



REINFORCED CONCRETE ARCH PIPE

PRODUCTS



GROUNDING IN STRENGTH

Allow our broad range of cost-effective customizable products to bring value to your next project.

At Forterra we take pride in our ability to bring our customers the affordable, quality construction materials they need. Providing pre-fabricated designs that save time and money while increasing safety is one of many ways we do just that.

Reinforced Concrete Arch Pipe

Reinforced concrete arch pipe is ideal for a variety of specialized conditions such as space constraints, limited fall and insufficient depth for circular pipe. Concrete arch pipe provides exceptional strength and a hydraulically efficient Manning's "n" of 0.012. Concrete arch pipe offers a superior alternative to metal arch and multiple lines of smaller circular pipe.

applications

Reinforced concrete arch pipe can be used for the following:

- highway culverts
- railroad culverts
- short span highway bridges
- storm drains
- utility tunnels
- underground stormwater retention structures
- groundwater recharge systems
- to replace existing open channels or ditches, and enable land to be used more productively
- jacked or tunneled installations

joints

Reinforced concrete arch pipe is produced with tongue and groove joints for sealing with mastic joint compound, preformed flexible bitumen or butyl rubber gaskets, mortar or external joint wraps.

sizes

Reinforced concrete arch pipe is normally available in round equivalent sizes of 15" diameter through 72" diameter, with sizes up to 144" diameter available in some locations. Contact your local Forterra representative for specific sizes in your market.

linings/coatings

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

applicable specifications

The following specifications apply to reinforced concrete arch pipe:

- ASTM C506 / AASHTO M259 – reinforced concrete arch culvert, storm drain and sewer pipe
- ASTM C990 – preformed flexible joint sealants

