



Access Covers and Gratings

PAMREX Manhole Cover Case Study

Austin Suburb Sees Benefits of PAMREX 32" Cover

Primary Selling Points



ONE-MAN OPERABLE



REDUCED INFILTRATION

Georgetown is a fast-growing community north of Austin, Texas, that recently changed its specifications to PAMREX 32" hinged manhole covers for both sanitary and storm sewer systems. Size and weight are a real problem with larger covers but are much less of an issue with the PAMREX 32", which provides the benefits of an increased clear opening while still allowing the cover to be lifted easily.

The PAMREX 32" features that proved most compelling were its lightweight, ergonomic design and its ability to reduce stormwater infiltration. The fact that no new lifting equipment is required to achieve a significant advance in worker safety is a value-added benefit to the Georgetown Water Services Utility. Factor in lower accident risks and subsequent reductions in lost time, and tangible cost savings have been achieved.

The stormwater infiltration problem plagues municipalities around the country. Georgetown experimented with infiltration dishes fitted under the manhole covers, but stainless steel dishes are expensive and attractive to thieves, while plastic ones — which are also costly — don't seem to last long. The PAMREX 32" provides the level of surface runoff resistance Georgetown needs.

- **Worker Safety** — The unique dual hinged design of the PAMREX 32" cover delivers a quantum leap in ergonomic efficiency despite the large cover size. Made from ductile iron, PAMREX covers are stronger than comparable cast-iron covers, yet are about 50% lighter. (The weight differential in Georgetown was 276 lbs. — PAMREX 32" frame and cover unit: 269 lbs.; cast-iron unit: 545 lbs.). Weight, however, is not the only difference; design is also a key factor. Most injuries occur because of the manner in which workers must remove a traditional cover from the frame. The hinge design of the PAMREX cover means the worker never has to handle the entire weight of the cover, ensures a good lifting posture, and significantly reduces the risk of serious back injury.



- **Reduced Infiltration** — PAMREX covers are designed with an elastomer gasket ring that helps seal the opening, reducing infiltration of runoff water. No accessories (infiltration dishes, for example) are required. The unit's unique hinge plugs help limit leakage while ensuring that the hinge housing remains clear, keeping the cover safe during routine maintenance. In addition, the gasket ring absorbs traffic shock and ensures cover stability and noise reduction regardless of traffic conditions.

There are over 6 million PAM units in the ground around the world utilizing technically advanced materials and engineering. Our focus on the needs of the end-user — rather than developing products merely to meet a minimum performance standard — led us to ductile iron, a superior alternative to cast iron in terms of weight, strength and designability.



Product:

PAMREX 32" hinged manhole cover

Municipality:

Georgetown, Texas

Local CertainTeed PAM Representative:

Jim Cox Sales / James Cox

PAMREX Features:

- High strength, lightweight ductile iron
- Load capacity: 120,000 pounds
- Hinged cover design for easy access
- One-man operable
- Gasket and hinge plug for reduced infiltration
- Optional locking devices available
- Independently tested and certified
- Available in 24", 28" and 32" clear openings

Contact Information:



877.351.3323

www.certainteed-pamcovers.com

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