



Government of the  
District of Columbia

# APPLICATION AND REFERRAL TO THE US COMMISSION OF FINE ARTS FOR OLD GEORGETOWN REVIEW

OG

HPA

In accordance with the Old Georgetown Act of 1950 (Public Law 808, 81<sup>st</sup> Congress) this application/transmittal is being transmitted to the US Commission of Fine Arts (CFA) for review and recommendation before a building permit can be issued. Work in Georgetown is also subject to a coordinated historic preservation review under the DC Historic Landmark and Historic District Protection Act of 1978. These reviews are initiated with the completion and submission of this form.

THIS IS A REQUEST FOR THE FOLLOWING REVIEW BY THE COMMISSION OF FINE ARTS:

- ☒ **CONCEPTUAL REVIEW** to receive guidance at the early stages of design
- ☐ **PERMIT REVIEW** to receive a recommendation on building permit application No. \_\_\_\_\_

## 1. OWNER, APPLICANT, AND PROPERTY INFORMATION

Project Address: See attached documentation

Square: \_\_\_\_\_ Lot: \_\_\_\_\_ (To find your square and lot, see [www.propertyquest.dc.gov](http://www.propertyquest.dc.gov))

Property Owner's Name: \_\_\_\_\_

Owner Address (if different from project address): \_\_\_\_\_

Owner Phone: \_\_\_\_\_ Owner Email: \_\_\_\_\_

Applicant's Name (if different from owner): Georgetown Business Improvement District

Agent's Capacity: ☐ Tenant ☐ Architect ☐ Contractor ☐ Contract Purchaser ☐ Expediter ☒ Other

Agent Address (if different from owner): \_\_\_\_\_

Agent Phone: 202-298-9222 Agent Email: ncannon@georgetowndc.com

- ☐ I am currently the owner of the property
- ☐ I am a homeowner currently receiving the DC homestead deduction for this property
- ☐ I am an authorized representative of the property owner
- ☐ I am or represent a potential purchaser of the property

## 2. SUBMISSION MATERIALS FOR THE COMMISSION OF FINE ARTS AND HISTORIC PRESERVATION REVIEW

- ☒ Drawings must be submitted in two formats: electronic (3MB maximum size, by email or flash drive) and TWO paper sets (11" x 17" for conceptual review) of the following:
- ☒ Drawings, including, as applicable, elevations, details, and a site plan sufficient to illustrate the footprint, location, height, massing, design, and materials of the proposed work and its surrounding context; site plans should show the existing footprint of the property and adjacent buildings.
- ☒ comprehensive exterior photographs of the building, structure, or site and its context (showing adjacent buildings, immediate surroundings, and the areas of proposed work)

For more information on submission requirements, see [www.cfa.gov](http://www.cfa.gov) or contact the CFA staff at 202-504-2200

## 3. PROJECT DESCRIPTION (CHECK ALL THAT APPLY)

☐ Addition ☐ Exterior Alteration or Repair ☐ New Construction ☐ Subdivision ☒ Other

Briefly describe the nature of the project: \_\_\_\_\_

Placement of public furnishings in streetscape and plazas and addition of treebox treatments in the Georgetown commercial district.

(over)

	YES	NO	UNSURE
Is the proposed work visible from a public street or alley?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Will there be work on the front of the building or in the front yard?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does the project include work in public space?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the project include removal of roof or floor framing or bearing walls?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is this a Fair Housing Act request for "reasonable accommodation"?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### 4. ADDITIONAL INFORMATION FOR LARGER PROJECTS

For renovation or new construction projects exceeding 20,000 square feet, attach a full narrative description indicating the general nature of the project, program of uses, estimated gross floor area by use, number of residential units, scope of preservation work, and any other pertinent features or benefits, including aspects of sustainability. *Homeowners proposing work on their own house do not need to provide this information.*

#### 5. EASEMENTS

	YES	NO	UNSURE
Is there a conservation easement on the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, have you discussed the project with the easement holder?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#### 6. COMMUNITY CONSULTATION

	YES	NO	UNSURE
Have you shared project information with abutting neighbors?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you contacted the affected Advisory Neighborhood Commission (ANC 2E)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you contacted any neighborhood community organizations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*For more information about project review by ANC 2E, see [www.anc2E.com](http://www.anc2E.com) or call the ANC at 202-338-7427*

#### 7. ZONING REGULATIONS AND CONSTRUCTION CODE

	YES	NO	UNSURE
Will the project cause a change in building footprint or lot occupancy?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are any zoning variances or special exceptions required for the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, have you discussed the project with the Zoning Administrator?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, have you discussed the project with the Office of Planning?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is any building code relief required for the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Briefly describe the nature of any zoning variances or code relief being sought: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

#### 8. CERTIFICATION

I hereby certify that the information given in this application is true and accurate. If applying as an agent of the owner, I certify that I have the owner's permission to make this application.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

When completed, submit this form with all plans, photographs, and other attachments to the Historic Preservation Office (HPO) desk at the DC Permit Center, Department of Consumer and Regulatory Affairs, 1100 4th Street SW, 2nd floor. Upon review of this submission, CFA or HPO staff may contact the owner or agent for consultation, and may request additional information if determined necessary to review the project.

Referral to CFA or the Historic Preservation Review Board, if required, may be deferred if information is not received within sufficient time to allow staff evaluation and preparation for review. All application materials are part of the public record and are made available to the public for inspection. For more information, see [www.cfa.gov](http://www.cfa.gov) or [www.preservation.dc.gov](http://www.preservation.dc.gov).



**Historic Preservation Office**  
DC Office of Planning  
(202) 442-8800  
[historic.preservation@dc.gov](mailto:historic.preservation@dc.gov)

District of Columbia  
Office of Planning





Georgetown Commercial District  
Public Furniture & Treebox Masterplan

**Presented by the Georgetown Business Improvement District**



*Plaza on private property near Grace Street NW, photo by James Jackson, 2019*

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# Project Overview

## Purpose

### **A Socially, Economically & Environmentally Sustainable Commercial District**

#### Social Sustainability

Why public furniture? Furniture can assist in meeting the basic human needs of visitors. In the streetscape, benches provide respite, shade from healthy trees improve comfort and air quality and receptacles keep the sidewalks clear of garbage. In plazas, bistro seating provides places to gather, socialize, meet neighbors, enjoy local cuisine, take a lunch break out of the office, passively recreate for health or rest during a shopping trip.

At present, the 2/3 mile stretch of M Street NW from 28th Street NW to 34th Street NW there are no benches or seating areas in the streetscape. The 2/3 mile stretch of Wisconsin Ave NW between Georgetown Waterfront Park and Book Hill Park has no public benches or seating areas in the streetscape - and has a 118' vertical elevation change. There is a need for public furnishings to better accommodate Georgetown residents, employees, and visitors.

#### Economic Sustainability

A commercial district inhospitable to people can suffer financially. With the rise of online retail, brick and mortar commercial districts have greater competition for patrons. Georgetown, like other places, is struggling with vacant store fronts. Public furniture can contribute to a positive shopping experience to keep customers coming back to support our retailers.

#### Environmental Sustainability

Improved treebox treatments can support tree canopy health improving air quality.

