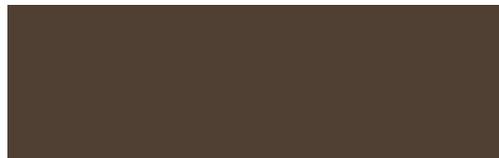
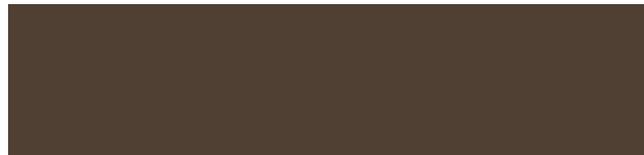


# EnviroWirx™

## Product Specifications





**Ready to tackle your  
waste management challenges!**

EnviroWirx is a 7 yard semi-underground or 4.5 yard above ground waste bin manufactured and distributed in North America. We have strategically designed EnviroWirx to solve the common problems associated with traditional waste containment, removal and waste management.

Over the past 20 years, EnviroWirx has proven successful in property management, fast food, strip malls and parks and recreation applications. Additionally, these waste bins are perfect for existing real estate, as well as new construction.

*We are committed to supplying value to our customers, providing them with acceptable, consistent quality products, delivered on-time, that meet our customers' expectations. We wish our customers to view EnviroWirx as a responsive, dependable, and successful supplier.*

*Thank you for choosing EnviroWirx to tackle your waste management challenges.*

A handwritten signature in black ink, appearing to read "Graham Lobban", with a long horizontal line extending to the right.

Graham Lobban, President

# Table of Contents

- 1 Introduction**
  - 1.1 About EnviroWirx
  - 1.2 Using Your Operator's Manual
  - 1.3 Engineering Improvements
- 2 Your New EnviroWirx Bin**
  - 2.1 Elevation View
  - 2.2 EnviroWirx 7 Yard Bin
  - 2.3 EnviroWirx 4.5 Yard Bin
  - 2.4 Key Tag
  - 2.5 Signage
- 3 Product Care**
- 4 Installation**
  - 4.1 Delivery and Handling
  - 4.2 Installation Location
  - 4.3 Installation Layouts
  - 4.4 Vehicle Approach and Turn Radius
- 5 Main Service Lid**
  - 5.1 Using the Gravity Lock
- 6 Feed Doors**
  - 6.1 Garbage, Organics and Recycling Feed Doors
  - 6.2 Cardboard Feed Door
- 7 Emptying Your EnviroWirx Bin**
  - 7.1 Emptying with a Front-End Load Truck (FEL)
- 8 Maintenance**
  - 8.1 Safety Labels & Decals
  - 8.2 Cleaning Your EnviroWirx Bin
  - 8.3 Cleaning Under Your EnviroWirx Bin
  - 8.4 Repairs
- 9 General Specifications**
- 10 Warranty**
- 11 Frequently Asked Questions**

# 1 Introduction

## 1.1 About EnviroWirx

EnviroWirx waste bins are a top-of-the-line waste management solution that is 100% manufactured, supplied, and installed by EnviroWirx / RTS Companies Inc. The distinctive round one-piece design reduces traditional hoop stress, breaks and maintenance. EnviroWirx has the North American patent for Round Semi-Underground Waste Utilizing the Front Load Collection System. By utilizing existing Front Load Trucks, customers save money every pickup. EnviroWirx waste bins are load testing certified to 10,000 lbs at 200 lifts.

## 1.2 Using Your Operator's Manual

Reading and understanding your operator's manual is required for proper and safe operation. Users of this equipment risk injury to themselves and others if the EnviroWirx bin is used improperly and/or safety precautions are not followed. Failure to do so could result in serious injury.

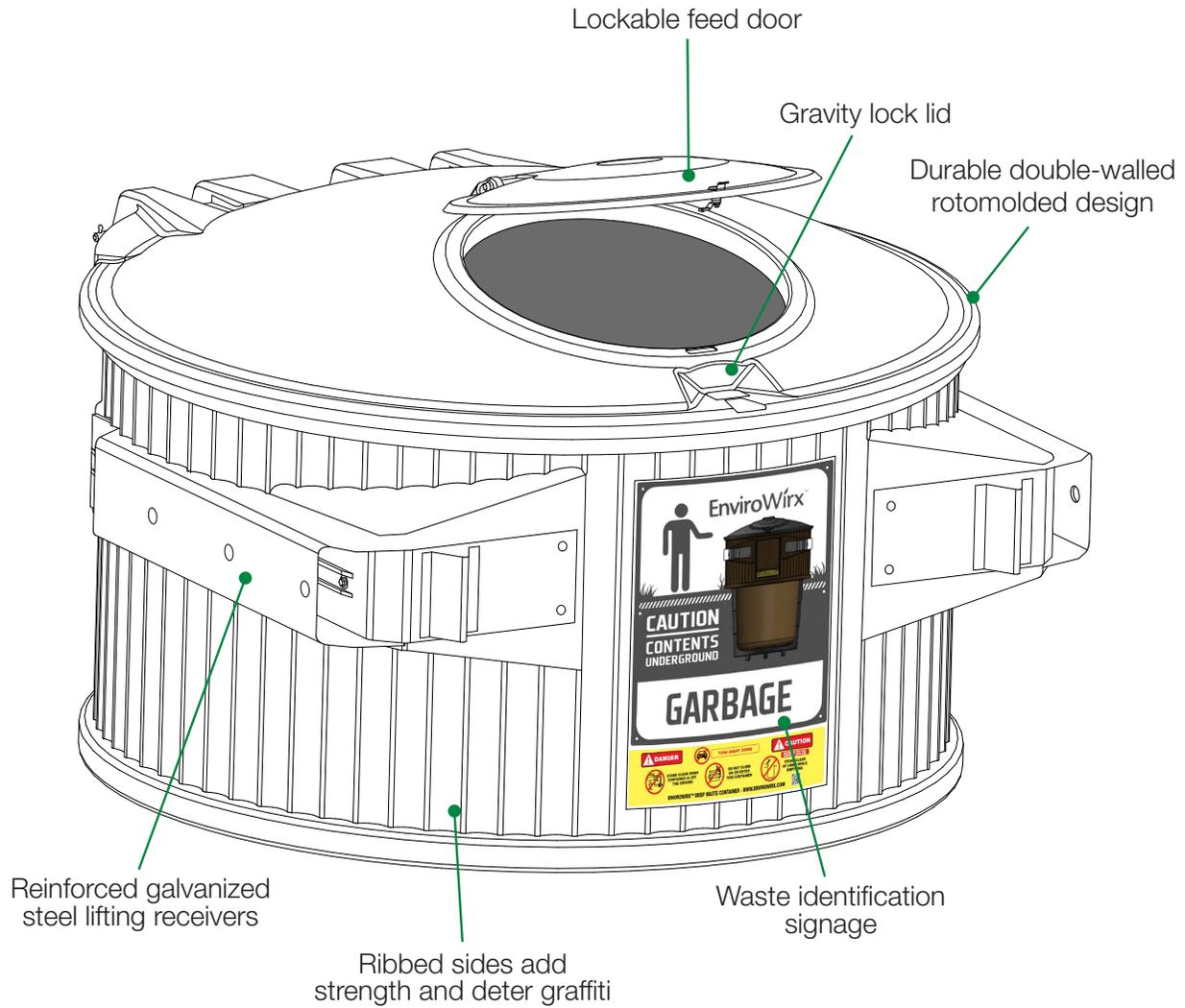
Specifications, descriptions and illustrative material are as accurate as known at the time of publication, but are subject to change without notice. The equipment shown in this manual may vary slightly from your equipment, but will be similar enough to help you understand the instructions. Illustrations may include optional equipment and accessories.

