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# GLS

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## GRAVEL-LESS LEACHFIELD SYSTEMS

Available in 8" and 10" diameters



**Lightweight • Eliminates costly gravel • No messy gravel residue**  
**Less excavation required • Fast and efficient installation**  
**Flexible, easy to maneuver around corners**



## Springfield Plastics, inc.

7300 West State Route 104  
1-800-252-3361

Auburn, IL. 62615  
217-438-6167



**Gravel-less adapters**

**Split and Snap Couplers**



**GLS Tee ( open )**

**GLS Tee ( blind )**



**Description of System:**

The gravel-less leachfield system uses large diameter ( 8" and 10" ) corrugated pipe manufactured from high quality, high density polyethylene. Holes are drilled in the valleys of the corrugations and the entire pipe is encased in polyester filter fabric. The native soil is used for backfilling eliminating the need for gravel. The gravel-less leachfield system serves the disposal system in two important functions. First, the system is a conveyance and storage system for the septic tank effluent and second, the system acts as a secondary treatment process to the effluent.

The large diameter pipe provides storage capacity and carries the effluent to the soil. The pipe also provides better oxygen transfer capabilities due to the larger surface area of effluent and increased oxygen content present. The holes being located at 60 degrees off the bottom of the center create a settling basin for the organic solids carryover from the septic tank. The solids are then further stabilized by bacterial action producing a quality effluent from the gravel-less pipe and reducing the organic load on the soil.

**Advantages:**

The gravel-less leachfield system has been developed to assist the homeowner and the contractor in the installation of a private sewage disposal system. Gravel for conventional leachfield system is difficult to obtain in many areas and is very expensive. The delivery of the gravel is prohibited under wet conditions due to the large trucks required for the hauling. The handling of the gravel is very labor intensive and the residue difficult to clean up. Gravel-less leachfield systems generally require less excavating than traditional systems. The gravel-less pipe is lightweight and comes in 20 foot sections allowing for fast and efficient installation. These advantages should give the homeowner and the contractor cost savings and more timely installation.

**Technical information:**

Springfield Plastics, Inc. gravel-less leachfield pipe meets or exceeds the requirements of ASTM F405, ASTM F667 Standard Specifications for corrugated polyethylene pipe and AASHTO designation M252 and M294. The pipe is approved in many areas but the use of and installation requirements are subject to the applicable governmental agency. Springfield Plastics, Inc. personnel are happy to assist you in seeking necessary approvals or determining proper installation requirements.



Quality you can depend on . . .

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Plastics, inc.**

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