



Irrigation Market Products

*Oldcastle Enclosure Solutions delivers
lasting performance in the field, protecting,
concealing, and accessing critical infrastructure
to keep your community running strong.*

SELECTING THE RIGHT ENCLOSURE FOR THE RIGHT APPLICATION



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, 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.

RESIDENTIAL TURF

Home owners have a never-ending list of maintenance concerns from season to season. Worrying about valve boxes should never cross their minds. A broken valve box is not just an unsightly distraction from a home's curb appeal; it also creates a safety hazard for children and pets playing outside.

Oldcastle Enclosure Solutions delivers dependable durability to protect, conceal, and access residential irrigation system components.

RECOMMENDED
BRANDS



TrussT



Specification
Grade



COMMERCIAL TURF

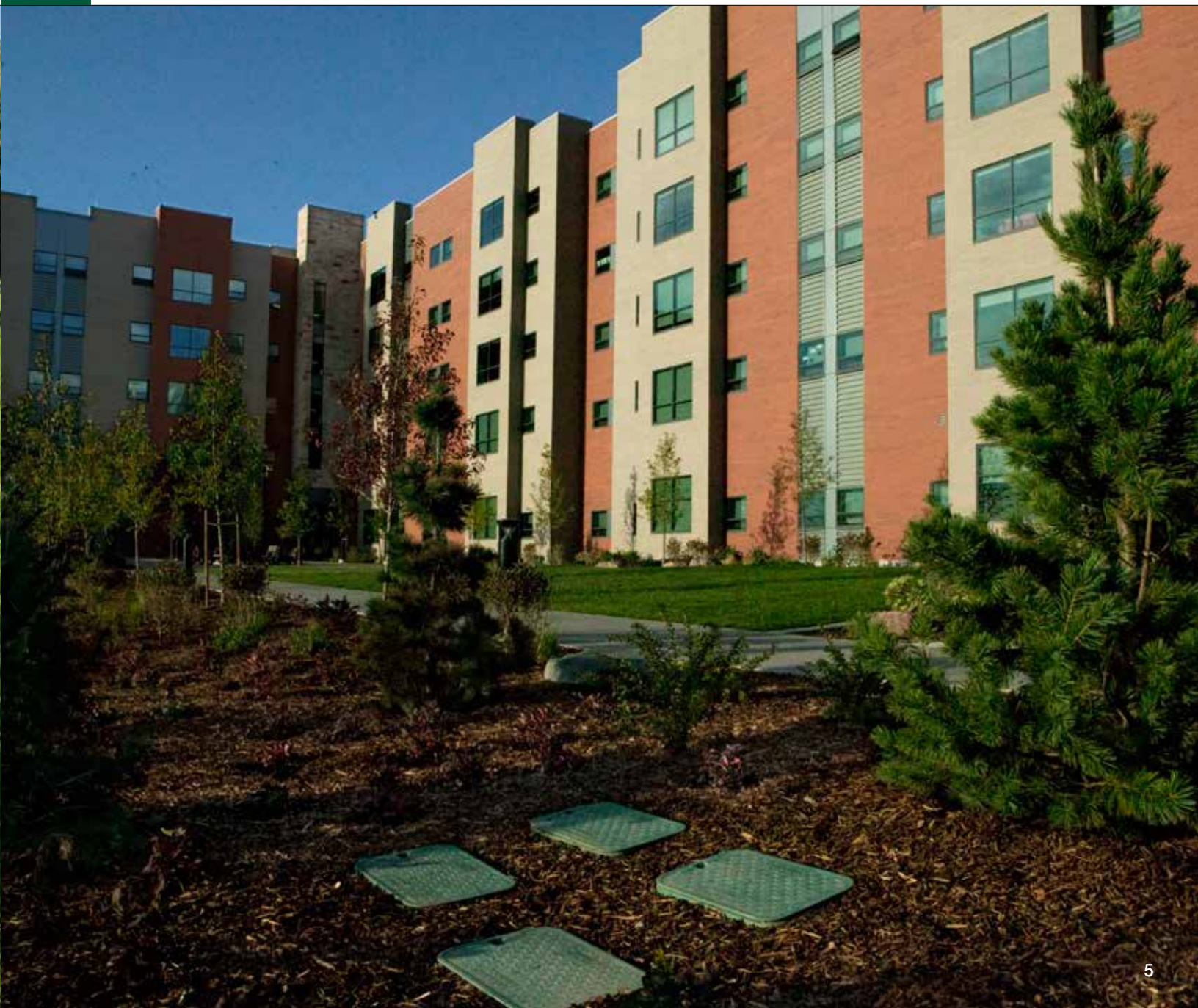
It takes a lot of planning and hard work to build the shopping centers, parks, offices, and other public spaces we enjoy every day. Help reduce ongoing maintenance issues and expenses resulting from inadequate valve boxes.

Oldcastle Enclosure Solutions offers a broad range of high-quality valve boxes to withstand traffic from commercial mowers and small utility vehicles often needed to maintain large landscapes. Optional locking lids help deter vandals from damaging valuable irrigation system components.

