

# Memorandum

**To:** Guy Lebreque  
**From:** Mike Nugent/Inspections Division Director  
**Date:** 12/12/2005  
**Re:** 63 Marginal Way, Foundation Only Permit

I have commenced the review of the building plans and require the following or have the following questions:

1) Need Statement of Special Inspections

2) This section was referenced in the Geotech report and the plans don't appear to comply, can you review and comment?

"1808.2.5 Stability.

Piers or piles shall be braced to provide lateral stability in all directions. Three or more piles connected by a rigid cap shall be considered braced, provided that the piles are located in radial directions from the centroid of the group not less than 60 degrees (1 rad) apart. A two-pile group in a rigid cap shall be considered to be braced along the axis connecting the two piles. Methods used to brace piers or piles shall be subject to the approval of the building official.

Piles supporting walls shall be driven alternately in lines spaced at least 1 foot (305 mm) apart and located symmetrically under the center of gravity of the wall load carried, unless effective measures are taken to provide for eccentricity and lateral forces, or the wall piles are adequately braced to provide for lateral stability".

3) The Geotechnical report addresses some but not of the below listed item : (the items where info is needed are in **BOLD**)

1808.2.2 General.

Pier and pile foundations shall be designed and installed on the basis of a foundation investigation as defined in Section 1802, unless sufficient data upon which to base the design and installation is available.

The investigation and report provisions of Section 1802 shall be expanded to include, but not be limited to, the following:

1. Recommended pier or pile types and installed capacities.
2. Recommended center-to-center spacing of piers or piles.
3. Driving criteria.
4. **Installation procedures. (... with splice spec...)**
5. **Field inspection and reporting procedures (to include procedures for verification of the installed bearing capacity where required).**
6. Pier or pile load test requirements.
7. Durability of pier or pile materials

8. Designation of bearing stratum or strata.
9. **Reductions for group action, where necessary.**