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INFILTRATOR®
systems inc.

MEMORANDUM

DATE: June 27, 2012

TO: Regulators, installers, and designers

FROM: Infiltrator Technical Services Department

RE: Use of stone in backfilling of Arc chambers - Addendum

The Arc 36, Arc 36 HC, and Arc 36 LP model plastic leaching chambers are approved for use by the Wisconsin Department of Safety and Professional Services under several different approval numbers. Each of these approvals requires that the chambers be installed in accordance with the manufacturer's recommended installation instructions, which are available on the Wisconsin Department of Safety and Professional Services web site.

The approved installation guidelines for the Arc chamber line do not include any reference to stone as backfill material. This memorandum is intended to address this issue.

The use of stone as a suitable backfill material is permissible for the Arc chamber series in Wisconsin. The Wisconsin Department of Safety and Professional Services agrees with this recommendation. When using stone as backfill for Arc chambers, its use shall conform to the following conditions:

- stone may be installed in the area alongside, and/or above, the chamber only. Stone shall not be installed on the infiltrative surface below the chamber void;
- use of a filter fabric is allowed, and shall be determined by the system designer and/or the system installer. Should filter fabric be utilized, the material shall:
    - be installed against the louvered sidewall area, and/or the top, of the chamber only, prior to installation of the stone media. Filter fabric shall not be installed on the infiltrative surface below the chamber void; and
    - be an approved filter fabric. Reference the Wisconsin Department of Safety and Professional Services product approval letter for filter fabric specifications.

If there are questions or concerns about the use of stone as backfill material with Arc chambers, please contact the Infiltrator Technical Services Department at 800-221-4436.

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