



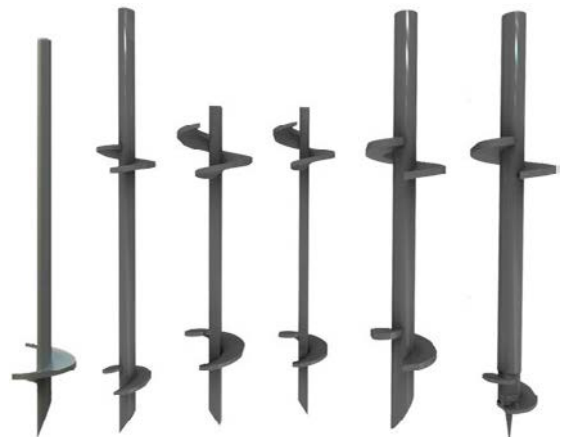
## ACCEPTANCE OF AUGERED PILES

Augered piles, also referred to as screw piles and helical piles, have limited applications. The Table and its associated notes below demonstrate the City of Winnipeg requirements when augered piles are used for foundations:

REQUIREMENTS FOR AUGERED PILE INSTALLATIONS					
APPLICATION	TYPE OF CONSTRUCTION	CCMC EVALUATION <sup>(1)</sup>	SEALED PLANS <sup>(2)</sup>	ENGINEER'S CERTIFICATION <sup>(3)</sup>	GEOTECHNICAL REPORT <sup>(4)</sup>
Housing <sup>(5)</sup> Applications w/ maximum 300 ft <sup>2</sup> structure & 5000 lbs./pile	3- & 4-Season Sunrooms <sup>(6)</sup>	✓ <sup>(7)</sup>	✓	X	X
	Carports <sup>(6)</sup>				
	Porches <sup>(6)</sup>				
	Decks	✓ <sup>(7)</sup>	X <sup>(8)</sup>		
	Ramps				
All Other Applications <sup>(9)</sup>	All types of construction	✓	✓	✓	✓

**NOTES:**

- (1) Notwithstanding Note (7), augered piles must be CCMC evaluated in cohesive soils and must bear the CCMC evaluation number, and manufacturer's identification (including model). Installation must be carried out in conformance with the CCMC evaluation's "conditions and limitations."
- (2) "Sealed Plans" are drawings sealed and signed by a Professional Engineer licensed to practice in the Province of Manitoba. They must indicate the manufacturer, model number and capacity of the piles.
- (3) "Engineer's Certification" is a letter of certification for the foundation provided and sealed by the foundation design engineer. (See [acceptable wording](#) for engineer's letter of certification.)



Issued by:

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- (4) A geotechnical report must be a site-specific engineering report, sealed and signed by a Professional Engineer licensed to practice in the Province of Manitoba. The structural design shall be in keeping with the recommendations of the report.
- (5) "Housing," for the purposes of this bulletin, refers to single dwellings, duplexes and row housing.
- (6) The 3- and 4-season sunrooms, carports and porches refer to single-storey structures only.
- (7) CCMC Evaluation is exempt for augered piles manufactured by Groundhog, Wilson Anchor, Griffin Ground Anchor and Earthworm until January 1, 2017 when used in housing applications where the structure size is less than 27.9 m<sup>2</sup> (300 ft<sup>2</sup>) and loading does not exceed 22 kN (5,000 lbs.) per pile.
- (8) Augered piles used for supporting concentrated loads from uncovered, single storey decks and ramps in housing applications where the structure size is less than 27.9 m<sup>2</sup> (300 ft<sup>2</sup>) and loading does not exceed 22 kN (5,000 lbs.) per pile do not require sealed plans to be submitted.
- (9) "All other applications" refers to any structure used in a housing application that exceeds the size and loading limitations indicated in the Table and in Note (6) and any structure used in a commercial application.

**AFTER JANUARY 1, 2017, ALL AUGERED PILES MUST HAVE CCMC EVALUATION REPORTS AND BEAR THE CCMC EVALUATION NUMBERS.**

The City of Winnipeg, in writing of this bulletin, does not endorse or advertise any products so referenced.