

CertainTeed PAM

Access Covers and Gratings

PAMREX Manhole Cover Case Study

California Town Goes with PAMREX after Flood

Primary Selling Points



REDUCED INFILTRATION



ONE-MAN OPERABLE




ANTI-THEFT/SECURITY

Rohnert Park, California, is a community of approximately 42,000 people located near Santa Rosa, in Sonoma County. The Public Works Department began specifying PAMREX manhole covers for all new construction in 2004, and has been replacing existing covers with PAMREX units on an ongoing basis. And it all started with a single unit.

After a major storm, Public Works engineers noticed that the PAMREX cover installed as a demonstration in a flood-prone area was the only cover to remain virtually watertight, despite the presence of approximately three feet of water in the street.

The PAMREX cover also addressed local safety and security issues — from injuries suffered by workers grappling with heavy cast-iron covers to kids removing the covers and rolling them into a local creek bed — that resulted from the design of traditional covers and the material from which they're made.

- **Reduced Inflow** — PAMREX covers are designed with an elastomer gasket ring that seals the opening, decreasing the inflow of stormwater. The ring also helps preserve the entire manhole structure by absorbing traffic shock, reducing damage to the surrounding asphalt and concrete.
- **Worker Safety** — The hinged design of the PAMREX cover delivers a quantum leap in ergonomic efficiency, enabling the operator to adopt a less stressful posture and reducing the physical effort required to lift the cover by 50%. The lighter weight of the PAMREX covers (about 85 pounds less than the cast-iron covers they are replacing in Rohnert Park) further improves the ergonomics.  The hinge also retains the cover in a safe and controlled way during and after the lift, lowering the risk of serious back injury.
- **Security** — The optional PAMREX locking system specified by Rohnert Park ensures that these covers will not have to be fished out of the water following incidents of vandalism.

Firsthand experience with the benefits of PAMREX convinced the Rohnert Park Public Works Department to specify it for all future new construction and reconstruction projects. The 24" size is the most frequently used, but 32" covers have been used in force main applications.

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.



Products:

PAMREX 24" and 32"
hinged manhole covers

Municipality:

Rohnert Park, California

Local CertainTeed PAM Representative:

Titus Industrial Group / Lewis Titus

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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