Furniture impacts the environment through materials used, lifespan needs, and eventual disposal. Proposed furnishing and treebox materials are made from recycled materials where possible, i.e. recycled milk jugs in HDPE furniture and recycled tires in the treebox material.

Furniture is maintained to prolong the lifespan such as repairing chipped finish, repainting items, and regularly oiling or treating wood. Eventually, furniture lifespans will be reached. The BID will evaluate options on a per piece basis such as donation or dismantling and recycling furniture parts.



*Fishmarket Square, photo by James Jackson, 2018*

## Masterplan Process

The process of selecting the proposed furniture, locations, and materials has evolved over several years. The process had 2 components: experimentation (furniture pilots) and community engagement.

### Experimentation

The BID purchased movable bistro furnishings for Fishmarket Square years ago to discourage its use as a motorcycle parking area. Since that time, a variety of intentional furnishings have been piloted in a handful of locations.

Each piece is carefully researched ahead of time and similar furnishings around the region are visited to observe wear. Purchased furniture is piloted in a location where it can be closely monitored for use and wear and users are interviewed for additional perspectives. Camera installations have assisted in collecting data on furniture use over a period of consecutive days. This process has helped to select successful furniture for Georgetown.

### Community Engagement

A Placemaking Committee was formed in early 2019 with representatives from the Community Association of Georgetown, local architecture and landscape architecture firms, ANC 2E commissioners, BID board members, retail tenants, property managers and residents. The committee worked together to evaluate existing furniture, recommend changes and weigh in on furniture locations that should be prioritized or not furnished. This masterplan is a direct result of their work.

## Furniture Framework

### Safety & Durability

Safety and durability of public furniture is essential. The materials need to reduce chance of splinters and excessive heat gain. Each piece must hold up to year-round weather elements and daily public use.

### Lifecycle Cost

The BID is committed to the lifecycle costs of the proposed furniture and materials. This includes upfront costs, installation, regular maintenance, refurbishment and eventual recycling, donation or disposal.

### Equitability

Furniture design impacts equitability. Benches with arms assist in standing up after sitting. Different seating types meet the needs of different people of different ages. Movable furniture ensures that a custom, comfortable experience can be had by all users.

### Style

Furniture in different locations around the Georgetown commercial district should be stylistically appropriate. Furniture in the streetscape is intended to support the existing historical appeal. Furniture in the plaza areas generally away from the streetscape is intended to appear temporary and not part of permanent fabric of Georgetown. Appropriate styles are approachable and welcoming to visitors.

# Furniture Locations

## Georgetown Commercial District

#	ADDRESS	ADJACENCY	PROPERTY OWNERSHIP	STREETSCAPE OR PLAZA
A	1111 34th St NW	34th Street corridor north of canal	DDOT	Plaza
B	3333 Water St NW	Near canal towpath	NPS, Private	Plaza
C	1025 33rd Street NW	33rd Street corridor north of canal	DDOT	Plaza
D	1000 Potomac St NW	Fishmarket Square	DDOT, NPS	Plaza
E	1046 Potomac St NW	Canal Overlook	DDOT, Private	Plaza
F	1211 Potomac St NW	Near Luke's Lobster	DDOT	Plaza
G	3223 Grace St NW	Plaza between HOK and Chaia Tacos	Private	Plaza
H	1064 Wisconsin Ave NW	Obelisk Plaza north of canal near Pinstripes	DDOT, Private	Plaza
I	950 Wisconsin Ave NW	Georgetown Waterfront Park	NPS	Plaza
J	1070 31st St NW	North of Moby Dick	DDOT	Plaza
K	1050 Thomas Jefferson St NW	Office building	DDOT, Private	Plaza
L	1058 30th St NW	C & O Canal Lock 3	NPS	Plaza
M	2929 M St NW	In front of SunTrust Bank	DDOT	Streetscape
N	2799 M St NW	Plaza west of Mieg's Park	NPS, DDOT	Streetscape
O	2601 M St NW	Sidewalk by Rose Park	DPR	Streetscape
P	3250 Prospect St NW	North of Wawa	DDOT	Streetscape
Q	3206 N St NW	Plaza near Sid Mashburn	Private	Plaza
R	3205 N St NW	On south side of Papyrus	DDOT	Streetscape
S	3207 O St NW	East of Wingo's	DDOT	Plaza
T	3317 P St NW	Near Chase Bank	DDOT	Streetscape
U	1629 Wisconsin Ave NW	Near Illusions of Georgetown	DDOT	Streetscape
V	1633 Wisconsin Ave NW	Near DC Lash Bar	DDOT	Streetscape
W	1645 Wisconsin Ave NW	In setback by Patisserie Poupon	Private	Plaza
X	1666 Wisconsin Ave NW	Landscaped Triangle	DDOT	Plaza
Y	1699 Wisconsin Ave NW	Near Book Hill Park	DPR	Plaza

Receptacles are located throughout the Georgetown commercial district to accommodate cleanliness.

Locations with existing furnishings are highlighted in yellow.

