ATTACHMENT 047

Headlands Residential Geotechnical Requirements

A site specific geotechnical report is required for the safety of each residential development. The geotechnical report should include review, testing, evaluation and recommendations and the report must conform to current City Grading Code Sections 8.01.420 and 8.01.220. Background guidance provided by Zeiser Kling from the "Geotechnical Report of Rough Grading..." prepared by AMEC Earth Environmental, Inc, The Headlands' Rough Grading Geotechnical Engineer of Record, is also contained in this attachment. The following is a list of items to be included in the geotechnical report.

i) Site specific subsurface investigation

ii) Soil Testing (not limited to):
   a. Soil expansiveness
   b. Soil corrosiveness (soluble sulfate)
   c. Soil strength

iii) Appropriate design measures for expansive soils and soil corrosiveness, if necessary.

iv) Appropriate design measures for any proposed structures or other proposed surcharge loads that are planned or are anticipated within the 'active' zone behind existing and/or proposed retaining walls.

v) Complete geotechnical recommendations for all proposed improvements (i.e. residential structures, pools, spas, decks, retaining walls, screen walls, grading etc.).

vi) Review as-graded geotechnical reports, the September 2004 Geotechnical Report for the Headlands Development Project (Rough Grading Plan Review), and grading plans that pertain to the site. The consultant shall be responsible for reviewing and incorporating all recommendations contained in said geotechnical reports.

vii) Plot plans and cross-sections should incorporate the locations of all proposed grading and improvements, e.g. footings and footing setbacks, retaining walls, drainage, BMP's etc., as well as existing retaining walls, geogrid, existing drainage systems (surface and subsurface), erosion control measures, utilities, adjacent street right-of-way, storm drain connection point(s) and the general topography of the site.