

# Installation Instructions for EZflow Systems in Mississippi



State of Mississippi Department of Health, Design Standard III Gravel Replacement Systems, EPS Aggregate Systems III-C, has given approval of **EZflow** 1003H/1003H-GEO system with 17% reduction and **EZflow** 1003T/1003T-GEO system with 25% reduction.

## Materials and Equipment needed

- **EZflow** Bundles
- **EZflow** Internal Pipe Couplers
- End Caps if needed
- Backhoe

## Installation Instructions

1. The **EZflow** 1003 consists of one 10-foot, four-inch corrugated pipe surrounded by a ten-inch bundle of polystyrene aggregate, with two 10-foot, ten-inch bundles of aggregate.

In cases where linear footage required is not in multiples of 10, the installer may (a) reduce the product to needed length and refasten the netting to the pipe or, (b) use an additional 10 feet of product to exceed the required trench length.

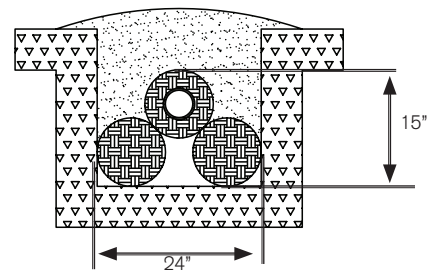
2. When installed in a trench, the trench should be dug to a minimum width of 12 inches up to a maximum of 36 inches. This not only saves labor in excavation, it also provides better load-bearing capacity after backfilling is complete.
3. The plastic stretch wrap should be removed before the ten foot long cylinders are placed in the trench(es).
4. If the soil backfill to be used is granular, cohesionless soil (such as fine dry sand), it may be desirable to place a barrier over the assembly to prevent the soil from infiltrating the system. This barrier may be of building paper or other approved cover material. Past experience with stone aggregate systems in this soil type should be used as a guide.
5. No attempt should be made to compact soils until the depth of cover over the assembly is at least six inches. Before this minimum cover, soil compaction is not possible and not desirable due to reduced permeability at the soil interface.
6. The top of the cylinder contains a filter fabric pre-manufactured in between the netting and aggregate. The fabric is inserted to prevent soil intrusion. The installer shall make sure that the fabric is on top and is in contact with the fabric contained in adjacent cylinder before backfilling.
7. The cylinders containing 4-inch perforated pipe are joined end to end with an internal coupling available from **EZflow**. The same internal coupler is used to start the trench, as it will slide inside the 4-inch PVC pipe.
8. As with any system intended to transport fluid by gravity, the bed for the system should be at a maximum permissible downward grade in the direction of intended flow. Where runs are short, such as between weep holes in a retaining wall, the bed may be constructed level. The bottom of the trench must be on grade.

9. After system has been completely covered, only drive across the trenches when necessary. Never drive along the trench lines. To avoid additional soil compaction, prevent any heavy equipment from driving across or along the trench lines.

Repeat steps 1 thru 9 for each required trench.

## Approved EZflow Products

1003T-GEO

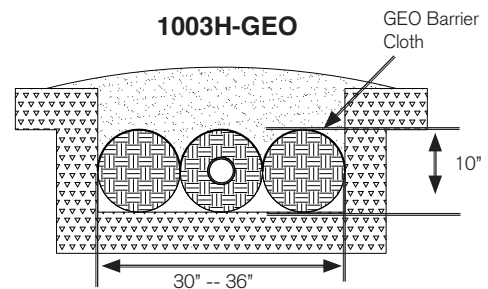


### Properties and Specifications for 1003T-GEO

|                       |     |
|-----------------------|-----|
| Overall System Height | 15" |
| Invert Height         | 8"  |
| Trench Width          | 24" |
| Min. Trench Depth     | 21" |
| Trench Modification   | 25% |

EXAMPLE: 300 sq ft. required.  
 $300 \times 0.25 = 75$  linear ft.

1003H-GEO



### Properties and Specifications for 1003H-GEO

|                       |        |
|-----------------------|--------|
| Overall System Height | 10"    |
| Invert Height         | 3"     |
| Trench Width          | 30-36" |
| Min. Trench Depth     | 16"    |
| Trench Modification   | 17%    |

EXAMPLE: 300 sq ft. required.  
 $300 \times 0.17 = 51$  linear ft.



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