RECOMMENDED
BRANDS



Specification
Grade



GOLF COURSE

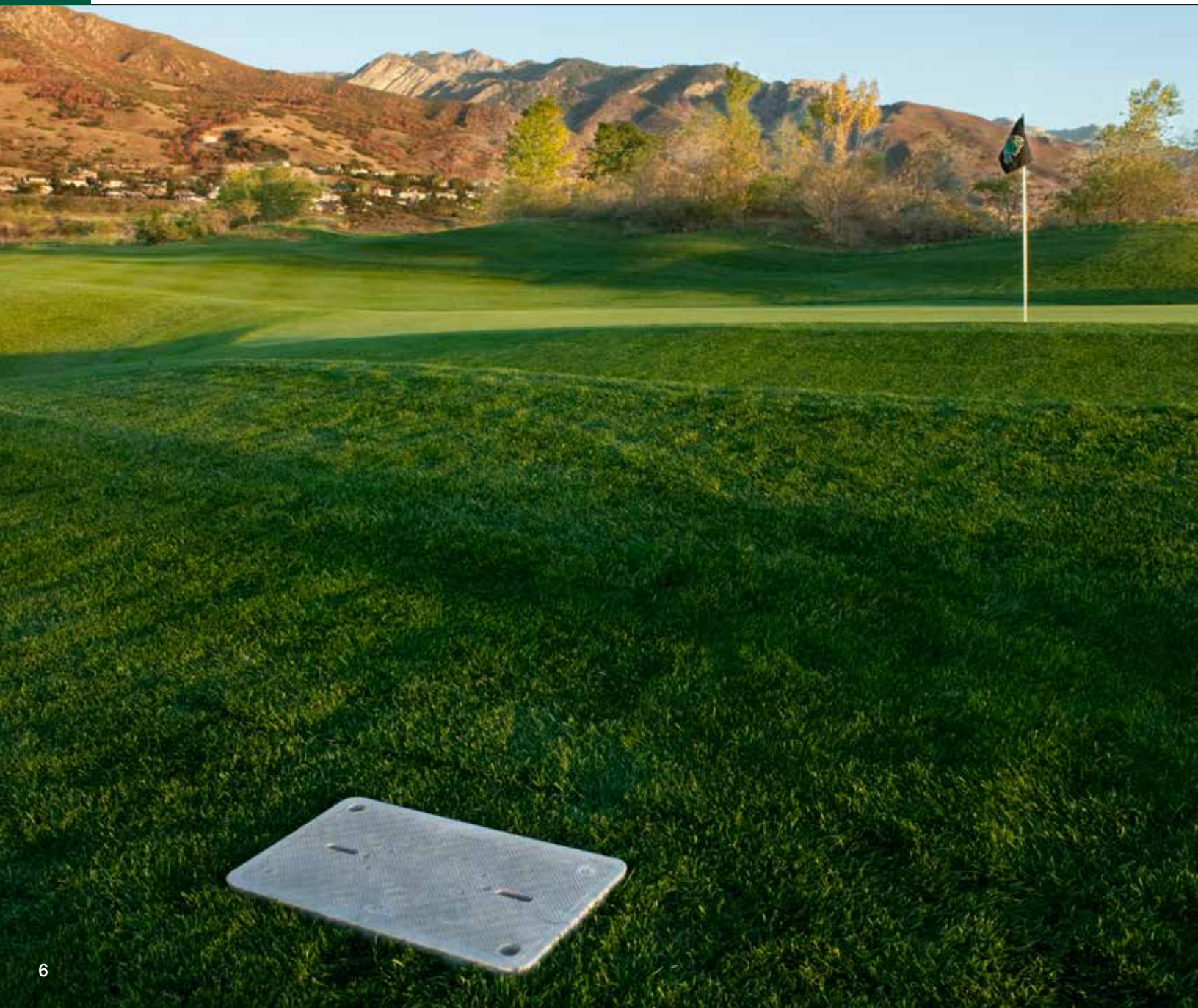
Players expect pristine greens while shooting for that hole-in-one. A hazard they should never encounter is a broken valve box.

Oldcastle Enclosure Solutions produces a range of products to help prevent costly interruptions and trip hazards from failed valve boxes. Golf courses experience traffic from a variety of equipment, such as golf carts and large aerators. You're sure to find the right Oldcastle product for the expected load capacity. Most lids are also available with lock options to deter vandals.

