**COUNTY OF LOS ANGELES**

**DEPARTMENT OF PUBLIC WORKS**

**BUILDING AND SAFETY DIVISION**

*“To Enrich Lives Through Effective and Caring Service”*

# CERTIFICATION OF THE CONDITION OF THE EXISTING FOUNDATION SYSTEM IN A FIRE DAMAGED STRUCTURE

This form is to be submitted with the building permit application to repair or reconstruct a fire damaged structure where the existing foundation is to be reused when the existing foundation and the soil immediately adjacent to the foundation was exposed to fire. Foundation shall include footings, piers, grade beams, retaining walls and any other concrete or masonry elements that support the building. This form must be completed by a California licensed civil or structural engineer who is knowledgeable in fire damaged concrete.

|  |  |
| --- | --- |
| Property Address: |  |

Civil Engineer Performing Inspection

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Company Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

City: \_\_\_\_\_\_\_\_\_\_\_\_\_ Zip: \_\_\_\_\_\_\_ Telephone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Foundation Inspection
2. Condition of concrete (color)

[ ]  Normal concrete color,

 Location(s):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[ ]  Tan,

 Location(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[ ]  Grey,

 Location(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[ ]  Buff,

 Location(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Deformation or cracks found

[ ]  Yes [ ]  No

1. Further evaluation required?

[ ]  No

[ ]  Yes. Recommend a type of test to be performed

 [ ]  Schmit Hammer

 [ ]  Suniscope

 [ ]  Others (Attach test results to this form)

1. Type of Footing

[ ]  Isolated spread footing

[ ]  Continuous wall (Spread or ‘T’)

[ ]  Pier & Grade Beam

[ ]  Retaining wall

1. Depth of footing (Spread or ‘T’ Footing)

[ ]  Insufficient [ ]  Sufficient for:

 [ ]  1 Story

 [ ]  2 Story

 [ ]  3 Story

1. Width of Footing (Spread or ‘T’ Footing)

[ ]  Insufficient [ ]  Sufficient for:

 [ ]  1 Story

 [ ]  2 Story

 [ ]  3 Story

1. Condition of Footing

[ ]  Plumb [ ]  Out of Plumb

[ ]  Level [ ]  Rotated

|  |
| --- |
| Additional Observation / Comments: |
|  |
|  |
|  |

1. Geotechnical Inspection

Slope Stability

[ ]  No Slope (Flat)

[ ]  Existing Slope, 1 vertical to \_\_\_\_\_\_ horizontal

[ ]  Stable

[ ]  Unstable (visible signs of erosion exist)

|  |
| --- |
| Additional Observation / Comments: |
|  |
|  |
|  |

1. Recommendations and Conclusions

[ ]  No repairs appear to be required. The foundation is suitable for \_\_\_\_\_ stories.

[ ]  Recommend demolition of existing foundation and construction of a new foundation.

[ ]  The repairs described below are recommended.

|  |
| --- |
| Suggested repairs to foundation: |
|  |
|  |
|  |
|  |
|  |
|  |

1. The Following Information Shall Be Attached

[ ]  Scaled drawings of existing conditions, plan and sections.

[ ]  Photographs of existing conditions.

[ ]  Drawings to scale of proposed repair or correction.

[ ]  Test report (Where tests are performed)

1. Civil Engineer’s Certification

I certify that the field inspection necessary to complete this form was performed by myself and I am knowledgeable and experienced in inspection of fire damaged concrete. I also certify to the best of my professional knowledge, that the information and recommendations on this form was based upon acceptable engineering and practice.

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Professional Engineer Stamp & Signature