

Information Brief

Clay Pipe Delivers the Lowest Cost per Year

- Clay Lasts Longer than Plastic
- Modern Joints Keep Roots Out
- No Need to Replace System in 50 years



CASE STUDY

CLAY DELIVERS 100+ YEARS OF SERVICE LIFE

The Army Corps of Engineers recognizes that clay has a 100 year service life. Cities seeing even longer service life of clay pipe include:

City	First Install	Age (Yrs)
Washington, D.C.	1815	198
Philadelphia	1829	184
Boston	1832	181
Chicago	1856	157
Los Angeles	1873	140

Plastic Promises Only "Up to 50 Years"

Major manufacturers and their trade associations make it clear that their product will not last as long as clay.

If You Want Your Sewer to Last 100 Years, You Can Put in Clay Once ... or Plastic Twice

In certain applications, clay pipes may cost a bit more per foot than plastic. And they may take a bit longer to install. But data shows that clay sewer pipes last longer. So your rate payers get the lowest "cost per foot per year."

FOR FURTHER INFORMATION

We have additional information on NCPI-certified training programs to help your contractors and inspectors install your clay pipe design correctly, so you get all the benefits you expect. For additional information, please contact us.

CLAY DELIVERS THE LOWEST 'COST PER FOOT PER YEAR'

Project

Casa Grande, Arizona (Gila Bend Sewer Interceptor)

Key Specifications

- Pipe Size = 24"
 - Project Length = 4,583 ft.
 - Bedding Factor = 1.9
 - Max. Depth = 17 ft.
 - Max. Trench Width = 66 in.
 - Bedding Class = B
- (complete project details available upon request)

COMPARISON OF CLAY VS. PVC

	Clay	PVC
Installed Cost of Pipe & Bedding (this year)	\$273K	\$276K
Project Length	4,583 ft.	4,583 ft.
Installed Cost per Foot (this year)	\$59.49	\$60.19
Expected Service Life (years)	100	50
Added Cost to get 2nd 50 Years of Life	0	\$276K
Inflation & Interest Rate Factor	NA	0.9771
Net Present Cost of 2nd Installation in 50 years	NA	\$85K
Total Cost to get 100 Years of Sewer Life (NPV)	\$273K	\$361K
Cost per Foot per Year (of installed pipe)	\$0.59	\$0.79

To Get 100 Years of Sewer Life, Clay Costs Much Less



NATIONAL CLAY PIPE INSTITUTE



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