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## City of Geneva Cold Weather Concrete Policy

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Below are the applicable requirements for concrete construction during cold weather in the City of Geneva.

For the purpose of this issue, "Cold Weather" is defined by the American Concrete Institute ACI 306 as a period when, for more than 3 consecutive days, the following conditions exist:

- The average daily temperature is less than 40° F
- The air temperature is not greater than 50° F for more than ½ of any 24 hour period
- No frost or frozen ground permitted in areas being poured

The average temperature is derived by using the highest and lowest recorded temperature from midnight on day one to midnight on day two.

The regulations we are enforcing are the result of an evaluation of ACI 306 and it has been determined that these regulations, as written, are in conformance with ACI 306. To insure that we consistently protect all conditions, the following shall be the requirements for the application of concrete in the City of Geneva.

- **FOOTINGS** shall only be poured on dry soil that is not frozen and only when the ambient temperature is above 20° F and rising. Poured concrete shall be protected in the forms for not less than 48 hours from the time of the pour by means of insulated blankets. **The inspection for the pour shall occur the day of the pour.**
- **FOUNDATION WALLS** shall be poured only when the ambient outdoor temperature is at least 20° F and rising. Forms shall be left on the walls for a period of not less than 72 hours from the time of the pour. Walls shall be protected by the use of insulated blankets for the same 72 hour period. **All pours shall be done the day of the inspection.**
- **SLABS/FLAT WORK** shall be poured only where the slab is enclosed by a structure and the structure is heated and vented properly to a minimum of 50° F. **All pours shall be done the day of the inspection.**