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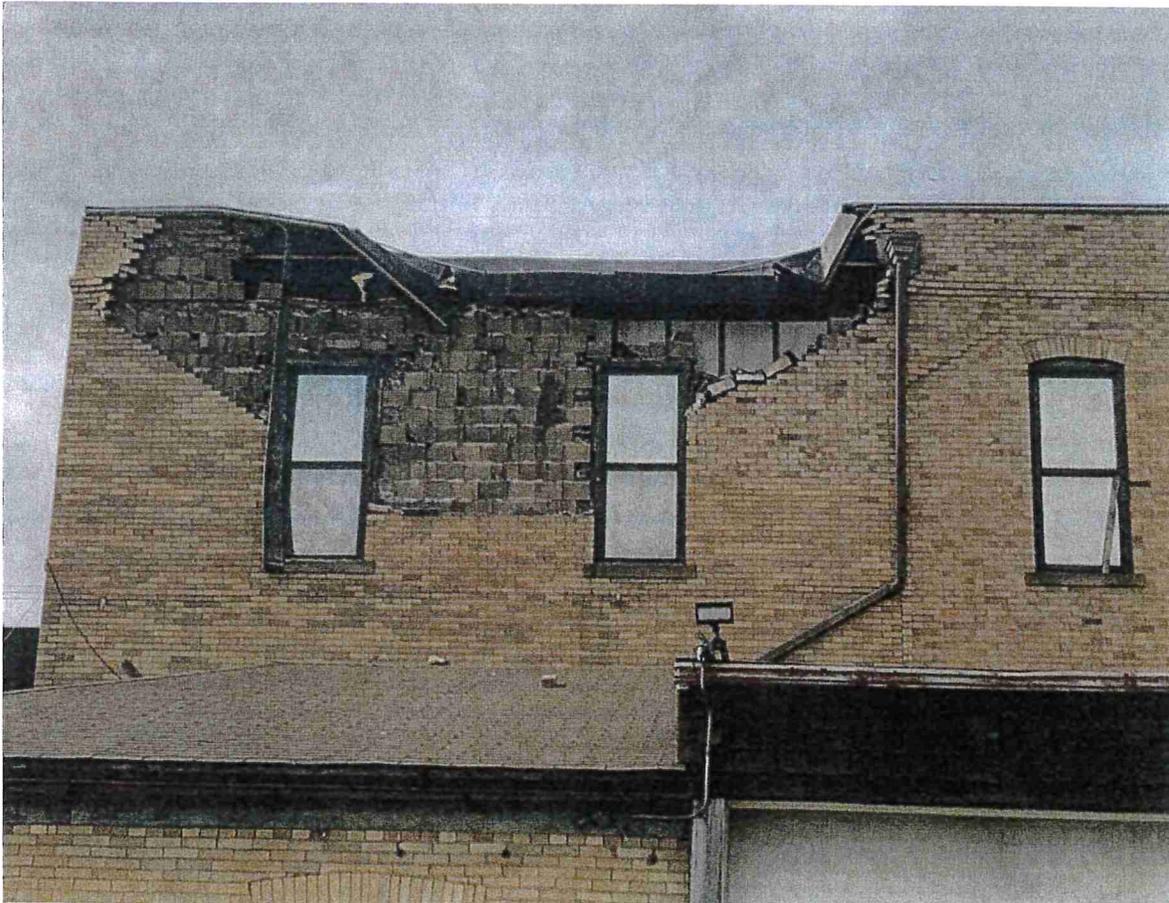
March 27, 2020

Mr. Clyde Wilhelm
Borough Manager
Borough of Swissvale
7560 Roslyn Street
Swissvale, PA 15218

Subject: Assessment of Structural Failure
Borough Building
7560 Roslyn Street
Swissval, Allegheny County, Pennsylvania

Dear Mr. Wilhelm:

KU Resources, Inc. (KU Resources) is pleased to provide you with the following report of the structural condition of the Borough Building in light of the wall failure that occurred on the afternoon of March 26th. On that date, the southeastern wall of the upper floor, outside of the Council Chambers, failed and collapsed through the roof of the Public Works Garage below. An approximate 40 foot long section of the wall collapsed, as shown in the photograph below.



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The failure involved not only the brick façade of the building, but also the underlying vitrified clay block used in the construction in about 1935. The roof structure in this area appears to be presently supported by the framing structure used to create the interior surface of the Council Chamber. This area of failure is approximately 25 feet and more above the surrounding ground surface at the southern end of this addition.

The damage present reflects a complete structural failure of this building. The missing wall section and unsupported roof are putting undue stress on the remaining two walls of this wing, which have already been stabilized in the past due to known façade issues. ***In my professional opinion, I believe that this situation represents a public safety hazard, which could possibly result in additional property damage and potential loss of life due to its location in close proximity to roadways and occupied structures.***

To abate the situation, I am recommending that the walls and top floor of the 1935 addition be removed before there is a cascade failure of the remainder of this portion of the Borough Building. We are devising a remediation plan that would entail building a new exterior wall across the room, approximately where the current railing is positioned. This is the location of the former exterior wall before this last addition was erected, and has the structural support present in the lower levels to bear this weight. Once the roof and walls of this area are removed, a new truss system will be installed over the existing floor joists of the Council Chambers to create a gabled roof structure to protect the police Offices, jail cells, and storage areas on the lower level.

If you have any questions regarding the site conditions or the recommendations presented herein, please feel free to contact me at your earliest convenience.

Respectfully submitted



Harold P. McCutcheon, P.E.
Chief Engineer