## 1.3 Engineering Improvements

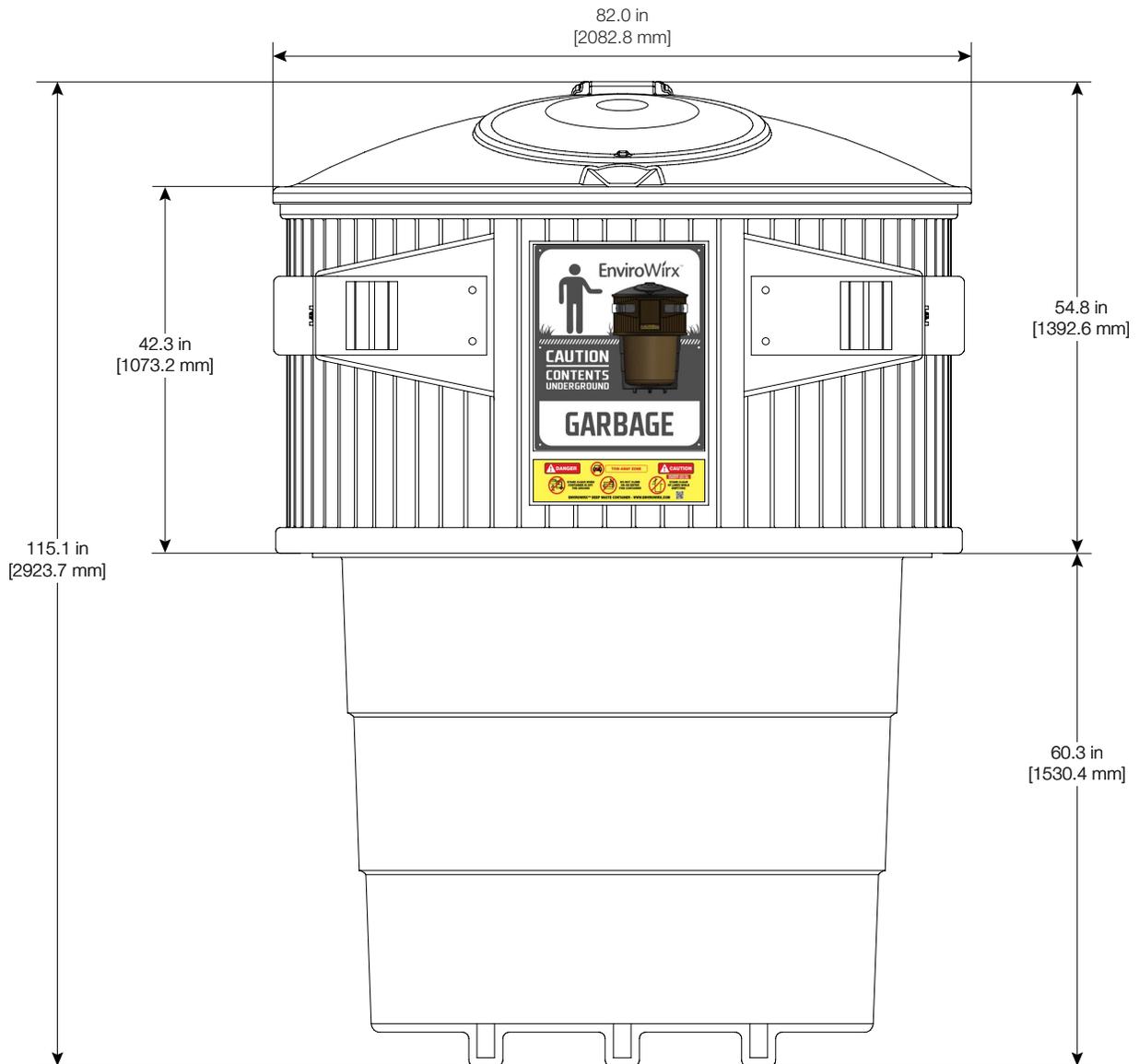
Over the past 20 years, we have developed and improved our EnviroWirx bins based on real life applications and your feedback. We are continuously striving to provide the best waste management solutions on the market. If you have any suggestions for improvements to your EnviroWirx bin, please contact us at 1-800-663-2803 or [info@rtscompaniesinc.com](mailto:info@rtscompaniesinc.com).

