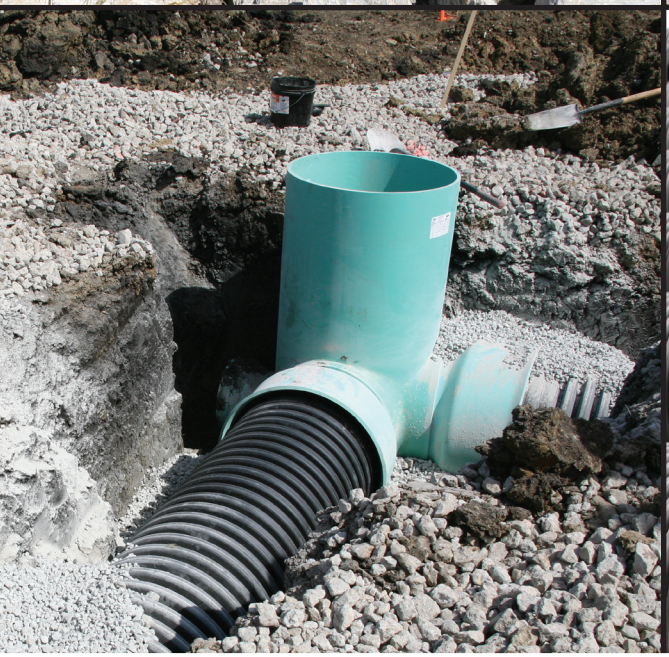
Springfield Plastics, inc.

Commercial, Residential and Highway Products



www.spipipe.com

ABOUT SPRINGFIELD PLASTICS

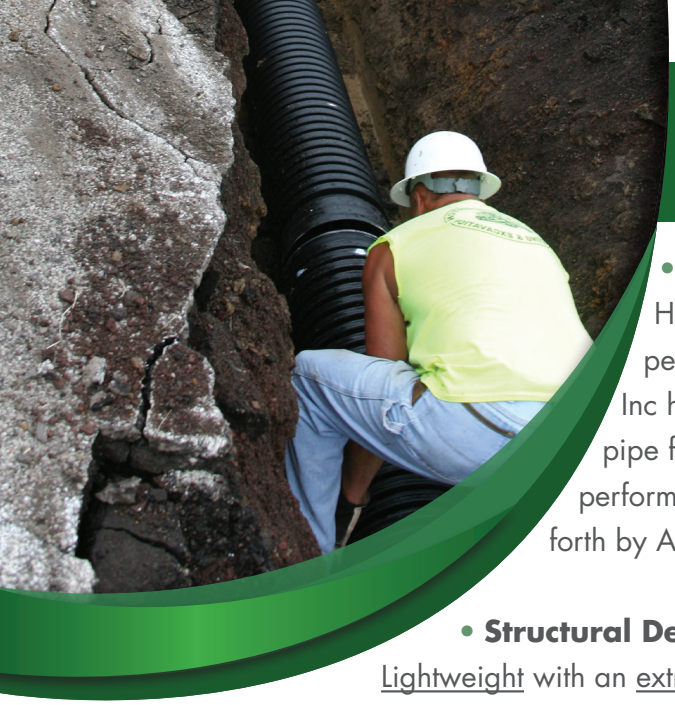
Springfield Plastics, Inc. was started in 1978 and has grown to become a leading Midwest manufacturer of corrugated plastic drainage pipe.

Our team is made up of individuals who have a wealth of knowledge about the drainage industry and who take great pride in serving our customers. At Springfield Plastics, our goal is to provide personalized service, while still maintaining steady growth. We are headquartered out of Auburn, Illinois, and will do whatever it takes to make ordering and delivery as simple as possible.

At Springfield Plastics, we are committed to providing quality products. Engineers, developers and building regulators everywhere have found that Springfield Plastics drainage pipe and fittings are not only the highest quality, but they also make drainage projects easier.

