



**Naples City Ordinance 16-291 Policy:
Pile Driving & Demolition Work Seismic Monitoring &
Pre-Demolition Structure Inspection**

Demolition and/or Pile Driving Contractor shall identify the company who will perform the seismic monitoring. On-site monitoring shall include an individual from the monitoring company to monitor devices on site during all pile driving activities. For demolition work seismic results will be reviewed at the end of each day from start to finish for all house walls/roof/foundation & pool removal work. Seismic monitoring is required per Naples City Code Ordinance 16-291b(11d), monitoring is not required for the removal of the driveway or loose waste.

Allowable vibration levels shall comply with the US Bureau of Mines study which was created to prevent cosmetic damage to the most fragile of building materials. The USBM recommends a peak particle velocity limit of 0.5 inch per second for ground vibrations from 2 to 10 hertz (or cps) for plaster on lath construction. For drywall type construction, the USBM recommends a peak particle velocity limit of 0.75 inch per second for the frequency range of 4 to 15 hertz. Above 40 hertz, a peak particle velocity of 2.0 inches per second is the maximum safe level for the protection of residential structures of all construction types.

The company performing the seismic monitoring shall notify the demo and pile driving contractor if unacceptable readings are measured requiring work practices to be altered as required to obtain acceptable seismic readings.

Condition required for demo permit to be closed out: After demo is complete the demo contractor shall use the permit condition to upload the seismic report required for the City to close out and final the demo permit.

I have read and agree with the above provisions.

Building permit application number: _____

Qualifier Signature: _____ Date: ____ / ____ / ____

Seismic Monitoring Engineer: _____ License Number: _____

Adjoining properties requesting seismic monitoring and/or inspection:

- _____ monitoring inspection
- _____ monitoring inspection
- _____ monitoring inspection
- _____ monitoring inspection