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DIVISION: 15—MECHANICAL
Section: 15110—Valves

REPORT HOLDER:

CLEAN CHECK, INC.
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EVALUATION SUBJECT:

CLEAN CHECK EXTENDABLE BACKWATER VALVES

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2003 *International Plumbing Code*® (IPC)
- 2003 *International Residential Code*® (IRC)
- 2003 *Uniform Plumbing Code*™ (UPC)*

Properties evaluated:

Plumbing backwater valve

2.0 USES

Clean Check backwater valves are used in horizontal runs of the building sewer to prevent the reverse flow of wastewater into the structure. The valve's extendable access sleeve allows above-grade access to maintain the seat and to replace the valve disc.

3.0 DESCRIPTION

Clean Check's 3- and 4-inch-diameter (76.2 and 101.6 mm) polyvinylchloride (PVC) backwater valves, model numbers EBV-P301 and EBV-P401, respectively, satisfy the performance requirements of CSA B181.2. The factory kit consists of a valve body, disc, disc seat, and upper collar. The factory-supplied plastic materials conform to ASTM D 1784, cell classification 12454-B, and NSF 14.

Removal of the integral lifting device from a buried valve allows above-grade replacement of the disc assembly and reinstallation into the valve body. The integral lifting device is self-aligning, self-seating, and provided with an alignment indicator located within 12 inches (305 mm) of the upper access opening. See Figure 1 of this report.

4.0 INSTALLATION

A threaded plug, female adaptor and 6-inch-diameter (152.4 mm) pipe are supplied by others for use as the access sleeve and cover. The access sleeve is cut to length in the field and attached to the socket on the top of the valve body. This

forms the housing for the removable integral lifting device. The integral lifting device consists, in part, of a 4-inch-diameter (101.6 mm) pipe which is supplied by others. The 4-inch-diameter (101.6 mm) pipe is cut to length in the field, then joined to the disc assembly on the bottom and the collar on the top.

The manufacturer's published installation instructions shall be strictly adhered to and, if requested by the code official, a copy shall be maintained on the jobsite during installation. A copy of the maintenance instructions shall be left with the owner.

5.0 CONDITIONS OF USE

The Clean Check Extendable Backwater Valves described in this report comply with, or are suitable alternatives to those materials specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1** The access sleeve shall terminate above grade and shall have a maximum length of 12 feet (3658 mm).
- 5.2** Clean Check's Extendable Backwater Valves shall be installed on horizontal drainage systems with a uniform slope in accordance with the applicable code.
- 5.3** The valve opening shall be accessible for service and repairs in accordance with the applicable code. Accessibility shall include the vertical clearance necessary to remove the integral lifting device.
- 5.4** Evidence of compliance of the field-provided materials with the material specifications of the applicable code and NSF 14 shall be provided to the code official.
- 5.5** The valves are manufactured under exclusive contract for Clean Check, Inc., by Accurate Molded Plastics at their plant in Coeur d'Alene, Idaho, under a quality control program with inspections by Columbia Research and Testing (AA-527).

6.0 EVIDENCE SUBMITTED

- 6.1** Manufacturer's descriptive literature.
- 6.2** Data in accordance with the ICC-ES Acceptance Criteria For Backwater Valves (AC247), dated March 1, 2004.
- 6.3** A quality control manual.

7.0 IDENTIFICATION

The Clean Check Extendable PVC Backwater Valves shall each be marked with the company name (Clean Check, Inc.); the direction of flow; references to AC247 and NSF 14; the evaluation report number (ESR-1148); and the name or logo of the inspection agency (Columbia Research and Testing, AA-527).

*The *Uniform Plumbing Code* is a trademarked publication of the International Association of Plumbing and Mechanical Officials, 5001 East Philadelphia Street, Ontario, California 91761.



EXTENDABLE BACKWATER VALVE CLEAN CHECK, INC.

* Parts to be supplied by others

FIGURE 1