

## 2.3 Engineered Fill

The provisions listed below are to ensure the supervised placement of earth fill is suitable for building and lot grading operations.

- 2.3.1.1 (a) Prior to the final clearance for building permit availability the Engineer shall submit grading plan drawings that clearly identify the proposed controlled fill envelope on each lot.
- 2.3.1.1 (b) Prior to the issuance of a building permit, for each lot that occurs on engineered fill, a geotechnical engineer shall certify that based on his/hers field investigation, the compacted fill is capable of safely sustaining a certain allowable bearing pressure, of 150 kPa or any other specified capacity subject to certain qualifications.
- 2.3.1.1 (c) A certification accompanied by a sketch detail illustrating the foundation design shall be signed and sealed by a Professional Engineer indicating that the foundation design for the building on a specific lot is compatible with the allowable soil bearing capacity specified in the geotechnical certification.
- 2.3.1.1 (d) Prior to footing construction, the geotechnical engineer shall inspect the bottom of the excavation and certify that the soil has the proper allowable bearing capacity to support the proposed structure(s). Copies of these inspection reports shall be submitted to the Building Standards Department prior to proceeding with the building superstructure (the above grade portion of the building).
- 2.3.1.1 (e) Before proceeding with the building's superstructure, the developer's Engineer shall provide the Building Standards Department and the Development Engineering Department with a certificate that the top of wall elevations comply with the plan on the basis of which the building permit was issued.

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