



# CORRUGATED METAL PIPE

**Rugged, Dependable, Efficient**

### LANE'S CORRUGATED METAL PIPE (CMP)

Lane provides the complete CMP product line to meet all your needs: a full range of diameters, options for materials (see page 5), and custom fabricated fittings. Lane's CMP pipe offerings can meet all the subsurface drainage demands of your site, building, roads, and pavements.

Steel and aluminum pipe is available in a variety of corrugations and wall thicknesses in diameters up to 144". Corrugated steel pipe is available in a number of protective coatings to provide design service life, while aluminum pipe does not require protective coating. These choices allow designers to economically match the best material to the site conditions.

For more information, visit: [lane-enterprises.com/CMP-Pipe](http://lane-enterprises.com/CMP-Pipe).

*DID YOU KNOW // With a multitude of pipe sizes, shapes, gauges, coatings, and material options, Lane's corrugated metal pipe products are the most flexible and reliable drainage products available.*

### ABOUT LANE

As a full-line manufacturer of corrugated metal and plastic drainage products, Lane Enterprises, Inc. operates plants throughout the Northeastern, Mid-Atlantic, and South-Central states producing various types of buried structures for the construction industry.

For nearly 90 years, Lane has partnered with contractors, engineers, and municipalities to supply reliable products that provide the highest levels of service life, strength, versatility, and economy. Our focus on quality products, responsive customer service, and technical expertise has established a long, proven history of successful partnerships within the industries we serve.



## WHY SELECT CMP?

### IT LASTS

100+ year service life is attainable with aluminized and polymer coatings, among others. CMP coatings can meet any service life requirement, and the life cycle can be accurately determined on any CMP product.

### IT'S ECONOMICAL

CMP is the most economical pipe materials solution for both initial costs and total life cycle costs. Not only does it require less labor and machinery to install, but it's easier and more economical to ship and handle and holds up to the most demanding installation conditions.

### IT'S GREENER

With as much as 83% recycled content, steel is the greenest choice on the market.

### IT'S VERSATILE

Corrugated metal pipe is manufactured in a wide variety of gauges, corrugations, shapes, and coatings, in diameters ranging from 6" to 12'.

### APPLICATIONS

- Culverts
- Storm Sewers
- Underground Storage Systems
- Underground Sand Filter
- Slotted Drain
- Pipe Rehabilitation Relines
- Small Bridges
- Conduits
- Underdrains
- Dewatering Casings
- Risers
- Pond Kits



## MATERIAL OPTIONS

- Aluminized Steel Type 2
- Polymer-Coated Galvanized Steel
- Aluminum Alloy
- Galvanized Steel
- Asphalt-Coated Galvanized Steel

## COATINGS

Corrugated metal pipe is available in different material types to economically meet the environmental and service life conditions defined for each installation.

### ALUMINIZED STEEL TYPE 2

Aluminized steel pipe combines the strength of steel with the corrosion resistance of aluminum. Pipe is produced from steel coil with a one-ounce per square foot aluminum coating.

### POLYMER-COATED

A 10-mil polymer film is laminated over each side of a galvanized steel coil to create the premier coating available today. The protective film is a tough, rugged polyolefin laminate that provides galvanized CSP with a durable barrier that exceeds the corrosion and abrasion resistance of all other coatings with the added feature of providing a 100-year service life.

### ALUMINUM ALLOY

The core material for aluminum alloy pipe is specially formulated to resist the effects of corrosion and abrasion. Corrosion resistance is further improved by cladding each surface of the core with a higher grade aluminum alloy that totals 10% of the total sheet thickness.

### GALVANIZED STEEL

The traditional galvanized CSP is produced from steel coil with a two-ounces per square foot zinc coating.

### ASPHALT-COATED

A uniform coating is applied to the interior and exterior of the pipe to increase the service life of galvanized CSP.

