

**CHESTERFIELD COUNTY FOOTING INSPECTION AND CONCRETE PLACEMENT REPORT  
(RESIDENTIAL)**

<b>ARE THE COUNTY APPROVED PLANS ON SITE?:</b>		<b>DESIGN ENGINEER:</b>
<b>DATE:</b>	<b>WEATHER:</b>	<b>PERMIT #:</b>
<b>LOT #:</b>	<b>SUBDIVISION:</b>	

**ADDRESS:**

<b>GENERAL CONTRACTOR:</b>	<b>CONCRETE CONTRACTOR:</b>
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<b>SLUMP ON BATCH TICKET:</b>	<b>DESIGN COMPRESSIVE STRENGTH:</b>	<b>MIX DESIGNATION:</b>
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<b>READY MIX SUPPLIER:</b>	<b>ADDITIVE BRAND NAME:</b>
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TRUCK #	CUBIC YARDS	AIR TEMPERATURE	CONCRETE TEMPERATURE	INITIAL SLUMP	QUANTITY OF WATER ADDED	SLUMP WITH WATER	QUANTITY ADDITIVE ADDED	SLUMP WITH ADDITIVE	# OF CYLINDERS CAST

<b>EXCAVATION DEPTH:</b>	<u>DESIGN</u>	<u>ACTUAL</u>	<b>EXCAVATION WIDTH:</b>	<u>DESIGN</u>	<u>ACTUAL</u>	<p align="center"><b>TO BE COMPLETED BY THE LICENSED DESIGN PROFESSIONAL:</b></p> <p>I HAVE REVIEWED OUR FIELD OBSERVATION RECORDS AND IT IS MY OPINION THAT THE INFORMATION ON THIS REPORT IS CORRECT AND THAT THE FOOTING WAS CONSTRUCTED IN CONFORMANCE WITH THE COUNTY APPROVED PLANS/ENGINEER'S DESIGN.</p>
	<b>MINIMUM FOOTING THICKNESS:</b>	<u>DESIGN</u>		<u>ACTUAL</u>	<b>TYPE &amp; EXTENT OF REINFORCEMENT:</b>	

**CONDITION OF TRENCH:**

CONCRETE ENCASED GROUNDING ELECTRODE INSTALLED AND INSPECTED:  YES  NO

LOCATION OF CONCRETE ENCASED ELECTRODE:

ADDITIONAL REMARKS:

<b>INSPECTOR ARRIVAL TIME:</b>	<b>INSPECTOR COMPLETION/ DEPARTURE TIME:</b>
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**INSPECTOR'S VDOT, ACI OR PROFESSIONAL REGISTRATION #:**

<b>INSPECTOR'S NAME: (PRINT)</b>	<b>DATE:</b>	<b>NAME OF LICENSED DESIGN PROFESSIONAL'S FIRM:</b>
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<b>THE INSPECTOR IS A MEMBER OF THE LICENSED DESIGN PROFESSIONAL'S FIRM AND UNDER THE DIRECT SUPERVISION OF THE LICENSED DESIGN PROFESSIONAL OR IS THE LICENSED DESIGN PROFESSIONAL:</b>	<b>YES</b>	<b>NO</b>
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<b>REVIEWED BY:</b>	<b>DATE:</b>	<b>APPROVED:</b>	<b>YES</b>	<b>NO</b>
<b>REVIEWER'S COMMENTS:</b>	<b>(FOR BUILDING INSPECTION OFFICE USE ONLY)</b>			

**MINIMUM SPECIFICATIONS FOR FOOTING CONCRETE:  
COMPRESSIVE STRENGTH  $\geq$  2500 PSI OR AS SHOWN ON THE APPROVED PLANS  
INITIAL MEASURED SLUMP SHALL BE WITHIN + 1" OF BATCH TICKET SLUMP**

