

MacLeod
Structural Engineers, PA

October 14, 2015

Mr. Timothy Albair
Cape Elizabeth, Maine 04105

Re: 400 Riverside Street existing foundation

Dear Mr. Albair:

At your request I have visited the above referenced property to evaluate the suitability of the existing foundation for the proposed new building construction. It is proposed that a new single story wood framed commercial building be constructed on an existing concrete frost wall foundation.

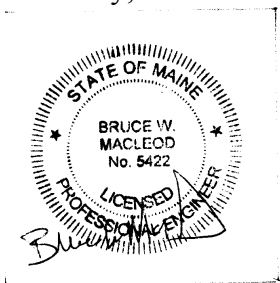
I observed that there is an 8 inch thick concrete frost wall projecting above the existing grade approximately 8 to 12 inches. The foundation forms a rectangle of approximately 40 feet by 48 feet. There are existing anchor bolts projecting from the top of the wall. There are dropped areas for an overhead door and two 3 ft wide doors. There are two existing cracks in the wall, which appear to have occurred at some point in the past.

The date of construction of the existing foundation is not known, but given the nature of the construction of this foundation, and the presence of other similar buildings on the site, it is reasonable to determine that this foundation was constructed with the intent of supporting a one to two story wood framed commercial structure.

In summary, the structure on whole appears to be adequate for the proposed use. Some remediation work will be required to seal the existing cracks, and new anchor bolts will need to be installed. The design of the new building structure should be performed by a licensed engineer and carried out by a qualified contractor.

Thank you for the opportunity to be of service to you in this matter. If you need additional assistance, please contact me at anytime.

Sincerely,



Bruce W. MacLeod, PE, MASCE

MacLeod
Structural Engineers, PA

