



## **MANHOLE CHANNEL SIZING**

This Bulletin is issued to provide clarity to both the development industry and City of Calgary staff with respect to the definition of acceptable manhole channel sizing. Without delay, the following specification shall be applied:

- All half pipe **main channels** are to equal the outgoing pipe diameter as per the approved engineering drawings. Where the diameter dimensioned on the engineering drawing cannot be supplied or constructed, the channel may be accepted at the diameter of one pipe size larger as a maximum at the discretion of the Engineer.
- All half pipe **intersecting branch channels** are to equal the diameters of the pipe noted on the approved engineering drawings. Where the diameter dimensioned on the engineering drawing cannot be supplied or constructed, the channel may be accepted at the diameter of one pipe size larger as a maximum at the discretion of the Engineer.

Benching that fails to meet the above requirements will be rejected by City of Calgary - Water Resources Inspections at CCC/FAC inspection and shall be the responsibility of the Developer to rectify.

It is understood that in specific circumstances, further relaxation may be required for manholes that include intersecting channels that vary from 90 degrees of the outgoing. Relaxation of the specifications shall be considered on a case-by-case basis in these situations.

Non-conforming Manhole benching already installed and involved in FAC inspections will be evaluated on a case by case basis and exemptions granted or repairs required based on direct observation by City of Calgary staff at the discretion of the Engineer.

The Sewer Construction Standard Specifications will be updated to include the above noted acceptable channel sizing requirements in the 2015 revision. This information will also be directly communicated to the pre-cast industry in writing, upon release of this Bulletin.

For questions related to the above, please contact Edgar Vargas, Technical Coordinator, Water Resources, at 403-268-4080 or at [edgar.vargas@calgary.ca](mailto:edgar.vargas@calgary.ca).