## 2 Your New EnviroWix Bin

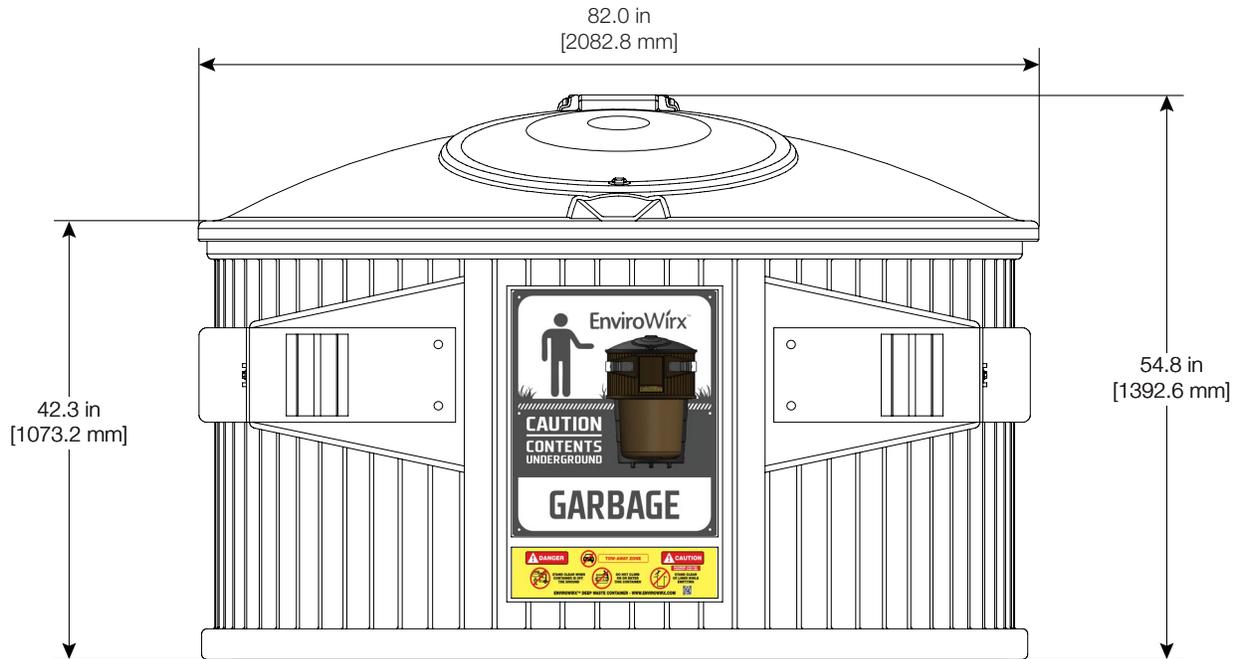
### 2.1 Elevation View



## 2.2 EnviroWirx 7 Yard Bin



## 2.3 EnviroWirx 4.5 Yard Bin



## 2.4 Key Tag

You will be given a key to lock the feed door, if desired. The key tag will include the serial number for your EnviroWirx bin.



## 2.5 Signage

Four standard signs are available to properly label the contents of your EnviroWirx bin. Custom signage also available upon request.



### 3 Product Care

EnviroWirx bins are intended to be used for short-term storage of garbage, recycling and organic waste until a garbage truck can empty the bin. Maximum load capacity is 1,500 kg / 3,300 lbs.

**DO NOT** climb on or into the bin, this is strictly prohibited.

**DO NOT** put into the bin any materials such as heavy waste (ex: sand or rocks), demolition waste, steel structures, materials on fire, hot ash, grill coals, hazardous waste, corrosive liquids/materials, chemicals, ignitable materials, toxic waste or reactive waste.

When emptying the bin, ensure there is clear visibility around it and that no one is standing too close. Make sure there are no people or animals located within a 20 m (65 ft) radius when emptying the bin. If a person or animal enters this space, the emptying process should be stopped until the area is clear. The owner is responsible for ensuring the area is kept clear during the emptying process.

**DO NOT** run into the bin with any vehicles. Bollards are recommended to prevent this.

## 4 Installation

**Read and review all instructions and product material prior to beginning installation. If installation is not being completed by EnviroWirx / RTS Companies Inc., please contact us for full installation instructions.**

**Contact local authorities to obtain required permits and approvals, if applicable.**

### 4.1 Delivery and Handling

Ensure the EnviroWirx bin is handled carefully. The bin should always be lifted in a vertical direction. To avoid damage, do not roll or drop the bin. When lifting the bin, use lifting chains, tethers and lifting supports on the sides. EnviroWirx bins must always be lifted evenly.

EnviroWirx bins are delivered to site on a flat back trailer. Each bin weighs approximately 500 kg / 1,100 lbs. Ensure there is a machine on site that can lift 500 kg / 1,100 lbs.

Each concrete ring weighs approximately 860 kg / 1,900 lbs. If using a concrete ring, ensure there is a machine on site that can lift 860 kg / 1,900 lbs.

When installing the bin, be sure to use only approved hoisting devices that are suitable for this installation type. Follow instructions given by the hoisting device manufacturer. Be sure to support the bin to prevent it from falling over when lowering into the hole until anchoring is in place and the hole is filled.

## 4.2 Installation Location

Your EnviroWirx bin should be installed with straight on access for the garbage truck, whenever possible. If straight on installation is not an option, the bins can be installed on an angle. When installing the units on an angle, there must be at least 12 m / 40 ft from the front of the bins to any adjacent curb.