RECOMMENDED
BRANDS



Specification
Grade



AGRICULTURE

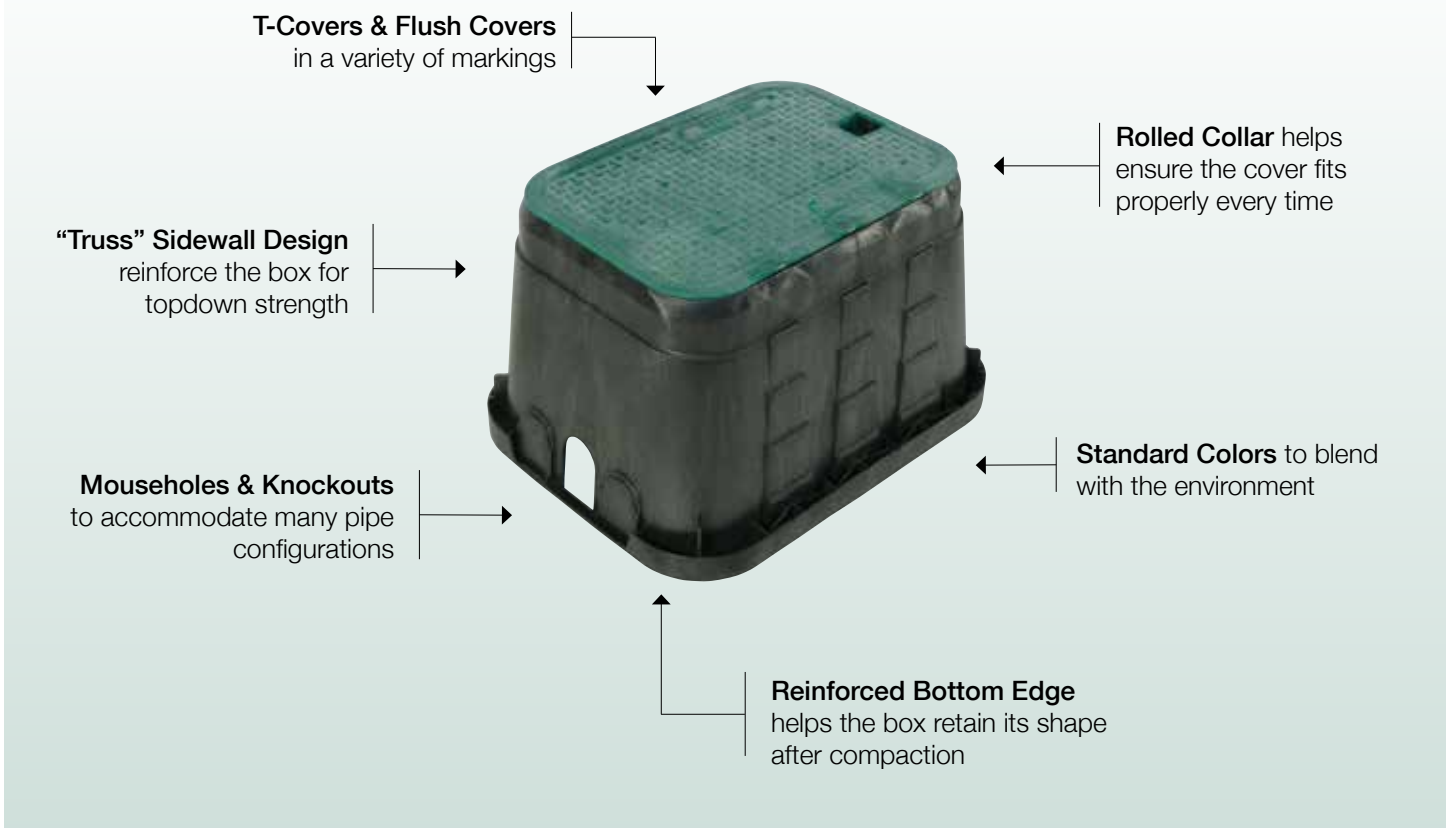
Farmers depend on irrigation systems to deliver water to thirsty crops. Select Oldcastle Enclosure Solutions brands achieve the load ratings necessary to withstand traffic from heavy trucks and other farm equipment.

RECOMMENDED
BRANDS



Carson® TrussT valve boxes are value-engineered to achieve top-down strength for lasting access to irrigation systems. Sidewalls feature “truss” reinforcements to withstand passing pressure from push-mowers, domestic riding mowers, and other do-it-yourself gardening 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.