We have been producing pipe for 35+ years and have witnessed first hand the durability and longevity that our plastic pipe offers. Its quality and strength means peace of mind for you year in and year out.

You want a product you can depend on from a company you can trust. Don't settle for anything less than durable, lasting quality from Springfield Plastics, Inc.



Benefits of Corrugated High Density Polyethylene Pipe (HDPE)

- **Service Life:**

HDPE pipe has been produced for 40+ years and has an excellent performance track record in drainage applications. Springfield Plastics, Inc has been producing single wall pipe for 35+ years and dual wall pipe for 26+ years with countless installations still functioning at optimum performance. HDPE Pipe manufactured today meets or exceeds the criteria set forth by AASHTO to have a service life exceeding 100 years.

- **Structural Design:**

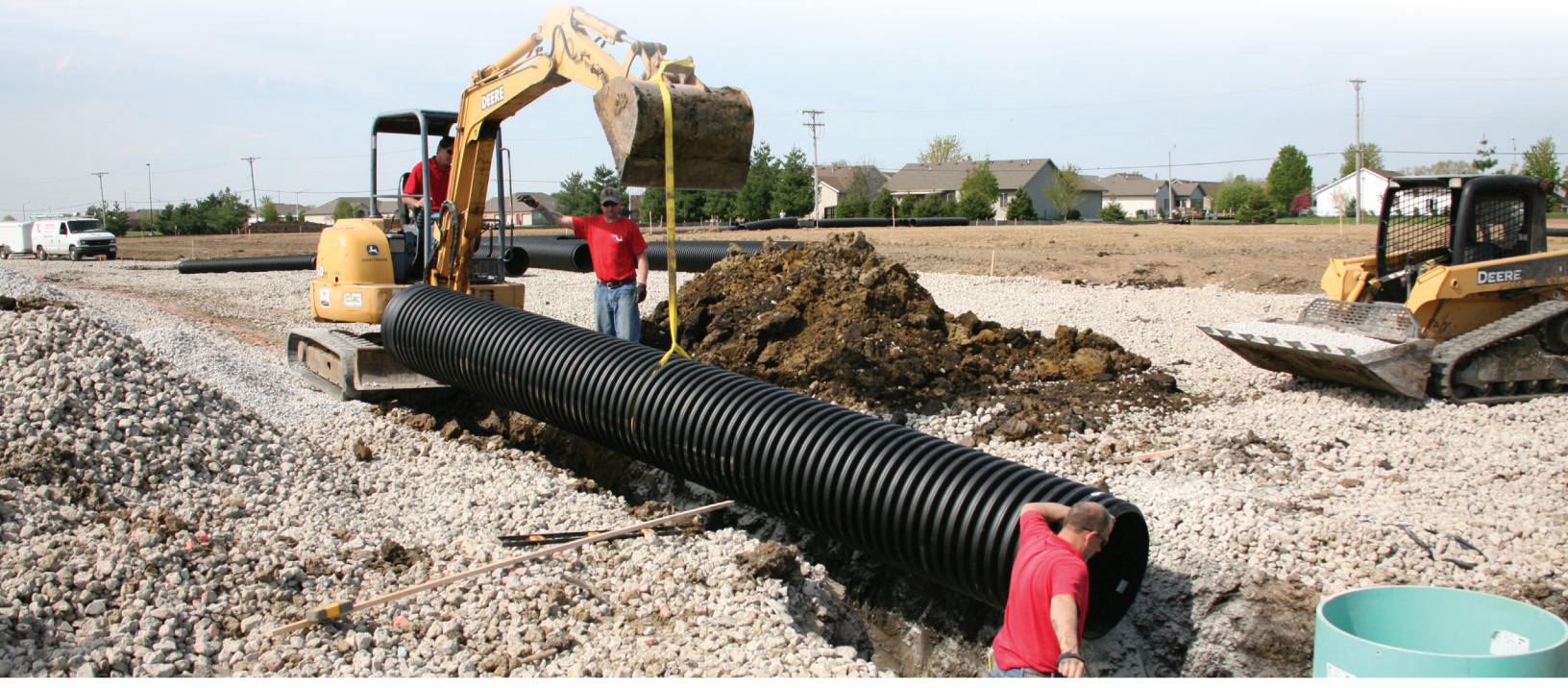
Lightweight with an extremely high strength-to weight ratio with a variety of lengths. This allows for smaller work crews and less heavy machinery all while maintaining the utmost quality and structural strength.