## ESTIMATED SERVICE LIFE<sup>1</sup>

MATERIAL	SERVICE LIFE
Aluminized Steel Type 2	Minimum 100 years (14 ga.)
Polymer-Coated Galvanized Steel	Minimum 100 years
Aluminum Alloy	Minimum 75 years
Galvanized Steel	Minimum 50 years
Asphalt-Coated Galvanized Steel	Extends the service life of Galvanized Steel

<sup>1</sup>In the recommended environment (see CMP Service Life Guide)

## CORRUGATED STEEL PIPE & PIPE ARCHES

### ECONOMICAL, RUGGED, AND EFFICIENT

Lane fabricates and stocks a full range of corrugated steel pipe in a variety of materials, linings, and coatings to meet specific durability and hydraulic requirements. CSP is available in round sizes from 6" through 144" and in pipe-arches through 120" equivalent. CSP is unparalleled in its ability to be fabricated to meet demanding site requirements, especially in larger diameters.

### BENEFITS OF CSP INCLUDE:

- Long Service Life (100+ Years)
- The most environmentally-friendly and LEED-friendly drainage product on the market
- Superior Strength



### CORRUGATED STEEL PIPE (CSP)\*

SIZES, SHAPES, CORRUGATIONS, AND METAL THICKNESSES

Corrugations	Round	Pipe-Arch (Span x Rise)
1½" x ¼"	6" to 10"	
2⅔" x ½"	12" to 72"	14"x 9" to 83"x 57"
3" x 1"	48" to 102"	53"x 41" to 117"x 79"
5" x 1"	48" to 144"	53"x 41" to 142"x 91"
(SRP) ¾" x ¾" x 7½"	15" to 102"	20"x 16" to 103"x 71"

18 gauge (0.052"), 16 gauge (0.064"), 14 gauge (0.079"), 12 gauge (0.109"), 10 gauge (0.138"), 8 gauge (0.168")

\*Typical size ranges only. Consult a Lane representative for availability beyond these limits.

## **SPIRAL RIB PIPE**

### **HYDRAULICALLY EFFICIENT**

Lane's Spiral Rib Pipe (SRP) offers all the advantages of corrugated metal pipe, plus greater hydraulic efficiency. Lane fabricates the largest variety of SRP products anywhere. The smooth interior of SRP makes it especially suited for manhole to manhole storm sewer runs and for use as a liner pipe for rehabilitating existing culverts.

Lane fabricates SRP in steel and aluminum and can supply steel pipe with a variety of coatings for greater service life. SRP is available in round sizes from 15" through 120" and in pipe-arches through 102" equivalent. Lane can fabricate spiral rib pipe in almost any diameter or length to meet project specifications.

### **INSTALLATION ADVANTAGES OVER CONCRETE PIPE:**

- Fewer Joints
- Lighter Weight
- Stronger Joints
- Handling Ease
- Longer Pipe Lengths
- Quicker Installations




**SRP requires 40% less joints than concrete pipe installations. Fewer joints mean fewer problems during and after installation.**

## OPEN-TOP SLOTTED DRAIN PIPE

### SIMPLE, EFFICIENT, AND ECONOMICAL

Lane's Open-Top Slotted Drain (OTSD) pipe is a convenient and economical way to collect sheet drainage. A practical combination of pipe and inlet structure, OTSD reduces or eliminates the need for traditional catch basin structures and has the added value of efficiently managing surface water sheet flow.



**Installing Lane's OTSD saves money and eliminates complex grading needed to accommodate catch basin structures.**

Lane's exclusive Continuous Slot Connector provides continuity between pipe sections and eliminates the need for special connecting bands—a standard annular band does the job.

A completely galvanized system constructed by securing a slotted grate atop Lane's corrugated metal pipe, OTSD is designed specifically to intercept sheet flow from roadways, loading docks, parking lots, airport surfaces, or factory floors.

Each 20' section can handle up to a 1.8" surcharge depth and can be used almost anywhere: for curbside drainage, cross drains at intersections or driveways, and interior drains at plants and factories.