If a concrete apron will be poured around the bins or any type of curb in front of the bins, the bins must be at most 45 cm / 18 in behind the curb. If the bins are further, the garbage truck will not be able to access the bins. When pouring a concrete apron, the EnviroWirx bin must be removed from the liner.

Ensure your EnviroWirx bin is installed at the highest grade available on the site and in a location where there are no overhead obstacles. If there are overhead obstacles such as tree branches, cables, or electric wires, the waste truck could hit them while emptying the bin.

**DO NOT** install in areas where groundwater is near the surface. Pick the highest location on your site or on curbed islands.

**DO NOT** install in an area where there is a risk of vehicles hitting the bin.

**DO NOT** install above existing pipelines, cables or any other underground structures. It is the customer's responsibility to ensure all underground cables, water, sewage and drainage pipes are safely located away from the bin.

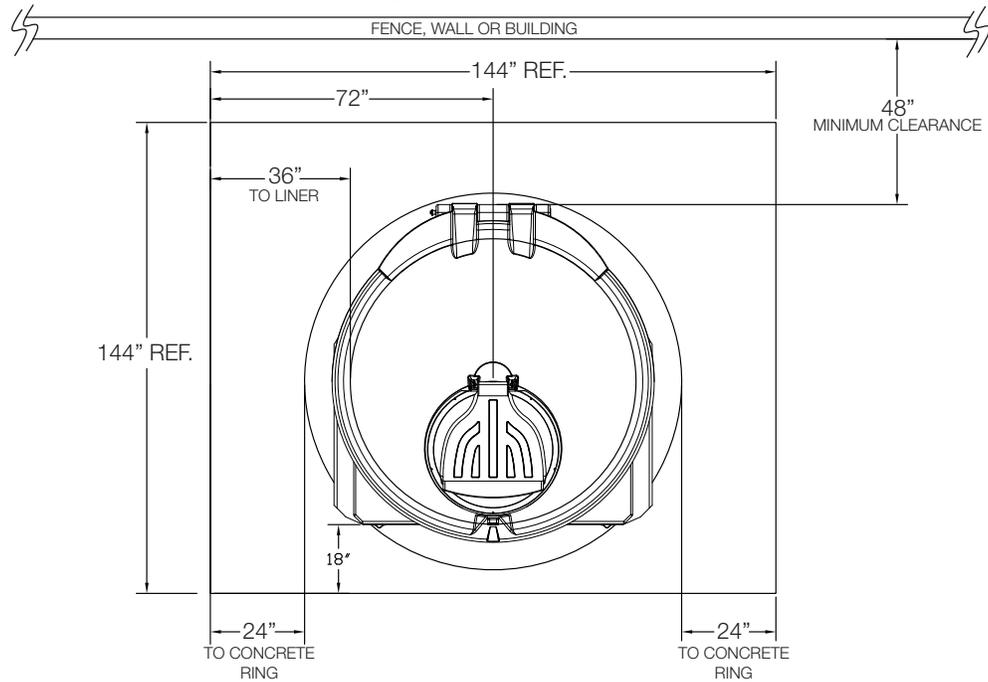
It is recommended to do a soil survey before excavation begins to determine ground conditions, such as bedrock being close to the surface, which may require special equipment. Support forms may need to be incorporated into the size of the hole. In areas with possible groundwater or where the terrain contains clay or silt, subsurface drainage is recommended.

Consult local authorities to determine the required safety distance between your EnviroWirx bin and any buildings, property lines, etc.

Contact your waste service provider to ensure your location is suitable for them to remove waste.

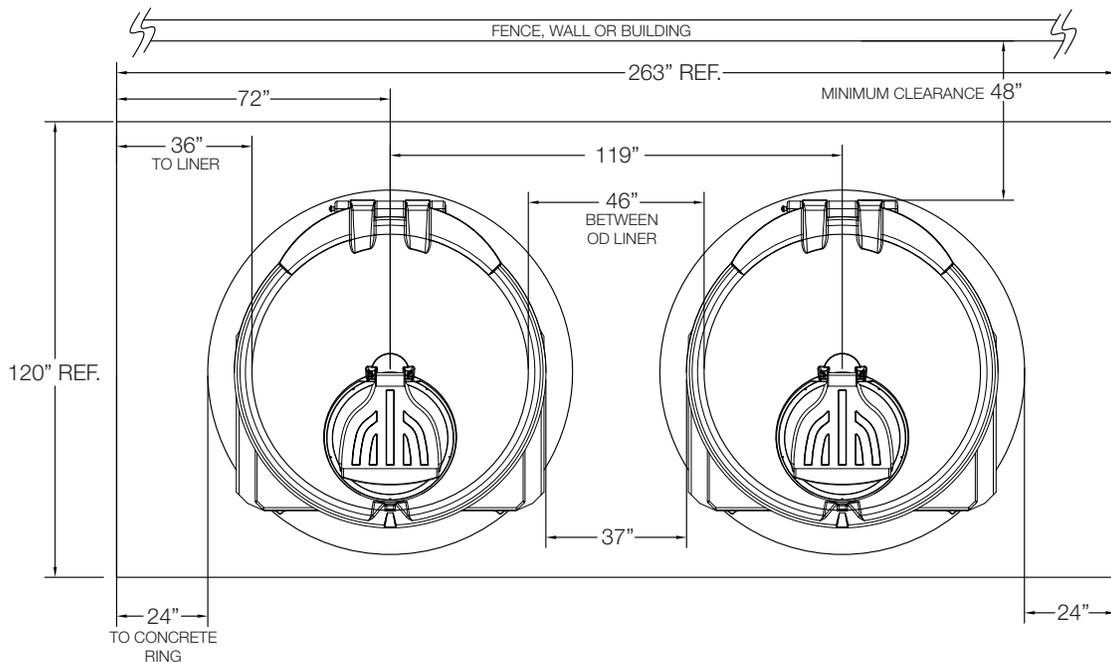
### 4.3 Installation Layouts

Layout for one bin installed straight.



