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Peter,

As we discussed previously, in our investigation for the design of the new columns at 811-819 W. Main St. it became necessary to uncover the existing foundation locations. Attached you will find our findings of the existing condition. In general, it can be said that the existing foundations are immediately beneath the existing basement slab. Except one wall, the foundations are a single limestone block perpendicular to the basement wall immediately below the basement slab. The one wall that varies is a brick wall with a corbelled brick foundation. This is not consistent with other buildings immediately adjacent to yours on Main St. In those buildings the foundations were 3-4ft below the basement slab.

The photos below are noted as follows:

- A) Corbeled brick foundation
- B) Bottom of existing brick or stone foundation
- C) Undisturbed earth.

Through this investigation we have determined that in order to get the columns as close to the brick walls as possible it would require two piers (25 feet deep each) per column to provide additional support for the existing masonry walls. This will allow us to remove the cantilevered portion of the footing and locate the new column as close to the wall as possible. This investigation also further substantiated that these masonry walls are not adequate to support the code required dead and live loads for any new occupation of the buildings.

Sincerely,

Cash Moter

Partner, Architect
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Figure 1 817 West



Figure 2 - 817 East



Figure 3- 815 East



Figure 4- 815 West



Figure 5



Figure 6



Figure 7



Figure 8