## END SECTIONS

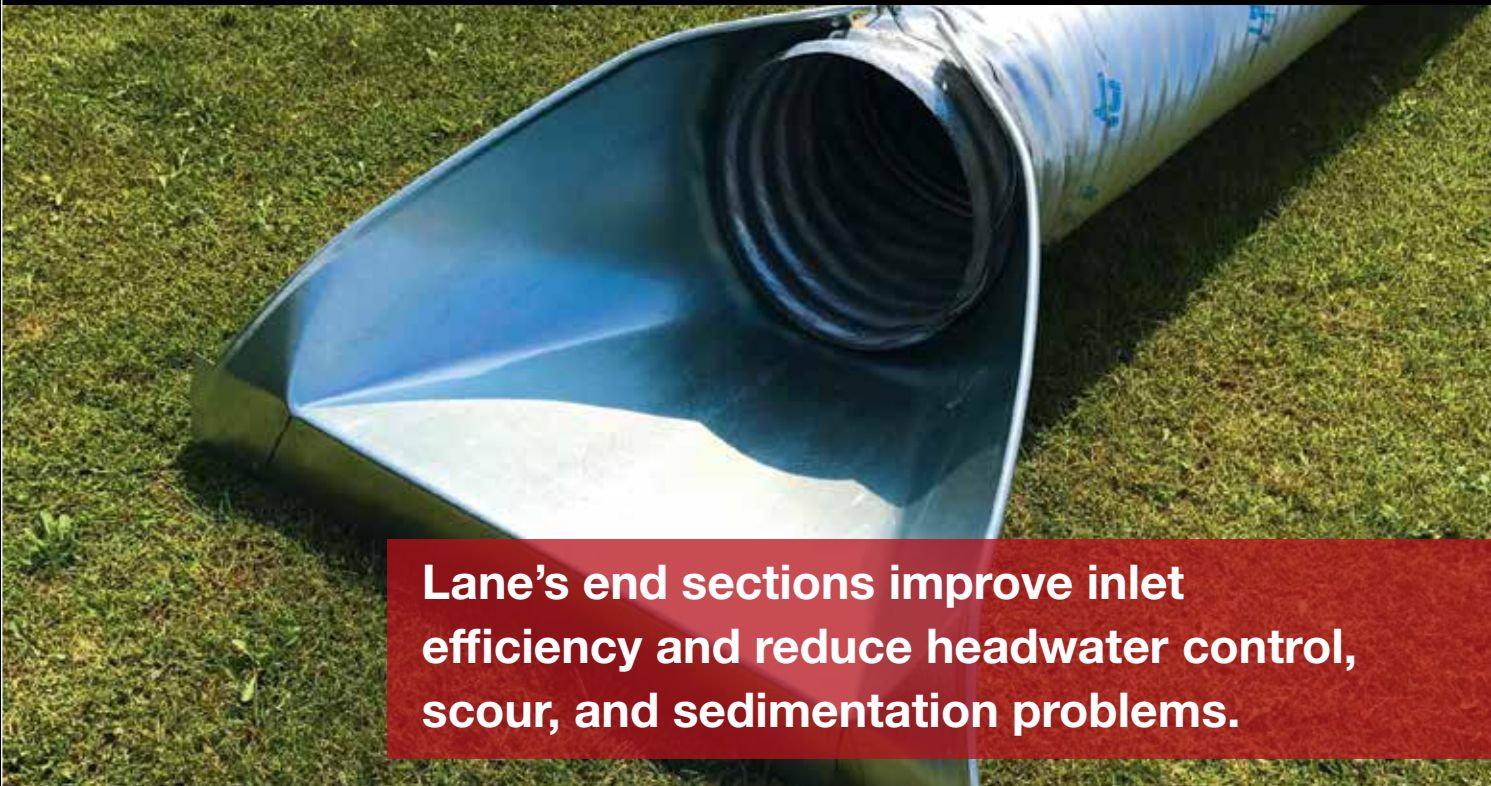
### HYDRAULICALLY SUPERIOR TREATMENT FOR CULVERTS

Lane's metal end sections provide a practical, economical and, attractive end treatment for metal culverts. Our prefabricated, flared design is hydraulically efficient, reduces soil erosion, and easily blends into the finished slope.