Layout dimension is 3.05 m / 10 ft x 3.7 m / 12 ft

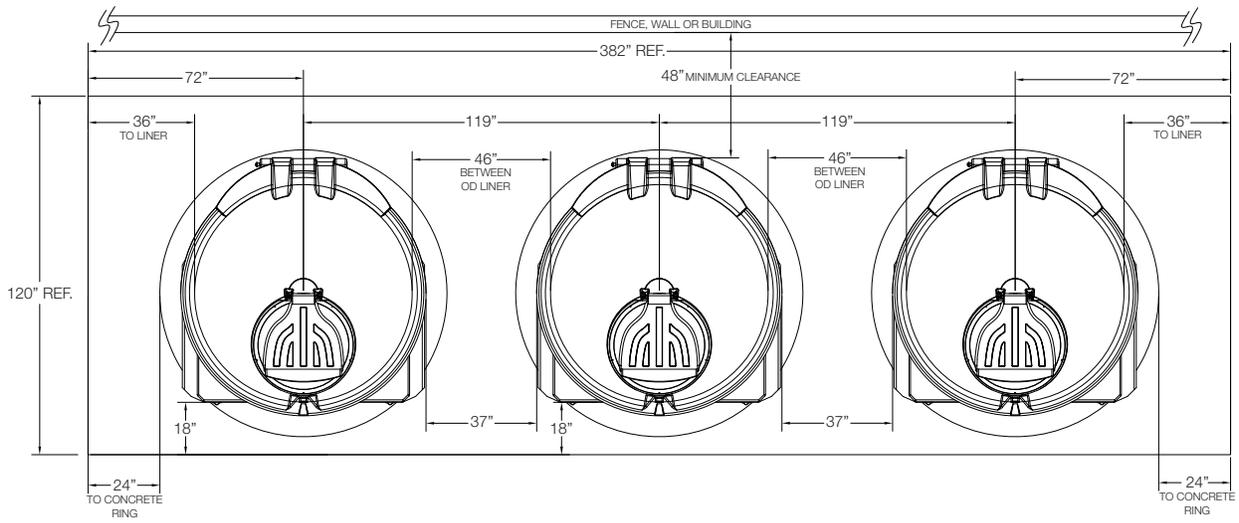
Layout for two bins installed straight (most popular).



Layout dimension is 3.05 m / 10 ft x 6.7 m / 22 ft

### 4.3 Installation Layouts (continued)

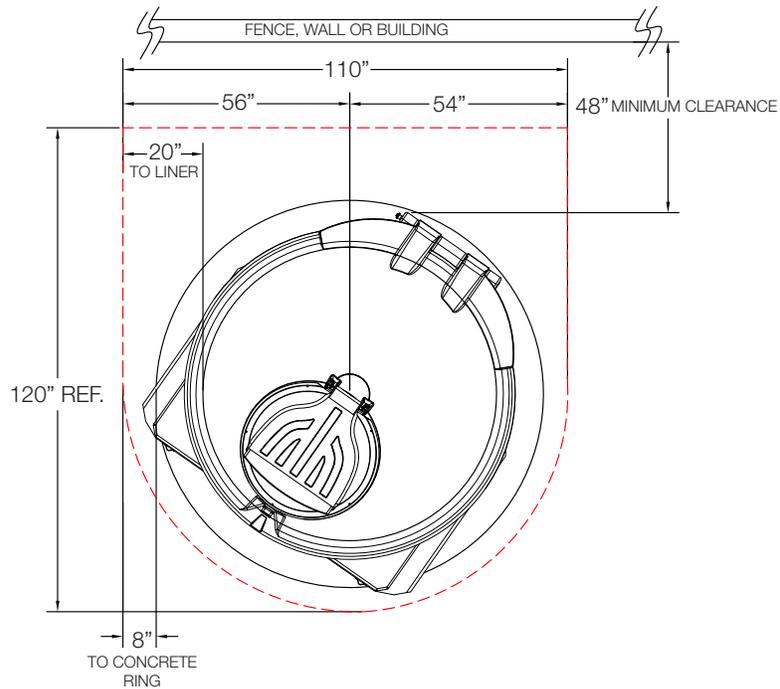
Layout for three bins installed straight.



Layout dimension is 3.05 m / 10 ft x 9.8 m / 32 ft

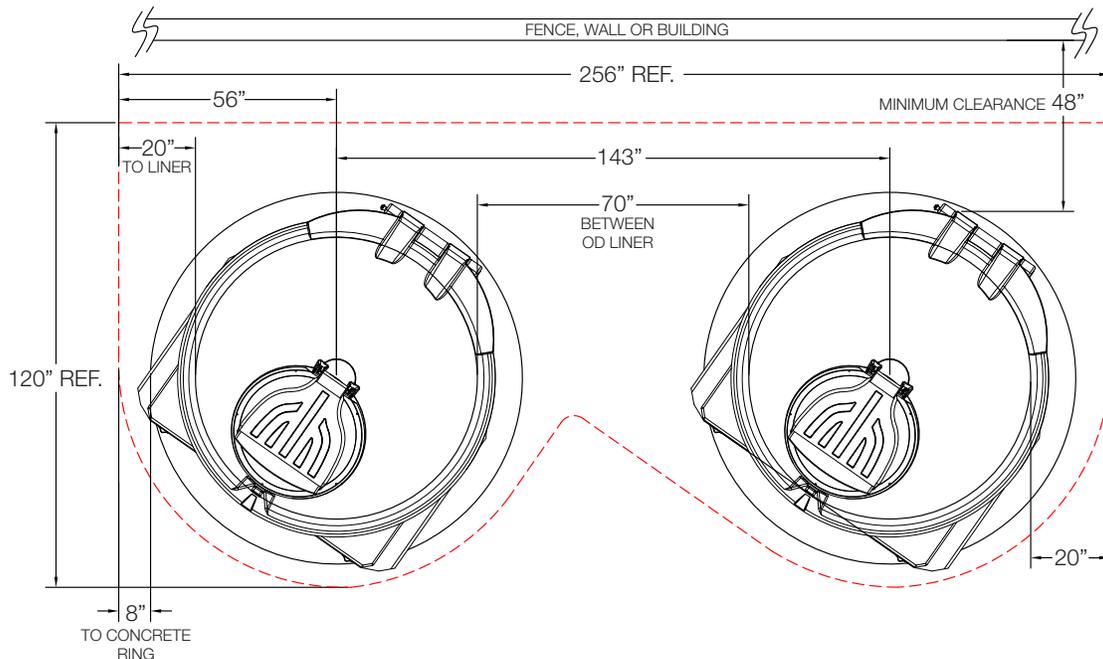
### 4.3 Installation Layouts (continued)

