

ICC-ES Evaluation Report


ESR-5096

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DIVISION: 33 00 00— UTILITIES Section: 33 46 00— Subdrainage	REPORT HOLDER: 1-800-BUSY DOG BASEMENT TECHNOLOGIES INC.	EVALUATION SUBJECT: WATER TREK AQUA ROUTE®	
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1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021, 2018 and 2015 [International Building Code® \(IBC\)](#)
- 2021, 2018 and 2015 [International Residential Code \(IRC\)](#)

Property evaluated:

Foundation Drainage

2.0 USES

The Water Trek Aqua Route® is used to supplement the subsoil drainage system required in IBC Section 1805.4 and IRC Section R405.

3.0 DESCRIPTION

3.1 General:

The Water Trek Aqua Route system consists of 8-foot-long (2.44 m) extruded drainage drains and connectors which are used to connect the drainage channels and to the drainage pipe, which discharges ground-water to an approved area in accordance with the IBC or IRC, as applicable.

The Water Trek Aqua Route is manufactured from extruded polyvinyl chloride (PVC) compound. The components of the system are described in Sections 3.2 and 3.3.

3.2 Water Trek Aqua Route Drains

The Water Trek Aqua Route drains are 8 feet long (2.44 m), 3¹/₄ inches (82.5 mm) wide and 2 inches (50.8 mm) high.

Ground-water enters the drain through holes in the exterior vertical face of the drain and passes through the system to outlet fittings, which provide the connection of the Water Trek Aqua Route to an approved discharge area in accordance with the IBC or IRC, as applicable.

3.3 Water Trek Aqua Route Connectors

The straight connectors and the 90° corner connectors are manufactured with an interior taper or friction fit so that the drains are slip fit into the connectors, without the use of solvents or adhesives, to form the foundation drain system.

4.0 DESIGN AND INSTALLATION

The Water Trek Aqua Route system must be installed in accordance with the manufacturer's published installation instructions and this report. A copy of the manufacturer's published installation instructions must be available at the job site at all times during installation.

The Water Trek Aqua Route drain has a minimum flow capacity of 12 gallons per minute (45.4 liters per minute) per foot of the drain when installed with a minimum slope of 0.1%.

Discharge of the Water Trek Aqua Route system must be in accordance with IBC Section 1805.4.3 or IRC Section R405.1, as applicable.

5.0 CONDITIONS OF USE:

The Water Trek Aqua Route system described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 Installation must comply with this report, the manufacturer's published installation instructions and the applicable code. In the event of a conflict between the manufacturer's published installation instructions and this report, this report governs.
- 5.2 The Water Trek Aqua Route system must be designed as a supplement to the subsoil drainage system described in IBC Section 1805.4 and IRC Section R405.
- 5.3 Dampproofing and waterproofing shall be in accordance with IBC Section 1805.1 and IRC R406.

6.0 EVIDENCE SUBMITTED

- 6.1 Manufacturer's published descriptive literature and installation instructions.
- 6.2 Engineering calculations addressing water flow capacity of the Water Trek Aqua Route drain.
- 6.3 Quality documentation in accordance with [ICC-ES Acceptance Criteria for Quality Documentation \(AC10\)](#).

7.0 IDENTIFICATION

- 7.1 The ICC-ES Mark of Conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-5096) along with the name, registered trademark, or registered logo of the report holder must be included in the product label.
- 7.2 The report holder's contact information is the following:

1-800-BUSY DOG BASEMENT TECHNOLOGIES, INC.
POST OFFICE BOX 920624
NEEDHAM, MASSACHUSETTS 02492
(800) 287-9364
www.1800busydog.com