The lightweight, flexible metal construction of Lane's end sections are made to fit culvert inlets and outlets of all sizes. They can be used with either annular or helical corrugated metal pipe or high-density polyethylene (HDPE) pipe.

### BENEFITS OF END SECTIONS:

- No special tools or equipment required to install
- End sections easily join to culvert barrels, forming a continuous, convenient, one-piece structure
- Toe plates prevent undercutting



**Lane's end sections improve inlet efficiency and reduce headwater control, scour, and sedimentation problems.**

## STORMWATER MANAGEMENT SYSTEMS

### COST EFFICIENT AND SMART BY DESIGN

Underground or buried storm water storage systems have quickly become a standard site development feature. Maximizing prime real estate and eliminating the hazards, risks, and poor aesthetics of above-ground basins has led to the development of a number of different products. With sizes up to 12' diameter and a full range of fittings, CMP becomes the most versatile, cost-effective, and durable option in the market.

### ADVANTAGES OF LANE STORMWATER MANAGEMENT SYSTEMS:

- The larger sizes available allow for less obtrusive footprints
- Installs faster, is stronger, and more reliable than other systems
- Completely integrated flow control devices and other custom fittings
- Perforated pipe offerings for infiltration, retention, or groundwater recharge applications
- Available in all the different CMP material options to meet specific service life requirements

### REDUCE ENGINEERING TIME

Lane can provide the complete package for your stormwater management system, including engineering design, drawings, and supporting hydraulic submittals.



Contact your Lane representative to start your stormwater management package today.