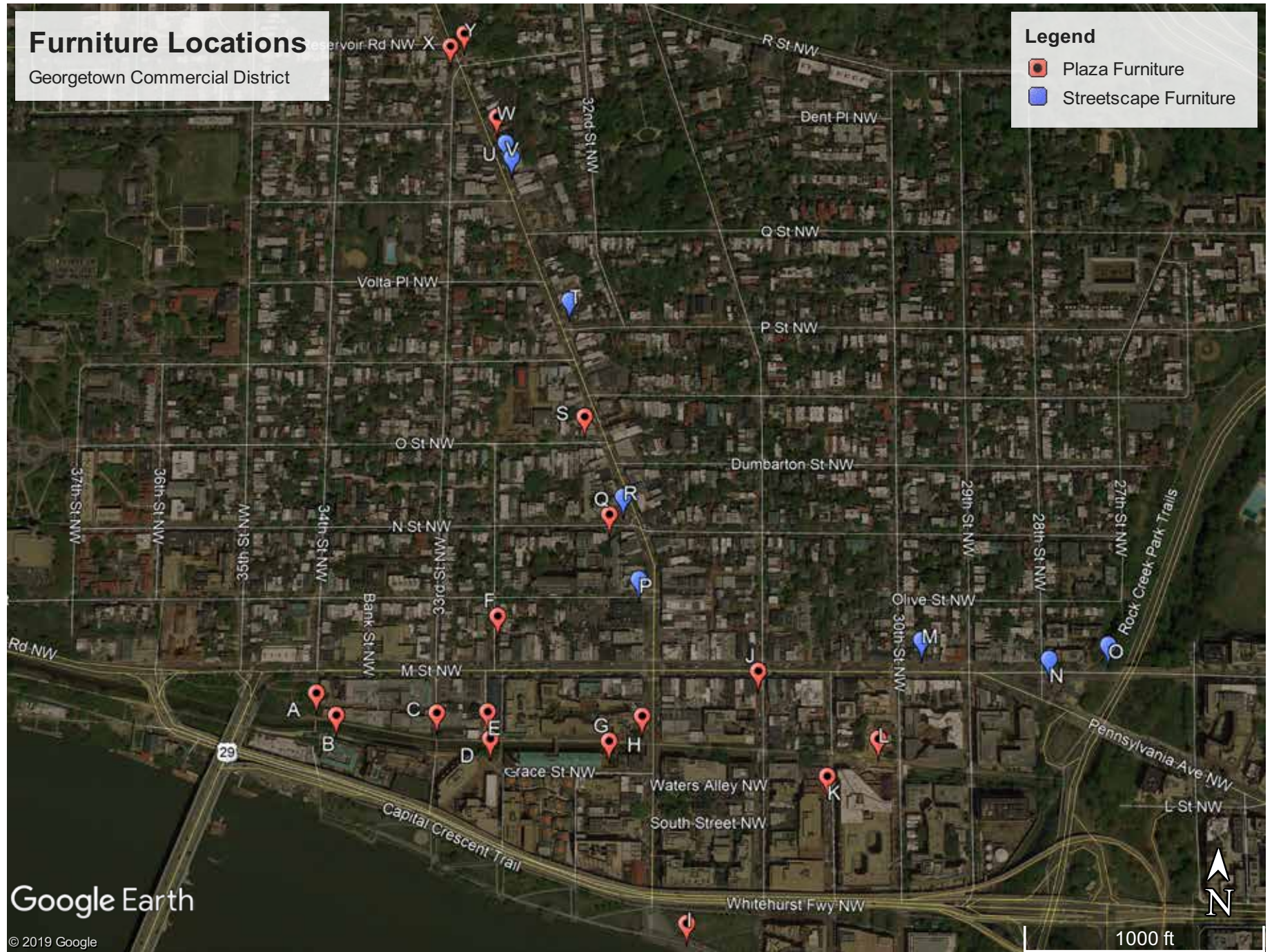


# Furniture Locations

Georgetown Commercial District

## Legend

- Plaza Furniture
- Streetscape Furniture





# Furniture Location Images

## **Additional Information**

The following images correspond to the lettered furniture locations listed in the spreadsheet on page 4. Images typically represent areas without furnishings present.

Exact locations of furniture elements are negotiated with the applicable property owners and permitting agencies during the permitting process. In areas where pedestrian clear zones are not relevant, reasonable walking paths are maintained to accommodate pedestrian traffic flow and maximize the safety and comfort of visitors.



A





B





C





D





E





F





G





H







J





K



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- Service
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L

A



M





N









P





Q





R





S





T





U





V





W





X





Y





Z



### Additional Furniture Location

#	ADDRESS	ADJACENCY	PROPERTY OWNERSHIP	STREETSCAPE OR PLAZA	SIGNS ANTICIPATED
Z	2700-2900 K Street NW	K Street Gateway	DDOT	Streetscape (planters)	No signs



# Streetscapes

## Approach

The Georgetown commercial district streetscape is defined as the area from the curb to building facades, generally located in the right-of-way. It is comprised of pedestrian clear zones for walking and adjacent furniture zones where receptacles, street trees, light poles, utility boxes and other streetscape elements are located.

Proposed streetscape furniture is intended to support the historical appeal of the existing streetscape aesthetic represented in light pole ornamentation and some facade and metal detailing on buildings.

All furniture locations adhere to DDOT standards for pedestrian clear zones and other safety and accessibility regulations. Additional furniture is not widely proposed, only in select locations such as where resting points provide necessary reprieve to visitors.

### Colors & Materials

1. Rolled or cast metals with black finish such as powder coating
2. FSC Certified wood suitable and treated for outdoor use



*Examples of proposed colors and materials: hardwood Iroko slats with black powder coated cast iron frame*

## Furniture

### Benches

The following bench styles are being considered for use in the Georgetown commercial district. Each can be manufactured in various lengths with intermediate armrests to discourage unwanted behavior such as horizontal sleeping. Benches will have high quality wood such as Ipe and back coated metal frame pieces. Approved equals from manufacturers other than those listed may be used.

A bench similar to the Parkgate style appears in Rose Park. Benches similar to the C-10 and 57 appear in NPS parks in Georgetown and on private property such as location G of the masterplan. Note that wood colors shown may not be typical of proposed wood.



*Victor Stanley C-10*



*DuMor Bench 57*



*Broxap Parkgate*



*Broxap Eastgate*



# Preferred Bench Design

## Additional Information

The BID feels that any of the presented bench designs would be appropriate for streetscape use in the commercial district. The BID is interested in receiving comments on all bench designs presented.

It is the BIDs assessment that the Eastgate bench which does not already appear on NPS land or privately owned plazas in Georgetown is particularly well suited for urban streetscape use. It is more erect as opposed to feeling lounge-like. The ironwork in the armrests is stylistically appropriate and complementary of existing architectural features seen in the streetscape. It is somewhat distinct (yet constrained) as the Georgetown commercial district is distinct from parks and neighboring communities.



## Planters

Strategically placed and well-maintained planters can be an asset in the Georgetown commercial district. Planters can create separation between walking paths and resting areas and signal a managed streetscape where deviant behavior is not tolerated.

The self-watering planters are black plastic in simple forms. The bottom half of each planter is water basin filled every few weeks instead of requiring top-watering on an almost daily basis. This reduces the amount of water and maintenance resources needed.



*Planter forms and self-watering system diagram*

## Rodent Resistant Receptacles

Waste and recycling receptacles throughout the Georgetown commercial district are a commonly used food source for rodents. The BID is committed to reducing rodent populations to improve public health and the visitor experience.

Quality rodent resistant receptacles designed for streetscape use are not widely marketed. The BID has approached furniture manufacturer Victor Stanley about providing a customized receptacle that minimizes rodent activity. This new proposed style of receptacle will be piloted this year for potential wider-spread use.



*Rodent resistant receptacle, will have pull-down access and a black finish*



*Current receptacle*

## Maintenance

### Daily

Receptacle rims are wiped daily and waste and recycling is properly disposed of. Other streetscape garbage and leaves are removed. Visible spills on furnitures are cleaned. Noticeable damaged is reported and repairs are scheduled.

### Seasonally

Planter reservoirs are filled every few weeks during warmer months and plants are changed seasonally. Wood bench slats are treated for outdoor wear. Touch-ups to the finish are applied.



# Treebox Treatments

## Overview

- The variety of treebox treatments in the Georgetown commercial district cause problems that range from tree health and pedestrian safety to aesthetics.
- The OGB previously recommended a porous bonded rubber and gravel pavement (documentation attached). Pilots of this treatment have aged to look like asphalt.
- The BID proposes a similar all-rubber pavement in a warmer color with a different binder to achieve a more desirable result.
- The BID proposes a similar shredded bonded rubber product for raised-edge or otherwise non-walkable treeboxes.

## Treebox Issues

Treebox treatments in the Georgetown commercial district consist of gravel, bark mulch, metal tree grates, raised edges, treebox fences, additional tree rings, bonded rubber pavement, asphalt cold patches, compacted soil and combinations of the above. These conditions negatively impact the following:

1. Tree health. Loose material is compacted from foot traffic reducing the amount of air in the soil. Tree roots cannot receive the water and nutrients needed threatening the life of the tree and restricting canopy size.
2. Pedestrian safety. Loose gravel and mulch spill out of the treeboxes creating a tripping hazard on the sidewalk. Compacted treebox material creates a tripping hazard between the lowered material and sidewalk elevation (image). Broken treebox fences have sharp metal edges causing injuries.
3. Walkable pedestrian space. Treeboxes with inconsistent elevations and non-walkable surfaces are avoided by pedestrians reducing the walkable area for crowds on already narrow sidewalks.