- **Corrosion Resistance:**

Highly inert and resistant to rust and corrosion. Resists biological growth by bacteria and fungi as well. Has a high chemical resistance so, unlike steel and metal pipes, it is ideal for harsh chemical environments.

- **Watertight Joints:**

Unlike concrete joints that can have manufacturing flaws or flaws caused during the unloading movement-process that are difficult to fix once at the site and can be hard to assemble in cold temperatures, the joints on HDPE pipe create a leak-free, self-resistant structure. Our pipe is specially designed to create a precise fit and a completely sealed joint from one piece of pipe to the next. The nature of the pipe's design allows for quick and efficient installation with a minimal number of workers, all while ensuring a completely sealed joint every time.

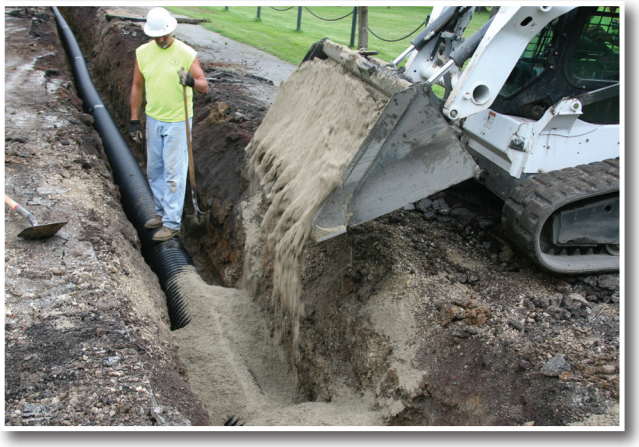


- **Structural Characteristics**:
  Made of materials just a fraction of the density of steel, HDPE pipe is lightweight, and liners and coatings are unnecessary as it is resistant to abrasion, unlike other materials. Due to its unique characteristics, HDPE can withstand high traffic areas with low burial depth. Its strength also contributes to its effectiveness in earthquake-prone areas.
  - o HDPE pipe and fittings are inherently tough, resilient and resistant to damage caused by external loads and vibrations. It preserves excellent hydraulic characteristics throughout the pipe service life.
  - o Because it is smoother than some other materials, a smaller diameter pipe can carry an equivalent volumetric flow at the same pressure. It has less drag and a lower tendency for turbulence at high flow.

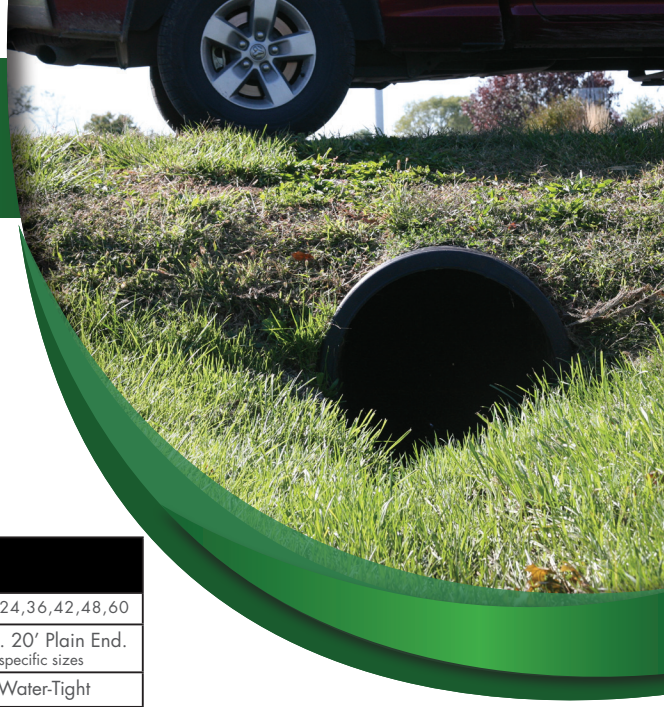
- **Size**:
  4 - 60 in. diameter. Available in a wide variety of sizes. Depending on the wall thickness of the pipe, concrete pipe can take up more space than is necessary and can interfere with existing utilities and service lines during installation raising project costs and extending timelines. Due to the variety of lengths and widths of plastic pipe, orders can be customized to specifically accommodate a job and its needs.