# ALUMINUM DRAINAGE PIPE

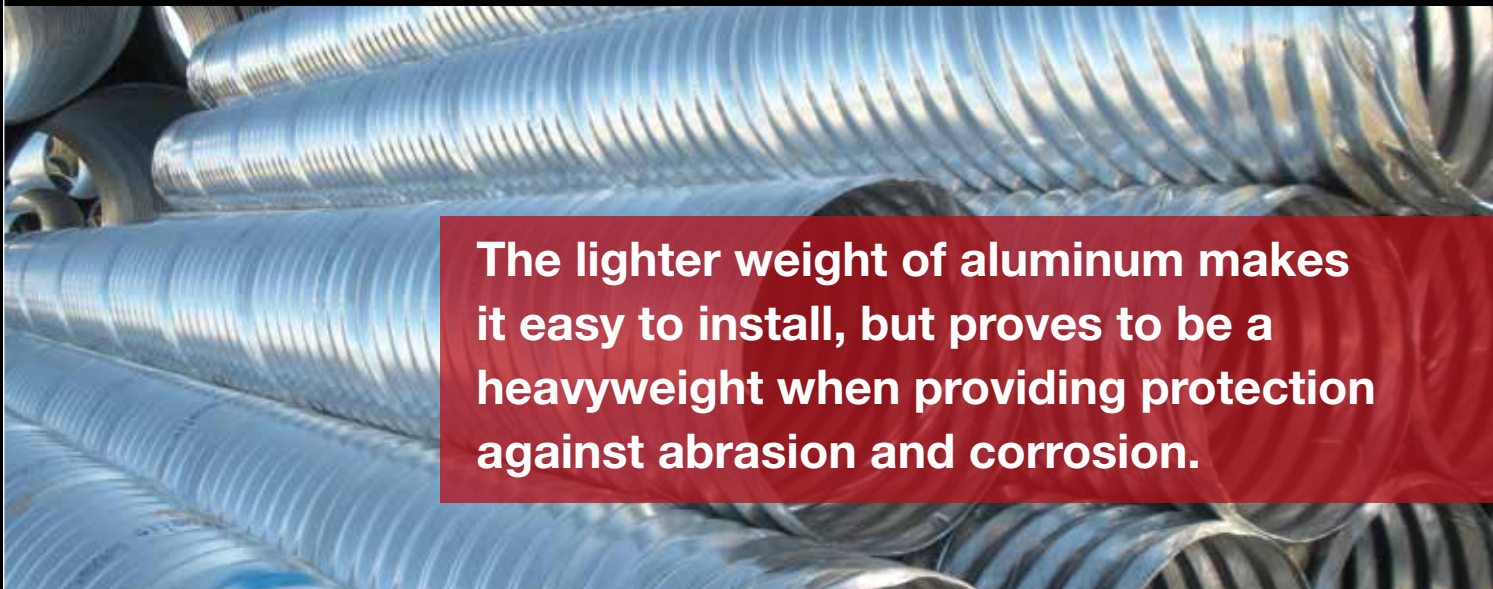
## TOUGH, LIGHTWEIGHT, AND RELIABLE

Lane's aluminum drainage products provide added protection with a tough oxide film and an alloy that is specifically formulated to resist the effects of corrosion and abrasion.

The core material for aluminum drainage products is highly corrosion resistant and is even further improved by cladding each surface of the core.

## BENEFITS OF ALUMINUM DRAINAGE PIPE:

- Lightweight
- Easy to Install
- Long Service Life



The lighter weight of aluminum makes it easy to install, but proves to be a heavyweight when providing protection against abrasion and corrosion.

## CORRUGATED ALUMINUM ALLOY PIPE (CAAP)\*

SIZES, SHAPES, CORRUGATIONS, AND METAL THICKNESSES

Corrugations	Round	Pipe-Arch (Span x Rise)
2 <sup>2</sup> / <sub>3</sub> " x 1/2"	12" to 72"	14"x 9" to 83"x 57"
3" x 1"	36" to 120"	53"x 41" to 142"x 91"
(SRP) 3/4" x 3/4" x 7 1/2"	15" to 84"	20"x 16" to 81"x 59"

16 gauge (0.060"), 14 gauge (0.075"), 12 gauge (0.105"), 10 gauge (0.135"), 8 gauge (0.164")

\*Typical size ranges only. Consult a Lane representative for availability beyond these limits.



**LANE Enterprises, Inc.**

3905 Hartzdale Drive, Suite 514  
Camp Hill, PA 17011  
P: 717.761.8175 • F: 717.761.5055  
[lane-enterprises.com](http://lane-enterprises.com)

**LANE Facilities**

**PENNSYLVANIA**

Bedford 814.623.1191  
Carlisle 717.249.8342  
King of Prussia 610.272.4531  
Pulaski 724.652.7747  
Shippensburg 717.532.5959

**VIRGINIA**

Bealeton 540.439.3201  
Dublin 540.674.4645  
Wytheville 276.223.1051

**NEW YORK**

Ballston Spa 518.885.4385  
Bath 607.776.3366

**NORTH CAROLINA**

Statesville 704.872.2471

**TEXAS**

Temple 254.727.3346

**CORPORATE HEADQUARTERS**

Camp Hill 717.761.8175

**LANE Products**

- Corrugated Metal Pipe
- Spiral Rib Pipe
- Corrugated HDPE Pipe
- Corrugated Polypropylene Pipe
- Structural Plate Pipe and Arches
- Structural Plate Box Culverts
- Storm Water Collection Chambers
- Storm Water Management Systems
- Storm Water Filters
- CFT (HDPE) Water Quality Unit
- CMP Sandfilter
- Open Top Slotted Drain
- Welded Wire Mesh Gabions
- Structural Plate Headwall-Culvert Systems
- Custom Fabrications (Pond Kits, Trash Racks, etc.)
- Long Span Bridge & Culvert Services
- Rebar and Custom Powder Coatings



[ncspa.org](http://ncspa.org)

