

September 4, 2018

Timothy Wales, P.E., City Engineer
City of Saratoga Springs
474 Broadway
Saratoga Springs, New York 12186

Re: 385 Broadway Apartment Project
Second Engineering Review

File: 539.046.001

Dear Mr. Wales:

Barton & Loguidice, D.P.C. (B&L) has completed a review of the following reports and information for the 385 Broadway Apartment project proposed by 385 Broadway, LLC.

- Response letter from Brett Strom, P.E. from LA Group dated August 17, 2018;
- Stormwater Pollution Prevention Plan (SWPPP) prepared by LA Group and dated August 16, 2018;
- Cost Estimate for Letter of Credit dated May 24, 2018 and revised August 15, 2018;
- FEAF, revised and signed by Thomas Newkirk on August 16, 2018;
- Stormwater Pollution Prevention Plan (SWPPP) dated May 24, 2018 and revised August 16, 2018 as prepared by LA Group, PC;
- Plan Set (12 Sheets) dated June 7, 2018 and revised August 15, 2018 as prepared by LA Group, PC and the project Architect;

This review was conducted on behalf of the City of Saratoga Springs. It should be noted that we did not receive a revised Engineer's Report in this submission. The above referenced documents and information were reviewed only with respect to our scope outlined in our task order/proposal.

General

1. The project has received correspondence from NYSSHPO in regard to the existing NYS nearby historic district and this building is deemed non-historic? NYSSHPO did comment that facade renovations should be appropriate to the surrounding historic district. We did not receive colored elevations and versions submitted appear unchanged and do not show street trees. Response letter indicated colored elevations and renderings were submitted to the City.



2. Response letter indicated green roof irrigation will be done by hand but did not indicate if water source was available close by or who would be doing this needed maintenance. This can occur appropriately if this role is recognized as crucial to roof green infrastructure investment during extended dry periods.

Water and Sanitary Sewer

1. The response letter indicated the fire flow demand, backflow prevention means and available pressures will be determined by the fire protection designer and MEP designer but is apparently still a work in progress. It is anticipated that adequate capacity exists but yet to be confirmed.
2. Add a calculation of available pressure at the top floor shower heads at 6' above finished floor. Pressure is anticipated to be adequate. Needs to be 35-40 psi minimum.

Stormwater

Stormwater Pollution Prevention Plan (SWPPP)/stormwater modeling

1. The response letter indicated that collection of the roof drainage will be detailed by the architect and MEP designer.
2. The stormwater management system will receive (upon completion and one year after) site inspections by a licensed professional to identify any needed corrective measures and/or maintenance. A report will be prepared and submitted to the owner with pertinent findings.
3. Provide manufacturer's operations and maintenance manual as a separate appendix in SWPPP once the green roof materials have been approved and installed complete as indicated in the response letter.

If you have any questions, please feel free to contact our office.

Sincerely,

BARTON & LOGUIDICE, D.P.C.

A handwritten signature in blue ink that reads "Bradley D. Grant".

Bradley D. Grant
Senior Project Manager

BDG/ojf