



Chen & Associates
Consulting Geotechnical Engineers

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Salt Lake City, Utah 84115
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May 20, 1985

Subject: Geotechnical Investigation
Condominium Development, 1100
East 4800 South, Salt Lake
County, Utah

Job No. 519985

Edinburgh of Holladay
1521 East 3900 South
Suite 200
Salt Lake City, UT

ATTN: Kelly Sheppard

Gentlemen:

Chen and Associates, Inc. was requested to conduct a geotechnical investigation for a proposed condominium development to be located on the North side of 4800 South at approximately 1100 East. We understand that the proposed development will consist of 42 units constructed as 2 to 4 units per building. The units will be from single to 3 stories. Retaining walls will be included in the development along the northeast portion of the property and at various locations within the development.

Chen and Associates, Inc. drilled 9 exploratory borings across the area of proposed development on May 16 and 17, 1985. The drilling was conducted to observe the subsoil conditions and to obtain samples for laboratory testing. The subsoil profile as determined by the borings, generally consists of interlayered clay and silt with occasional deposits of sand. Occasional gravels were also encountered within the borings. Each boring was measured for water level with water only being encountered in the southeast corner hole at a depth of 7 1/2 feet. No free water was encountered in the other borings down to a depth of 30 feet. Isolated areas of surficial fill material and debris were observed across the site.

Based on the subsoil conditions encountered, and the proposed construction, we believe the site will be suitable to support the proposed facilities. Structures may likely be supported on spread footings bearing on undisturbed natural soils. Bearing pressures may range from 2,000 to 3,000 pounds per square foot.

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Laboratory testing is in progress and once completed, our engineering analyses will be conducted. A report will be prepared summarizing our findings and recommendations in regards to foundation bearing pressures, lateral loads on subsurface walls and retaining wall design parameters. A pavement section will also be provided.

If you have any questions, or we can be of further service, please call.

Sincerely,

CHEN AND ASSOCIATES

James E. Nordquist, P.E.

JEN/irp