



Land Use Services Department

Building & Safety Division

Application for Alternate Materials & Methods of Design and Construction Residential Foundation Design / Soil Classification

PROJECT ADDRESS:		PERMIT NUMBER:	
PETITIONER (Print Name): Relation to the project (check one): ☐ Architect of Record ☐ Engineer of Record ☐ Designer of Record ☐ Owner ☐ Contractor Street Address: Daytime Phone: () -		STRUCTURE INFORMATION Use: Occupancy Class: Construction Type: No. of Stories: Fire Sprinklered: Yes No	
Email (Please print):		Architect/Engineer seal & signature	
Email (Please print):		Alternate Contact Name & Phone Number:	
REQUEST: Provide a brief description of the alternate material or method being proposed. (You may attach additional documentation if necessary, but this section must be completed)			
Request to conduct a site specific soils classification with a site visit in lieu of preparing a preliminary soils			
Investigation per 2025 CRC Section 401.4.			
Code Section(s):		Issue(s):	
JUSTIFICATION: Explain how the alternate meets the intent of the applicable code sections while maintaining equivalent protection in suitability, strength, effectiveness, fire resistance, durability, safety and sanitation (as applicable). Include any relevant practical difficulties for strict compliance. (You may attach additional documentation if necessary, but this section must be completed)			
I am a licensed design professional in the State of California.			
I have visually inspected the soils at the project site and have determined the soils classification to be: ☐ Clay, sandy silty clay, clayey silt, silt and sandy siltclay (CL, ML, MH and CH). ☐ Sand, silty sand, clayey sand, silty gravel and clayey gravel (SW, SP, SM, SC, GM and GC). ☐ Sandy gravel and/or gravel (GW and GP). ☐ Sedimentary and foliated rock. ☐ Crystalline Bedrock. (Reference 2019 CRC Table R401.4.1)			
Based on my visual inspection and soils classification, I propose the following maximum structural design values: soil bearing pressure = 1500 psf, lateral passive pressure = 150 psf/ft, soil friction coefficient = 0.25.			
Minimum footing size shall be per 2025 CRC Section R403.1.1.			
Continuous footings shall have a minimum of 1-#4 rebar, continuous top and bottom.			
Slab shall have a minimum reinforcement of #3's @ 24" O.C., or 6x6-1.4/1.4 wire mesh conforming to ASTM A185.			
The site is located in a non-geological hazard zone and expansive soils and liquefaction are not present on site.			
Petitioner's Signature:		I Title:	I Date: I I

2 of 2