



## HEADWALLS AND WINGWALLS

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.

### Headwalls and Wingwalls

Precast wingwalls and headwalls improved the flow of your conduit, finish and secure the ends of gravity pipe, box culverts and bridge sections. They are designed to function together with the conduit and ensure maximum flow performance at both the inlet and outlet and provide a sound, functional and permanent structure.

### Applications

Head and wingwalls are used for the following:

- Conduit enters or exits finished grade
- Earth embankment surrounding the pipe must be retained
- The exposed pipe ends pose a danger to traffic
- Customized to any skew angle to meet the project dimensions
- Flow must be channeled into or out of a conduit
- Optional steel grilles can be added
- Baffles can be added to apron slabs to dissipate energy

### Sizes

Head and wingwall system available for every conduit size.

### Benefits

- No costly forms or mounds
- Minimizes bank scouring and culvert blockages
- Efficient installation
- lift anchors cast into the wingwalls
- complete system of headwalls, wingwalls and footings available

### Joints

Headwall and wingwall systems are usually connected structurally to the adjacent conduit

### Types

- Parapets
- Free standing wingwalls
- Free standing headwalls
- Precast aprons