- **Installation**:
  The Illinois Department of Transportation has approved the same installation method for both concrete and plastic, but there are some significant differences in the costs:
  - o The lightweight and long lengths of plastic pipe allow for less heavy machinery and work crews and a shorter installation time. Because concrete is such a heavy material, heavy machinery and large work crews are needed for the installation process, thereby increasing the length of installation as well as the risk for injury.
  - o Job site functionality installation times can become extended should an issue arise during installation. With concrete, there would be a considerable increase in workloads, times and costs because modifications to the concrete structure are timely and costly. Using HDPE pipe makes it easy to make modifications right on site to fit the necessary project needs while still maintaining the integrity and strength of the structure.

- **Jetting - Cleaning Out**
  Plastic pipe can be cleaned out very easily. Other materials that become corroded and rusted will not clean out easily as the jetting pressure blows out the rusted and corroded portions of the pipe compromising its structure. Since plastic pipe is highly inert and resistant to rust and corrosion, cleaning out the pipe will not compromise its strength and performance. Our dual wall pipe has been subjected to 1500 psi for over a 30-minute period with no deterioration of the inner wall.



Springfield Plastics Products and Markets



MARKETS

HIGHWAY

- Edge Drains
- Storm Sewers
- Abutment Drains
- Road Culverts

COMMERCIAL

- Drain Parking Lots
- Holding or Retention Areas
- Golf Courses and Recreational Fields

RESIDENTIAL

- Foundation/ Basement Drains
- Downspout Drains
- Septic System Leachfield
- Meter Pits
- Area Drains

Dual-Wall Pipe Product Details	
Diameters (in inches)	4,6,8,10,12,15,18,21,24,36,42,48,60
Lengths	6', 8.5' & 20' Bell-End. 20' Plain End. See technical data sheet for specific sizes
Types	Slotted, Solid, Drilled, Water-Tight
Color	Black
Filter Wrap Available	Yes
Application	Agriculture, Highway, Residential, Commercial and Aeration

PRODUCTS

DUAL-WALL PIPE

- Corrugated outer wall for exceptional strength
- Smooth inner wall for outstanding hydraulic characteristics
- Can be buried as shallow as 1 foot and as deep as 50 feet with Class 1 backfills compacted to 90 percent Standard Proctor Density in accordance with ASTM D2321 and industry recommended procedures. Greater burial depths may be achieved with compacted backfills. Contact your Springfield Plastics representative for further assistance in calculating maximum burial depths.

Primary Uses:

- The use of dual wall plastic pipe is recommended where discharge water contains floating debris and materials.
- Dual wall pipe is used to convey water for underground non-pressure applications, such as:

Storm sewers

Highway underdrains

Foundation drains

Roadway culverts

Other uses include:

- Underground conduits for telephone, electrical and television cable.

FITTINGS AND ACCESSORIES

Springfield Plastics, Inc. has the heaviest and strongest fittings in the industry. The same quality standards that have set Springfield Plastics, Inc. pipe apart from the rest of the industry holds true for the fittings and accessories we offer.

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