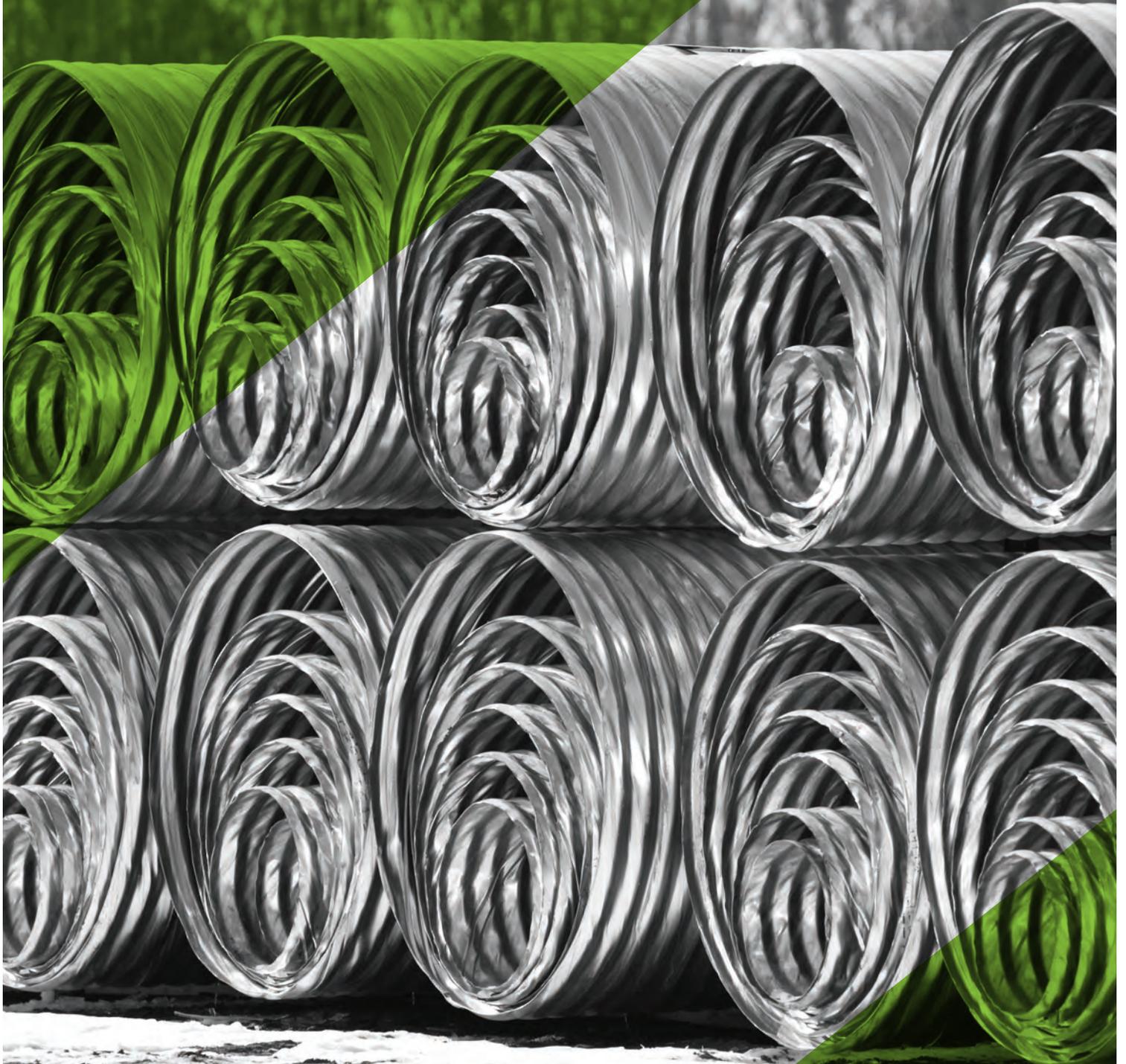


DRAINAGE SOLUTIONS



TITAN

With a selection of efficient drainage products for storm sewer, road culvert, and water collection and control applications you can rely on Titan as your drainage solutions provider. We partner with the best manufacturers in the industry and carry products that are engineered to deliver exceptional performance and value.

OUR PRODUCTS

Corrugated Steel Pipe (CSP)

Features:

- Available in galvanized, aluminized or polymer-laminated finish.
- Comes in round pipe or pipe-arch shape.
- Custom lengths ranging from 3m-15m (9.84ft-49.2 ft) with coupling system to prevent off-setting of sections.
- Various corrugation profiles and thicknesses:

Profiles:

38mm x 6.5mm ,68mm x 13mm, or 125 mm x 25mm

Thicknesses:

1.3mm, 1.6mm, 2.0mm, 2.8mm or 3.5mm

- Fittings and accessories available for a variety of applications.
- Approved to CSA Standard G401-07.

