R.C. Schend & Associates
4706 Harrison Road
Kenosha, WI 53142

Structural Engineers
262-694-7070

September 18, 2009

Ms. Calla Ricciardi
COLLEEN REALTY, INC.
4721-75th. Street
Kenosha, WI 3142

Re: Foundation Inspection, 4106-23rd. Avenue, Kenosha, WI

Dear Ms. Ricciardi,

As you requested, on September 18, 2009, I visited the above referenced house and inspected the basement walls/foundations of the house. The reason for this inspection was to provide an evaluation of structural condition of the basement walls.

This house is a single story frame building supported on 8 inch thick poured concrete walls which form the basement under the structure. I have recently design repairs to two serious cracking problems in this basement.

The south wall of the basement adjacent to the driveway had cracked from the basement window to the floor slab. One side of the cracked wall had deflected inward approximately one inch. This problem was repaired by removing approximately 18 inches of the wall and doweling reinforcing bars into each side the remaining walls and replacing the removed 18 inches of wall with new concrete. In addition a steel column was located next to the wall, bolted into the floor slab and secured to the first floor framing to prevent any further inward movement of the wall.

The second crack located at the midpoint of the east wall was repaired by removing approximately 9 inches of wall each side of the crack doweling bars into the existing wall and pouring new concrete into the gap. Since the wall had not displaced inward the wall bracing was not required.

With these repairs to the basement walls accomplished the foundations of the house are now back in a sound condition and with normal maintenance should continue to support the loads imposed on them.

If you have any questions concerning these matters, please contact me.

Yours truly,

R.C. SCHEND & ASSOCIATES

Richard C. Schend, PE
RCS: lms