**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