



777 Cypress Ave.  
Redding CA 96001  
(530) 225-4013 – Fax (530) 225-4360

## CARR FIRE BUILDING PAD AND FOUNDATION REQUIREMENTS

### INITIAL REQUIREMENTS

- Prior to the start of any earthwork, the project owner or contractor shall secure the services of a City of Redding approved Special Inspection/Testing company. See attached list of City of Redding approved companies. .

### REQUIREMENTS PRIOR TO FOOTING EXCAVATIONS

- The depth of disturbed soils within the building pad area shall be identified by the Special Inspection/Testing company prior to any earthwork activities, or footing excavations.
- If compacted fill is desirable to restore lot and building pad integrity, disturbed or otherwise unsuitable materials within the building pad area shall be removed and replaced with suitable materials in compliance with this document, or by the recommendations of a licensed Geotechnical Engineer.
- If compacted fill will not be placed on site, footing excavations shall extend to firm, unyielding materials as determined suitable by the Special Inspection/Testing company by visual inspection and probing.
- All earthwork activities shall be performed in compliance with the City of Redding Grading Design Standards, and this document. See attached City Standards.
- All earthwork activities shall be monitored and tested by the approved Special Inspection/Testing company on a basis adequate to verify compliance with the City of Redding Grading Design Standards, and this document. Testing frequency as required by the City of Redding Grading Design Standards shall be modified to include a minimum of two Nuclear Density Tests per building pad.



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### REQUIREMENTS FOR MATERIALS IMPORTED FOR EARTHWORK CONSTRUCTION

- Any soil imported to be used for fill within the building pad area shall be approved by the Special Inspection/Testing company retained for the project prior to delivery of materials to the job site. Imported soils shall meet the following requirements:
  - Shall meet the required minimum bearing capacity of 1,500 psf, or greater if required by the project design engineer
  - Shall be non expansive
  - Shall be well graded
  - Shall be free of organic or deleterious materials
  - Shall have no rock or similar irreducible materials in excess of 8 inches. Any materials used in the top 24” of compacted fill shall have no rock or irreducible materials larger than 3”.

### REQUIREMENTS UPON THE COMPLETION OF EARTHWORK

- If compacted fill is placed on site, an Earthwork Observation and Compaction Testing Summary stating compliance with this document shall be submitted and approved by the City of Redding Building Division prior to footing inspection or placement of concrete.. Once approved, a copy stamped by the City of Redding Building Division shall be kept in the project permit package and made available for the City of Redding Building Inspector at the time of the foundation inspection.
- Prior to the placement of concrete forms, footing excavations shall be inspected and approved by the Special Inspection/Testing company. A daily field report stating excavations have reached firm and unyielding materials based on visual inspection and probe testing shall be left on site and made available for the City of Redding Building Inspector at the time of the foundation inspection.
- Alternate materials or methods of construction not included in this document shall be approved by the City of Redding Building Department prior to the start of any work.

Attachment: City of Redding approved Special Inspection/Testing companies

City of Redding  
 Building Inspection Division  
 Recognized Special Inspection & Testing Agencies

AGENCY NAME	HQ ADDRESS	PHONE NO.	W	B	RC	SM	T	A	GE	MI
CGI Technical Services, Inc.	1612 Insight Place Redding, CA 96003	(530) 244-6277		X	X	X		X	X	X
Mid Pacific Engineering	2915 Innsbruck Drive, STE A Redding, CA 96003	(530) 246-9499	X	X	X	X		X	X	X
ELS Inspections	P.O. Box 494850 Redding, CA 96049	(530) 515-3438	X							
Pavement Engineering	20260 Skypark Drive Redding, CA 96002	(530) 224-4535							X	
Terracon Consultants	50 Goldenland Court, STE 100 Sacramento, CA 95834	(916) 928-4690	X	X	X	X		X	X	X
Krazan & Associates	4320 Orange Avenue, Suites Grove E-F, Sacramento, CA 95841	(916) 564-2200	X	X	X	X		X	X	X
Moore Twining Associates, Inc.	2527 Fresno Street Fresno, CA 93721	(800) 268-7021	X	X	X	X		X	X	X

Key Description: W- Welding B-Bolting RC – Reinforced Concrete SM – Structural Masonry  
 T – Timber (Trusses, Eng. Wood) A – Anchors ( Mechanical, Adhesive) GE – Soils MI – Miscellaneous (Piles, Piers, Etc)