

Up here, the best you can build.



達言(香港)有限公司

TAT YIN (HK) CO., LTD.

香港灣仔軒尼詩道 288 號英皇集團中心 15 樓 1504 室
Rm 1504, 15/F, Emperor Group Centre, No.288 Hennessy Road, Wanchai, HK

☎ (852) 2121 4694 (4 Lines) 🌐 www.tatyin/td.com

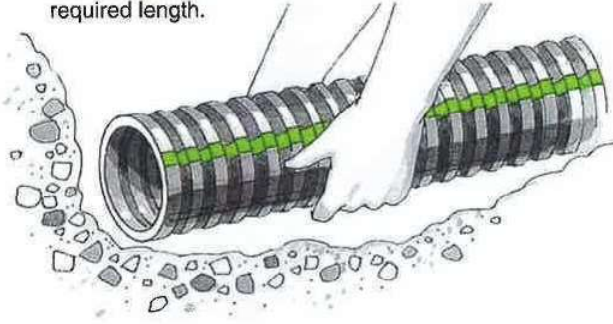


Down here, ADS pipe, the foundation
for trouble-free drainage.

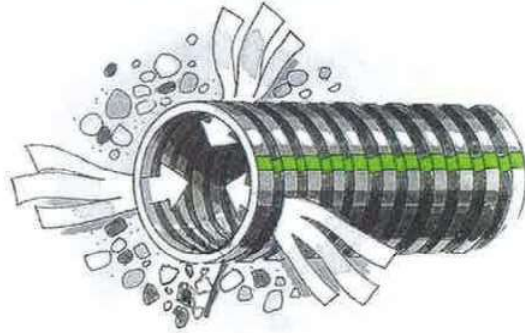
ADS Pipe Advantages

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

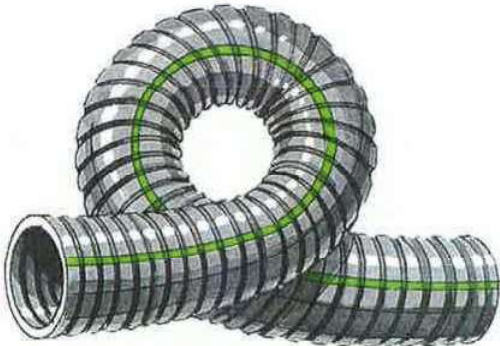
- ▼ **Easy to Install** Lightweight and easy to carry. Saves time and labor. No special tools or fittings needed. No waste; just cut to required length.



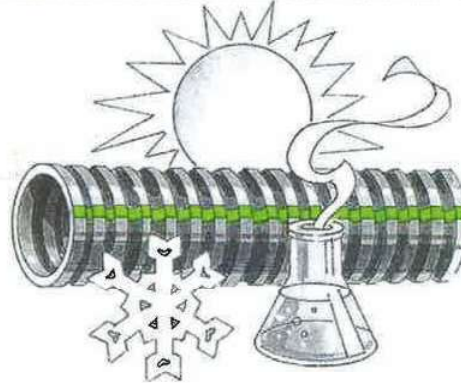
- ▼ **Unrestricted Water Intake (Drainage Pipe)** Uniform slots in the corrugated valleys for unrestricted, rapid water intake. Quicker drainage to handle heavy rains.



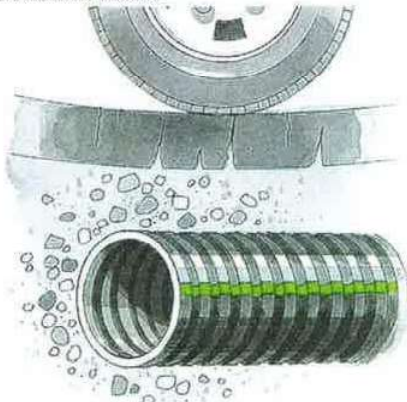
- ▼ **Flexible** Easily adjusted for line and grade. Reduces the need for fittings and maximizes potential for field adjustments.