1. An approved set of plans **must be on site during placement of concrete.** (ACI 318.1.3.2)  
  
approved set of plans shall be the plans stamped 'APPROVED FIELD SET' by the Building Inspection Department with the permit number thereon.
2. The inspector shall enter the permit number on this inspection report.
3. The inspector shall witness the entire placement. (ACI 318.1.3.1)
4. Concrete batch tickets shall be provided to the inspector for completion of the appropriate portions of this inspection report.
  - a. Concrete which cannot be discharged within 90 minutes from initial introduction of mixing water shall be rejected. (ACI 318.5.8.2, ASTM C-94 11.7)
5. Each truckload of concrete shall be tested for slump in accordance with ASTM C-143 procedures.
  - a. Initial slump shall not exceed + 1" of design slump indicated on batch ticket.
  - b. When initial slump measures below the design slump by 1" or more, water may be added to increase the slump to, but not exceed, 1" above the design slump on the batch ticket. Water shall not be added to concrete when initial slump measures less than 1" below the design slump on the batch ticket. When slump after addition of water exceeds the design slump on the batch ticket by more than 1", or water in excess of 1 gallon per yard of concrete has been added, cylinders shall be cast in accordance with #6 below.
  - c. When water is added to concrete in circumstances other than 5(b) above, cylinders shall be cast in accordance with #6 below and the general contractor shall be warned about his responsibility for verifying minimum compressive strength.
  - d. For concrete with a field added plasticizer, slump testing shall be performed prior to the addition of the plasticizer and the quantity of plasticizer added shall be indicated on this form.
  - e. For concrete to which a low or mid-range plasticizer has been added, slump shall not be more than 8". This applies to plasticizers such as Master Builders 'POLYHEED.'
  - f. For concrete to which a high range plasticizer ("Super-Plasticizer") has been added at the plant, visual observations shall verify proper consolidation and consistency of the concrete mix. The inspector shall note such observations on this report in the 'Additional Remarks' portion. Slump as indicated on the batch ticket shall not exceed the maximum recommended by the ad-mixture manufacturer. The design slump on the batch ticket shall be recorded in the "Initial Slump" column. This applies to high range plasticizers such as, but not limited to, W. R. Grace "WRDA-19," W. R. Grace "DARACEM 100," Master Builders "POZZOLITH 440-N" and Master Builders "RHEOBUILD 1000."
  - g. Water shall not be added to concrete to which a plasticizer has already been added.
6. When cylinders are required to be cast, they shall be molded and cured in accordance with ASTM C-31 and shall be tested for compressive strength in accordance with ASTM C-39. This placement report shall not be approved until the cylinder test results are reviewed and signed by a registered design professional and copies of such test results are submitted to the Building Inspection Office and the general contractor.
7. The footing excavation shall be observed to determine if remedial work is necessary in order to receive the concrete (i.e. removal of mud, loose earth, snow, water, etc.) All remedial work done by the contractor shall be noted in the "Additional Remarks" section of this inspection report. The inspector shall indicate that the footing excavation meets the requirements of the code in the "Condition of Trench" section of this report (i.e. free of soft spots, has adequate bearing, meets the engineer's footing design, etc.).
8. For both DESIGN and ACTUAL conditions, the minimum depth of the footing trench at the time of concrete placement, the minimum footing width, the minimum footing thickness, and a general description of the type and extent of reinforcement in place shall be recorded on this form in the appropriate sections (i.e. '48" deep,' '24"wide,' '10" thick,' '2 #4's continuous throughout footing'). When walk-out or partial basements are provided, the minimum trench depth from grade for the shallowest portion of the footing shall be indicated. Additionally, remedial actions taken by the contractor during the placement and/or 'unusual' or 'special' circumstances encountered during the placement shall be noted in the "Additional Remarks" section of this inspection report. Any inconsistency or exceptions to the requirements of ACI 318 shall be noted by the inspector in the "Additional Remarks" section of this inspection report.
9. Any discrepancies from the engineer's design shall be noted in the "Additional Remarks" section of this inspection report.
10. At a minimum, inspectors shall be certified as an ACI Field Testing Technician, Grade 1. Inspectors shall print their name, enter the date the inspection was performed and enter the name of the Licensed Design Professional's firm on this inspection report upon its completion. Inspectors shall provide the contractor with the "Contractor's Copy" of this report.
11. This form shall be filled out completely, without omissions, and shall be reviewed, signed and sealed by a Virginia Registered Design Professional (i.e. engineer or architect).
12. On the form, the Inspector shall indicate the presence of a concrete encased grounding electrode and its general location, such as "center rear", "rear of garage", "right side center", etc. Where provided, the electrode shall be installed in accordance with section 250-52(A)(3) of the National Electrical Code.
13. The Building Inspection Department will not approve the framing inspection before this concrete inspection report has been received and approved.