Layout for one bin installed on a 35° angle.



Layout dimension is 3.05 m / 10 ft x 3.4 m / 11 ft

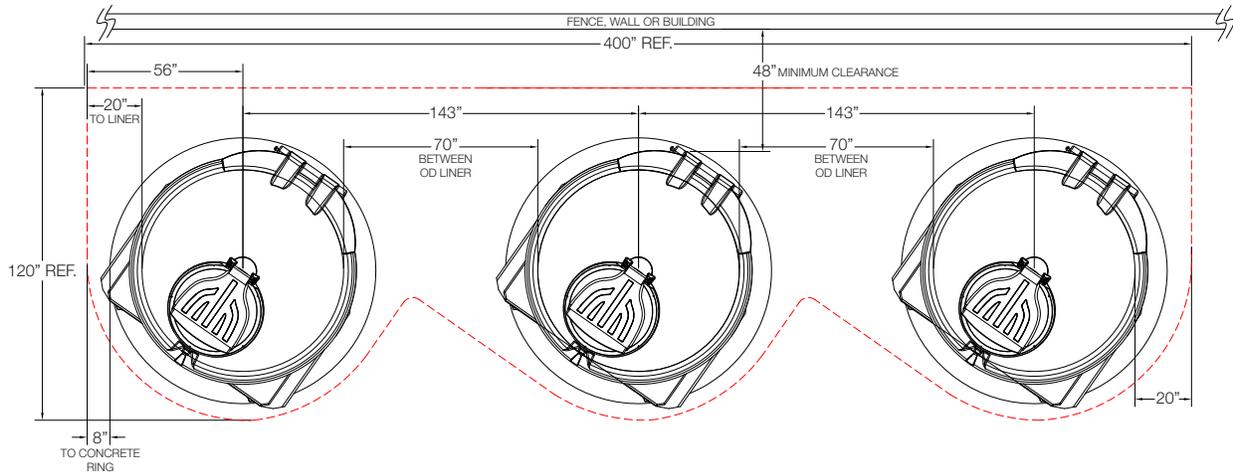
Layout for two bins installed on a 35° angle.



Layout dimension is 3.05 m / 10 ft x 6.7 m / 22 ft

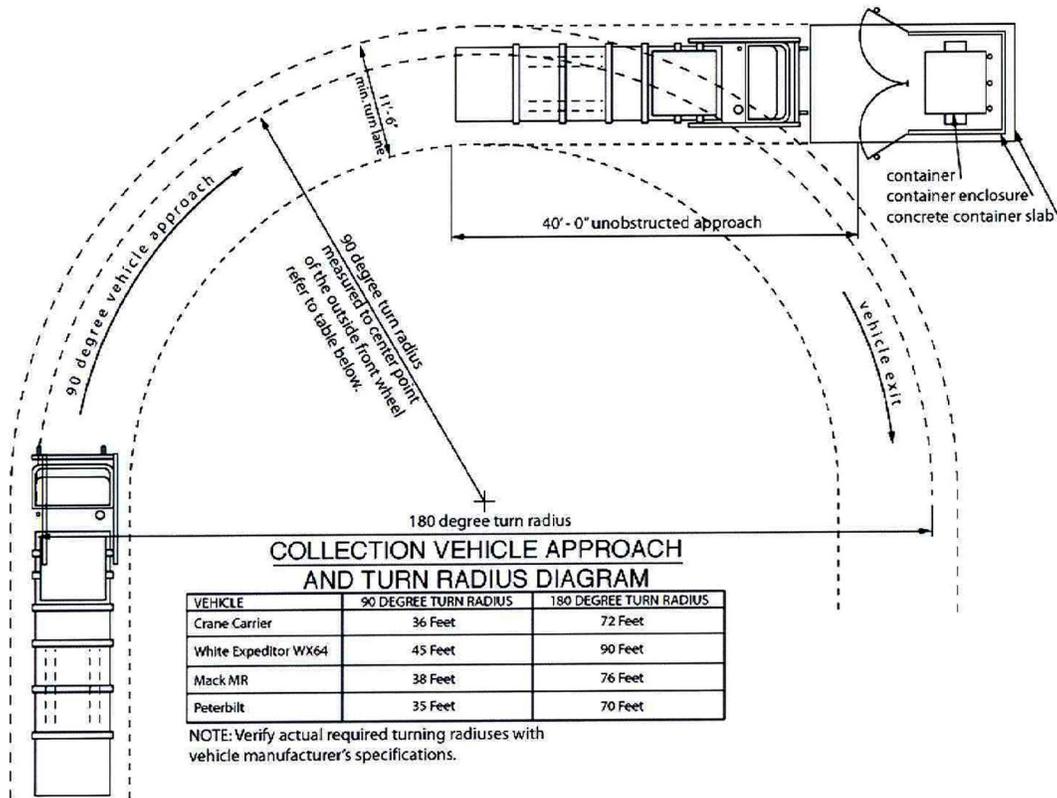
### 4.3 Installation Layouts (continued)

Layout for three bins installed on a 35° angle.



