

**Becklin & Whitney**  
*Consulting Engineers, Inc.*  
**139 1<sup>ST</sup> AVE. E, SUITE 100**  
**P. O. BOX 471**  
**CAMBRIDGE, MN 55008**  
**PHONE (763) 689-5631 FAX (763) 552-5631**

April 17, 2019

Russ Zastavskiy  
Hallmark Builders  
7100 Medicine Lake Rd, Ste 900  
Minneapolis, MN 55427

RE: Vehicle Impact  
377 Maryland Ave. W  
St Paul, MN

To Whom It May Concern:

**Introduction**

The home was impacted by a vehicle and caused extensive damage. We were asked to review and determine required repairs. We visited the site on Tuesday, March 19 and met with Russ of Hallmark Builders.

**Observations**

The home is on the north side of Maryland Ave. The south portion of the home is an attached garage. The vehicle impacted on the south side, off of Maryland Ave. The impact did extensive damage to south wall of home and to the east wall of home.

Main support beams are dislocated and framing is out of place. The home has lathe and plaster wall finishes. Any cracked plastered walls will need to have lathe and plaster removed and walls recovered with gypsum.

The foundation is damaged on east wall. The foundation on east wall needs to be repaired. The foundation walls on the basement of north portion of home appear to be undamaged.

The main house on the basement has damage to party wall, but not to rest of structure. Although, there are some cracks in plaster caused by impact on structure and plaster would need to be removed and replaced with gypsum to repair.

**Discussion**

The south 21 feet of the home is damaged along with the party wall. The south 21 feet of home which is the garage and breezeway needs to have interior and exterior finishes and ceiling finishes removed. Framing can then be checked and repaired. The party wall between home and breezeway also needs to be stripped so framing can be checked and repaired.

Ceiling beams have shifted and need to be reframed to support the roof structure. The beams appear to be undamaged but need to be moved back into position and supported by a minimum of four (4) studs.

**Recommendations for Repair**

Remove all interior, exterior and ceiling finishes from the south 21 feet (garage & breezeway) of the home. Repair the foundation on the east side of home. Repair or replace framing as needed in attached garage and breezeway. Check framing anchorage to foundation, anchor bolts are required at 6 feet o.c. Move beams back into location and support with (4) studs at each end.

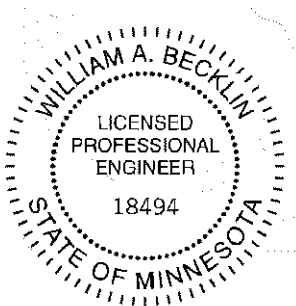
All walls need to be anchored to roof joist with (3) toenails for A35 clips.

Replace all of interior, exterior and ceiling finishes.

**Conclusions**

**Attachments:**

- Floor Plan**
- Sections**
- Photos**



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

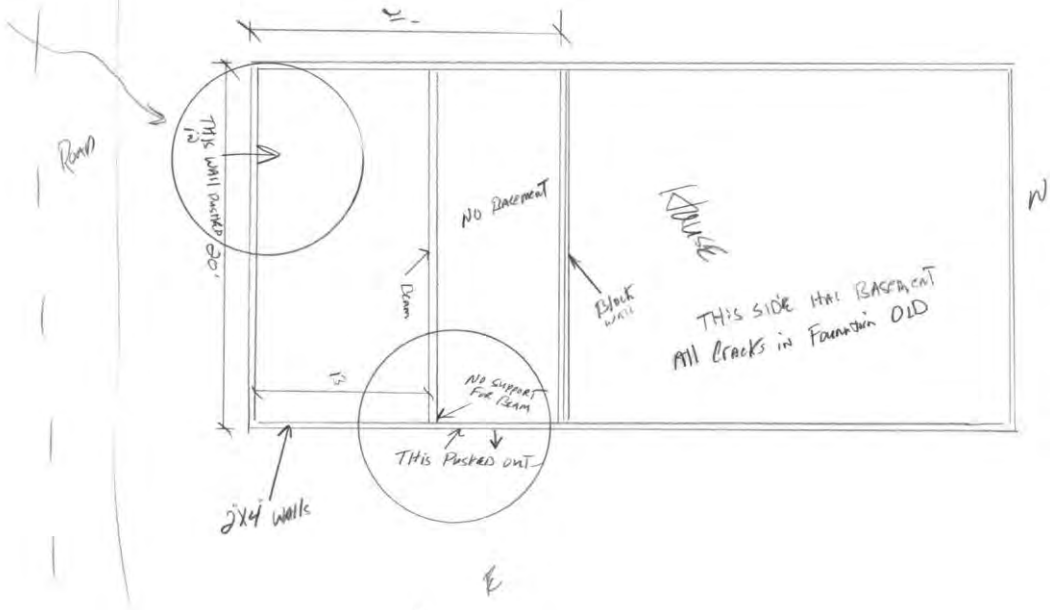
*William A Becklin*

WILLIAM A. BECKLIN, P.E.

DATE: APRIL 17, 2019 LIC. No. 18494

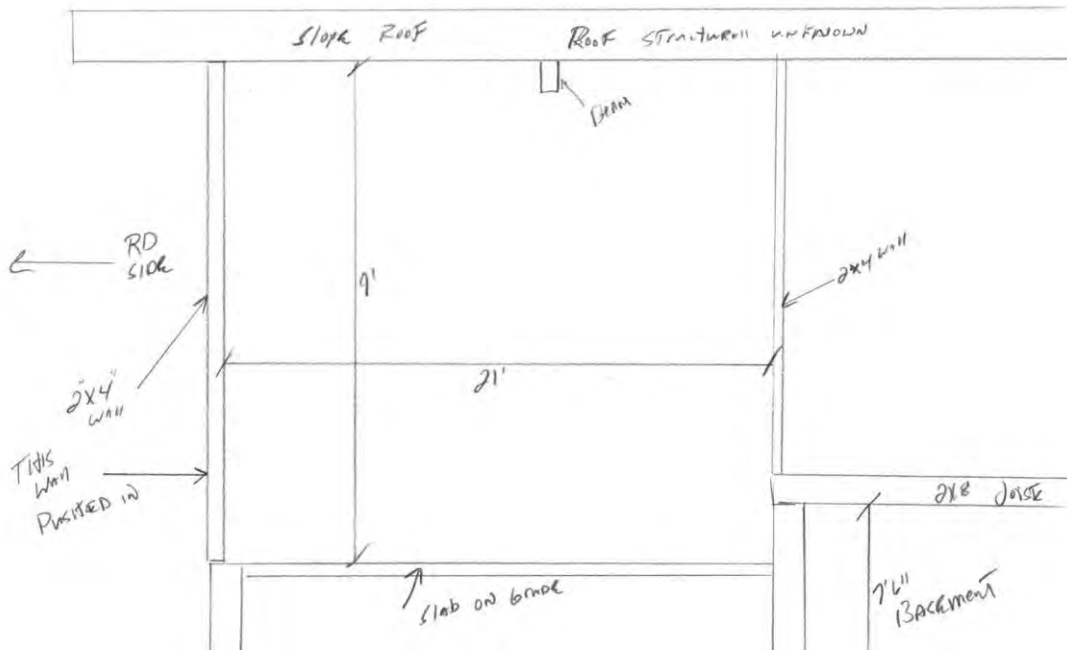
377 Maryland Ave West  
ST PAUL MN 55117

W



377 Maryland Ave  
WEST ST PAUL MN 55117

Section  
Looking West



377 Mneyland Ave  
WEST ST PAUL MN

East/ West Section  
at Garage