Common Sizes



0708 Round



0011 Round



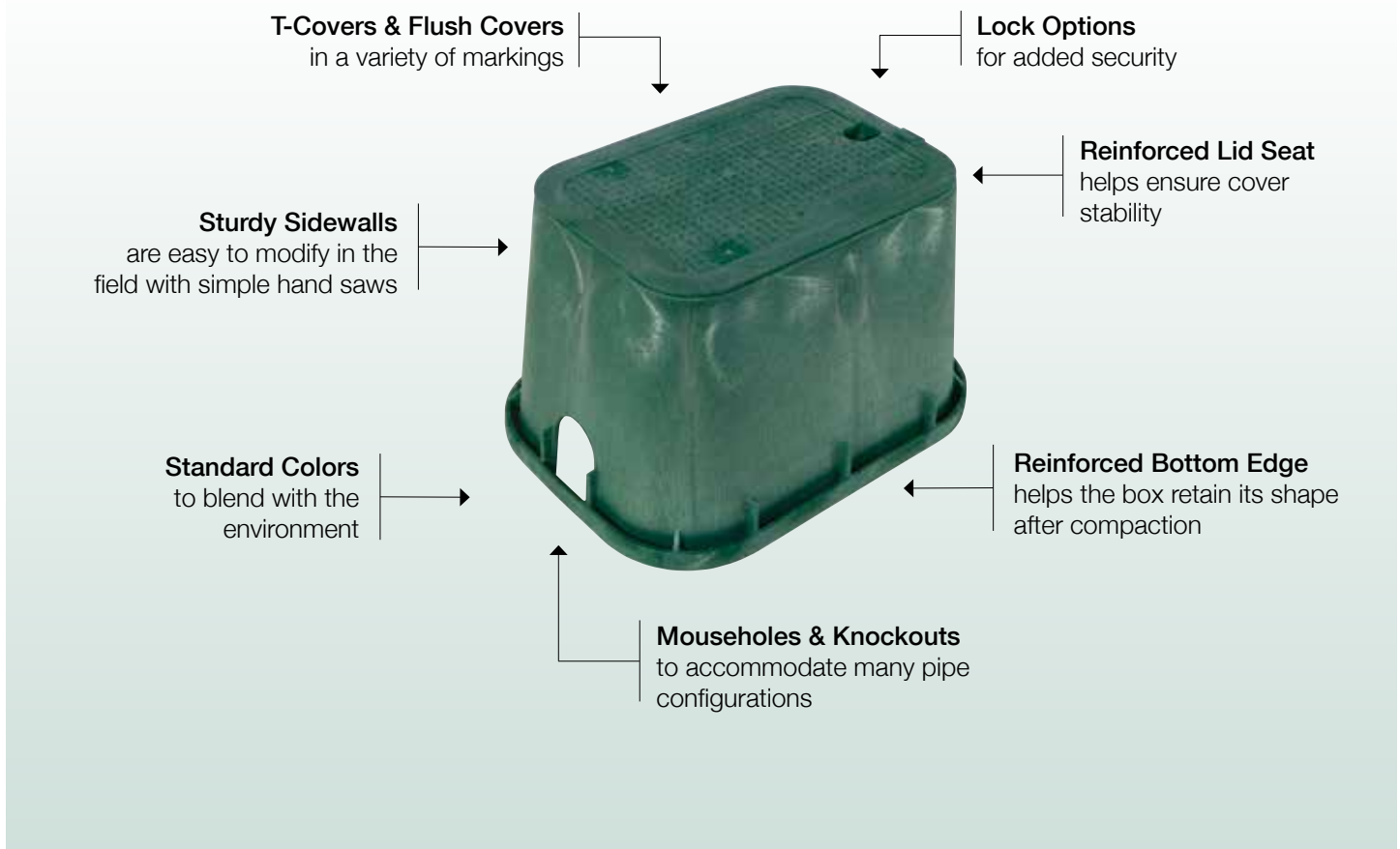
1015 Standard Rectangular



0012 Jumbo Rectangular

Carson® Specification Grade valve boxes are recognized as the Irrigation market's original brand of grade-level access boxes. Backed by 40+ years of engineering excellence, our Specification Grade product line offers vertical and lateral strength in a lightweight material for ease of handling. Easily endures passes by both do-it-yourself gardening tools and commercial landscaping 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. Specification Grade boxes are easily modified in the field with a simple hole saw.



Common Sizes



0809 Round



0910 Round


 1419 Standard
 Rectangular

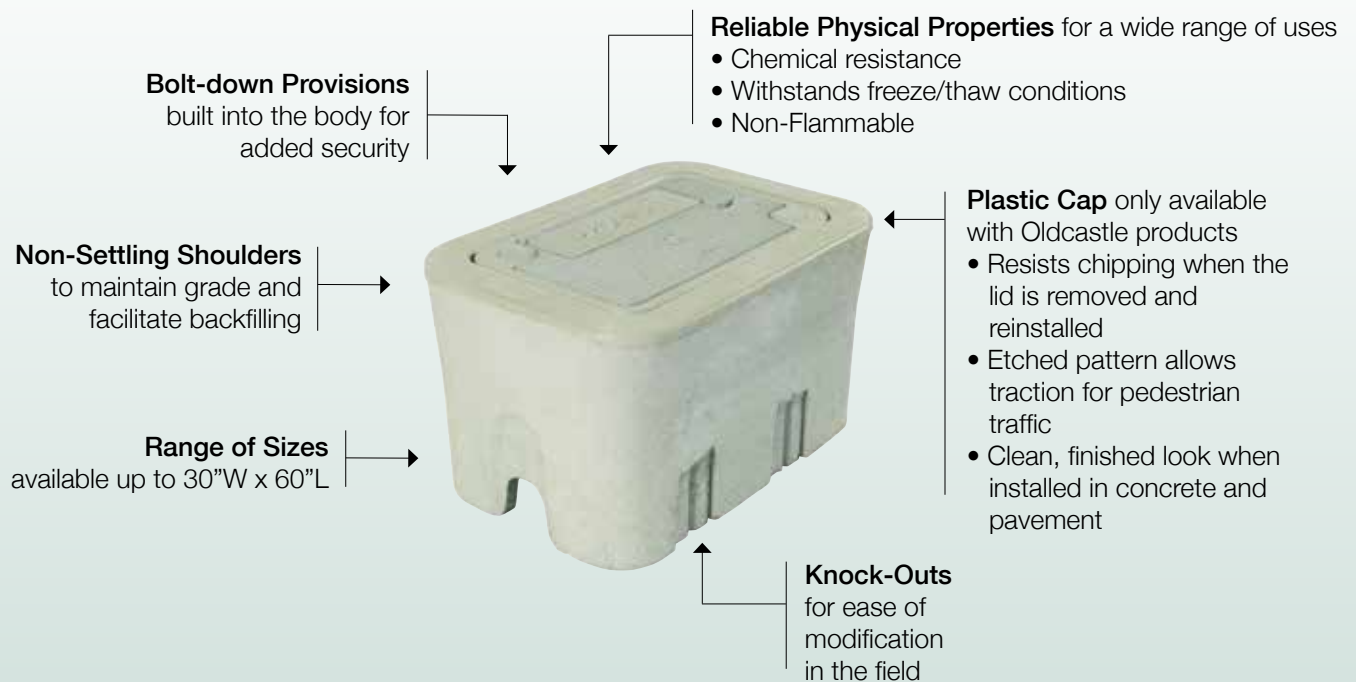
 1220 Jumbo
 Rectangular

 1324 Super Jumbo
 Rectangular

 1730 Super Jumbo
 Rectangular XL

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 Christy brand is spec-approved for a number of municipalities and cities throughout the United States.



