Big ‘O’ Highway Pipe

Big ‘O’ single wall highway pipe is a cost effective solution for street and highway drainage applications including edge drains, cross drains, and underdrains. Big ‘O’ protects roadway foundations by draining water away from them. It can also help prevent unsafe driving conditions due to water accumulation on road surfaces.

Big O’s High Density Polyethylene (HDPE) construction combines strength and durability in a lightweight product. **Meeting ASTM F667 and AASHTO M252, it is rated to HS-25 Highway Traffic Loads when installed with a minimum 300mm (12in) height of cover.**

Unlike alternative materials, Big ‘O’ highway pipe stands up to the most challenging environmental conditions and is unaffected by freeze-thaw cycles. It is available in long roll lengths minimizing joints and reducing installation time. Split and insert couplers deliver a soil-tight connection.

Durable

Highly chemical and abrasion resistant and can withstand repeated freeze/thaw cycles

Lightweight

Easy to handle with minimal equipment

Easy to Install

Longer pipe lengths require fewer joints allowing quicker installation

PIPE SPECIFICATION

Scope

This specification covers the requirements of 75mm to 300mm nominal diameter single wall corrugate high density polyethylene pipe for gravity-flow subdrainage applications. Each size is available in solid, perforated or perforated with geotextile sock filter.

Materials

Pipe shall be manufactured from high density polyethylene resin which shall meet or exceed the minimum cell classification class 323410C.

Pipe Dimensions

The nominal size of the pipe is based on the nominal inside diameter of the pipe. The tolerance on the specified inside diameter shall be +3 /-1.5%.

Nominal Inside Diameter (mm)	75	100*	150*	200	250	300
Nominal Outside Diameter (mm)	90	120	180	240	305	375

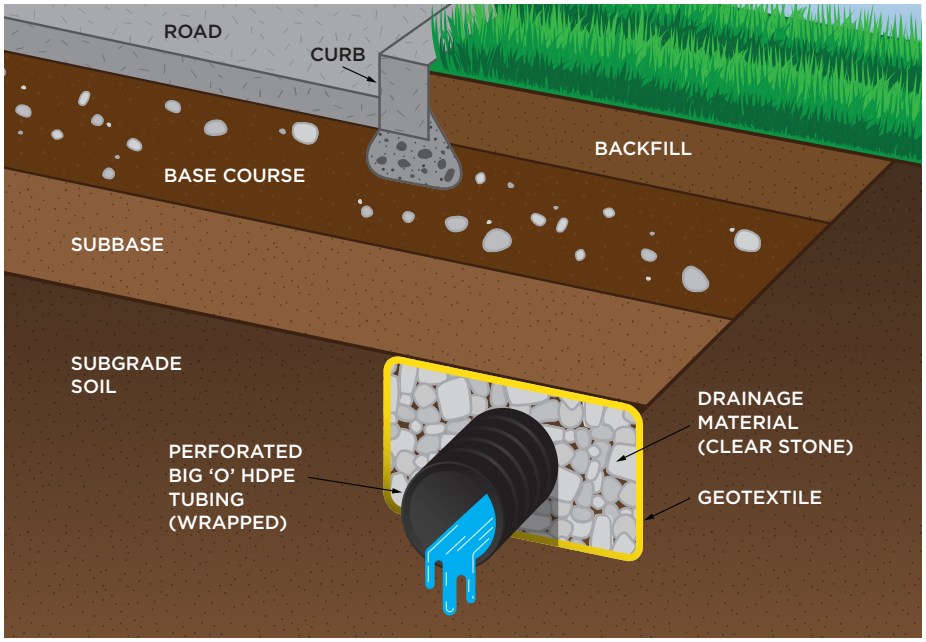
NOTE:
Our nominal pipe sizes 100mm and 150mm are certified by CSA as meeting the requirements of ASTM F667 standard.

Joints

The pipe shall be joined with snap, insert or split couplers.

Pipe Stiffness

The pipe shall have a minimum pipe stiffness of 210 kPa / HD 320 kPa at 5% deflection. Tests shall be conducted in accordance with ASTM D2412.



Subsurface drainage extends the service life of streets and highways.

Armtec is a member of The Plastic Pipe Institute

Armtec is a leading national manufacturer of a comprehensive range of infrastructure products and engineered construction solutions for customers in a diverse cross-section of industries. With operations coast to coast, we are a trusted partner for transportation, public works, forestry, oil and gas, and mining operations throughout the country and abroad. Since 1908 our commitment to quality, customer service and innovation has set the benchmark in the Canadian drainage and bridge landscape.

Call **1-800-565-1152** or visit **armtec.com**