

ENG17-00037

GRA17-00053

SOL17-00037

SITE SURVEYING

42919 NORTH CHICORY AVENUE
LANCASTER, CALIFORNIA 93534
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LHSITE@VERIZON.NET

JANUARY 18, 2018

ELEVATIONS OF FINISHED GRADE OF PROPOSED GARAGE UNDER CONSTRUCTION: 26767
SAND CANYON RD., SANTA CLARITA, CALIFORNIA, PER SHEET ONE OF TWO OF OVER
EXCAVATION PLAN DATED 12/18/2017.

T.B.M.: N.E. CORNER OF EXISTING TENNIS COURT, ELEVATION: 1720.0

I HEREBY CERTIFY TO CHRIS SEIDENGLANZ THAT ON THIS DATE THE ELEVATION OF THE
FINISHED GRADE WITHIN THE EXISTING FORMED PROPOSED GARAGE IS 1721.6, PER PLAN
SPECIFICATION.

ADDITIONALLY, THE ELEVATION OF THE EXISTING PERIMETER FORMS IS 1722.53.


J. LANCE HILLER
L.S. 4089



ACCEPTED	
CITY OF SANTA CLARITA ENGINEERING SERVICES DIVISION	
SIGNATURE	DATE
	1/30/18



City of Santa Clarita
 Engineering Services Division
 23920 Valencia Boulevard, Suite 300
 Santa Clarita, CA 91355

CASE NO.: _____

ROUGH GRADE CERTIFICATION

Tract or Parcel No.: APN: 2841-018-060

Lot No. (s): _____

Address or Location of Property: 26767 Sand Canyon Rd., Canyon Country

Owner: Mr. Chris Seidenglanz Contractor: KIP Construction

FIELD ENGINEER

Based upon observations, rough grading of the lots listed above has been completed in conformance with plans therefore marked "APPROVED" by the City, and Title 17, Division 3, of the Unified Development Code. The work includes but is not limited to the following: grading to approximate final elevations; staking of property lines; location and gradient of cut and fill slopes; location, cross-sectional configuration and flow line gradient of drainage swales and terraces (graded ready for paving); berms installed where indicated; and required slopes provided on building pads.

Engineer's Seal and Exp. Date (Below)

Plan Approval Date or Latest Plan Revision Date: _____

Lot No. (s): _____

Other Areas: _____

Remarks: _____

Signature: _____

Date: _____

x SOIL ENGINEER

Based upon tests and observations, the earth fills placed on the lots listed above were installed upon properly prepared base material and compacted in compliance with requirements of Chapter 17.27.020 of the Unified Development Code. Fill slope surfaces have been compacted and buttress fills or similar stabilization measures have been installed in accordance with my recommendations as approved by the City. Subdrains have been provided where required and locations of said subdrains are shown on plans dated _____.

See report dated 12/27/17 for compaction data and procedure, recommended allowable soil bearing values and other special recommendations.

Lot No. (s): _____

Expansive Soils [Yes] x [No] Lot No. (s): _____

Buttress Fills [Yes] x [No] Lot No. (s): _____

Reinforced Earth Walls [Yes] x [No] Lot No. (s): _____

Restricted Use Areas [Yes] x [No] Lot No. (s): _____

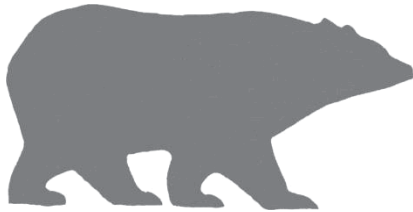
Remarks: Applies to the detached garage building pad only

Engineer's Seal and Exp. Date (Below)

Signature: [Handwritten Signature]

Date: 12/27/17





BRUIN GSI

**SOIL AND MATERIAL
TESTING AND INSPECTIONS**

December 27, 2017

J.N. 17-133

Mr. Chris Seidenglanz
California Commercial Construction Co.
26767 Sand Canyon Rd.
Canyon County, CA 91387

