Why choose Concrete Pipe?

Durability = Economic + Structural + Hydraulic Performance

Durable

- Concrete pipe is designed to perform as expected for the life of the project (typically 70-100 yrs)
- Its functional life is at least twice as long as lesser materials
- Concrete won't burn, rust, tear, buckle, deflect, and is immune to the attack of most elements, whether buried or exposed

Dependable

- Technological advances in research and development of concrete mixes, pipe design and manufacturing processes allow for product to withstand a complete range of underground environments and effluent profiles
- There is better understanding about concrete pipe products by professionals involved in planning, design, construction and installation

Sustainable

- Concrete pipe is the most durable and sustainable material for infrastructure and major construction
- It maintains structural integrity and reduces the cost of repairs and replacement
- It integrates well with future expansions or alterations

Environmentally Friendly

- Concrete pipe is suitable for LEED and sustainable development
- It is made entirely of natural materials; consumes less energy to manufacture than alternative materials
- Concrete pipe's rigid nature makes it ideal for removal, replacement and reuse

Value

- Concrete pipe maintains its value because of its rigidity and lack of maintenance or replacement once installed
- Design, installation and inspection costs for concrete pipe are lower than comparable costs for alternative products

Strength

- Precast concrete pipe is the strongest pipe available; it can be designed and tested to meet any load requirement
- Compressive strengths for concrete pipe typically range from 4000 to 8000 psi depending on aggregates, cementitious materials used, the manufacturing and curing process, and mix design
- Concrete pipe strength is standardized by ASTM C76 and AASHTO M170
- Concrete pipe's wire reinforcement adds significantly to its inherent strength

Source: ACPA (American Concrete Pipe Association)