Easy to Install
Lightweight and easy to carry. Saves time and labor. No special tools or fittings needed. No waste; just cut to required length.

Assured Effluent Flow
Leach Bed Pipe (Uniformly sized and spaced drilled holes for effective outflow of effluent).

Flexible
Easily adjusted for line and grade. Reduces the need for fittings and maximizes potential for field adjustments.

Strong-Tough-Durable
Won’t crack or break under normal handling and installation procedures. Tough enough to withstand the heaviest loads.

Unrestricted Water Intake
Drainage Pipe (Uniform slots in the corrugated valleys for unrestricted, rapid water intake. Quicker drainage to handle heavy rains).

Injection Molded Fittings for Small Diameter N-12 Pipe

Advanced Drainage Systems, Inc.
4640 Trueman Blvd., Hilliard, OH 43026
1-800-821-6710
www.ads-pipe.com

Small Diameter N-12” Single Wall Pipe and Fittings

ADS Pipe Advantages
Our advantages extend beyond the field! Call our customer support number: 1-800-821-6710 for more information. We can also be reached on the internet at www.ads-pipe.com

Solve home drainage problems with ADS pipe.

Advanced Drainage Systems, Inc.
4640 Trueman Blvd., Hilliard, OH 43026
1-800-821-6710
www.ads-pipe.com

For quick, easy fix-ups of drainage problems around the house, rely on lightweight ADS polyethylene pipe.

**Downspout Run-off**

To carry the water away from the house and avoid water seeping downward and washing out the basement walls, use ADS Non-Perforated Pipe from downspout to storm drain inlet, street curb, or other disposal area. Place an ADS Downspout Adapter on the end of the downspout, snap the ADS Non-Perforated Pipe into the adapter, and run ADS Non-Perforated Pipe to the disposal area. If a shallow line is desired, use ADS Non-Perforated Pipe to the disposal area. If a shallow line is desired, use ADS Non-Perforated Pipe to the disposal area.

When you install ADS pipe, you can be sure it will provide dependable drainage for many years to come. Problems that often occur with other drainage materials simply don’t occur with ADS pipe.

**Window Wells**

Wet basements are generally caused by ground water entering either adjacent to or higher than the basement floor. To prevent water from entering either the basement wall or footing course, with a minimum slope. The bottom of the line should be as low as the bottom of the wall or footing course, with a minimum slope. The bottom of the line should be as low as the bottom of the wall or footing course, with a minimum slope.

**Foundation Drains**

Wet basements can be easily drained by running a line of ADS Non-Perforated Pipe from the drain to the disposal area. A flexible clay pipe will be helpful in making grade changes and curves away from the well. ADS 90° elbows are available for extremely sharp curves.

To carry water beneath your driveway, use ADS Non-Perforated Pipe. Crushed stone, gravel or compacted soil material should be used to bed the pipe. Other suitable bedding materials include Geotextile wrap or gravel. Crushed stone, gravel or compacted soil material should be used to bed the pipe. Other suitable bedding materials include Geotextile wrap or gravel.

**Low Spots**

Wet basements can be easily drained by running a line of ADS Non-Perforated Pipe from the drain to the disposal area. A flexible clay pipe will be helpful in making grade changes and curves away from the well. ADS 90° elbows are available for extremely sharp curves.

To carry water beneath your driveway, use ADS Non-Perforated Pipe. Crushed stone, gravel or compacted soil material should be used to bed the pipe. Other suitable bedding materials include Geotextile wrap or gravel.

**Dowspout Drains**

Wet basements are generally caused by ground water entering either adjacent to or higher than the basement floor. To prevent water from entering either the basement wall or footing course, with a minimum slope. The bottom of the line should be as low as the bottom of the wall or footing course, with a minimum slope. The bottom of the line should be as low as the bottom of the wall or footing course, with a minimum slope.

**Wet basements**

Wet basements are generally caused by ground water entering either adjacent to or higher than the basement floor. To prevent water from entering either the basement wall or footing course, with a minimum slope. The bottom of the line should be as low as the bottom of the wall or footing course, with a minimum slope. The bottom of the line should be as low as the bottom of the wall or footing course, with a minimum slope.

**Gravel or Soil**

Gravel or soil bed should be used to bed the pipe. Other suitable bedding materials include Geotextile wrap or gravel. Crushed stone, gravel or compacted soil material should be used to bed the pipe. Other suitable bedding materials include Geotextile wrap or gravel.

**CARE DURING INSTALLATION**

Care during installation is critical in that reversals in grade will greatly reduce the effectiveness of the system. Avoid water flow over the pipe or large clods of soil that may damage the pipe or large clods of soil that causes voids and subsequent excessive settling.

**PROPER GRADE**

The grade, or fall, of an ADS pipe, must be in line with local codes to ensure proper drainage. As a general guide, the following grades may be used:

- 1 inch per 10 feet for smooth pipes
- 3 inches per 10 feet for rough pipes
- 2 inches per 10 feet for sewer pipes

**PROPER SELECTION OF MATERIALS**

Choose your materials according to application. If absorption and drainage are required, perforated pipe should be used. If pipe serves only to move water away from an area (such as downspout and drainpipes), non-perforated pipe is best. In areas where root penetration may be a problem, non-perforated pipe should be used. In areas where root penetration may be a problem, non-perforated pipe should be used.

**DRAINAGE**

To ensure proper drainage, use ADS Non-Perforated Pipe. Crushed stone, gravel or compacted soil material should be used to bed the pipe. Other suitable bedding materials include Geotextile wrap or gravel. Crushed stone, gravel or compacted soil material should be used to bed the pipe. Other suitable bedding materials include Geotextile wrap or gravel.

**DESIGN**

When designing your drainage system, consider the following:

- The grade of the pipe should be based on the slope of the ground.
- The pipe should be bedded in gravel and covered with a layer of soil to prevent damage.
- The pipe should be protected from damage by other structures.
- The pipe should be inspected regularly for signs of damage.

By carefully following these guidelines, you will achieve a safe, permanent and efficient ADS drainage system.