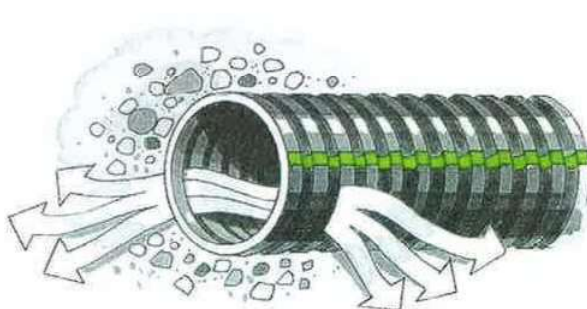
- ▼ **Long Life** Will not deteriorate. Rust resistant. Not affected by acidic soil content or other problem soils. Not affected by freezing or thawing.



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

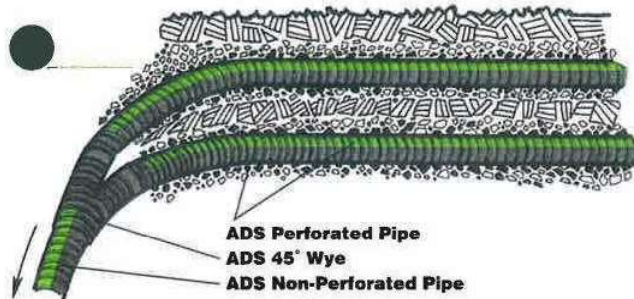


- ▼ **Assured Effluent Flow (Leach Bed Pipe)** Uniformly sized and spaced drilled holes for effective outflow of effluent.

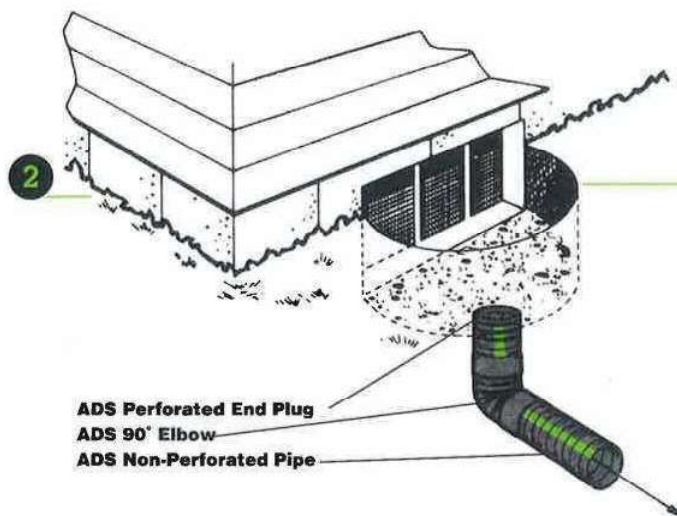


ADS Corrugated Polyethylene Pipe: Perfect

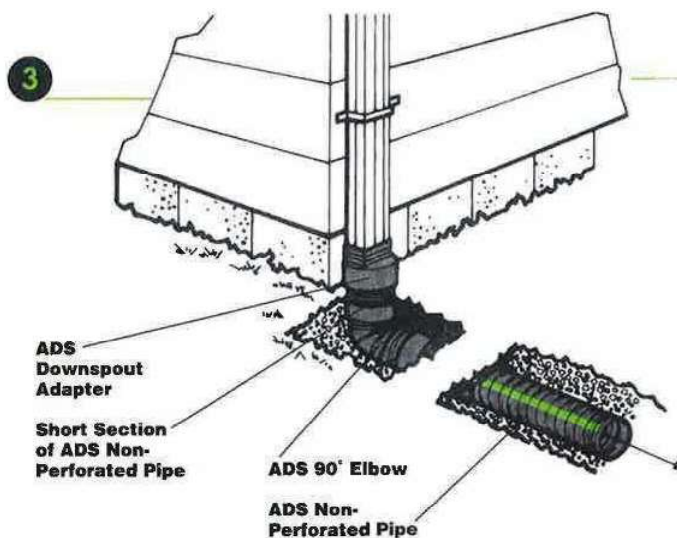
Affordable ADS pipe costs just pennies per foot installed and is available



Interceptor Drains If the building is on a slope, ADS pipe installed as a curtain drain will intercept the water before it reaches the foundation or creates unsightly wet areas around the building. Use ADS Perforated Pipe, encased in gravel bedding, in ditches on the slope parallel to the building to intercept the excess water. At the end of the perforated line, connect to ADS Non-Perforated Pipe to carry water to a disposal area.