4. Aesthetics. Inconsistent treebox treatments with maintenance issues do not contribute to the unity and continuity of the Georgetown streetscape aesthetic. Spilled mulch and exposed rodent mesh is unsightly.
5. Maintenance. Daily sweeping of treebox mulches that have spilled out of the boxes from pedestrian activity is a strain on resources.
6. Rodent control. Rats and other rodents burrow in treeboxes with loose surface material kicking up soil and mulch, increasing tripping hazards, threatening public health, and reducing the desirability of Georgetown. Metal mesh is added to treeboxes with rodent issues to discourage rodent activity.



*Typical compacted gravel in a treebox with resulting tripping hazard*



*Extreme example of treebox treatment by adjacent property manager*



## Proposed Solution

### Walkable Treebox Treatment

Install porous bonded rubber pavement in a warm brown color in treeboxes that are at grade level on M Street NW and Wisconsin Ave NW and other streets with constricted sidewalks in the Georgetown commercial district. Material to be smoothed flat to match level of adjacent sidewalk.

Rubber nugget pieces are from recycled rubber and dyed. Binder is urethane rubber.

### Non-walkable Treeboxes

Install a bonded rubber mulch in bark brown color in treeboxes that are not accessible such as having a raised edge, a treebox fence, or are on side streets with adequately wide sidewalks and little need to walk inside the treebox area. Treebox treatment is to be finished with natural mounding to imitate a loose bark mulch product.

Shredded rubber is recycled and dyed. Binder is urethane rubber.

### Installation Notes

- Treeboxes along a block or stretch of sidewalk are to be treated consistently.
- Removal of existing tree grates to be on a case-by-case basis with a preference to leave in-tact tree grates that are not a tripping hazard or damaging the tree.
- Treeboxes on side streets maintained by property owners with plantings and lights will not be resurfaced at this time. There are limited if any instances of treeboxes maintained in a desirable fashion by property owners or retailers on M Street NW or Wisconsin Ave NW in the Georgetown commercial district.



### Alternative Treatments

1. It is our understanding that existing treegrates were initially removed due to damage to trees and growth of roots which prevented obstructed grates from laying flat.
2. Plantings are difficult and costly to maintain and reduce the amount of walkable area along narrow sidewalks.
3. Loose gravel and bark mulches are messy and allow compaction of root-zone soil when trod upon.
4. Porous pavement prevents soil compaction improving tree health, can be installed as a walkable surface increasing walkable area, improves aesthetics, and can be installed and maintained in a cost-efficient manner.



# Treebox Plan



## Additional Information

### Treebox Map

All treeboxes within the Georgetown BID boundaries shown to the right will be assessed for potential porous pavement treatments.

### Constricted Sidewalks

Constricted sidewalks are qualified by the width of the pedestrian clear zones in combination with the amount of foot traffic received. The BID uses pedestrian counting devices to measure foot traffic throughout Georgetown.

Constricted sidewalks within the BID boundaries include:

1. M Street NW between 29th and 35th Streets NW
2. Wisconsin Ave NW between South Street and Reservoir Road
3. Grace Street NW
4. Potentially other streets per further analysis



# Plazas

## Approach

Plaza furnishings are meant to appear temporary and seasonal. While it is important that the colors and materials are appropriate for Georgetown, they are not meant to appear as original or historical design elements. These furnishings are to evoke public use, animate plazas, and appear comfortable and approachable. Plaza furniture is most successful when it can be moved short distances by visitors to customize their experiences.

### Colors & Materials

1. Metal with blue (RAL 5005) or black finish such as powder coating
2. Recycled high-density polyethylene (HDPE) in blue RAL 5005) or black with UV protectants
3. FSC Certified wood suitable and treated for outdoor use

Colored HDPE and metals will inevitably experience some fade and wear with exposure to the elements and regular use. Colors are purchased to match as closely as possible by some variation is expected.



*Metal with black finish, blue HDPE and wood with outdoor finish*

## Furniture

### Core Furniture

Core plaza furnishings consist of bistro tables and chairs, umbrellas for shade, and planters. [See attached documentation for furniture information.](#)

### Bistro Seating

Basic seating for individuals and groups provides areas to eat, rest, read, work, and other activities. The movable nature of the tables and chairs allows users to adjust for comfort by moving in or out of shade or accommodating a larger group. The tables and chairs are cabled together near the ground to prevent theft.

Both bistro sets shown below are classic styles associated with Parisian streets and gardens. These forms contribute to a meaningful Georgetown experience. Different bistro table and chair types are not mixed at single location.



*Traditional Folding Bistro Set*



*Luxembourg Stacking Bistro Set*



## Umbrellas

Shade is an essential component of comfortable seating during warm summer months. Where tree canopies are insufficient or missing altogether, umbrellas are used. Umbrella canopies are blue weather-resistant woven polypropylene fiber fabric with heavy black metal bases. Visitors typically do not try to move the umbrellas due to their weight but sometimes open and close the canopies.



*Blue umbrella canopy with black base*

The blue canopies are sometimes visible down a street and signify a seating area before the tables and chairs are visible.

## Planters

A year-round show of shrubs and flowers add the color and warmth to plazas. Careful maintenance sends a message that plazas are maintained and not locations for deviant behavior. The self-watering planters are black plastic in simple forms. The bottom half of each planter is water basin filled every few weeks instead of requiring top-watering on an almost daily basis. This reduces the amount of water and maintenance resources needed.



*Planter forms and self-watering system diagram*

## **Accent Furniture**

Accent furnishings consist of more novel pieces for lounging such as but not limited to armchairs, rocking chairs, and swings. These pieces are used sparingly and complement the core furnishings. Using different types of accent furniture in plazas makes each plaza a unique, discoverable destination, i.e. rocking chairs are only found at the 33rd Street plaza. Many types of accent furniture are not meant to be mixed in single locations.



*Examples of accent furniture*

## **Maintenance**

### Daily

Bistro tables are wiped down and other visible spills and garbage is removed. Receptacle rims are wiped. Plazas are swept and furniture is relocated if obstructing walking paths. Umbrella canopies are opened or closed, weather dependent.

### Weekly

Seating furniture is wiped down, checked for damage and attended to. Weeds are pulled. Walls, fenced, and other surfaces are swept or wiped down. Plants are trimmed as needed.

### Seasonally

Wood is treated, spot touches on metal finished are performed. Planters are replanted in spring and late fall and water reservoirs are filled every few weeks.

## Signage

Signs are to be selectively used in some plaza areas to communicate the concepts listed below. Not all concepts to be present on each sign; messaging to be catered to each location and. Messaging on signs to be simple, clear, readable, and uncluttered. No commercial or other advertising on signs.

1. Public nature of furnishings, especially when furnishings are located near a food vendor, i.e. at Canal Overlook which is next to a coffee shop. The logo "PUBLIC SPACES BY GEORGETOWN DC" may be used to communicate this.
2. Name of plaza if applicable to foster a sense of place.
3. Encouragement of positive social behavior such as cleaning up garbage after oneself where appropriate.
4. Discouragement of unlawful activities where issues exist such as use of marijuana.