Layout dimension is 3.05 m / 10 ft x 10.4 m / 34 ft

### 4.4 Vehicle Approach and Turn Radius



## 5 Main Service Lid

### 5.1 Using The Gravity Lock

EnviroWirx's Gravity Lock lid works to prevent animals and insects from getting inside the container. When the bin is being emptied, the Gravity Lock lid will automatically unlock when tilted to a 45-degree angle. When the bin is replaced in an upright position, the Gravity Lock lid will lock once again.

If required, the Gravity Lock can be manually released through the Feed Door.

## 6 Feed Doors

### 6.1 Garbage, Organics and Recycling Feed Doors

The standard EnviroWirx Garbage and Organics Feed Doors are equipped with a retraction strap to easily pull the lid closed after use and a universal key to lock the unit. If additional keys are required, please contact EnviroWirx at 1-800-663-2803 or [info@rtscompaniesinc.com](mailto:info@rtscompaniesinc.com).

### 6.2 Cardboard Feed Door

EnviroWirx offers unique Cardboard Feed Doors that are slotted for cardboard waste. Users simply fold the cardboard and slide it through the slot for easy disposal.

## 7 Emptying Your EnviroWírx Bin

**Work with your garbage service provider to ensure that your EnviroWírx bins are being emptied on a frequent enough basis.**

### 7.1 Emptying by a Front-End Load Truck (FEL)

The owner should clearly mark the bin for the intended waste stream. EnviroWírx standard and custom signage available.

The owner/end-user assumes all responsibility and liability for ensuring the following items do not go into the EnviroWírx bin: heavy waste (ex: sand or rocks), demolition waste, steel structures, materials on fire, hot ash, grill coals, hazardous waste, corrosive liquids/materials, chemicals, ignitable materials, toxic waste or reactive waste. The owner is responsible for informing the waste collector and all users of the bin through clear signage and/or handouts.

Before emptying the bin, ensure there are no people or other materials inside that do not belong.

When emptying the bin, ensure there is clear visibility around it and that no one is standing too close. Make sure there are no people or animals located within a 20 m (65 ft) radius when emptying the bin. If a person or animal enters this space, the emptying process should be stopped until the area is clear. The owner is responsible for ensuring the area is kept clear during the emptying process.

Keep the area around the bin clear of ice and snow.

**DO NOT** use unnecessary force while emptying.

Maximum load capacity for each EnviroWírx bin is 1,500 kg / 3,300 lbs.

Visit [www.enviowirx.com/how-it-works](http://www.enviowirx.com/how-it-works) to view a video of how to empty an EnviroWírx bin.

## 7.1 Emptying by a Front-End Load Truck (FEL) (continued)

The waste truck driver is responsible for ensuring the unit is securely on the forks so that it will not fall during the emptying process.

1. Before emptying the EnviroWirx bin, set the Parking Brake.
2. Ensure there are no overhead hazards.
3. When emptying the bin, start by lifting slowly and vertically.
4. Continue to lift the bin, keeping it level, so that it is cleared from the side walls of the liner. **DO NOT** force the container out of the liner.
5. Once the EnviroWirx bin has cleared the liner, the bin can be angled to accommodate normal lifting procedure.
6. Proceed with lifting the EnviroWirx bin as is done with all other FEL designed units.
7. Slowly tip and dump the EnviroWirx bin to avoid swinging the lid past the box of the truck. **DO NOT** aggressively tip and dump.
8. When returning the EnviroWirx bin to the ground liner, return **SLOWLY** so that the lid does not flip open. Keep the bin level, so that it is cleared from the side walls of the liner. **DO NOT** force the container into the liner.

## 8 Maintenance

**Keep the area clear of all debris, snow, and ice. Regularly, visually inspect your EnviroWirx bin for wear on the hinge points, lifting receivers and lids. Periodically, check inside the bin to ensure that the gravity lock is clear of debris.**

**Please note: locks do not require lubrication.**

### 8.1 Safety Labels & Decals

The owner should clearly mark the bin for the intended waste stream. **DO NOT** remove safety labels and decals placed by EnviroWirx. Replace illegible safety labels and decals.

### 8.2 Cleaning Your EnviroWirx Bin

Regular cleaning will extend the life of your EnviroWirx bin. It is recommended to clean the interior and exterior of your bin as needed and a minimum of once per year using a pressure washer. After pressure washing, the water inside your EnviroWirx bin can be removed using a pump or vacuum truck. Please contact EnviroWirx at 1-800-663-2803 or [info@rtscompaniesinc.com](mailto:info@rtscompaniesinc.com) for a quote to have us clean your bin.

### 8.3 Cleaning Under Your EnviroWirx Bin

Cleaning under your EnviroWirx bin should be completed on an as-needed basis when something falls into the hole during service. Remove the bin from the hold and place off to the side before removing something from under the bin. Ensure proper safety precautions are followed. Please contact EnviroWirx at 1-800-663-2803 or [info@rtscompaniesinc.com](mailto:info@rtscompaniesinc.com) for a quote to have us clean under your bin.

### 8.4 Repairs

Please contact EnviroWirx at 1-800-663-2803 or [info@rtscompaniesinc.com](mailto:info@rtscompaniesinc.com) for replacement parts. Repairs should be completed by EnviroWirx / RTS Companies Inc. qualified personnel. Repairs completed by people who are not EnviroWirx / RTS Companies Inc. qualified personnel may void the warranty.