Project: Proposed Detached Garage located at 26767 Sand Canyon Rd., Canyon Country, Los Angeles County, California; APN 2841-018-060

Subject: **Final Rough Grading Compaction Report with Certification for Proposed Detached Garage Building Pad**

References: Geotechnical Investigation Report for Proposed Detached Garage located at 26767 Sand Canyon Rd., Canyon Country, Los Angeles County, California; APN 2841-018-060, dated October 31, 2017, prepared by Bruin Geotechnical Services Inc. J.N. 17-133

This report has been prepared to document the compaction testing and observations performed by Bruin Geotechnical Services, Inc. (BGSi) during rough grading of the referenced project.

The principal parties involved in the rough grading of the subject project are:

Owner: Mr. Chris Seidenglanz

Geotechnical Consultant: Bruin GSI

Contractor: KIP Construction

Grading of the site began on December 18, 2017 with clearing and grubbing of vegetation from the area to be graded as required.

Rough grading of the site consisted of engineered graded pad for the proposed detached garage building pad.

BRUIN GEOTECHNICAL SERVICES, INC.

44732 Yucca Avenue
Tel (661) 273-9078

Lancaster, California 93534
info@bruingsi.net

The soil was excavated a minimum of four (4) feet below existing grade, a minimum of five (5) feet beyond the limits of the proposed foundation.

The depth, width and length of the scarification were verified by the Geotechnical Consultant prior to fill placement.

The location of the proposed building pad on the site relative to the property lines was the client's responsibility.

The excavation bottom was scarified then moisture conditioned to near optimum moisture content, and compacted to 90% relative compaction as determined by ASTM D 1557 test method with heavy earth-moving equipment.

Compaction tests (ASTM D 6938 nuclear test method) were performed at various locations and elevation to verify density and moisture content compliance. A total of thirteen (13) compaction tests were performed. Final test results on the compacted engineered fill met or exceeded the required 90% relative compaction (95% in the upper 2'). A minimum of ten (10) percent of the compaction tests were performed in accordance with ASTM D 1556 sand cone test method as required.

A plot map of the test locations and horizontal limits of scarification are presented in Appendix A. Test results are shown in Appendix B entitled "Summary of Compaction Test Data."

Samples of the native soil used for grading were obtained for laboratory testing to determine compaction and expansion characteristics. Results are included in Appendix B entitled "Summary of Laboratory Tests."

The native soil used in grading was similar to those described in the referenced reports. The recommendations remain valid for construction. Expansion Index (0) of the native soil tested indicated "very low" expansion potential. Foundations shall be as required by the structural engineer.

Approval and 111 Statement

Bruin Geotechnical Services Inc. performed observations and testing during rough grading of the referenced project. The rough grading was performed in general compliance with the referenced reports and over-excavation recommendations. It is our professional opinion the completed rough grading and proposed structure on this site will not be subject to hazards from landslide, settlement, or slippage. The completed grading performed on this site will not adversely affect the site stability or stability of adjacent properties.

BRUIN GEOTECHNICAL SERVICES, INC.

Limitations

Bruin Geotechnical Services Inc. has performed compaction testing and observations in accordance with generally accepted engineering practice. No guarantee or warranty of the contactors' work is made or implied. Test results indicate adequate compaction at the areas tested.

Respectfully Submitted:

Bruin Geotechnical Services, Inc.

