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|  | BUILDING DEVELOPMENT POLICIES AND PROCEDURES RESIDENTIAL INSPECTIONS ELECTRICAL | Effective Date: August 15, 2009 |
| | | Supersedes Policy Dated: N/A |
| | 4.3.3 Concrete Encased Electrode Inspection | Issued by: Eric M. Mays, P.E.  Building Official |

The purpose of this policy is to establish the process for inspection of concrete encased electrodes. There are three options for inspection of a concrete encased electrode:

1. [Third Party Building Inspection Certification Program \(Policy 1.16\)](#)

If the concrete encased electrode is installed as described in the National Electric Code or the International Residential Code, it may be certified by an approved Third Party engineer or architect at the time of the building footing inspection. The Prince William County [Building Inspection Certification Form](#) provides fields to document the inspection. The completed [Building Inspection Certification Form](#) is to be available at the time of the Electrical Service Inspection. If the Electrical Service Inspection is scheduled in advance of the Close-In Inspection, the County Inspector will sign off on the Certification and return the Certification to the superintendent to be submitted during the Close-In Inspection.

2. [Electrical and Plumbing Inspection Certification Program \(Policy 1.6.3\)](#)

If a Master Electrician is the permit holder and installs a concrete encased electrode as described in the National Electric Code or the International Residential Code, the Prince William County [Electrical and Plumbing Inspection Certification Program](#) may be used. The [Electrical and Plumbing Certification Form](#) provides fields to document the inspection and is to be submitted to the County Inspector during the Electrical Service Inspection.

3. County Inspection

The Building Construction Inspection Branch may conduct the Grounding Electrode Inspection prior to the placement of concrete.

Attachments/Hyperlinks:

- [Policy 1.16 Third Party Building Inspection Certification Program](#)
www.pwcgov.org/PP116
- [Building Inspection Certification Form](#)
www.pwcgov.org/eBuildingDevelopmentForms/forms/BuildingInspectionCertification.pdf
- [Policy 1.6.3 Electrical and Plumbing Inspection Certification Program](#)
www.pwcgov.org/government/dept/development/bd/Documents/10643.pdf
- [Electrical and Plumbing Inspection Certification Form](#)
www.pwcgov.org/eBuildingDevelopmentForms/forms/ElectricalPlumbingCertification.pdf