

**408 MUNI CONSTRUCTION SPECIFICATION FOR ADJUSTING OR REBUILDING
MAINTENANCE HOLES, CATCH BASINS, DITCH INLETS AND VALVE
CHAMBERS**

408.05.04 Steps and Ladders

ADD in the following:

Only circular or hollow aluminum steps shall be permitted.

408.05.05 Adjustment Units

DELETE the second and third paragraphs.

ADD in the following:

Coning bricks for circular structures and bricks for rectangular structures shall be hard burned clay with low absorption qualities suitable for exterior application, and shall conform to C.S.A. Standard A82.1.

ADD in the following subsection:

408.05.10 Structure Adjustment Shims

High density Polyethylene shims of varying thickness (3 mm to 25 mm) may be used between the structure's adjustment unit and the frame and cover/grate.

408.07.01 General

ADD in the following:

Surface paving operations shall be completed within 72 hours of adjusting structures to final elevation.

408.07.08 Adjusting

ADD in the following:

Adjustment shall constitute a vertical adjustment up or downwards, but not exceeding 300 mm from existing elevation. Rebuilt shall constitute a vertical adjustment up or down greater than 300 mm.

For structures requiring adjustment upwards, greater than 300 mm, the cone shall be removed and the structure shall be rebuilt.

When structure adjustment shims are used, the structure shall first be adjusted using adjustment units raising the structure level as close to the final grade as possible. The adjustment shims shall be placed on top of the adjustment unit and at each of the four (4) corners of the structure frame and cover/grate. A solid seal of mortar shall be placed around the shims between the adjustment unit and the frame and cover/grate.

408.07.08.02 High Density Polyethylene (HDPE) and Expanded Polystyrene (EPS) Adjustment Units

DELETE in its entirety.

408.07.08.03 Rubber Adjustment Units

DELETE in its entirety.

408.07.09.01 General

ADD in the following:

Any vertical adjustments greater than 300 mm shall be a rebuild.

408.09.01.01 Adjusting or Rebuilding Maintenance Holes, Catch Basins, Ditch Inlets and Valve Chambers

DELETE the first paragraph.

ADD in the following:

Measurement of rebuilt structures shall be by the vertical height greater than 300 mm measured from the finished grade to point where new portion of brick, cast-in-place or precast units connect to the original structure configuration, if a separate adjustment is required, the adjustment shall be counted separately.

Measurement of adjusted structures to a maximum of 300 mm shall be a count of the number of structures adjusted, when more than one adjustment is specified for a structure, each adjustment shall be counted separately.