



PERFECT LINED MANHOLES

FOR NEW CONSTRUCTION



Advantages

- Lower lifecycle cost than polymer manholes
- Eliminates MIC-related structural degradation
- Avoids early rehabilitation cycles
- Predictable 50+ year performance
- Backed by 50-year warranty
- 500+ manholes installed in the U.S.
- Weld-free joints – No field welding required
- True watertight gasketed joint outperforms mastic in high ground water
- Easy inspection – Bright yellow liner excellent for low light

Eliminate MIC Risk at a Lower Lifecycle Cost

The Perfect Lined Manhole is a reinforced precast concrete manhole that meets ASTM C478 and is lined with a high-quality synthetic polymer liner, which protects the concrete from Microbial Induced Corrosion (MIC) when exposed to municipal and industrial wastewater. The bright yellow liner makes for easy inspection and maintenance.

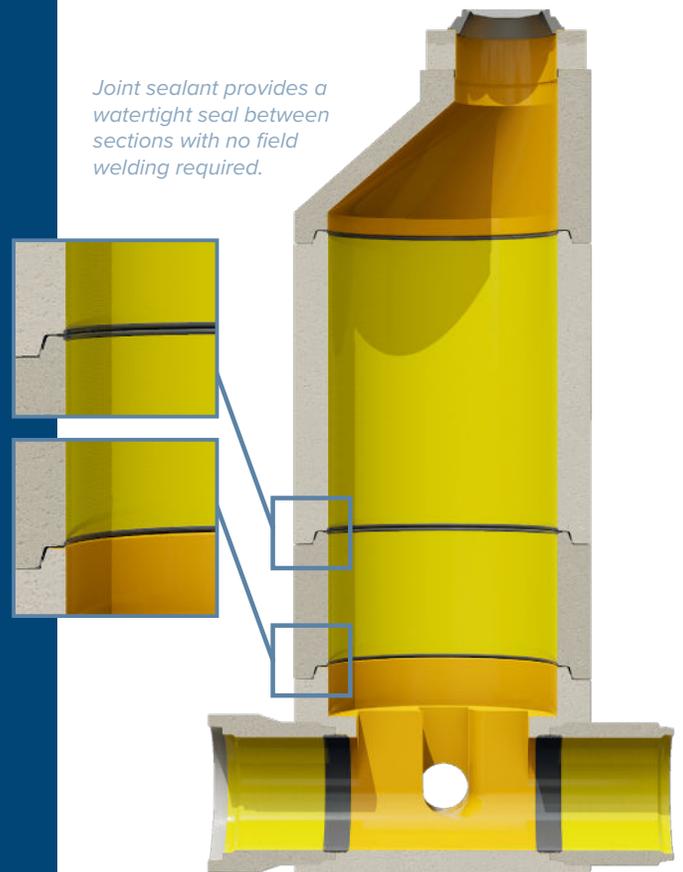
The entire structure of the monolithic manhole base is reliably leak-proof, and custom invert channels can accommodate pipe of almost any configuration or size.

Setting a new quality standard for wastewater systems, Perfect Lined Manholes are available in standard sizes 48" to 96" in diameter with weld-free joints (larger sizes are available with welded joints).

Applications

Municipal sanitary sewer systems • Corrosive environments • Deep burial installations • New construction

Joint sealant provides a watertight seal between sections with no field welding required.



