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Thomas D. Hardester  
Performance Pipe  
5085 W. Park Blvd. # 500  
Plano, TX 75093

RESEARCH REPORT: RR 5718  
EFFECTIVE DATE: 05/01/2018  
EXPIRATION DATE: 05/01/2019  
Telephone: 859-409-2064

**GENERAL APPROVAL - Renewal** - "Driscoplex 4100" Polyethylene (PE) Tubing and Fittings, manufactured by Performance Pipe.

### DETAILS

These products are polyethylene (PE) pipe and fittings intended for use in building sewer systems. Pipes and fittings are available in sizes 2" through 54". These pipes are listed in accordance with ASTM D3035 for sizes  $\leq 3$ " and ASTM F714 for sizes  $\geq 4$ ". These pipes are identified as solid black in color with optional green stripes for wastewater.

The approval is subject to the following conditions:

1. These products may be used in underground applications for building sewer per Chapter 7 of the Los Angeles Plumbing Code (LAPC), 2017 Edition.
2. These products shall be installed underground and outside the building footprint only. These pipes shall be installed in accordance with the manufacturer's instructions, the LAPC, 2017 Edition, and this research report.
3. Trenchless installation of the pipe shall be performed as follows:

An accurate and complete video inspection shall be performed BEFORE and AFTER the installation in order to determine locations and depths of all "wye" connections, tees and access holes. The video inspection must be witnessed by the Department's plumbing inspector(s).

Mark detail information revealed by the video inspection including:

- a. The ground surface to show the location of the lateral tie of the city wye.
- b. The line location with an arrow in the street pointing back at the lateral.
- c. The property denoting the lateral location.
- d. The locations of the proposed excavations.

## Performance Pipe

4. These products shall not be used in residential or commercial rainwater or subsurface piping systems.
5. Slope of drainage systems shall be in compliance with Section 94.708.0 of LAPC, 2017 Edition.
6. The sizing of the system shall be in accordance with the manufacturer's recommendations and the LAPC, 2017 Edition.
7. These products shall be installed in accordance with the manufacturer's recommendations using butt fusion, saddle fusion or flanges that are restrained.
8. Mechanical plans shall be drawn and submitted for approval to Mechanical Plan Check Section for systems discharging 217 or more drainage fixtures units. A plumbing permit shall be obtained for each installation of these products.
9. All PE materials shall be tested, listed and provided with the appropriate markings by a City of Los Angeles recognized testing and listing agency in accordance with the 2017 City of Los Angeles Plumbing Code mandatory referenced standards.
10. Pipe shall be identified with continuous printed letters as follows: manufacturer's name and/or trademark, temperature and pressure ratings, nominal pipe size, batch number, and production date, and other marking requirements per Section 301.2.1 of the LAPC, 2017 Edition.

## DISCUSSION

Mechanical Testing Laboratory reviewed current test reports and listing certificates. These products have been tested in compliance with NSF 14, ASTM D3035 for sizes  $\leq 3''$  and ASTM F714 for sizes  $\geq 4''$ . The products are equivalent to that prescribed by the Los Angeles Municipal Code in quality, strength, effectiveness, durability and safety.

For this General Approval to be valid on any individual construction project in the City of Los Angeles, an engineer or inspector of the Department of Building and Safety must make a determination that all conditions of the General Approval required to provide equivalency have been met in the case of each construction project under consideration.

Approval is granted under Sections 94.301.0, 94.312.0, 94.315.0, 94.701.0, and 708.0 of the Los Angeles Plumbing Code, 2017 Edition.

Approved by:



Irene Pool Tamayo  
Mechanical Testing Laboratory  
Permit and Engineering Bureau