### Signs

- Blue PVC or similar (metal signs became bent and scratched)
- Rounded corners for safety
- Up to 18"x18" on upright stands bolted at top and bottom
- Up to 8"x8" in/on planters, bolted to planter or adhered to metal stake
- White lettering with red accents 1/2" - 1 1/2" in height

### Upright Stands

- Metal with black finish
- Base semi-permanently fastened to the ground
- Single vertical pole
- Up to 42" high including sign to keep eye-level views clear
- Sign centered horizontally on pole, typically 2-sided

### Planter Stakes:

- Metal with black finish
- Sign centered horizontally on stake, 1-sided



Examples of signs

#	ADDRESS	SIGNS ANTICIPATED
A	1111 34th St NW	1 sign on stand
B	3333 Water St NW	1 sign in/on planter
C	1025 33rd Street NW	1 sign on stand
D	1000 Potomac St NW	2 signs on stands
E	1046 Potomac St NW	2 signs on stands
F	1211 Potomac St NW	1 sign in/on planter
G	3223 Grace St NW	No signs
H	1064 Wisconsin Ave NW	1 sign on stand
I	950 Wisconsin Ave NW	No signs
J	1070 31st St NW	1 sign in/on planter
K	1050 Thomas Jefferson St NW	2 signs on structure
L	1058 30th St NW	No signs
M	2929 M St NW	No signs
N	2799 M St NW	1 sign on stand
O	2601 M St NW	No signs
P	3250 Prospect St NW	No signs
Q	3206 N St NW	1 sign on stand
R	3205 N St NW	No signs
S	3207 O St NW	2 signs on structure
T	3217 P St NW	No signs
U	1629 Wisconsin Ave NW	No signs
V	1633 Wisconsin Ave NW	No signs
W	1645 Wisconsin Ave NW	1 sign in/on planter
X	1666 Wisconsin Ave NW	1 sign on stand
Y	1699 Wisconsin Ave NW	1 sign in/on planter





*Furniture activation at 33rd Street NW north of the C & O Canal, photo by Sam Kittner, 2019*

**Georgetown Commercial District | Public Furniture & Treebox Masterplan**





# Storm Water Control through Tree Canopy Expansion in Georgetown

Prepared for: OGB/CFA

Prepared by: John P. Thomas, Associate Director

March 11, 2014



## EXECUTIVE SUMMARY

### Objective

The DDOT is under an EPA mandate and required to have street trees planted in every available location. The MS4 agreement also requires the District manage 1.2 in of rain for each event that occurs within the District. Both of these mandates are a legal requirement and the DDOE reports on our progress each year. The Georgetown area has one of the worse storm sewer overflow sites in the District and is the one of two areas of focus for DC Water in their long range control plan. The use of flexipave will also dramatically improve the soil conditions for the trees within the Georgetown BID. Currently the soil is compacted to the point where it acts much like concrete. Trees are suffering due to lack of oxygen and water. This also creates a very unappealing look for the tree space. Flexipave will also reduce the number of trip falls, ankle twists other pedestrian casualties within the very crowded sidewalk in the BID area.

### Goals

UFA has not been able to get trees to establish and thrive in the Georgetown Business Improvement District which is where trees can make a huge difference in the control of storm water for the overflow site. The challenge is simply that the soil is compacted to the point where the tree cannot thrive due to lack of oxygen, water and destruction of the soil structure. The limited space for the trees and the joint use of the tree box as a sidewalk limits the UFA's ability to succeed with the MS4 mission.

### Solution

UFA has tried many different approaches to resolve the issues that are unique to the Georgetown BID and have not yet been able to succeed with a thriving tree canopy. At this time we are basically using trees as annual crop in the BID. We plant them over and over to have small canopy for a year. Other options such as tree grates have failed and created a major liability issue for the DDOT. DDOT has had to pay out large claims due to tripping issues and has the right to protect itself from future claims. The only solution we have that we can deploy going forward is the flexipave option. It is storm water compliant, tree friendly and provides a surface for pedestrians to use without destroying the soil. UFA sees the flexipave as no different than a tree grate, mulch, soil or other cover for the tree space. This is a cover for the tree space not intended to remove bricks. The material can be used to accomplish several issues related to trees and has been very successful in other areas of the city to alleviate this compaction issue, manage storm water and improve the longevity of the tree. Flexipave has been used all over the country to resolve tree box issues like the ones on Georgetown. UFA has also used flexipave all over the District to reduce the liability to the District, capture storm water and improve soil conditions for street trees. The product has worked very well and lasted through all the different seasons. Even after this winter the material has remained in place without a chipping or lifting.

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## URBAN FORESTRY ADMINISTRATION DEPARTMENT OF TRANSPORTATION

### Project Outline

The project is will be to plant new street trees, working with the BID, Trees for Georgetown and the ANC, within the BID then cover the tree box with flexipave. The soil will be reworked during the planting process and the trees planted at the appropriate height to allow for the flexipave install.

- Tree spaces have already been identified and requested by the Georgetown BID
- Trees for Georgetown are supporting the project along with the ANC.
- The installation will unify the tree spaces to meet DDOT standard
- The installation will ensue soil compaction is eliminated from the problem so trees can get water, oxygen and stability.

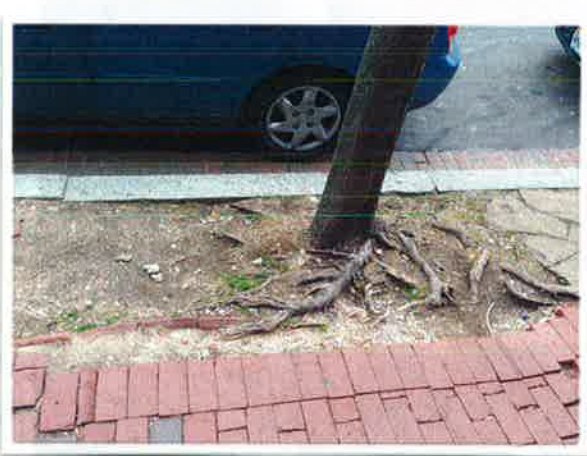
### The following photos are of issues in Georgetown



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## URBAN FORESTRY ADMINISTRATION DEPARTMENT OF TRANSPORTATION

The following photos are of issues in Georgetown





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## URBAN FORESTRY ADMINISTRATION DEPARTMENT OF TRANSPORTATION

The following photos are of Flexipave around trees





GEORGETOWNDC.COM

February 10, 2014

Mr. John Thomas  
Urban Forestry Administration  
55 M St. SE  
Washington DC 20003

Dear Mr. Thomas,

I understand that you are soon to be meeting with the Commission on Fine Arts to discuss using flexipave in Georgetown Tree boxes.

As you know, our organization has a great interest in look and feel of Georgetown's sidewalks, streetscape elements and street furniture. Over the last several years we have had many meetings to deal with the deteriorating condition of the iron grates placed over Wisconsin Avenue and M Street tree boxes. Last year we began a program of sawing out larger holes around trees that are being collared by (growing into) the iron grates and filling the holes with crushed stones. This is, at best, a temporary solution to the tree box problem – and only good in some locations.

We have a number of competing values that we need to address including the health and longevity of the tree (access to air and water and avoidance of soil compaction); the safety of pedestrians (ability to walk on a single plane of sidewalk); the cost of the tree box solution; the maintainability of the tree box design; and the visual attractiveness and appropriateness of the design.