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

Common Categories



Utility/Electric Boxes



Curb Valve Boxes





Traffic Boxes



Polymer Concrete



MEDIUM DUTY
Non-deliberate Traffic 

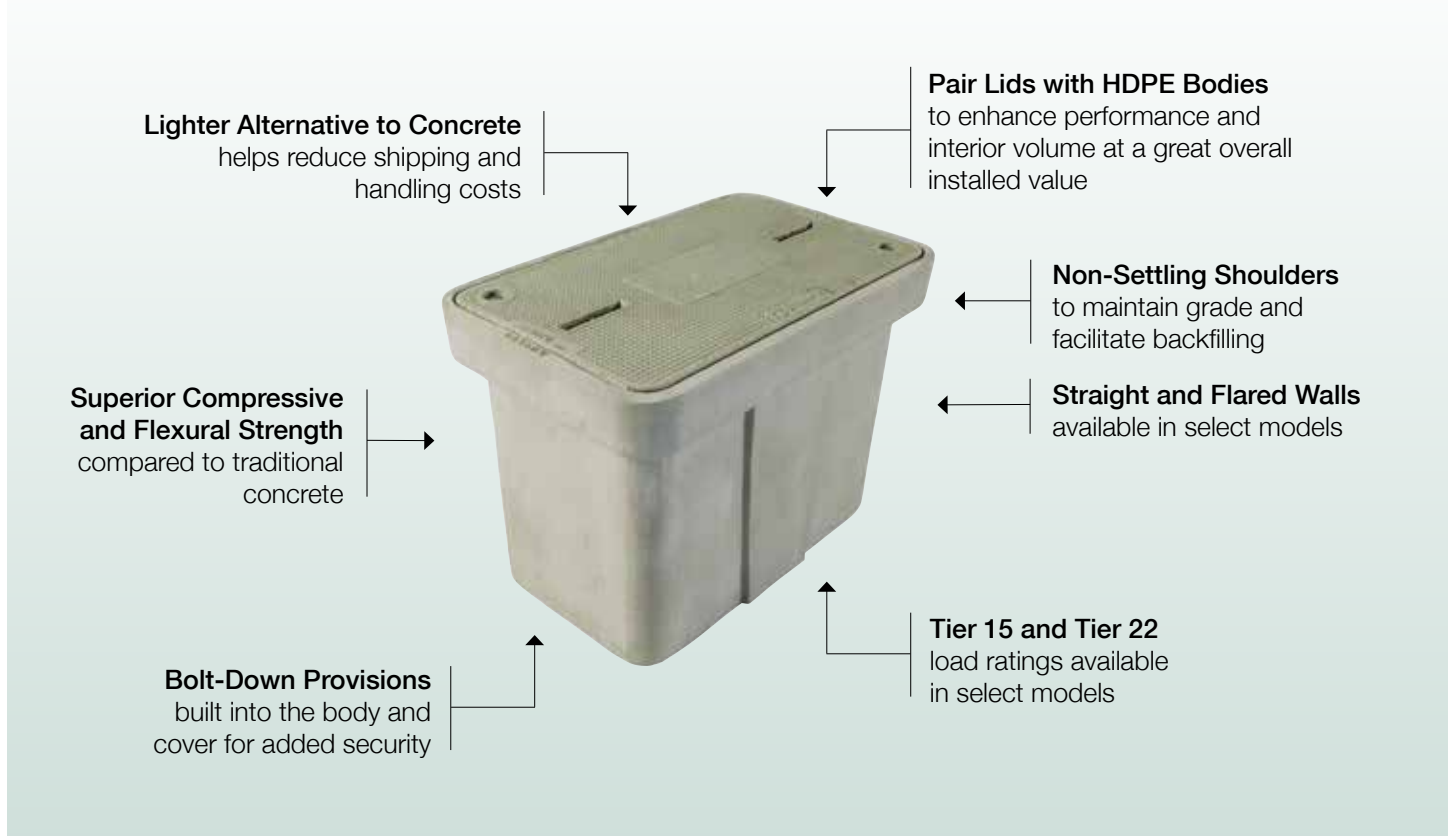
HEAVY DUTY
Non-deliberate Traffic 

Modify in the field with a diamond-tipped hole saw.

