred? The City may wish to have the chambers located outside of the public ROW.
9. Please discuss in detail how Water Quality/RRV, the Channel Protection Volume, etc. are provided in subcatchments OS-6, OS-7 AND A-1.
10. Using chambers for sediment removal/pretreatment will make sediment removal from the chambers extremely difficult. This practice will need to be discussed directly with the City if they are to take ownership of the practices within the ROW.
11. For the 10-year and 100-year storm events, please provide a table that includes the various subareas/analysis points. Please provide the peak runoff rates for the various Design Points under existing and proposed conditions.
12. For the Water Quality Calculations (Attachment A), please provide the sizing calculations for each practice. For example, please provide calculations for the “shallow grass depressions” Please use the GI Excel Worksheets provided by NYSDEC where appropriate. It may be appropriate to run the HydroCad model using the Water Quality Storm event as well.
13. Please discuss what Pond 1P: Roof Top Disconnect under proposed conditions within the HydroCad model is?
14. Please discuss the number chambers provided for within each “chamber system”. Is the “first set” of chambers providing water quality while the remaining chambers are providing water quantity control? Or is the first set of chambers providing pretreatment?
15. For each subarea where chambers are proposed, please provide a summary of the number of proposed chambers and a brief discussion of how each system will operate.
16. For each Post-Construction Stormwater Practice, a Maintenance Plan must be presented and yearly inspections be completed with reports provided to the City Engineer.



PLANS

17. Sheet 4 – Please provide the number of chambers for each practice.
18. Sheet 4 – Behind lot 18,19, 20,21 and 22 – Is this supposed to be a depression? If so, please revise grading accordingly.
19. Sheet 4 – Why is the TF of CB 5 and CB 6 different? Why is the TF for CB 3 and CB 4 different?
20. Sheet 7 – Please note that the disturbance must be under 5 acres at any one time.
21. Sheet 7 – Please make the Stabilized Construction Entrance a minimum of 24’ wide.
22. Sheet 8 – The Bituminous Pavement Detail text is “cut-off” at the top of the sheet.
23. Page 10 – Please provide a detailed layout for each chamber system. Include at a minimum the number of chambers and pipe entrance elevations.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

Clark Patterson Lee

Matthew T. Smullen, P.E.
Principal