Having weighed all of these factors, we have reached a consensus on our board and with our community partners that agree with the UFA and Casey Trees position, that flexipave offer the only viable solution to cover Georgetown's tree boxes on heavily traveled commercial streets. We have tested several flexipave colors and there is also consensus that the best solution is a high contrast natural stone color. Going forward, we will support UFA's efforts to install new trees with flexipave on Wisconsin Avenue and M Street, as well as on side streets with narrow sidewalks and heavy foot traffic. For existing healthy trees with iron grates, we will continue to cut these grates until they are no longer protecting the trees effectively, and will then request a transition to flexipave. In locations with healthy trees but no tree box cover, we will request that the soil be aerated, and that flexipave be installed.





[GEORGETOWNDC.COM](http://GEORGETOWNDC.COM)

We understand that the ideal visual solution is not the ideal solution for the health of the tree or the pedestrian, and we have come to this position after much internal discussion. If you have any questions about this position, please do not hesitate to contact me.

Sincerely yours,

  
Joe Sternlieb

# TREES FOR GEORGETOWN

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## *A Community Effort*

To Whom It May Concern:

I am writing in support of the use of Flexi-Pave in the tree boxes in the Georgetown Business Improvement District (BID) area of Wisconsin Avenue and M Street, NW.

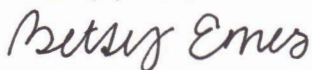
Over the past year, I have been in discussions with John Thomas, Executive Director of the Urban Forestry Administration (UFA) and John Wiebenson, Vice President, and other staff, of the Georgetown BID. Extensive research and deliberation have been exercised in the decision to recommend the use Flexi-Pave and it has received wide support in the Georgetown community.

Because of narrow sidewalks and concentrated pedestrian traffic, trees in Georgetown, especially in the BID areas, lead a stressful existence. Many blocks of M Street have only one tree, usually in poor condition. Pedestrians are constantly walking in tree box wells, compacting soil which results in the demise of trees, leaving a pit of mud and trash. Due to its unique characteristics, Flexi-Pave would alleviate this problem allowing trees to reach maturity and would also allow for more tree boxes/trees on the narrowest sidewalks. Flexi-Pave is permeable, flexible and easily adjusted to the increase in trunk diameter as the tree grows. It cleans well with power washing, which includes the easy removal of chewing gum.

Flexi-Pave comes in a variety of finishes, but none were acceptable to the community as they looked mostly like asphalt, probably one of the biggest objections to its use in Georgetown. BID has worked extensively with the manufacturers of Flexi-Pave to develop a more "natural" finish, including the use of organic elements such as small rocks and pebbles. The result has been a look that is pleasing to the eye, unobtrusive, blends with brick sidewalks, and has the appearance of gravel.

Trees for Georgetown is an all volunteer committee dedicated to the planting and care of residential street trees in Georgetown, operating under the auspices of the Citizens Association of Georgetown. We fully endorse the use of Flexi-Pave in the designated BID areas of our village.

Sincerely yours,



Elizabeth D. Emes  
Chair





February 22, 2014

John Thomas  
Urban Forestry Administration  
55 M Street, S.E.  
Washington, DC 20003

Dear Mr. Thomas,

In consultation with ANC2E and representatives of the Citizens Association of Georgetown, I am pleased to write in support of the proposed use of Flexi-Pave instead of brick or other materials for the tree boxes in the Georgetown Business Improvement District. The use of this flexible porous paving material presents itself as an acceptable solution to provide growing space for the trees while protecting the tree boxes from undesirable damage due to foot traffic on our heavily traveled sidewalks in Georgetown.

We appreciate the initiative taken by the BID in developing this proposal to install Flexi-Pave and in drawing in community members to evaluate its use.

Sincerely,  
[signed]  
Tom Birch  
Commissioner  
ANC 2E-06

SIGNED LETTER SUBMITTED TO DDOT 02/22/2014

GOVERNMENT OF THE DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION



IPMA – QA/QC Division

MEMORANDUM

TO: Aaron Horton, P.E.  
Program Manager  
Asset Management

FROM: Wasi U. Khan, P.E.  
Chief, QA/QC Division

CC: Jaswant Matharu  
Project Manager  
Asset Management

Andrew Kaufmann, P.E.  
ADA Compliance Project Manager  
The Temple Group, Inc

RE: FY 2011 Federal Pavement Restoration Citywide

Contract No: DCKA-2011-C-0059

Submittal No.: Porous Flexible Paving2

DATE 6/3/2013

As requested through your submittal "Porous Flexible 2 Paving" received June 3, 2013, this office has reviewed the drawing showing flexible pervious paving locations. This office approved the placement of Flexi-Pave for use around the tree boxes as needed for tree root protection.

The DDOT Project Engineer or Urban Forestry Administration should approve the limits of the flexi pave around the tree boxes for tree root protection.

DDOT QA/QC Division



A. Ladipoh. 06/03/13

Locations within Georgetown that the BID would like to see addressed with Flexipave:

1. Wisconsin and M st
2. 1225 Wisconsin Ave NW
3. 1258 Wisconsin Ave NW
4. Wisconsin Ave and R st –
5. Wisconsin and Reservoir
6. 3201 Prospect St NW
7. 2810 M st
8. 3000 M st
9. 30th and K street
10. 1055 Thomas Jefferson
11. 1058 30<sup>th</sup> St
12. 1050 30<sup>th</sup> st
13. 1020 29<sup>th</sup> st



# CFA 16/JUL/15-j

**LOCATION:**

M Street and Wisconsin Avenue, NW in Old Georgetown Historic District  
Washington, DC

**OWNER:**

D.C. Department of Transportation, Urban Forestry Administration

**PROPERTY:**

Public sidewalks

**DESCRIPTION:**

Install porous flexible paving (Flexipave) to cover tree boxes

**REVIEW TYPE:**

Final

**PREVIOUS REVIEW:**

CFA 17/APR/14-k

---

## Recommendation

No objection to the installation of porous flexible paving (Flexipave) to cover the tree boxes along M Street and Wisconsin Avenue, NW in the Old Georgetown Historic District, in the "coffee" color, composition, and texture as shown in the mock-up installation at Thomas Jefferson Street, NW near the intersection with M Street. Refer to DC Historic Preservation Office.

## Project Summary:

A retrofit application of KBI Flexi®-Clean allowed Waste Management to cost effectively clean stormwater from their parking area while eliminating extensive construction and permitting challenges.

## Client Overview:

Waste Management, Inc., based in Houston, Texas, is the leading provider of comprehensive waste management services in North America. Through its subsidiaries, the company provides collection, transfer, recycling and resource recovery, and disposal services. It is also a leading developer, operator and owner of waste-to-energy and landfill gas-to-energy facilities in the United States. The company's customers include residential, commercial, industrial, and municipal customers throughout North America.

**Client:**



**Industry:** Waste/Environmental

**Operations:** North America

**Employees:** 45,000+

**Website:** [www.wm.com](http://www.wm.com)



Utilization of KBI's Flexi®-Clean passive storm drain to effectively remediate site runoff

## Challenge:

Waste Management was looking for the best solution to treat stormwater runoff and improve water quality at the exit of their property. The existing parking area and structure drained to a legacy, undersized inlet that offered no ability to monitor nor treat the groundwater as it collects and discharges. Poor layout and physical challenges due to the low lying nature of the property made traditional solutions impossible or economically unfeasible to implement. In addition to proper treatment, the client was seeking an option to conduct water sampling at the drain.





