

October 10, 2023

File: 0552-001 Bulletins

Engineering Bulletin #009
2023 Cold Weather Concrete

Please be advised that after October 15, 2023, all concrete placed in the City of Beaumont, Capital Work projects, or private development construction, must conform to the Cold Weather Concrete specifications. The specifications are set out in Section 2.0 Surface, sub-item 2.2.3.6 of the City of Beaumont March 2021 General Design Standards:

2.2.3.6 Cold Weather Concrete Install

From October 16 (or earlier as determined by Engineering Services based on weather conditions) to the end of construction season as defined by the Engineering Services, all classes of concrete placed after October 15 shall attain a minimum compressive strength of 27.0 MPa in 7 days and shall be provided with cold weather protection to clause 7.4.2.5.3, CAN/CSA A23.1.

High early strength concrete shall attain a minimum compressive strength of 30.0 MPa in 7 days and shall be provided with cold weather protection to clause 7.4.2.5.3, CAN/CSA A23.1 (type 2 curing). This cold weather protection must be adequate to maintain concrete surface temperatures at a minimum of 10°C for a period of 7 days following placement.

When the air temperature is below 5°C provision shall be made to ensure concrete temperatures do not fall below 10°C for a period of 7 days.

Please contact the Engineering team at engineering@beaumont.ab.ca with any questions or concerns.

Yours truly,



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