Benefits:

- 25-75+ year service life
- Offers low infiltration and exfiltration rates.
- Strong and durable—will not crack under impact loads or vibrations.
- Various protective finishes for different soil conditions and applications.
- Arch shape accommodates more restrictive height fill conditions.
- Versatile and able to meet design criteria for various applications.
- Can be used to reline existing systems.





High Density Polyethylene Pipe (HDPE)

Features:

- Available in dual wall smooth interior with corrugated exterior, solid or perforated single wall.
- Various lengths and diameters:
 - 6.1m (20') lengths in 100mm-750mm (4"-30") diameters*
 - 9.15m (30") lengths in 300mm-600mm (12"-24") diameters*
 - Larger diameters available upon request (900mm-1500mm)*
- Pipe stiffness of 210 kPa to 320 kPa at 5% deflection.
- Bell and spigot ends available for dual wall pipe.
- Split couplers available.
- Custom fittings available to for a variety of applications.

Benefits:

- Superior hydraulics – smooth interior prevents debris or sediment build-up.
- Easy to handle, safe, lightweight = quick installation with less labor and equipment.
- Superior resistance to chemicals, road salts, motor oil and gasoline – will not rust, deteriorate, or crumble.
- Corrosion and abrasion resistant.
- UV resistant.
- Can be installed on top of, or buried in the ground.
- Can be trimmed on-site as needed.





Flap Gates

Features:

- Automatic—flap operates with flow pressure.
- Available in galvanized steel or cast iron frame and cover.
- Comes in a variety of sizes with flat back or spigotback frame for various installations.
- Built in safety bar to prevent sticking.
- Available with galvanized steel angle, stainless steel or brass links and bolts.
- Steel assembly hardware.
- Cast iron gate has optional bronze seating face, taper settings collars and pipe adapters.

Benefits:

- Free outflow and sealing against back flow.
- Maintenance free operation.
- Can be mounted on headwalls, corrugated steel pipe or concrete pipe.

GALVANIZED STEEL GATE



CAST IRON GATE





Canal Gates

Features:

- Operates with manual “easy-grip” handwheel that adjusts allowable flow.
- Cast iron frame and cover.
- Adjustable side wedges.
- Comes in a variety of sizes with flat back or spigotback frame for various installations.
- Optional rising and non-rising stem extensions and bronze seats.
- Available in two different models for specific installations:

C-20

*For moderate pressure cut-off needs where there is moderate seating or low unseating pressures.
Ideal for treatment plants, flood control projects, irrigation canals and diversion stands*

C-10

*For canal and pipeline systems that operate at low heads where a moderately priced gate is preferred.
Ideal for farm turnouts, control of industrial wastes, drainage and tide control*

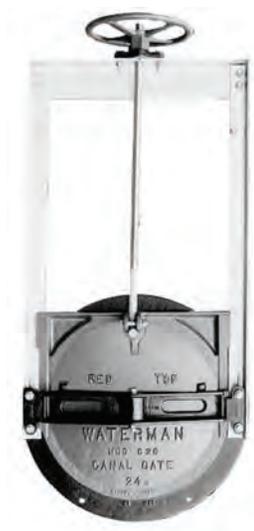
Benefits:

- Can be mounted on headwalls, corrugated steel pipe or concrete pipe.
- Select design variations can be made to match existing equipment requirements.

C-10 GATE



C-20 GATE





TITAN ENVIRONMENTAL CONTAINMENT

Titan Environmental Containment specializes in the supply and installation of high quality geosynthetics and specialty construction products that help manage and protect the environment. Our product lines include geomembranes, geotextiles, geogrids, primary & secondary containment systems, drainage solutions, and erosion & sediment control products. We service the road construction, agricultural, waste management, water resources, mining, oil and gas, and hydro electric industries that support essential infrastructure worldwide. Our goal is to help our clients save money, reduce risk, and minimize impact on the environment

Collectively our team has over 300 years of installation, sales, project management and engineering experience. With a wealth of knowledge on our side we excel at working with our clients in the consultation, planning and execution phases of any project to provide you with the most cost effective solution, and get the job done right, on time, and on budget.

TITAN ENVIRONMENTAL CONTAINMENT

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TRUST. QUALITY. VALUE