Window Wells Basement window wells should be drained to prevent rainwater from seeping down to the foundation walls and entering the basement. The window well can be easily drained by running a line of ADS Non-Perforated Pipe from a drain in the bottom of the well to a disposal area. The flexibility of ADS pipe will be helpful in making grade changes and curves away from the well. ADS 90° elbows are available for extremely sharp curves.

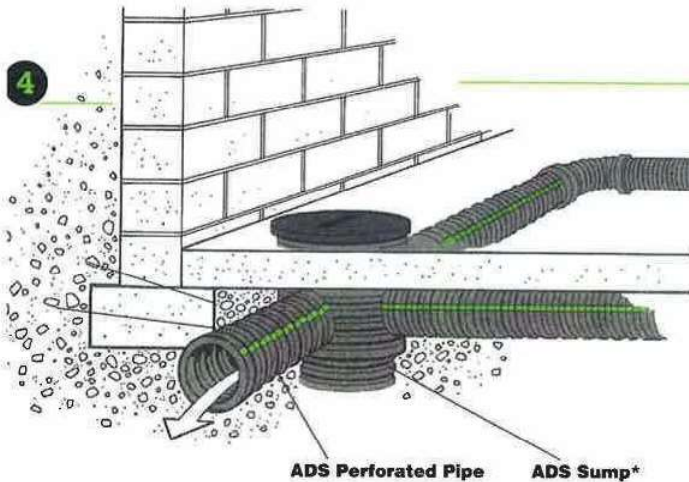


Downspout Runoffs To carry rainwater from the building and avoid water seeping down basement wall and creating wet basement problems, use ADS Non-Perforated Pipe from downspout to surface inlet, dry well, or other disposal area.

Place an ADS Downspout Adapter on the end of the downspout, snap the ADS Non-Perforated Pipe into the snap coupling on lower end of adapter and run pipe to the disposal area. If a shallow line is needed from the downspout, an ADS 90° elbow can be used. ADS tees, wyes and other fittings are available for connecting two or more downspouts to the same line.

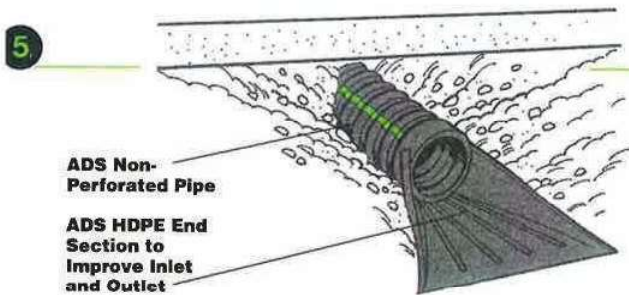
Best for homesite and commercial drainage.

in diameters from 3" to 48". Rely on ADS pipe to meet all your drainage needs.



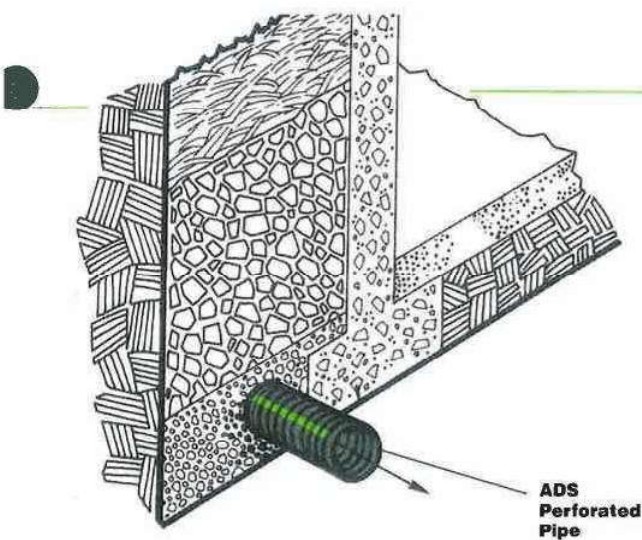
Underslab Drainage and Sump Pump Application

ADS Perforated Pipe can be installed in new or retrofit construction to prevent wet basements. Pipe can be installed outside (see "Foundation Drains") or inside the basement. ADS pipe should be placed in the basement floor approximately one foot from the inside wall or in a cross pattern as illustrated. Line should have a minimum grade and lead into a sump at one corner of the basement or to an outside drain. Pipe should be installed in a gravel envelope such as is recommended for foundation footing drains outside buildings.