For Texas Sales:
888-611-7275
park-sales@nwp.com
nwp.com

For National Sales:
801-225-2416
geneva-sales@nwp.com
nwp.com



Corrosion-Resistant Manhole Cost Comparison

Protective Field-Applied Coatings*

10-year service life

Polymer Concrete

> 50-year service life

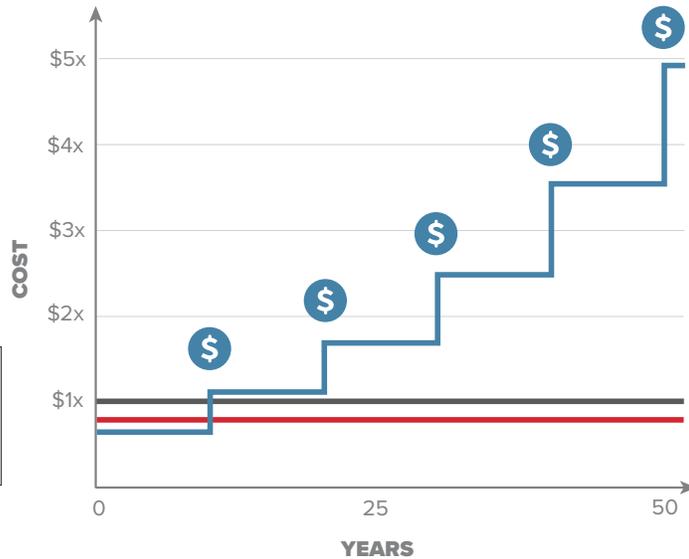
Perfect Lined Manhole

> 50-year service life

***Base and Future Cost Estimate**

Base = 50% precast concrete segments installed + 50% field-applied coatings year 0.

Future = Field-applied coatings every 10 years x 3% inflation per year.



**A number of sewer districts and manhole rehabilitation contractors commonly cite the life expectancy of field-applied coatings at 10 years or less.*

Option	MIC Resistance	Installed Cost	Inspection	Rehab Risk
Epoxy-Coated Precast	Poor	\$\$	Poor	High
Polymer Concrete	Excellent	\$\$\$\$	Fair	Low
Perfect Lined Manhole	Excellent	\$\$\$	Excellent	Low



Built to Industry Standards

Unlike polymer concrete manholes, Perfect Lined Manholes are produced to ASTM C478 specifications—including required wall thickness and steel reinforcement—providing reliable structural integrity for long-term performance.

Perfect Lined Manhole U.S. Installations | 2020-2025*

Municipality/Agency	Location	Date
DFW Airport	Dallas & Tarrant Counties, TX	2025 - present
Snyderville Basin Water Reclamation District	Park City, UT	2024 - present
Cucamonga Valley Water District	San Bernadino County, CA	2024 - present
Eagle Mountain City	Utah County, UT	2024 - present
Magna Water District	Salt Lake County, UT	2024 - present
Orem City	Utah County, UT	2024 - present
Taylorville Bennion Improvement District	Salt Lake County, UT	2024 - present
Heber City	Wasatch County, UT	2023 - present
Hilldale City	Washington County, UT	2023 - present
Ivins City	Washington County, UT	2023 - present
Salt Lake City Dept. of Public Utilities	Salt Lake County, UT	2023 - present
Saratoga Springs	Utah County, UT	2023 - present
Washington City	Washington County, UT	2023 - present

Municipality/Agency	Location	Date
Ash Creek Special Service District	Washington County, UT	2022 - present
Beaver City	Beaver County, UT	2022 - present
Cedar City Wastewater Division	Iron County, UT	2022 - present
Central Davis Sewer District	Davis County, UT	2022 - present
City of Logan	Cache County, UT	2022 - present
City of Yuma	Yuma, AZ	2022 - present
Kane County Water Conservancy District	Kane County, UT	2022 - present
Northshore Utility District	King County, UT	2022 - present
Selma-Kingsbury-Fowler County Sanitation District	Fresno County, CA	2022 - present
West Jordan City	Salt Lake County, UT	2022 - present
Jordan Basin Improvement District	Salt Lake County, UT	2021 - present
Springville City Sewer Department	Springville, UT	2021 - present
Vineyard City	Utah County, UT	2020 - present

**Installations as of 1/15/26 – contact NWPX for current project history and reference list.*



For Texas Sales:
888-611-7275
park-sales@nwp.com
nwp.com

For National Sales:
801-225-2416
geneva-sales@nwp.com
nwp.com