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.*



Common Sizes



1118



1324



1730



2436

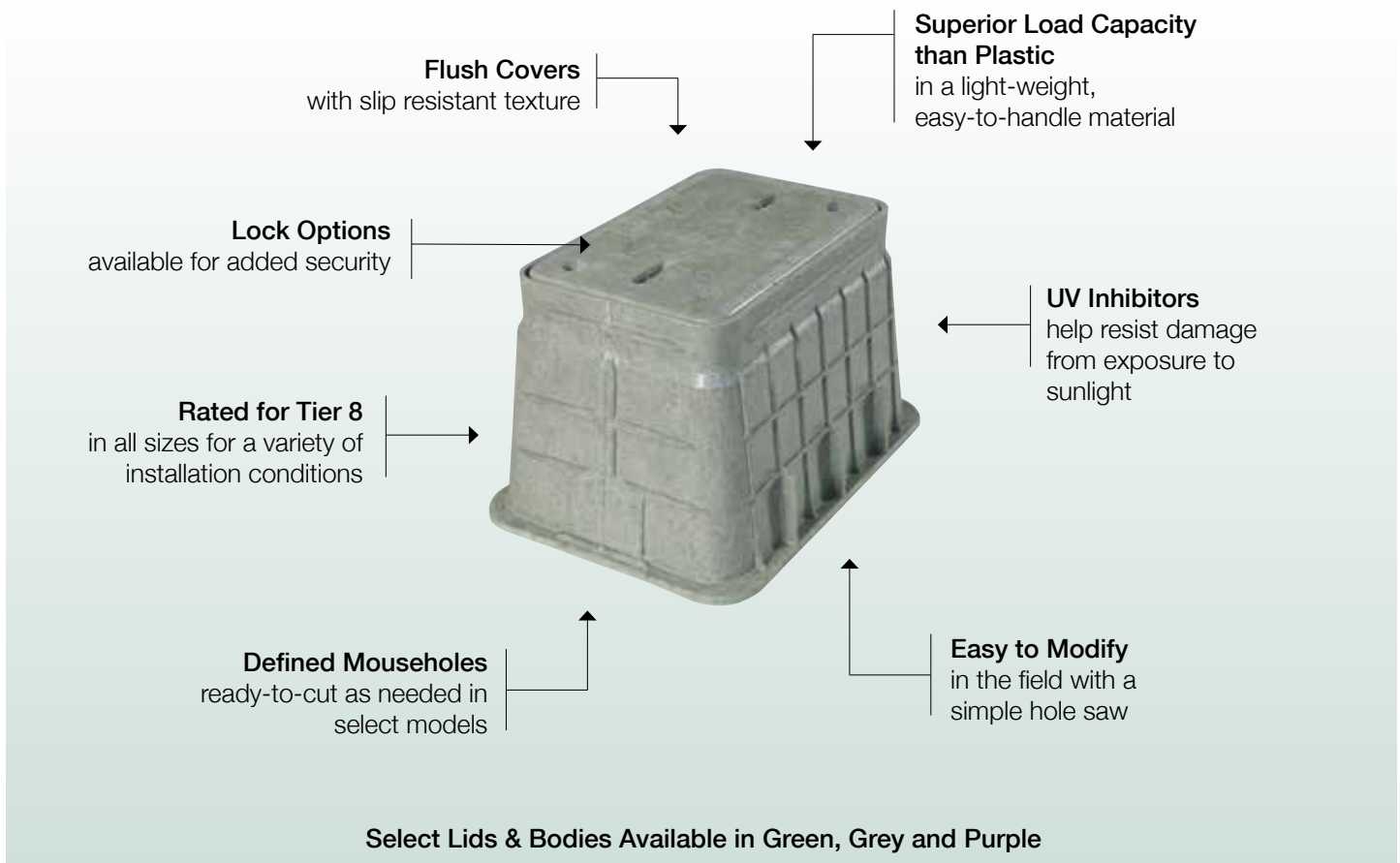


3048

Fibrelyte™ valve boxes are engineered for a greater strength-to-weight ratio than plastic products. Ideal for turf and walkway applications, Fibrelyte enclosures are capable of withstanding incidental traffic from vehicles, such as light trucks.*

Fibrelyte 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 Fibrelyte boxes as needed for plastic boxes.

