



The  
Intelligent  
Solution

# Storm Water

Fiberglass

Aluminum

Steel

Stainless Steel

Approved FDOT  
Miscellaneous Metals Fabricator  
Facility # FL-MM-007

## StormWater Division Products

- StormWater Skimmers - Theft Resistant/Impact Resistant Fiberglass
- StormWater Skimmers - Galvanized Steel - FDOT Index 240
- StormWater Skimmers - Aluminum
- Free Standing Post Mount Skimmers
- Corrugated Aluminum 1/2 Round Baffles
- Weir Plates and Baffles
- Diverters
- Trash Racks & Trash Screens
- Mitered End Section Bar Grates - FDOT Index 273
- Connector Straps, Galvanized Steel - FDOT Index 273
- Manatee Grates - FDOT Index 280
- U & K Grates - FDOT Index 235, 260 & 261
- P 5/6 Inlet Grate Seats - FDOT Index 211
- Sound-wall Grate - FDOT Index 5204
- Ditch Bottom Inlet Grate Type "A" - FDOT Index 230
- Bubbler Box Vanes
- Fiberglass Pedestrian Grating for C, D, E & H Standard Structures
- Fiberglass Pedestrian Grating - Custom Sizes
- Manhole Ladders
- Custom Fabrication



Approved FDOT  
Miscellaneous Metals Fabricator  
**Facility # FL-MM-007**



Quality Service | Quality Products | 100% On-Time Delivery



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## Welcome to Environmental Composites, Inc.



Established August 1989. – Environmental Composites, Inc. (ECI) is an established firm, providing fabrication & distribution of fiberglass, aluminum, steel & stainless steel products.

Chet Simmons, President & CEO of Environmental Composites, Inc. is a graduate of Notre Dame University, IN and provides you with 40+ years of experience in the pultruded fiberglass industry. His knowledge and experience are the foundation for the success of Environmental Composites.

At the inception of the company, in August of 1989, Chet Simmons was asked by Orange County Highway Maintenance Department to provide an alternative to the aluminum skimmer which, because of it's high scrap value, was prone to theft. Mr. Simmons responded by developing the first theft-resistant fiberglass skimmer, the "Enviro-Glaskimer" and Environmental Composites was formed. Since that time, tens of thousands of Enviro-Glaskimers have been installed throughout the state.

The precast, contractor and civil engineering communities came to rely on Environmental Composites for their fabrication needs and soon ECI expanded from skimmers to trash racks and trash screens, fiberglass grating and a variety of other fabricated product. With increased interest and support from our customer base, we broadened our capabilities further to include aluminum, steel and stainless steel fabrication.

Our Quality Control Program allowed us to gain the approval of the Florida Department of Transportation and ECI is now a Qualified Producer for the department. Our Quality System assures all of our customers that we work hard to prevent situations that cause delays, increased costs, defective products and frustration. We pride ourselves on running a seamless operation and work closely with our customers to assure that this will be their experience when working with Environmental Composites.

Today, in addition to providing for the needs of Florida's storm water market, we service a vast array of markets both within and outside the state of Florida. Visit our website to view a sampling of the products we supply.

You and all of our customers are assured of attentive service, on-time delivery, engineering & design services, quality product and quality workmanship that must pass our ECI Gold Standard required for all services and product that we provide.

We look forward to meeting your expectations.

Sincerely,

*Chester Simmons*

# Skimmers



## Enviro Glaskimer

### Fiberglass Skimmers

Theft and corrosion resistant, the new iSkimmer uses a special blended polymer angle that is rigid enough to support our structure while flexible enough to bend and then return to its original shape when contacted by a tractor mower. The blade is 100% made in the USA with structural fiberglass materials that meet or exceed our published specifications.

## Enviro Free Standing Skimmers

### Post Mounted Skimmers

Fabricated with structural fiberglass, aluminum or steel in conjunction with post selection as determined by the engineer/designer.

Post material available:

- Structural fiberglass Square Tube
- Aluminum Square Tube or Round Pipe
- Galvanized Steel Square Tube or Round Pipe



## Enviro Metallic Skimmers

### Aluminum, Galvanized & Stainless Steel

Fabricated to conform to FL DOT Index 240 or designers specifications utilizing our highly skilled fabricators who are trained and committed to following our Gold Star quality guidelines.

All steel used in the production of Index 240 skimmers are melted and manufactured in the USA. Materials are not received into our facility without proper certification from our approved suppliers.



## Takes a lickin' & keeps on skimmin'

All fiberglass skimmers were previously produced with rigid corner angles and brackets that, when hit by a tractor mower, would crack and break.

After many attempts, we developed a special blended polymer angle that was rigid enough to support our structure while flexible enough to bend and allow the structural fiberglass to return back to its original configuration over and over.