Driveway Culverts

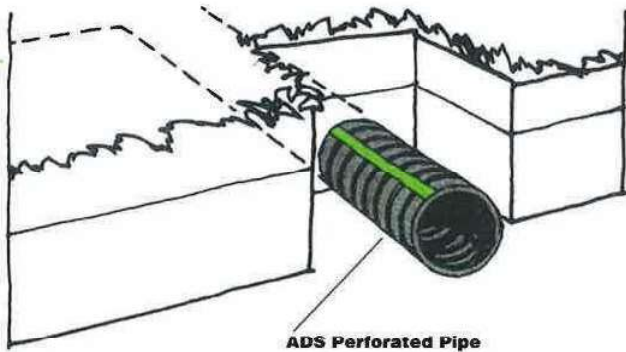
To carry water beneath the driveway, use ADS Culvert Pipe. Crushed stone, gravel or compacted soil backfill should be used as the bedding material around the culvert, in accordance with ASTM F449.



Foundation Drains

Wet basements are generally caused by groundwater that is either adjacent to or higher than the basement floor. To prevent water from entering either the basement wall or the footings, install ADS Perforated Pipe in a gravel envelope completely around the house.

The bottom of the line should be as low as the bottom of the wall or footing course, with a minimum slope. It should run to a storm sewer or other disposal area. Although ADS pipe will bend around corners, 90° elbows with snap couplings are available where local codes require them. An ADS tee will tie together the ends of the foundation drain at the line leading to the disposal area.



ADS Perforated Pipe

Low Spots For wet spots in lawns or other areas, use ADS Perforated Pipe installed in gravel envelope to pick up water and carry it to a catch basin or other disposal area. In heavy clay soils, several lines of ADS Perforated Pipe may be needed to speed drainage. Pipe should be installed in gravel envelope.

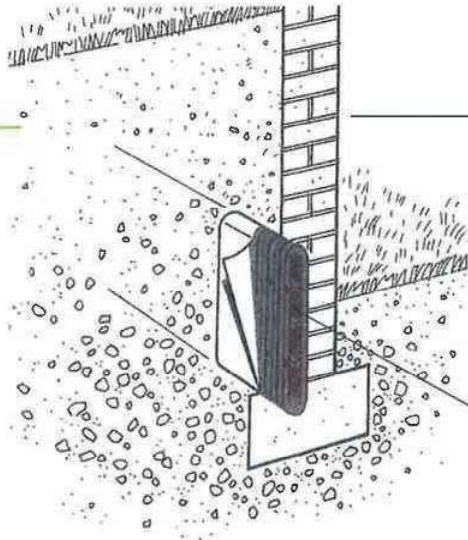
A surface inlet can also be installed where lawns collect rainwater. Install this inlet at the low point and use ADS Non-Perforated Pipe to carry the water from the inlet to a storm sewer or other disposal area.

OTHER ADS PIPE USES:

- ROAD BED DRAINAGE ■ ATHLETIC FIELDS ■ GOLF COURSE DRAINAGE ■ AIRPORT RUNWAYS
- PARKING LOTS ■ MANHOLE DRAINS ■ CONDUITS FOR UNDERGROUND TELEPHONE AND POWER LINE SERVICES ■ DUCTS FOR WARM AIR HEATING IN UNDERSLAB CONSTRUCTION

Advanced Drainage Systems, Inc., is America's leading manufacturer of quality corrugated polyethylene pipe. From coast to coast, ADS pipe is available through the industry's most extensive distribution network. For the name of your local distributor, contact the nearest ADS sales office. Visit ADS on the Internet at www.ads-pipe.com

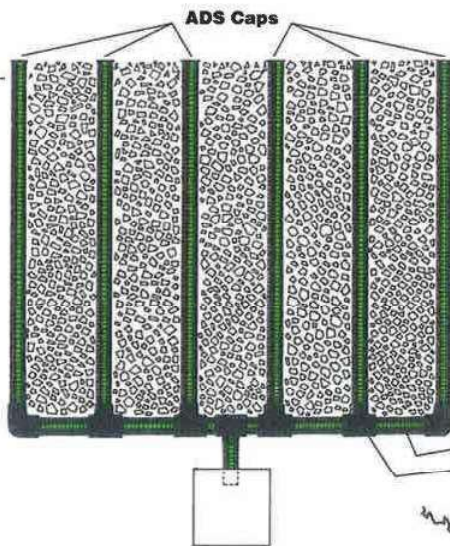
8



Retaining Walls To prevent damage to walls from frost heaving and hydrostatic pressure, install ADS AdvanEDGE® Pipe in a sand or gravel bed behind and at the base of the wall and run it to a disposal area or outlet. When used behind walls where outlets are not available, outlets can be provided using weep holes. ADS AdvanEDGE Pipe can also be used as a foundation drain to prevent water from entering the basement wall.

