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SCST No. 140568N
Report No. 3

Mr. Craig Brown
Vice President of Construction Management
Capstone Development Partners
162 Rancho Santa Fe Road, Suite B-80
Encinitas, California 92024

Subject: SUPPLEMENTAL FOUNDATION AND
GRADING RECOMMENDATIONS
STUDENT HOUSING COMPLEX
5030 COLLEGE AVENUE
SAN DIEGO, CALIFORNIA

References: *Geotechnical Investigation, 5030 College Avenue, San Diego, California*, dated September 19, 2008, prepared by Southern California Soil & Testing, Inc. (SCST Report No. 0811164-1).

Geotechnical Update, Student Housing Complex, 5030 College Avenue, San Diego, California, dated November 11, 2014, prepared by Southern California Soil & Testing, Inc. (SCST Report No. 140568-1).

Supplemental Geotechnical Investigation, 5030 College Avenue, San Diego, California, dated February 26, 2015, prepared by Southern California Soil & Testing, Inc. (SCST Report No. 140568N-2).

Dear Mr. Brown:

In accordance with your authorization, Southern California Soil and Testing, Inc. (SCST) prepared supplemental foundation and grading recommendations for the subject project. We understand that the project will be founded on spread footings extended to bear upon formational materials. Therefore, we are providing recommendations for earthwork in lieu of soil-cement treatment of compacted fill. The recommendations otherwise contained in our referenced geotechnical reports remain applicable.

Deepened Footings

We understand the design team has considered an alternate to soil-cement treated fill to support shallow foundations as recommended in the referenced supplemental geotechnical report. To reduce the potential for transitional conditions and resulting differential settlement, the building footings should be founded entirely in firm formational material. To achieve this, the footing excavations in some areas will need to be deepened to extend through compacted fill soils to bear on formational materials, particularly on the west end of the pad. The deepened portion of the footing excavation should be replaced with Controlled Low Strength Material (CLSM) (Public Work Standards, 2009) with a 7-day compressive strength of 75 pounds per square inch.

Shallow, spread or continuous footings founded in competent formational materials, or upon CLSM poured upon competent formation, may be designed using the allowable bearing capacity provided in the referenced project geotechnical report.

Site Preparation – Interior Slabs-on-grade

For interior slab-on-grade support, the existing fill should be excavated entirely beneath the planned structures and settlement sensitive improvements and replaced with compacted fill. Horizontally, the excavation should extend at least 5 feet outside the perimeter of the planned improvements, or up to property line, whichever is less. The cut portion of the pad adjacent to the excavations for fill may need to be further undercut as evaluated during grading by our representative to reduce the effects of differential settlement of the compacted fill.

If you have questions, please call us at (619) 280-4321.

Respectfully Submitted,
SOUTHERN CALIFORNIA SOIL & TESTING, INC.



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DAS:ER:jkh

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