

File: 15178

January 22, 2016

Ms. Caitlin Cameron
City of Portland
389 Congress Street, 4th Floor
Portland, ME 04101

RE: LUMINATO CONDOMINIUMS, GREEN ROOF

Dear Caitlin,

Attached are details and specifications for the Green Roof including maintenance guidelines. These have been prepared using the roof manufacturer's guidelines to ensure that the roof warranty is valid. It is important to us and the future owners that this occurs.

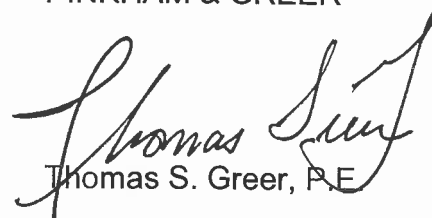
We have analyzed the site with HydroCad and the one year rain storm. The resulting flow of 0.36 cfs is small. More importantly, in the review of the systems, it appears the antecedent moisture condition for most storms is lower than what the analysis uses. Those sections of the roof with plants will remove most rainfall in small events from the discharge. It is anticipated that 40% of the annual rain fall will be utilized by the plants.

The design of the roof system has been carefully done to take the loading requirements of the green roof into consideration

Hopefully this addresses your concerns about the system.

Sincerely,

PINKHAM & GREER



Thomas S. Greer, P.E.

Enclosures

cc: Tom Federle, Chip Newell, David Lloyd, File

TSG/rjs