ADS AdvanEDGE® Pipe

9

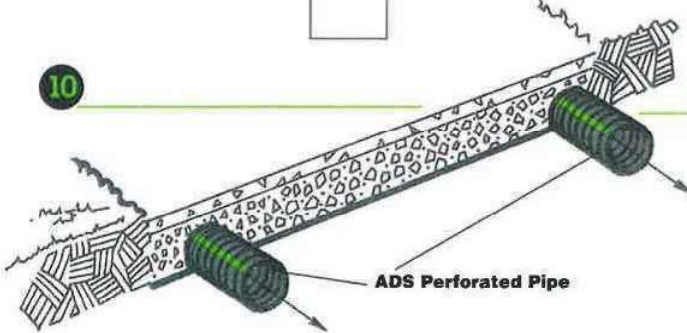


Septic Tank Disposal Fields

SB2® ADS' Perforated Leach Bed Pipe, is ideally suited for septic tank disposal fields. State and local health codes and soil conditions govern area of absorption field and method of installation. Contact regulatory agencies before installing.

ADS Perforated Leach Bed Pipe
ADS 90° Elbow
ADS Non-Perforated Pipe
ADS TEE

10



Walks/Driveways/Parking Areas

To prevent walks and driveways from frost damage, install ADS Perforated Pipe in gravel beneath the flagstone, concrete or other paving material. Drain to a convenient disposal area.

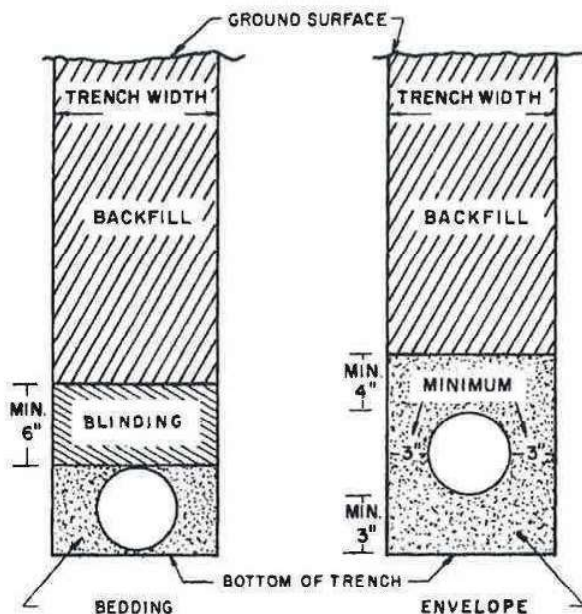


ADS Pipe INSTALLATION GUIDELINES

The key factors to be considered when installing ADS Corrugated Pipe are:

- 1 CARE DURING INSTALLATION** Care should be taken to prevent damage to the pipe during the backfilling operation. Avoid dropping large clods or rocks directly on pipe. Impact loads of all types should be avoided until pipe is properly bedded.
- 2 BEDDING** It is preferred that pipe be bedded in a gravel envelope. However, selected soil backfill material may also be used with satisfactory results. The bedding material should be placed around the pipe to a depth of at least 4" over the top of pipe. When selected soil bedding material from the trench excavation is used, choose small loose particles of soil that will flow around the pipe and minimize soil settling. Avoid large rocks that may damage the pipe or large clods of soil that cause voids and subsequent excessive settling. Selected soil bedding materials should be tamped.
- 3 DEPTH OF COVER** If vehicular traffic is expected over pipe there should be a minimum of 12" of cover over pipe if gravel bedding is used and 24" of cover if selected soil bedding material is used. Typical recommended gravel envelope materials would be a 6A stone or pit run coarse sand and gravel mixes.
- 4 PROPER GRADE** The grade or "fall" on which pipe is laid is critical because reversals in grade will greatly reduce the effectiveness of the system. Best drainage practice calls for a continuous downhill fall or grade over the entire length of the drain line. A fall of 0.2 inches per 10 feet of length is generally considered adequate. Greater amounts of fall will promote more rapid drainage.
- 5 PROPER SELECTION OF MATERIALS** Proper selection of material is determined by the application. If the line is to serve as a drainage line, Perforated Pipe should be used. If the line serves only to convey water away from an area (such as downspout runoffs, etc.) Non-Perforated Pipe is best, as it will not dissipate water into the surrounding area.