We have converted all of our skimmers to the iSkimmer structure mounted design. In addition to having all current skimmers being produced with the iSkimmer design, we are making available for sale a retrofit kit that will convert all previously produced Glaskimmers to the new design. The ECI Poly Angle can be ordered from us directly in standard 4 foot lengths or cut to size along with special stainless steel replacement nuts and bolts.



### Interactive

When TURF maintenance contractors drive their heavy-duty tractor and mower deck into the high-tech iSkimmer it retreats out of the way



### Intelligent

It knows what it is supposed to do, so after the collision, it returns to duty exactly where it was before it was sideswiped



### Impact Resistant

After repeated impacts from all directions it retains its design parameters and is completely functional

# Enviro Trash Diverters

Water Diverters essentially allow for the diversion of trash and debris from stormwater runoff so that debris is prevented from flowing into our natural habitats. With the diverters manufactured by ECI, trash and other harmful debris can be diverted into a retention pond or other established areas providing for easy removal.



Diverters have quickly become an essential component of stormwater management and their applications have been used in a number of canals and other water flow systems. These diverters help the totality of a stormwater management system and are vital in combating the problems associated with runoff.



## Aluminum Baffle

Sometimes topography, drainage conditions, and population densities determine that underground reservoirs or control structures will need to incorporate a fixed corrugated aluminum baffle or Fiberglass "CFM" Channel Face Mount skimmer with top.

These products contain floatables in the control structure while preventing oil and grease from being transmitted down stream into french drains and thereby contaminating the soil. In Florida, these baffle boxes have successfully been used in regulating the quality of stormwater runoff.



Corrugated Aluminum Baffles are fabricated per your specification, some of the standard options include:

- 1/8" Aluminum Top Plate
- 1/8" Aluminum Bottom Plate
- Open Top & Bottom
- Full Mounting Angle or Angle Clips
- Accommodations for mounting inside round structure

# Trash Racks/Screens



Wire mesh welded to aluminum angle frame.

Trash Racks and Debris Screens are used to prevent floating debris from clogging stormwater outlet control structures. The principle goal is to trap as much material on the outside of the structure for easy removal. This allows flow capacity to maintain its desired consistency and prevent any over topping of the embankment.

Trash Racks will collect any debris in plain sight to allow for regular maintenance and removal as needed. This is in contrast to allowing debris to collect inside the structure leading to possible clogging.



Custom designed stainless steel trash rack.



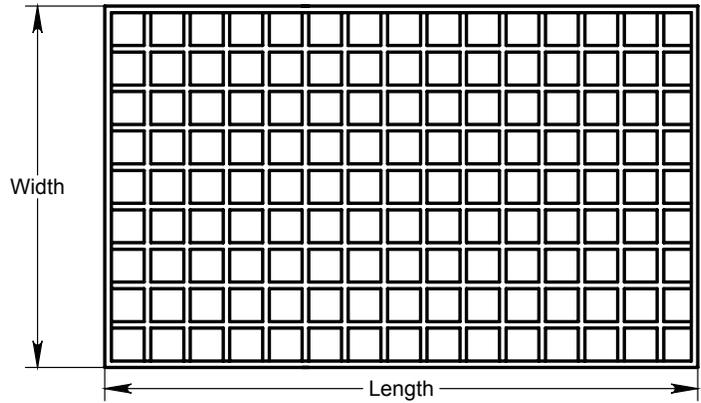
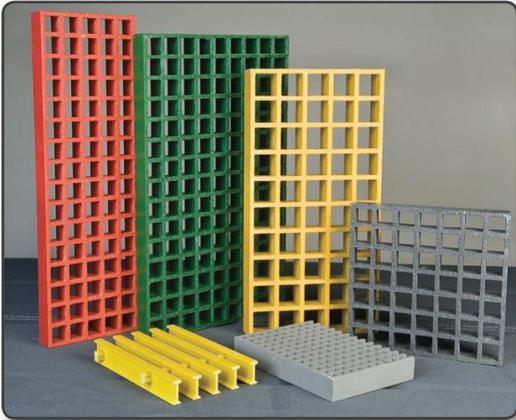
Galvanized Steel Trash Rack designed to mount to top of concrete control structure.

All of our Trash Racks and Debris Screens are structurally sound with a long lasting quality appearance. All products are designed to withstand the conditions of pond structures, including rough handling, high/low temperatures, and long term weather exposure.



