

# Why Specify Clay Pipe?

**Over the long-term, VCP is the best value.**

## Operations & Maintenance

**Aggressive cleaning options reduce annual maintenance costs by reducing SSOs and dig-ups over the service life of the installation.**

Aggressive Cleaning and Maintenance Options for VCP:

- Hydrostatic Nozzles
  - VCP is rated for 5,000 psi
  - No limits on jetting angles or nozzle weight
- Mechanical Tooling
  - Hand rodding, mechanical rodding, grinding/cutting, chain flail, mechanical root saw and bucketing are all acceptable cleaning tools for clay pipe
- Wastewater Odor Control
  - No limits. Because clay is chemically inert, any odor control chemical can be used in VCP lines

No other sanitary sewer pipe material provides the same long-term service options or the same long-term value.



## Longevity & Sustainability

**A demonstrated service life of over 200-years in the U.S. is the longest proven service life in the industry.**

The natural properties of VCP make it uniquely suited to the high-sulfur, highly-abrasive and highly-demanding environment of a sanitary sewer.

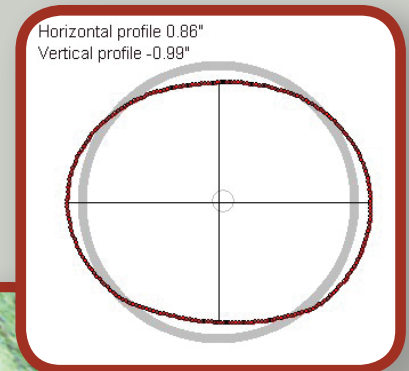
Material Properties:

- VCP is unaffected by age, light or chemicals.
- Comparatively, plastics degrade over time and become brittle as the material ages, resulting in substantial loss of tensile strength, deflection and ultimately pipe collapse.
- As a kiln-fired ceramic, VCP is naturally inert. It does not change over time.

Natural material longevity and expanded maintenance options combine to deliver the best long-term value in sanitary sewer pipe. Municipalities consistently prioritize long-term value over short-term cost. That is why public buildings and schools are generally built with brick and it is why clay is the right choice to serve the long-term interests of your community.



**120-year old VCP pipe recently replaced to increase the capacity of the main.**



**CCTV image (left) and deflection profile (above) of a 42-year old PVC pipe at the end of its service life.**

## Find Out More

Contact our office at 262-742-2904 to discuss specific project challenges or schedule an educational presentation. Popular topics include: Sanitary Sewer Pipe Material Comparison, VCP Installation & Inspection, Trenchless Methods with Vitrified Clay Jacking Pipe or VCP Operation and Maintenance.

Use the NCPI Toolbox to compute trench loads on our website at [ncpi.org](http://ncpi.org).



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