** All Fiberlyte models meet ANSI/SCTE 77 standards for Tier 8 load ratings.*



Common Sizes



FL08



FL09



FL12



FL30



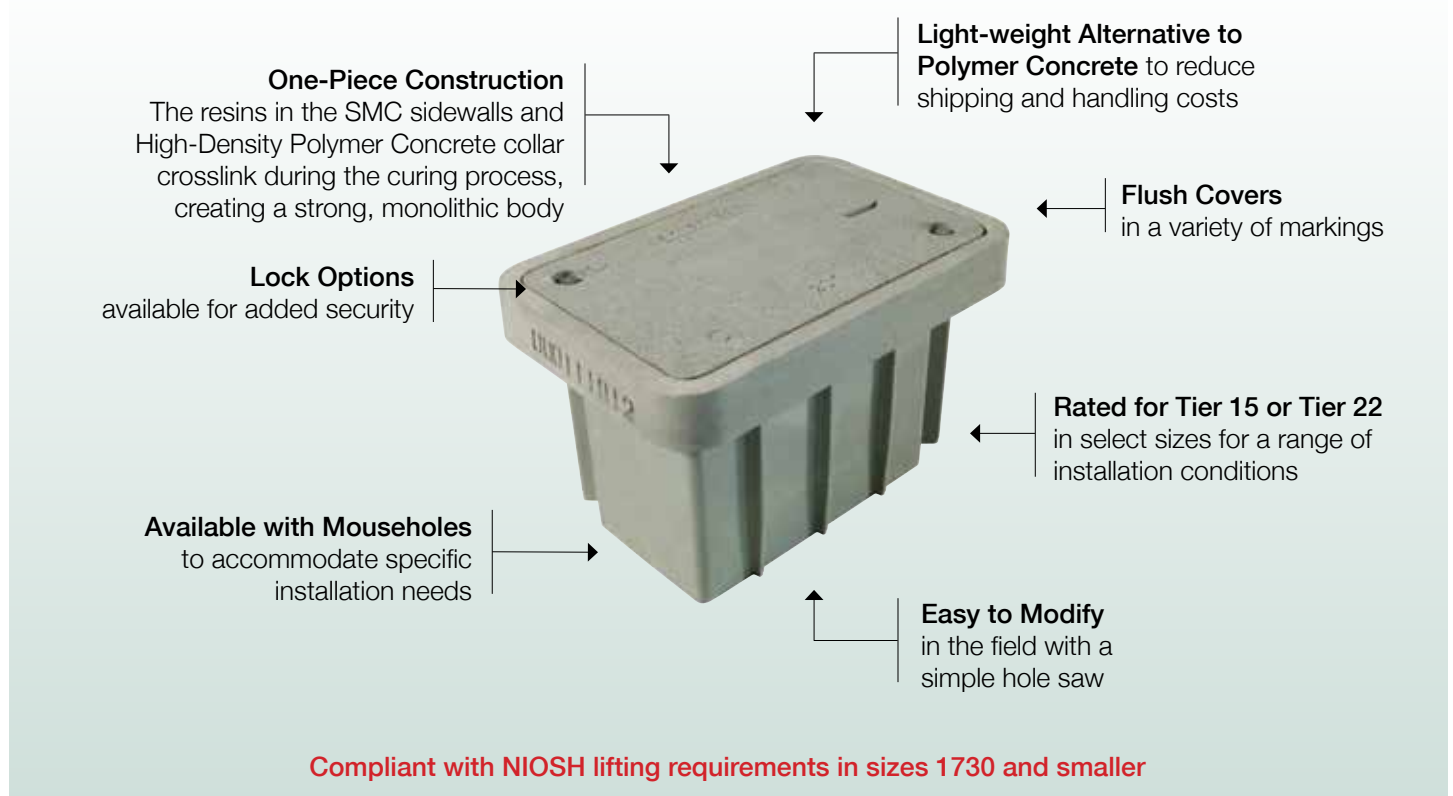
FL36

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.*



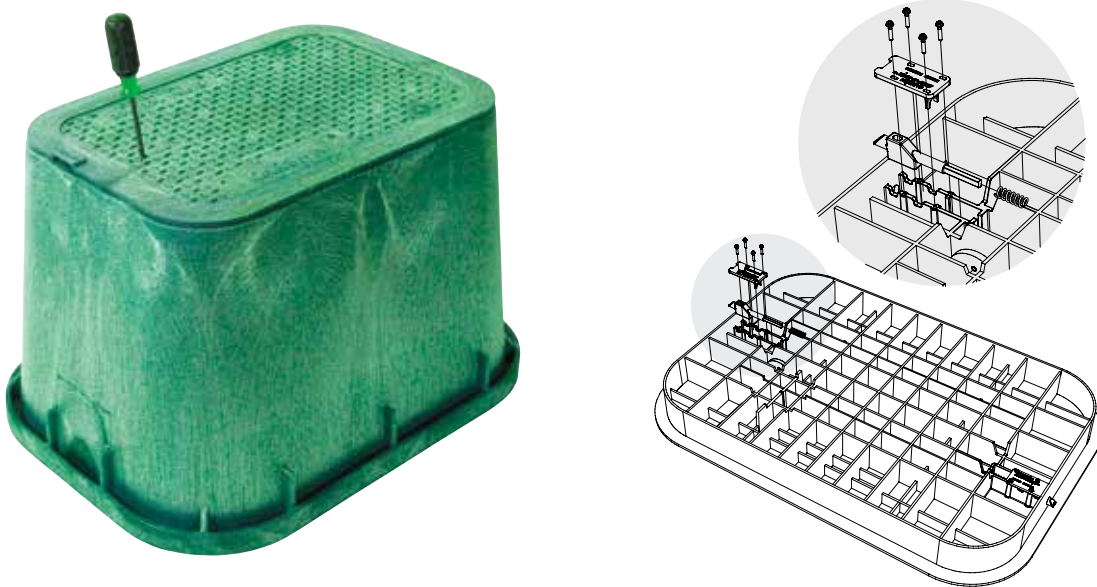
Common Sizes



DROP-N-LOCK™

Tamper-Resistant Valve Box

Our innovative DROP-N-LOCK valve box helps protect critical irrigation system components in public and private spaces. Repairs to vandalized systems can be costly. The DROP-N-LOCK lid access point is not readily apparent, helping deter vandals and reduce maintenance issues.



- Discrete access point unlocks with common tools
- Audible locking engagement
- Available in a variety of sizes
- Built-in, weather-resistant stainless steel hardware

Specifications

Made in the USA



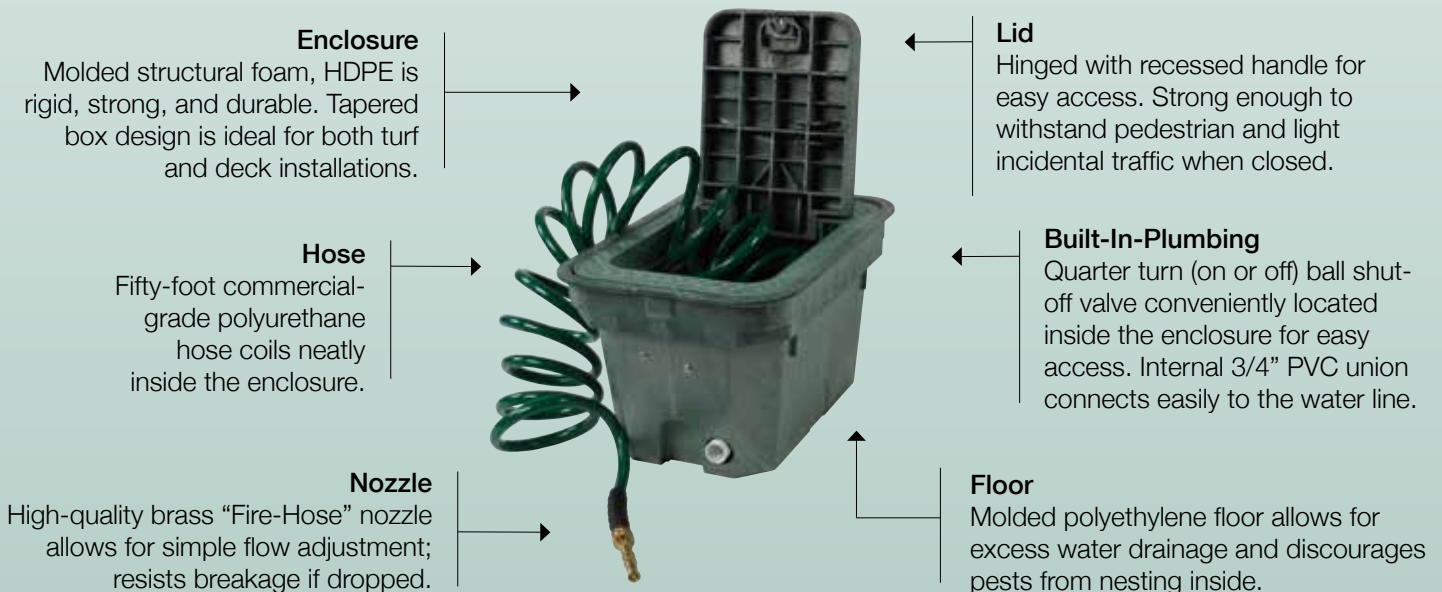
To specify DROP-N-LOCK valve boxes in your next project, include the following language:

Locking mechanism shall provide audible locking confirmation upon closure. No exposed bolt or nut hardware allowed. Locking mechanism material shall be glass-filled co-polymer acetyl and stainless steel components. Covers 1324 size and larger shall feature dual locks that are bi-directional for installation. Unique key operator provides single motion keyed disengagement. The cover shall comply with NEC wire probe safety provision.



Underground Garden Hose Storage System

Our HosEnclose Underground Garden Hose Storage System offers quick, convenient access to water and garden hose in a variety of settings. Handy near potted plants & flower beds for daily watering, hardscapes & patios for occasional clean-ups, and driveways for washing vehicles. Easily installs in landscapes and wood patio decks.