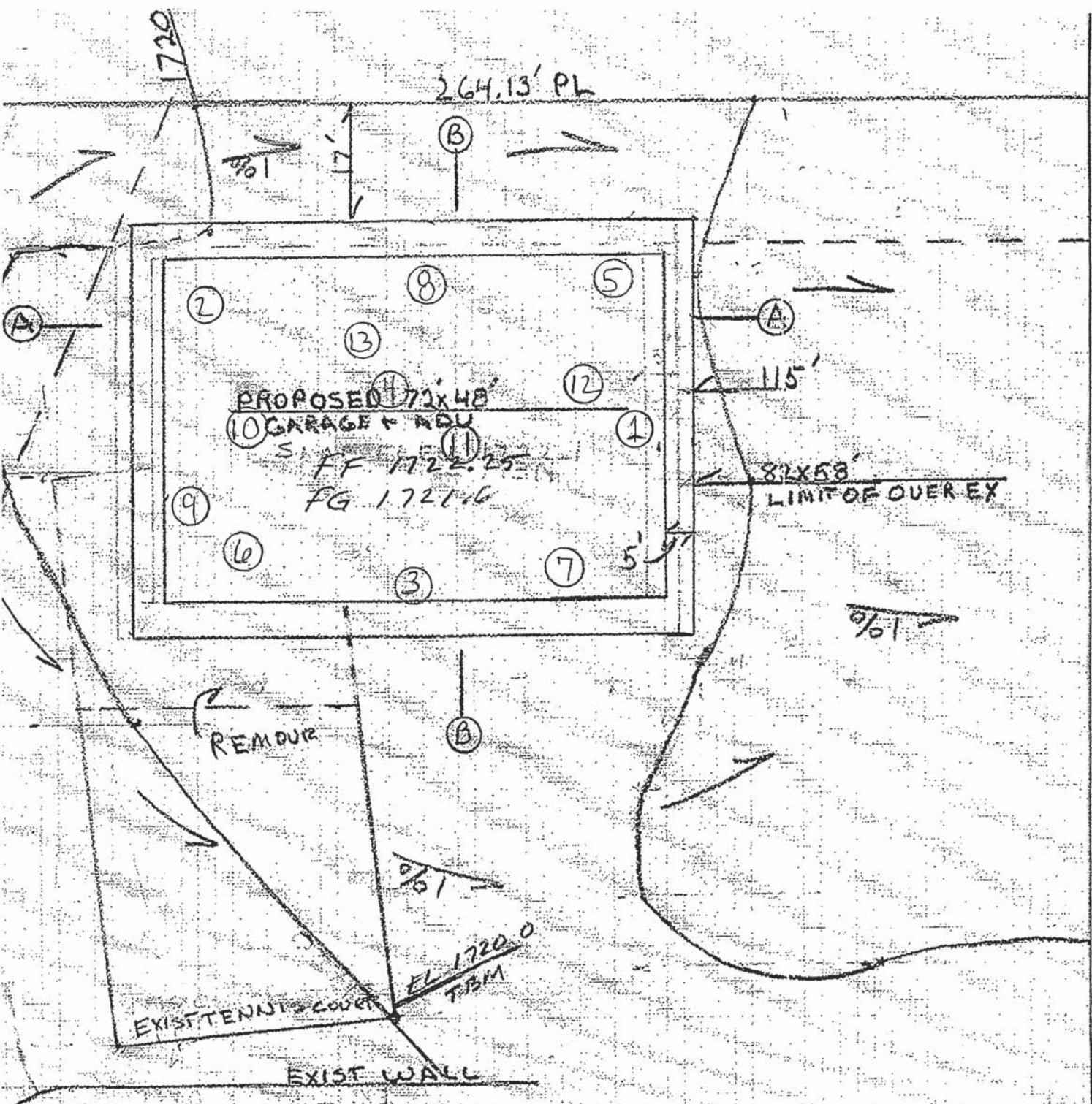

Ryan D. Duke, P.E.
RDD/mes



Dist: 4-client

APPENDIX A

PLOT MAP



APPENDIX B

**SUMMARY OF COMPACTION TESTS
AND LABORATORY TEST DATA**



**MAXIMUM DENSITY/OPTIMUM MOISTURE DETERMINATION
(ASTM D 1557)**

Soil Description	Maximum Density	Optimum Moisture	Sample I.D.
Moderate brown slightly silty fine to coarse sand with # 4-1" gravel (SM)	134.0 pcf	8.5 %	1
Soil Description	Maximum Density	Optimum Moisture	Sample I.D.
Dark brown slightly silty fine to coarse sand with # 4 gravel, occ. 1/2" gravel (SM)	132.0 pcf	7.5 %	2