	<p align="center">CITY OF AGOURA HILLS BUILDING & SAFETY DIVISION 30001 LADYFACE COURT AGOURA HILLS, CA 91301</p>	EMAIL: Permits@AgouraHillsCity.org PHONE: (818) 597-7334 www.AgouraHillsCity.org	
<p align="center">GEOTECHNICAL REPORTS QUESTIONNAIRE</p>		FO-16	3-1-23

A Geotechnical report is required if the answer to ANY of the following questions is “YES” for Single Family Dwellings and Duplexes.

Check the appropriate box:


	<u>NO</u>	<u>YES</u>
1. Is the proposed new light-frame 1-story structure or addition > 1000 sf?	<input type="checkbox"/>	<input type="checkbox"/>
2. Is the project a new light-frame 2-story or more structure and >1000 sf?	<input type="checkbox"/>	<input type="checkbox"/>
3. Is the proposed 2 nd story addition > 500 SF, or >50% of the existing floor area or valuation?	<input type="checkbox"/>	<input type="checkbox"/>
4. Is a basement proposed for the project? (CBC 1803.5.11)	<input type="checkbox"/>	<input type="checkbox"/>
5. Is the project located in the Liquefaction Zone, Flood Zone, Alquist-Priolo earthquake fault Zone? (CBC 1803.5.4, CBC 1804.5, CBC1803.5.11,)	<input type="checkbox"/>	<input type="checkbox"/>
6. Is the lot/land where the structure is to be built located in the Hillside designated zone or has a slope of 10% or more? (CBC 1803.5.10)	<input type="checkbox"/>	<input type="checkbox"/>
7. Is the foundation system non-conventional? (CBC1803.5.5)	<input type="checkbox"/>	<input type="checkbox"/>
8. Is the structure supported by proposed fill? (CBC 1803.5.8)	<input type="checkbox"/>	<input type="checkbox"/>
9. Is soil classification, strength or compressibility of soil in doubt? (CBC 1803.5.2)	<input type="checkbox"/>	<input type="checkbox"/>
10. Is the retaining wall > 6 ft. high, measured from the bottom of the footing, not supported on proposed fill; or not supporting, surcharging, or surcharged by other structures	<input type="checkbox"/>	<input type="checkbox"/>

If the answer to any of these questions is found to be inaccurate or false during plan check or field inspection, a soils report will be required and plans will need to be corrected and resubmitted by the applicant for review.

Signature _____ Date _____

Note: Although a geotechnical report may not required, a field memo by a soils engineer is required for verification of competent bearing material for the bottom of foundation inspection.

Per CBC 1803.5.2, the Building Official is authorized to require that a geotechnical investigation be conducted.

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PURPOSE

To provide a guideline for requiring a soil investigation report for detached one- and two-family dwelling projects being submitted for plan review.

Note: Where a geotechnical report is not required, the foundation design shall meet the minimum building design requirements for expansive soils. A field memo by a soil engineer may be required for verification of competent bearing material for the bottom of foundation inspection.

Soils Reports are required for all projects with exceptions below:

A. One and two-dwelling residential structures- Group R-3, R-3.1, and R-4 and U Occupancies

1. **New one-story or two-story** light frame structures less than 1000 SF and
 - Not supported on proposed fill,
 - Not on hillside lot, and
 - Not located in Liquefaction Zone, Flood Zone, or Alquist-Priolo earthquake fault Zone.
2. **Additions of one-story** light frame structures less than 1000 SF and
 - Not supported on proposed fill,
 - Not in hillside lot, and
 - Not located in Liquefaction Zone, Flood Zone, or Alquist-Priolo earthquake fault Zone.
3. **Additions of second story** light frame structures not exceeding the least of 50 % of the value of the structure, or 50% of the floor area of the structure, or 500 SF; and
 - Not supported on proposed fill,
 - Not in hillside lot, and
 - Not located in Liquefaction Zone, Flood Zone, or Alquist-Priolo earthquake fault Zone.

Note: Where a geotechnical report is not required, the foundation design shall meet the minimum building design requirements for expansive soils.

MINIMUM EXPANSIVE SOILS MITIGATION MEASURES

1. Concrete slab shall be a minimum of 4 inches thick.
2. Slab shall be reinforced with #4 bars at 16 inches on center each way.
3. Slab reinforcement shall be doweled a minimum of 6 inches into the footing.
4. Continuous footings shall be provided with a minimum of 2-#4 top and bottom bars.
5. Footings shall be embedded a minimum of 18/24 inches into natural competent materials.
6. Footings shall be designed for a maximum allowable soil pressure of 1,500 psf.

B. Retaining Walls Exceptions:

Cantilever retaining wall less than 6 ft high measured from the bottom of the footing and

- Not supported on proposed fill,
- Not supporting, surcharging, or surcharged by other structures, and
- Not located in City Liquefaction Zone, Flood Zone, or Alquist-Priolo earthquake fault Zone.