*Structural Fill*

Any areas to receive fill should have all topsoil, organic material, or debris removed. Any previously placed uncontrolled fill should be recompacted prior to placing new fill. The fill receiving surface should be scarified and moisture conditioned to within 2 percent of its optimum water content and compacted to a minimum of 90 percent of its ASTM D-1557 maximum dry density prior to placing new fill. New fill should be placed in thin lifts not to exceed 6 inches after compaction while maintaining at least 90 percent of the maximum ASTM D-1557 dry density. Fill material should be free of vegetation or other unsuitable material and should not contain rocks or fragments greater than six (6) inches in size. Topsoil, strippings and/or other organic debris should not be mixed with the structural fill. Fill material should be placed at a water content conducive to compaction, usually ±2 percent of the ASTM D-1557 optimum water content. Fill slopes should be constructed at angles no steeper than 3 horizontal to 1 vertical and be properly benched into existing soils to allow for complete and thorough compaction. The placement and compaction of fill should be observed and tested by a Soils Engineer during construction. Any import materials should be approved by a Soils Engineer prior to delivery to the site.

## 10.0 CLOSURE

It is our opinion that the existing geologic engineering and geologic conditions will impose some constraints on development and construction of the site. The geologic hazards identified on the site can either be avoided by development or satisfactorily mitigated through proper engineering design and construction practices. Development and Grading Plans should be reviewed prior to final approval.

It should be pointed out that because of the nature of data obtained by random sampling of such variable and non-homogeneous materials as soil and rock, it is important that we be informed of any differences observed between surface and subsurface conditions encountered in construction and those assumed in the body of this report. Reporting such discrepancies to Entech Engineering, Inc. soon after they are discovered would be greatly appreciated and could possibly help avoid construction and development problems. Additional investigation is



Provide

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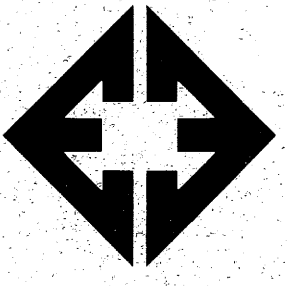

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