



Opening a wider
range of possibilities.

Elliptical pipe helps make the most of available space.



Elliptical Concrete Pipe

Elliptical concrete pipe is an excellent solution to a variety of challenging situations. For example, when height or width restrictions exist, elliptical pipe can take maximum advantage of available space. In addition, horizontal elliptical pipe is ideal when greater capacity is required at shallow depths of flow. Vertical elliptical pipe is an excellent option for very high fills and when higher flushing velocities are required for low flows.

Hanson Pipe & Precast is a leader in concrete pipe and precast concrete products. Our national network of facilities means that we can deliver materials when and where you need them.

Applications

Elliptical concrete pipe can be used for the following:

- storm drains
- culverts
- underground stormwater retention systems
- jacked or tunneled systems
- pedestrian undercrossings (vertical elliptical)

Joints

Elliptical concrete pipe is generally produced with tongue and groove joints for sealing with preformed mastic or butyl gaskets or mortar. Note that the tongue and groove joint is not intended to be watertight. Rather, it is intended to be soil tight. Some Hanson markets offer a rubber gasketed joint for elliptical pipe. Please contact the local Hanson sales office for availability.

Sizes

Elliptical concrete pipe is normally available in circular equivalent diameters of 15" through 144". In Canada, elliptical pipe is available in diameters of 450mm through 2700mm.

Linings/Coatings

A variety of linings and coatings are available should project conditions dictate their use.

Applicable Specifications

The following specifications apply to elliptical concrete pipe:

- ASTM C507 / AASHTO M207 – reinforced concrete elliptical culvert, storm drain and sewer pipe
- various DOTs