# Grates

## Pedestrian Rated StormWater Grates



FDOT Structure	Part ID	Dimensions	Weight	Open Area
C	CNFM	28" X 36 1/2"	32 lbs	726 Sq Inches
D	DNFM	36 1/2" X 53"	61 lbs	1,374 Sq Inches
E	ENFM	40" X 53 1/2"	67 lbs	1,520 Sq Inches
H	HNFM	40" X 78 1/4"	99 lbs	2,250 Sq Inches

**Also available in custom sizes.**

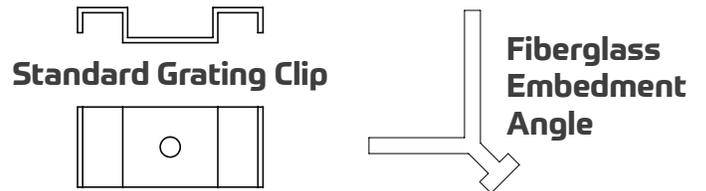


## Grating Specifications

Center to Center	2" X 2" Mesh Pattern
Bar Height	2"
Tie Bar Width	.3125"
Bearing Bar Width	.3125"
Open Area	71%
Weight	4.5 lbs/Sq. Feet
Resin	General Purpose
Color	Dark Gray
Surface	Non-Skid Grit



Grating support beams available & recommended for spans over 4 feet



Light Weight | Corrosion & Theft Resistant | In Stock Ready To Ship | Custom Sizes Ship in 1-2 Days



Aluminum & Steel grating also available.

# Manatee Grates



ECI manufactures ENVIRO PIPE AT GUARD ENDS Manatee Gates, specified to FL DOT Design Standards (Index 280). These products are available painted or galvanized in the sizes specified by the customer.



Because many manatee deaths are directly attributed to water control structures, these grates will ensure that systems continue to operate while protecting the natural species that inhabit our environment. ECI can custom fabricate a manatee gate using aluminum, steel or stainless steel to meet your requirements.

# U & K Grates

ECI fabricates FDOT Index 260 & 261 “U” Grates and Index 235 “K” Grates according to specification. These grates are fabricated from steel and hot dip galvanized after fabrication.

All U & K Grates are supplied as a full package that includes Wedge Anchors for easy fastening.



# Pipe Grates



ECI manufactures Mitered End Section (MES) galvanized steel pipe grates for round or elliptical concrete (RCP) and corrugated metal (CMP) mitered drainage pipes as specified in FL DOT Design Standards Index 273. Rebar frames are also available. ECI has the fastest lead time in the industry!

ECI assures that you will not have your pipe grates rejected when you are ready to close your project. All of our MES Pipe Grates are fabricated with A53 Grade B Domestic Galvanized Steel Pipe to meet FDOT'S strict requirements for this product.

If your concrete has already been poured, ECI will be happy to supply you with 5/8" x 3-1/2" Galvanized Steel, Domestic, Wedge Anchors in place of the Rebar Bolt Frame.

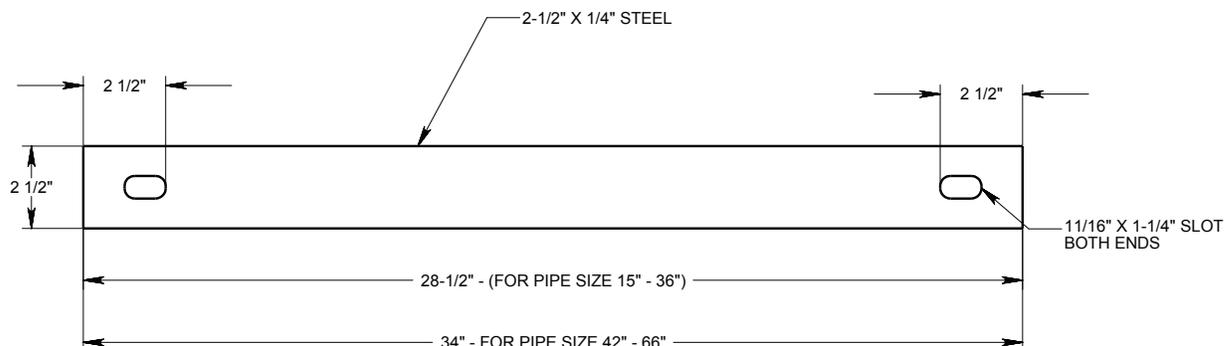
Certifications are provided with every order.



# Pipe Connector

FL DOT Index 273

Hardware:  
(2) 5/8" Galvanized Steel Bolts  
(2) 5/8" Galvanized Steel Nuts  
(2) 5/8" Galvanized Steel Washers



Hot Dip Galvanized after Fabrication

The  
Intelligent  
Solution



Environmental  
Composites, Inc.



# Capabilities

MIG Welding | Iron Worker | SolidWorks 3D Drafting | Design Work for Custom Applications

Automated Precision Cutting Station | Band Saw | CNC Operated Beam Saw | CNC Router | CNC Plasma | Plasma Cutting