Municipal Water Market Products
Oldcastle Enclosure Solutions delivers lasting performance in the field, protecting, concealing, and accessing critical infrastructure to keep your community running strong.
To help you pick the right Enclosure for the application, there are a few basics you should define first:

**Know Your Required Performance Level**
Enclosures must withstand the loads *reasonable to expect* based on the installation location. Our bodies and lids are rated for performance to help you match Oldcastle brands with your project application.

**Choose Your Size**
Understanding the Enclosure’s contents will help narrow your selection to only the most relevant options. Oldcastle products are available in a wide variety of size and shape configurations to accommodate any system component.

**Select a Lid Style and Marking**
The desired functionality and accessibility will determine the lid’s material, marking, color, AMR capabilities and locking option. Oldcastle offers lids in every imaginable combination of style and options, so you’re sure to find the right fit!

**Choose Accessories and Hardware**
Additional hardware, extensions, and other accessories may be necessary to achieve the desired result. Oldcastle stocks a range of optional items to meet your exact specifications.
Carson® TrussT meter boxes are value-engineered to achieve top-down strength for lasting access to water systems. Sidewalls feature “truss” reinforcements to withstand passing pressure from push-mowers, domestic riding mowers, and other do-it-yourself equipment.

Carson products are made of structural foam high-density polyethylene with UV inhibitors to provide a lifetime of consistent performance in a variety of weather conditions.

Round boxes feature our Twist-Lock Lid to resist mower suction, which helps preserve the lid and prevent costly damage to mower blades.
Our Christy® concrete products provide reliable, cost-effective solutions to protect underground components. Concrete is suitable for a range of uses due to its proven compressive strength and durability. Heavy lids are unaffected by commercial mower suction, and the rolled Plastic Cap edge helps prevent blade strikes. Concrete lids also resist puncture damage from commercial aerators. The large throat diameter permits quick, easy valve adjustments. The Christy brand is spec-approved for a number of municipalities and cities throughout the United States.

With a galvanized steel cover and steel frame, these concrete boxes are suited for deliberate roadway traffic. Unique locking grade rings assure permanence and quality of surface grades when streets are re-paved. Careful engineering reduces the danger of lid “pop-out” in high traffic areas; bolt down is recommended.

- **Reliable Physical Properties** for a wide range of uses
  - Chemical resistance
  - Withstands freeze/thaw conditions
  - Non-Flammable

- **Bolt-down Provisions** built into the body for added security

- **Non-Settling Shoulders** to maintain grade and facilitate backfilling

- **Range of Sizes** available up to 30"W x 60"L

- **Mouseholes and Knock-Outs** for ease of modification in the field

- **Plastic Cap** only available with Oldcastle products
  - Resists chipping when the lid is removed and reinstalled
  - Etched pattern allows traction for pedestrian traffic
  - Clean, finished look when installed in concrete and pavement

- **Models with a steel frame and steel cover are approved for use in areas of deliberate traffic.**

### Common Categories

- **Curb Valve Boxes**
- **Meter Boxes**
- **Traffic Rated Curb Valve Boxes & Meter Boxes**
H-Series™ polymer concrete is an increasingly popular alternative to traditional concrete for utility infrastructure. Polymer concrete is produced with a precise mix of aggregate and resin, reinforced by a fiberglass cloth. The resulting boxes are lighter weight than similar-sized concrete boxes, yet offer greater performance strength with improved chip resistance.

These characteristics allow H-Series products to withstand incidental traffic from light and medium-duty trucks*, while also tolerating shipping and handling stress.

* Select H-Series models meet ANSI/SCTE 77 standards for Tier 15 and Tier 22 load ratings.
Fibrelite™ meter boxes are engineered for a greater strength-to-weight ratio than plastic products. Ideal for turf and walkway applications, Fibrelite Enclosures are capable of withstanding incidental traffic from vehicles, such as light trucks.*

Fibrelite boxes achieve greater load capacity than similar plastic sizes. Plus, the durable composite material of intertwined glass fibers maintains comparable weight as similar plastic sizes. This allows installers to utilize the same resources for handling and cutting Fibrelite boxes as needed for plastic boxes.

* All Fibrelite models meet ANSI/SCTE 77 standards for Tier 8 load ratings.
Our Synertech™ products solve key concerns for both specifiers and installers with a unique combination of two durable composite materials.

Our patented Duo-Mold production process bonds a high-density polymer concrete lid collar with glass fiber composite walls, forming a one-piece Synertech body. Paired with a Synertech high-density polymer concrete lid, select units are suitable for incidental traffic from light and heavy trucks.* Ideal for use in spaces maintained with tractor mowers and utility vehicles.

Specifiers can meet expected load rating requirements, while installers can more easily handle and modify Synertech units compared to similar concrete and polymer concrete units. The composite sidewalls allow minimal weight for ease of shipping and handling.

* Select Synertech models meet ANSI/SCTE 77 standards for Tier 15 or Tier 22 load ratings.

Compliant with NIOSH lifting requirements in sizes 1730 and smaller
Carson Heavywall meter boxes are a lightweight alternative to concrete. Made using our Structural Foam molding process and designed to exceed 20,000 lb vertical load (20K); these boxes also providing the Best in Class lateral load rating of any plastic box on the market today. Extra wide shoulders beneath the lid seat as well as increased footer on the bottom provide the largest amount of anti-settling surface area of any meter box on the market today.

Our BC style has a flared wall, while our BCF design includes straight walls and a paving flange. These boxes are available in a variety of sizes and heights and are engineered to accept all types of covers: including Iron, Plastic, Composite, Steel, Polymer Concrete, and Heavy duty Plastic.
Carson Heavywall meter pits offer high strength and durability. These pits feature an easily modifiable and lightweight wall structure with a patented white interior. Available in diameters from 15” to 36” with a wide range of depths, the product is ideal for cold weather applications. A bottom anti-settling flange prevents sinking in soft soil conditions.

Wall orientations include straight, flared, and tapered. Our line of Bullet boxes provide extra interior room ideal for dual meter, backflow, and larger meter applications.

A complete line of extensions—in both flat and grade levelling orientations—and accessories, such as Thermo-pak to prevent freezing, make the Carson Heavywall meter pit an ideal solution for many municipalities.
Load Ratings are Determined by the lowest component rating

The Rural Utility Service (RUS) is a department of the US Department of Agriculture organized to facilitate rural developments. You will find Oldcastle Enclosure Solutions brand Enclosures listed by the RUS. Please reference brand specific product data sheets for additional clarifications. All Oldcastle Enclosure Solutions brand Enclosures conform to the RUS “Tamper Resistant” fastener design for buried pedestals found listed by code and group.

The "Test Load" term is used in ANSI/SCTE 77-2010 to designate the minimum load that an Enclosure must be able to sustain to qualify for a particular performance rating. The term is synonymous with (minimum) Failure Load. It should be noted that within the ANSI/SCTE 77-2010 specification, the "Test Load" is 1.5 x the Design Load. Some specification and Operating Companies select a higher multiple or Safety Factor for Proof of Design Load.
Oldcastle Enclosure Solutions manufactures the world’s leading brands of grade-level utility access boxes for the Electrical, Communications, Water, and Irrigation markets. Our products deliver lasting performance in the field, protecting and concealing critical infrastructure to keep your community running strong.

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