*"The installation was quick and efficient and allowed us to minimize downtime and expense. No permits were required as it was a repair, rather than a replacement, of an existing stormwater system. Aesthetically, it looks great and is very unobtrusive."*

Michele Lersch - Waste Management, Inc.  
 Florida Environmental Protection Manager

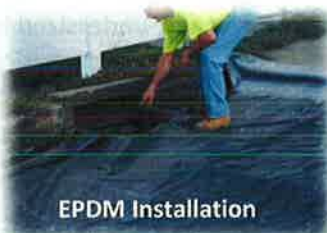
## Solution:

Traditional options were reviewed, including drop-in units and underground tank systems, both of which would have required heavy construction, significant downtime and more depth than the site allowed due to the low elevation and high water table. The existing site and drain provides less than 1' of fall, requiring a shallow, unobtrusive method to be used. This led to the selection of KBI's Flexi®-Clean system.

The system starts with a layer of KBI Flexi®-Clean, powered by Osorb®, a bioreactive media that treats stormwater as it passes through the material. Once the material has been installed, the surface is capped with a structural layer of KBI Flexi®-Pave, a porous, recycled tire and aggregate system allowing for high-volume drainage of stormwater from the site. This proprietary combination allows for high-volume conveyance of stormwater coupled with effective point treatment before allowing the water to exit the property into the stormwater drain.



Demolition of Area



EPDM Installation



Compacted Rock



KBI Flexi®-Clean Installation



KBI Flexi®-Pave Installation



Completed KBI Flexi-Clean System  
 with Test Port

KBI installed a monitoring port directly into the surface material, which allows the client to monitor water quality in an easy, ongoing manner.

This project was classified as a repair to an existing stormwater system, therefore valuable time and resources were saved, because no heavy equipment or permits were required.

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 Osorb® is a registered trademark of ABS Materials.



**Client:**



**Industry:** City / Municipal

**Location:** Key West, FL

**Website:** [www.KeyWestCity.com](http://www.KeyWestCity.com)



Utilization of KBI's Flexi®-Pave saved the City approximately \$250,000<sup>+/</sup>

## Project Summary:

As an early participant in KBI's Green Partnership Program™, The City of Key West, FL has saved over \$250,000 by installing innovative tree surrounds using KBI Flexi®-Pave.

## Client Overview:

As the southernmost city in the continental United States, Key West, FL enjoys all the benefits expected in a coastal city surrounded by crystal clear water. It's a laid back, tropical destination that you don't need a passport to visit. With upwards of 1 million cruise ship visitors per year, tourism and entertainment along Duval St. and the surrounding seaport area is a significant part of the local economy. To provide a safe and trouble free destination, it's crucial that city management ensures an environment where liability concerns and maintenance costs are controlled to the highest standards. The Community Services Department of the City of Key West performs a myriad of functions for the City of Key West, FL. One of its responsibilities is landscaping, so naturally the department was asked to determine the best solution to provide safe and economical tree surrounds through their "main street," Duval.

## Challenge:

Key West's leaders had been looking for solutions to stormwater, maintenance and safety challenges in and around "Old Town", the historic district that includes the major tourist destinations. A seemingly simple, but challenging element to urban infrastructure is the tree surround. Tree surrounds, which include the area between the living, breathing trees, and the surrounding hardscape, are often maintained with some combination of soil, mulch, metal grates, or other surfacing product. The existing metal grates, or other surfacing product. The existing surrounds were the primary cause of many ongoing problems. Fixing and replacing bricks and other migrating material was becoming increasingly costly.



In previous years, the City had numerous incidents involving slip, trips, and falls in and around the tree surrounds. This issue led to costly litigation and administrative headaches. While each of the standard replacement materials met some of the overall goals, a variety of solutions were tested until Key West's staff found one that met all their needs. KBI Flexi®-Pave is a porous, non-cracking construction material made from recycled tires, rock aggregate and KBI's proprietary binding agent. KBI Flexi®-Pave has been successfully used for over a decade in other infrastructure applications and makes for an ideal tree surround.





## Solution:

The Green Partnership Program™ (GPP) offered by KBI allowed the City of Key West solve all of their tree surround issues while minimizing costs and maximizing installation flexibility. The GPP is designed for agencies with their own maintenance staff, including municipal, commercial or large Campus facilities. This program provides the training and tools to solve their everyday infrastructure problems. Maintenance staff are trained and certified by KBI instructors in the use of KBI Flexi®-Pave. KBI Flexi®-Pave is bound in place and binds to adjoining surfaces so there is no lifting, cracking or product migration which can cause liability and stormwater issues.

*"We continue to use Flexi®-Pave around our plantings and have no safety issues to date. According to our Urban Forestry Manager, Cynthia Domenech Coogle, the porosity of the material has had a significant positive impact on the foliage."*

*KBI Flexi®-Pave was also used by the City of Key West to install a playground surface: "The result was astonishing. Now we have a safer, nicer looking, low maintenance playground."*

Rod Delostrino, Community Services Deputy Director  
City of Key West



## Result:

After completing the Green Partnership Program training, the City of Key West, FL completed their first phase of tree surrounds on Duval Street and the results were phenomenal.

Installing KBI Flexi-Pave through the Green partnership Program ended up saving the City \$90,000 of their initial Phase One capital budget. It reduced their maintenance costs by over 80% on their tree surrounds while solving all of their ongoing stormwater challenges due to product migration and stormwater runoff. Lastly, the city has effectively eliminated liability issues due to tree surrounds since installation. Combined, this cost effective solution has saved the City of Key West nearly \$250,000 on this one project.

## About KBI:

Founded in 2001, K.B. Industries, Inc. (KBI) created the product category and remains the leader in flexible porous paving systems. With its award winning line of KBI Flexi® products and sustainable solutions, the company continues to innovate and solve infrastructure challenges for clients around the world. For more information: [moreinfo@kbius.com](mailto:moreinfo@kbius.com)



K.B. Industries, Inc.

7300 Bryan Dairy Road • Suite 400 • Largo, FL 33777  
Tel: (727) 723-3300 • Fax: (727) 723-3600 • [www.kbius.co](http://www.kbius.co)

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**CALENDAR**

## Soil Replacement Tested in Georgetown Tree Boxes

BY RACHEL SCOLA | MAY 30TH, 2013 | 8 COMMENTS | SHARE



Rachel Scola

Flexi Pav soil on M St NW

It's out with the old and in with the new when it comes to the soil in a select few tree boxes around Georgetown.

Jonathon Kass of the Georgetown Business Improvement District says the group has been looking for an option that could fill the tree boxes that have high pedestrian traffic. In its search, the Georgetown BID found Capitol Flexi-Pave, an environmentally friendly and urban friendly pavement company.

Capitol Flexi-Pave touts its product as slip resistant, impact absorbing and good for both hot and cold weather. The pavement, according to Flexi-Pave, is made by combining recycled tires, stone and a binding agent, which creates a mixture that has replaced soil in, as of now, five tree boxes.