Warranty & Codes

Made in the USA



Warranty

Limited One-Year Warranty on enclosure & hinged lid. Limited Six-Month Warranty on garden hose, nozzle, and internal plumbing components.

Building Codes

Installer must ensure all safety rules and applicable national & local building codes are observed during installation. Most existing irrigation systems include a backflow prevention device; however, for those that do not or for new systems, the Uniform Plumbing Code recommends installation of a backflow prevention device.



LANDSCAPE EDGE™

Easy Installation, no digging.



Landscape Edge™ Restraint defines each space within your lawn & garden with a clean, crisp edge. Keeps mulch, stones & landscape fabric in place, while preventing intrusion from bordering landscape elements.

FEATURES

- Innovative Open-Arch Design ensures consistent vertical stability and maximum flexibility for a variety of shapes.
- Spike Bosses spaced every 4 inches along the entire span for greater vertical stability and over all design flexibility.
- Unique Connector System delivers perfect horizontal and vertical alignment of multiple sections for quick & easy installation.
- Robust & rigid polypropylene material is firm enough to make clean, straight lines, yet flexible enough for a variety of curves.





The Edging Restraint that allows you to achieve professional results.



Paver Frame™ Edge Restraint makes any paver installation look like a professional installation. Secures and protects the integrity of your hardscapes, while limiting intrusion of grass and other ground cover.

FEATURES

- Innovative Arch-Bridge Design absorbs outward force & distributes the load evenly across the entire span for optimal restraint.
- Spike Bosses spaced every 4 inches along the entire span for greater vertical stability and over all design flexibility.
- Unique Connector System delivers perfect horizontal and vertical alignment of multiple sections for quick & easy installation.
- Robust & rigid polypropylene material is firm enough to make clean, straight lines, yet flexible enough for a variety of curves.



INSTALLATION TIPS

General installation instructions for turf applications.

Please follow brand-specific installation instructions for non-turf applications to ensure the product meets performance expectations in the field.

Prepare the installation site

- Follow local guidelines and job requirements

Excavate and prepare the enclosure hole

- Specific clearance and bedding recommendations are available for each Oldcastle brand
- Remove soil to provide clearance all around the enclosure and additional depth allowing for bedding and rodent barrier
- Place suitable bedding material, such as crushed stone, at the base of the excavated hole for drainage

Remove the enclosure from delivery vehicle/pallet

- Use proper lifting techniques to prevent injury
- Products over 50 lbs. should be handled by more than one person or lifting machinery

Place enclosure into prepared hole


- Place the enclosure with lid installed into the bedded hole
- Place additional crushed stone around the sides
- Remove the lid and adjust the body as needed to position the enclosure to the proper grade
- Backfill with excavated soil; ensure the soil is free of rocks larger than 3"
- Compact the backfill with a mechanical tamping device or hand tools

Additional Tips

- Look for Oldcastle Load Rating Icons to help select the right box for your application
- HDPE plastic is the material of choice for many applications, but it is not suitable for use in a dedicated walkway. The Coefficient of Friction for HDPE is too low for sidewalks, creating a potential slip hazard.
- Enclosures installed in an area of deliberate vehicular traffic must include a concrete box with a steel frame and a steel cover

LOAD RATING INFORMATION


LIGHT DUTY Pedestrian only

	Class Vehicle	GVW (lb)	Max Wheel Load (lb)	Design Load	Test Load	Specification	Load Category
	Pedestrian	-	-	300 lb/ft	-	ASTM C 857	A-0.3
	Pedestrian	-	-	-	3000 lbf	ANSI/SCTE 77	Light Duty, Pedestrian
	Pedestrian	-	-	850 lb	2200 lb	Telcordia GR-902	Greenway
	Passenger Vehicle	6000	2400	2000lbf	4340 lbf	WUC, Guide 3.6	Ped.Greenway Category 1

Light duty product brands.




MEDIUM DUTY Non-Deliberate Traffic

	Class Vehicle	GVW (lb)	Max Wheel Load (lb)	Design Load	Test Load	Specification	Load Category
	Light Duty Truck up to Class 3	1400	5600	5000	7500	ANSI/SCTE 77	Tier 5
				8000	12000	Telcordia GR-902	Tier 8
				3900	10400		Pedestrian/Light Duty Incidental
	Medium Duty Truck up to Class 5	19500	7800	7800	20800	Telcordia GR-902	Non-Continuous Traffic
				8000	17360	ASTM C 857	A-8
				8000	17360	WUC, Guide 3.6	Non-Continuous Traffic, Category 2
	Medium Duty Truck up to Class 7	33000	13200	15000	22500	ANSI/SCTE 77	Tier 15

Medium duty product brands.




HEAVY DUTY Non-Deliberate Traffic

	Class Vehicle	GVW (lb)	Max Wheel Load (lb)	Design Load	Test Load	Specification	Load Category
	Heavy Duty Truck up to Class 8	40000	16000	16000	34720	ASTM C 857	A-16
				22500	33750	ANSI/SCTE 77	Tier 22
				16000	16000	WUC, Guide 3.6	In shoulder or parking area outside traffic lane, Category 3

Heavy duty product brands.



TRAFFIC RATED Continuous Roadway Traffic

	Class Vehicle	GVW (lb)	Max Wheel Load (lb)	Design Load	Test Load	Specification	Load Category
	Vehicles up to Class 8	40000	16000	16000	34720	ASTM C 857	A-16

Traffic rated product brand.



Units must include a steel frame and steel cover.

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® Materials Oldcastle BuildingEnvelope™ Oldcastle® Distribution Oldcastle® Building Products

For more information on other Oldcastle products call (888) 965-3227 or visit Oldcastle.com



For more information on Enclosures or a distributor near you call (800) 735-5566



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.

oldcastleprecast.com/enclosuresolutions

