



Certificate of Compliance

Certificate: 70055917

Master Contract: 260881

Project: 70055917

Date Issued: March 2, 2016

Issued to: **Diamond Precast Concrete Ltd.**
7520 Conrad Street,
Burnaby, BC, V5A 2H7
Canada
Attention: Mr. Jed Friesen, President

The products listed below are eligible to bear the CSA Mark shown



Issued by: *Justin Billey*
Justin Billey Justin Billey

PRODUCTS

CLASS - C808306 - PRECAST CONCRETE – Reinforced Circular Manhole Sections and Catch Basins-
Certified to ASTM Standards for Canada

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

Certification of prefabricated circular reinforced concrete manhole sections and catch basins including the followings:

- 1) **Grade rings** used for final adjustment of manholes to grade;
- 2) **Flat slab tops** used in the construction of manholes for use in sewer, drainage, and water works;
- 3) **Risers and Conical Tops** used in construction of manholes for use in sewer, drainage, and water works;
- 4) **Base Sections** used in the construction of manholes used in sewer, drainage, and water works; and
- 5) **Steps and Ladders** used for providing access through manholes for use in sewer and water works.

CSA certification covers the manufacturing and performance requirements of products used for the assembly and construction of circular vertical precast reinforced concrete manholes and structures used in sewer, drainage, and water works under the following conditions:

- a) This certification program covers the manufacturing requirements in the factory and does not include requirements for site backfill, or the relationship between field load conditions and the strength requirements of the manhole & catch basin products and appurtenances.
- b) This certification program does not include certification to CSA A257 Standard.



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- c) This certification program does not include concrete pipes.
- d) Some provinces in Canada reference ASTM standards as the compliance standards for these products, this report covers certification in Canada for the ASTM standards referenced below.

APPLICABLE REQUIREMENTS

ASTM Standard C478M – Standard Specification for Circular Precast Reinforced Concrete Manhole Sections
ASTM Standard C139 – Standard Specification for Concrete Masonry Units for Construction of Catch Basins and Manholes

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

Individual circular reinforced concrete manhole sections and catch basins shall be legibly marked with the following information, in a permanent manner, either on the product or on a tag attached to the product, or on the documentation accompanying the product (provided the latter is cross-referenced with the documentation), or by any other means acceptable to CSA Group:

- 1) Manufacturer's name, trade name, trademark, or CSA file number;
- 2) Specification and product designation: MH for manhole base, riser, conical tops, and grade rings;
- 3) Date of manufacturing; and
- 4) CSA Mark.

Marking shall be indented into the concrete at the time of manufacturing or shall be painted thereon with waterproof paint or ink. Certain jurisdictions in Canada require the use of French language in markings. It is the responsibility of the manufacturer to determine where this is required



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
70055917	March 2, 2016	Certification of Reinforced Circular Manhole Sections and Catch Basins, Certified to ASTM Standards for Canada