

# McBrie, LLC

160 Sylvan Street  
Danvers, MA 01923

Structural Design & Sales  
www.mcbrie.com

Telephone: 978-646-0097  
Fax: 978-646-0087

July 26, 2017

Mr. George Proakis  
Director of Planning  
City of Somerville, City Hall  
93 Highland Avenue  
Somerville, MA 02143

RE: **EXISTING BRICK CHIMNEY CONDITION**  
at the Redevelopment of 21 Murdock Street  
21 Murdock Street,  
Somerville, MA 02145

McBrie, LLC Project #17-190

Dear Mr. Proakis:

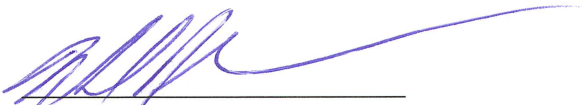
McBrie, LLC has been asked to evaluate the existing unreinforced brick chimney at the above referenced project to determine if it is safe for the proposed redevelopment at the site.

It is McBrie, LLC's opinion that maintaining a chimney of this aspect ratio (height to width) is a seismic hazard to proposed surrounding structures. This is due to its construction method which only provides very minimal lateral and uplift load resistance and is very susceptible to failure during a seismic event.

Therefore if the chimney is not active, McBrie, LLC recommends that it be removed as part of the development of this project.

Please do not hesitate to contact our office if you require additional information.

Sincerely,



Michael Perham, PE  
Structural Engineer / Managing Member

cc: Peter Quinn, Joseph Flaherty