

The logo for LANE, featuring the word "LANE" in a bold, red, sans-serif font. The letters "A" and "N" are partially enclosed by a light gray circular ring that is positioned behind the text.

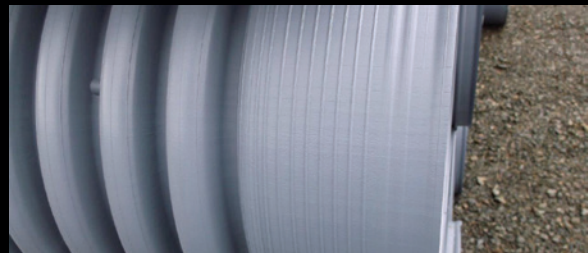
LANE

PRO 100 PIPE

**LONG SERVICE LIFE, POLYPROPYLENE SMOOTH INTERIOR
AND DUAL WALL CONSTRUCTION**

PRO 100 PERFORMANCE

With watertight joints utilizing in line bell and spigots, PRO 100 meets the requirements of ASTM D3212 (10.8 psi lab tested) and provides superior in service joint performance for sensitive jobs. The extended bell provides an additional protection from leakage. The smooth interior of PRO 100 results on some of the most efficient pipe available for storm water. A manning's coefficient of 0.012 is conservative and still gives excellent drainage performance.



THE PRODUCT // PRO 100 pipe provides superior in service joint performance for sensitive jobs.

SPECIFY LANE PRO 100 PIPE

Lane's PRO 100 is today's top corrugated Polypropylene pipe featuring a dual wall, smooth interior and the long service life that you and your customers deserve. Available in 12" – 60" diameter, Lane PRO 100 provides improved handling performance and beam strength for tough jobsite conditions combined with the smooth interior that result in excellent flow properties.

SPECIFY LANE PRO 100 TO MEET ASTM F2881

Lane's Polypropylene exceeds ASTM F2881 by using a compound with better long term properties than required by ASTM. The superior compounds utilized provide excellent pipe stiffness and handling characteristics.

SPECIFY LANE PRO 100 TO MEET AASHTO M330

PRO 100 exceeds the rigorous standards of AASHTO M330. Using 100% virgin Polypropylene resin impact modified co-polymer compound. PRO 100 provides the durability and strength required to meet job conditions in all phases of construction and weather.



FITTINGS AND FABRICATION

Lane's fitting fabrication shop is capable of producing a full assortment of fittings and custom fabrications for all pipe diameters. Fittings for water storage, storm water conveyance, and other applications are available. Fittings drawings are available from your Lane representative to aid the designer in the use of Corrugated Polypropylene pipe for varied applications.

INSTALLATION

PRO 100 interacts with the selected backfill and proper installation to form a composite structure. As with all pipe products proper installation improves performance of the soil – pipe interaction system. Installation should be in accordance with guidelines established in ASTM D2321 to illicit the best performance.

MINIMUM COVER HEIGHTS

Minimum cover heights are established with industry accepted guidelines. Smaller cover heights than those listed may be possible. Contact your Lane representative should your job require minimums that are less than those listed here.

Truck Loadings (H20, H25 or HL93) ¹ , 12” thru 48” dia.	12”
Truck Loadings (H20, H25 or HL93) ¹ , 60” dia.	24”
Minimum Cover for E-80 (Rail Road) Loads	24”
Temporary Cover for Construction Loads ²	2’ to 4’

¹ May be subject to local or state agency minimum cover requirements.

² Cover for construction loads depends on pipe diameter and construction equipment (see table below).

MAXIMUM COVER HEIGHTS

Maximum burial depths correspond to the soil classification system of ASTM D2321 and are shown in the table below, with the best results obtained using manufactured or processed aggregates. (i.e. crushed stone.)

Lane PRO 100 (PP) Pipe - Allowable Burial Depths (ft)						
Dia. (in.)	Class I		Class II		Class III	
	Comp.	Dumped	95%	90%	95%	90%
12	40	24	28	20	21	14
15	46	25	31	23	24	14
18	31	20	22	15	16	11
24	29	19	21	15	15	11
30	29	19	20	14	15	11
36	39	22	26	18	19	12
42	38	21	25	18	18	11
48	31	19	21	14	15	10
60	30	19	21	14	14	10

1. Installation in accordance with ASTM D2321.
2. Class I indicates a soil that generally provides the highest soil stiffness at any given percent compaction and provides a given soil stiffness with the least compactive effort. Each higher number soil provides successively less stiffness at a given compaction and requires greater compactive effort to provide a given level of soil stiffness.
3. All acceptable backfill materials are not presented here. See ASTM D 2321 for a complete listing of classifications.
4. Results are based on the ASHTO LRFD design method using zero hydrostatic pressure and a soil density of 120 pcf. Greater cover heights are attainable with appropriate modifications to the design method. Contact Lane for further assistance.
5. Dumped Class I material is estimated at 90% maximum standard Proctor density.

About **LANE**

As a full-line manufacturer of metal and plastic drainage products, Lane Enterprises, Inc. operates several plants within the mid-atlantic and northeastern regions of the United States. Lane produces corrugated metal and plastic drainage pipe for the construction industry.

For more than 75 years, Lane has partnered with contractors, engineers and municipalities to supply reliable products that provide the highest 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.

LANE'S **PIPE PRODUCT LINE**

Lane provides the complete product line to meet all your drainage needs. With our newest product offering, Lane PRO 100 pipe, we have the most comprehensive flexible pipe offering in the market. Lane's PRO 100 pipe provides additional solutions for the most demanding subsurface drainage applications. Lane PRO 100 pipe has the strength and service life needed to meet your project needs in even the most demanding applications.

***LANE'S PRO 100 //** is today's top corrugated Polypropylene pipe featuring a dual wall, smooth interior and the long service life that you and your customers deserve.*



LANE Enterprises, Inc.

3905 Hartzdale Drive, Suite 514
Camp Hill, PA 17011
P: 717.761.8175 • F: 717.761.5055
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

CORPORATE HEADQUARTERS

Camp Hill 717.761.8175

LANE Products

Corrugated Metal Pipe
Spiral Rib Pipe
Corrugated HDPE Pipe
Structural Plate Pipe
Corrugated Polypropylene Pipe
Low Profile Box Culvert
Open Top Slotted Drain
Stormwater Management Systems
CFT (HDPE) Water Quality Unit
CMP Sandfilter
Custom Fabrications
Welded Wire Mesh Gabions
Structural Plate Headwalls
Long Span Bridge & Culvert Services
Rebar and Custom Powder Coatings



plasticpipe.org