Non-Perforated Pipe should also be used if the line runs close to trees where root penetration may be a problem. If the soil being drained is sandy or silty, then either "Drain-Guard" or a gravel envelope should be used to prevent fine soils from entering and blocking the line. If the above recommended guidelines are followed when installing a drainage system, ADS pipe will provide an easy-to-install, safe, permanent and efficient drainage system.










Pipe Encased in Bedding for Support (left) and Pipe Encased in Sand and Gravel Envelope Designed as Filter (right)

Single Wall Pipe and Fittings

 INTERNAL COUPLER	 BLIND TEE (ONE END)	 SNAP END CAP	 END PLUGS	 SMOOTHWALL ADAPTER	 SEPTIC SYSTEM LEACH FIELD PIPE
 N-12 BELL COUPLER	 MULTIPLE CROSS TEE	 SPLIT END CAP	 DISTRIBUTION BOX 1369 1370	 DOWNSPOUT ADAPTER	 SB2 GRAVEL-LESS LEACH BED PIPE
 12 BELL COUPLER "ST" <i>or use with odd length pipe</i>	 MULTIPLE TEE	 N-12 SNAP END CAP	 N-12 END PLUGS	 SEWER & DRAIN FITTINGS (SMOOTH SURFACE)	 HEAVY DUTY PIPE
 2 BELL COUPLER "WT"	 BLIND MULTIPLE TEE (BOTH ENDS)	 ELBOWS	 OFFSET ADAPTER (SB2)	 SEPTIC TEES	 PROTECTIVE 1
 SPLIT COUPLER	 TAP TEE	 WYES	 ADS PLASTIC END SECTIONS	 PERFORATED PIPE	 ADVANEDGE PIPE
 INTERNAL REDUCING COUPLER	 SNAP TEE	 SUMP LINER 1624 1630	 SEPTIC TANK ADAPTER	 NON-PERFORATED PIPE	 ADS TRIPLEWALL-SEWER & DRAIN PIPE
 REDUCING COUPLER	 REDUCING TEE	 SUMP LID 1537 1538	 CLAY ADAPTER		
 SNAP COUPLER					

Small Diameter N-12[®] pipe and Injection Molded Fittings*

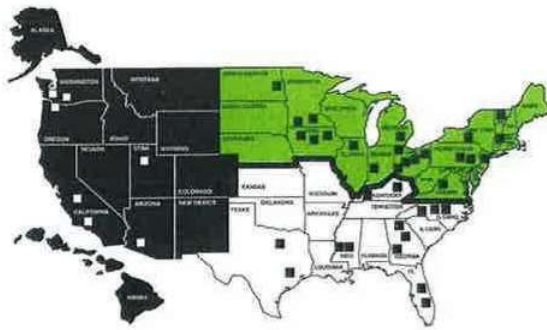
 45° WYE	 90° ELBOW	 45° ELBOW	 TEE WITH INSERT REDUCER
 BELL/BELL REDUCER	 BELL/BELL COUPLER	 TEE	

* Fabricated fittings such as elbows, tees, etc. for larger sizes are available in N-12 pipe.

For more information see form 10484

ADS CUSTOMER SERVICE CENTERS

- **NORTHEAST & MIDWEST**
1-800-733-9554
- **SOUTH**
1-800-733-9987
- **WEST**
1-800-733-8523
- **MANUFACTURING FACILITY LOCATIONS**



THE MOST
ADVANCED
NAME IN
DRAINAGE
SYSTEMS[®]



ADVANCED DRAINAGE SYSTEMS, INC.
4640 TRUAMAN BLVD.
HILLIARD, OH 43026
1-800-821-6710
WWW.ADS-PIPE.COM

