

## Stormwater Management System

Centenario Industrial Park features a robust stormwater drainage system engineered to effectively manage surface runoff, mitigate flooding, and safeguard essential infrastructure during severe weather conditions.

### Technical Specifications:

- Enhanced premixed concrete channel system:
- Section 1.90 m in height x 2.70 m in width.
- Section 1.90 m in height x 5.00 m in width.
- Concrete  $f'c = 200 \text{ kg/cm}^2$ , reinforced with electro-welded mesh and #3 rebar at 15 cm intervals.
- Leveling and layout: High-precision topographic control to guarantee the hydraulic gradient.

### Regulations and Technical Guidelines:

- Design criteria informed by local hydrological studies and municipal regulations.
- Enhanced pipeline featuring a structural design optimized for high flow and extended service life.

### Strategic Advantages:

- Enhanced hydraulic capacity: prevents water accumulation on roadways, patios, and access points.
- Structural durability: channels exhibiting high mechanical resistance and an extended service life.
- Streamlined maintenance: accessible infrastructure for inspection, cleaning, and operation.
- Optimized network: synchronized with the road and drainage system, minimizing interference.
- The stormwater network is prepared for uninterrupted industrial operations, even during the rainy season.
- Mitigates the risks of damage from flooding or loss of functionality.