## 9 General Specifications

### 9.1 4.5 Yard EnviroWirx Bin

Capacity/Volume:	4.5 cu. yd.	3,440 L
Capacity/Weight (for 400 lifts):	3306 lbs	1500 kg
Width:	81 in	206 cm
Length:	86.4 in	219 cm
Height:	63.7 in	162 cm
Precast Concrete Diameter:	96 in	244 cm
Lid Diameter:	86.4 in	219 cm
Waste Feed Door Diameter:	30 in	76.2 cm
Cardboard Feed Opening:	24 in x 3.5 in	61 cm x 8.9 cm
Weight (Empty):	495 lbs	225 kg
Locks:	<ul style="list-style-type: none"> <li>- Automatic gravity lock on main lid</li> <li>- Manual keyed lock on feed door</li> </ul>	
Materials:	<ul style="list-style-type: none"> <li>- Container and liner rotomolded from commercial grade 12 year UV stabilized polyethylene</li> <li>- Lid rotomolded from 100% recycled commercial grade 12 year UV stabilized polyethylene</li> <li>- Galvanized steel lifting receivers</li> <li>- Aluminum signage</li> </ul>	
Other:	<ul style="list-style-type: none"> <li>- No enclosure or roof required</li> <li>- Bin is a one-piece design</li> <li>- Round shape minimizes hoop stress and breakage</li> <li>- North American patent for Round Semi-Underground Waste Utilizing The Front Load Collection System</li> <li>- Emptied using existing Front End Load (FEL) Trucks</li> </ul>	

### 9.2 7 Yard EnviroWirx Bin

Capacity/Volume:	7 cu. yd.	5,350 L
Capacity/Weight (for 400 lifts):	3306 lbs	1500 kg
Width:	81 in	206 cm
Length:	86.4 in	219 cm
Total Height:	130 in	330 cm
Above Ground Height:	66.8 in	170 cm
In-Ground Depth:	32.3 in	82 cm
Precast Concrete Diameter:	96 in	244 cm
Lid Diameter:	86.4 in	219 cm
Waste Feed Door Diameter:	30 in	76.2 cm
Cardboard Feed Opening:	24 in x 3.5 in	61 cm x 8.9 cm
Weight (Empty):	770 lbs	350 kg
Locks:	<ul style="list-style-type: none"> <li>- Automatic gravity lock on main lid</li> <li>- Manual keyed lock on feed door</li> </ul>	
Materials:	<ul style="list-style-type: none"> <li>- Container and liner rotomolded from commercial grade 12 year UV stabilized polyethylene</li> <li>- Lid rotomolded from 100% recycled commercial grade 12 year UV stabilized polyethylene</li> <li>- Galvanized steel lifting receivers</li> <li>- Aluminum signage</li> </ul>	
Other:	<ul style="list-style-type: none"> <li>- No enclosure or roof required</li> <li>- Bin is a one-piece design</li> <li>- Round shape minimizes hoop stress and breakage</li> <li>- North American patent for Round Semi-Underground Waste Utilizing The Front Load Collection System</li> <li>- Emptied using existing Front End Load (FEL) Trucks</li> </ul>	

## 10 Warranty

RTS Companies Inc. (RTS) warrants the EnviroWirx 7 yard to be free from defects in material and workmanship for a period of one (1) year from the date of purchase. All claims must be submitted during the warranty period with the following provisions:

1. All warranty periods begin on the date of invoice. This warranty does not cover defects, which are merely cosmetic, but is limited to defects, which result in structural failure, including structural failure due to material corrosion or deterioration. This warranty does not cover damage due to vandalism, abuse, lack of maintenance or improper installation.
2. Any claims made within the above stated warranty period must be made promptly after discovery of the defect. A part is covered only for the original warranty period. Once the warranty period on the part has expired, the warranty on any replaced or repaired part also expires. After the expiration of the warranty period, you must pay for all parts, transportation, and service charges.
3. The EnviroWirx bin shall be installed in accordance with the written installation instructions provided with each structure. Alterations to design or installation shall void the warranty.
4. Upon presentation of a valid claim within the applicable warranty period, Seller shall at its option repair or replace the defective part of parts FOB point of manufacture, excluding labour costs. This remedy is Buyer's sole and exclusive remedy. In no event shall the Seller be liable for any indirect, special, incidental, or consequential damages.
5. RTS Companies Inc. is not responsible for damage caused by others, including acts of God, vandalism, fire, theft, or corrosion caused by moisture, chemicals, salt spray, pollution or rodent infestation.
6. No person except Seller's President shall have the authority to alter this warranty.
7. RTS Companies Inc. reserves the right to accept or reject any claim in whole or in part.

## 11 Frequently Asked Questions

### **Is an enclosure required around my EnviroWírx bin?**

Installation of an EnviroWírx bin eliminates the need for a fence or enclosure around your waste area, which is becoming a requirement in many regions.

### **Who installs EnviroWírx bins?**

We recommend using our in-house team of installers, however we also have installation instructions available to assist third party installers if required.

### **Is specialty equipment required to empty?**

No specialty equipment is required to empty your EnviroWírx bin which is serviced by front-end load trucks that are standard in North America.

### **Are EnviroWírx bins made from recycled content?**

The liner and lids of EnviroWírx bins are made from 100% recycled polyethylene.

### **What happens if my EnviroWírx bin gets damaged?**

EnviroWírx bins are rarely damaged but if your bin gets damaged, contact us and we will pick it up and recycle the components.

### **What footprint is required for EnviroWírx bins?**

The footprint depends on how many bins are installed and whether they are installed straight or on an angle. Refer to section 4.3 for footprint details.

### **What accessories are available?**

Available accessories include gas shock lid strut, gravity lock, cardboard slotted lid and custom signage.

### **What size EnviroWírx bin do I need?**

The size of EnviroWírx bin required is determined on a case by case basis. Please contact us to discuss the size of bin required for your specific project.

### **What colours are available for EnviroWírx bins?**

EnviroWírx bins are available in graphite, green, brown and oak colours.

### **Are EnviroWírx bins ISO certified?**

RTS Companies Inc., the parent company and manufacturer of EnviroWírx, is an ISO 9001:2015 certified company.

# EnviroWirx™

[www.envirowirx.com](http://www.envirowirx.com)

1-800-663-2803

[info@rtscompaniesinc.com](mailto:info@rtscompaniesinc.com)

