

- (iv) general geologic conditions and seismic data;
- (v) the classification of soils existing on-site and the evaluation of their bearing capacity in undisturbed condition (for buildings to be placed in areas of cut or zero fill), and their adequacy and bearing capacity if used as compacted fill;
- (vi) the recommended building finish floor elevation(s);
- (vii) the recommended specifications for the grading plan and the compaction method, thickness of fill lifts, compaction tests, and the necessary field supervision by a Soils Engineer;
- (viii) if piling is required, the recommended allowable loads, recommended types and lengths of pile to develop these loads, and the recommended allowable lateral loads per pile;
- (ix) a history of land use for ENTIRE PREMISES including location and existing condition of any structure, foundations, basements, or underground tanks, and recommendations in their regard;
- (x) the recommended type of footing for MERCANTILE BUILDING including the safe allowable soil bearing pressure (specify net or gross) which can be used for foundation design under (a) individual spread footings, and (b) continuous wall footings (the recommended bearing value must result in acceptable settlement, both individually and differentially);
- (xi) the minimum size of spread footings and the minimum width of wall footings;
- (xii) specification of any compaction procedures or tests which may be required on soil under the floor slab, and the specification of its load bearing capacity;
- (xiii) the frost line depth and recommended minimum depth of bottom of footings.

Within 45 days after the later of (i) the date set forth in Clause I (3) of Exhibit E and (ii) the date on which MERCANTILE receives the results of the preliminary soil tests, MERCANTILE shall notify DEVELOPER in writing of whether MERCANTILE BUILDING will use spread footings or whether piling will be required. MERCANTILE'S design decision shall be based on the results of the preliminary soil tests and shall be made in accordance with good engineering standards, and if MERCANTILE elects to use piling, it will upon request of DEVELOPER, submit the soils test and the load criteria of the MERCANTILE BUILDING to an independent engineer selected jointly by PROJECT ARCHITECT and MERCANTILE. If such independent engineer concurs that piling is required, then the required piling shall be installed at DEVELOPER'S sole expense. If MERCANTILE BUILDING will use spread footings,

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