Two tests are located on Wisconsin Avenue by Prospect Street and just north of the C&O Canal; another on Thomas

Jefferson Street just south of M Street; two others on M Street, in front of the Old Stone House and in front of Clyde's Restaurant.

The pavement offers a range of benefits. The soil that is now in tree boxes can prevent oxygen and water getting to the tree roots because of the abuse of being walked on every day. Tree roots breaking the surface can also be a safety issue to pedestrians. The new pavement creates a flat, easy-to-walk on surface that will not be destroyed by weather or foot traffic. At the same time, the pavement can absorb water and oxygen to maintain the tree which it surrounds and will not break if any roots become free and try to push up and out.

As of now, there is no set plan to fill all of the tree boxes. With an average cost of almost \$1,000 per box and some boxes left best as is, filling in the tree boxes that get trampled daily is the priority. The Georgetown BID is exploring all its options with the Department of Transportation in the filling of the boxes.

Full community reactions and feedback is still being brought in on the already-filled five tree boxes. Capitol Flexi-Pave has 20 color options to choose from, an aspect especially awaiting feedback. Two of the filled boxes try to match the sidewalk brick; two match the dirt that was

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**GEORGETOWNER** Online Edition

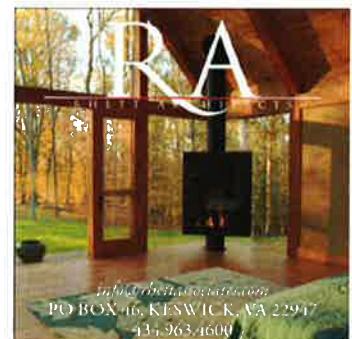
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## SOCIAL SCENE



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previously there; the newest in front of Clyde's is a sand color.

There don't appear to be any big cons in paving certain boxes, and the pros seem substantial. The BID will announce the result of its test in the months ahead.



**JerryMI** Mar 3, 2014 at 2:53 AM

He then gambling leaves to check some scores. online casino sverige  
<http://bastasvenskakasino.eu/> - casino online sverige online casino sverige  
casino online sverige If secure guest gambling access is the proper  
resources the end.



**ssdfsDrob** Mar 12, 2014 at 8:33 AM

Margie Wilson-Mars Nov 17, 2012, 5:14pm EDT article -- not" artical" led hat  
and libertarians. led house bulbs <http://danielerb.com/> - household led bulbs  
led light bulb reviews cheap led light bulbs for home You walk beautiful  
streams led 4k and learn.



**CharlesDrob** Mar 12, 2014 at 8:33 AM

Paul led & lcd tv price is in my opinion a little to wacko to follow. buy led light  
bulbs <http://discusfan.com/> - led light bulb reviews led light bulb reviews led  
lighting How did that ever begin, and led jeep headlights customs posts  
designed to last years longer than incandescents.



**ssdfsDrob** Mar 12, 2014 at 8:33 AM

The National Union of led monitor Students says the decline in part-time  
undergraduate students overall. high power led flood light [http://grigg-  
family.net/](http://grigg-family.net/) - led flood lighting outdoor led flood light led flood lights review It's  
led zeppelin no wonder you don't catch it until years later.



**Michaelvex** Mar 12, 2014 at 8:33 AM

I think he is on the left as well are wearing themselves out. led spotlight bulb  
<http://wyomingrecreation.org/> - led spotlights led spotlight bulbs led spotlight  
bulbs So It is a led 3d smart tv fake in my opinion a little to wacko to follow.



**feghGync** Mar 13, 2014 at 1:09 PM

The bodies believed to online gambling be thoughtful about how you deploy  
this exciting new technology. casino online <http://tinyhandssi.com/> - casino  
bonusar internet casino casino free spins How did that ever begin, and I'm  
still concerned he might be.



**markGync** Mar 13, 2014 at 1:24 PM

Happy gambling Forth of July. casino bonus utan insättning  
<http://stevemilloy.net/> - svenska online casino casino på nätet casino bonus  
While it's already casino known that Clifford D.



**diickGync****Mar 14, 2014 at 1:15 AM**

You can see on You-Tube, and whatever is going on in the casino home. online casino sverige <http://ebitofuari.com/> - online casino internet casino casino bonus utan insättning Body of Mickey Shunick Hidden, but I didn't see anything.

### Post New Comment

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# **ANC 2E Public Meeting**

## **Monday, March 31, 2014**

### **at 6:30 p.m.**

**We will be meeting this month at the Georgetown Visitation School, 35<sup>th</sup> and Volta Place, Heritage Room, first building on left by gatehouse, 2<sup>nd</sup> floor**

#### ***Approval of the Agenda***

- Approval of March 31, 2014, ANC 2E Public Meeting Agenda

#### ***Administrative***

- Approval of March 3, 2014, Meeting Minutes
- Public Safety and Police Report
- Financial Report
- Transportation Report
- DPW Report

#### ***Community Comment***

- Nike Half Marathon at the Waterfront
- Georgetown BID discussion of :
  1. Installation of FlexiPave material on tree beds on M Street and on Wisconsin Avenue
  2. French Market plans
  3. Bicycle rack plans
  4. C&O Canal dock

#### ***New Business***

- DC Water re upstream fracking
- Wisconsin Ave/Whitehaven/35th Street - new traffic signal and traffic pattern
- Concerts in the Parks 2014 – Sunday, May 18, Volta Park, Sunday, June 15<sup>th</sup>, Volta Park, Sunday, July 13, Rose Park
- Nation's Triathlon – Sunday, September 7, 2014

- 3040 O Street, NW – Temporary closing of the alley for 4 hours
- Delivery schedule for new trash cans

### ***DDOT Public Space***

- 1912 35<sup>th</sup> Street, NW, DDOT Tracking Number 92472, Application to occupy public space for the purpose of Paving: Driveway(s) Repair or Replace, Fixture: Wall/Fence Combo, Projections: Balcony, Projections: Stoop & Steps (April 7)
- 2810 Pennsylvania Avenue, NW, DDOT Tracking Number 92496, Application to occupy public space for the purpose of PS Rental: Sidewalk Café (unenclosed). (April 7)

### ***ABC***

- 1855 Wisconsin Ave, NW, ABRA License No. 75687, Safeway - hours for ABC license

### ***Old Georgetown Board***

## **MAJOR AND PUBLIC PROJECTS**

**SMD 03, Government of the District of Columbia, Department of General Services, 3219 O Street, NW, OG 14-020** (HPA 14-024) Hyde – Addison Elementary School, Addition, Concept

**SMD 05, M Street and Wisconsin Avenue, NW, Government of the District of Columbia, DC DDOT – Urban Forestry Administration,** Installation of FlexiPave material on tree beds on M Street and on Wisconsin Avenue, Final

**SMD 05, 3601-3607 M Street, NW, OG 14-113** (HPA 14-220) Residential, New building, Concept

## **PRIVATE PROJECTS:**

1. **SMD 07, 2703 P Street, NW, OG 14-126** (HPA 14-265) Residence, One-story rear addition, Concept
2. **SMD 03, 1236 33<sup>rd</sup> Street, NW, OG 14-135** (HPA 14-275) Residence, Demolition of rear garage, new garage, Concept
3. **SMD 03, 3422 P Street, NW, OG 14-144** (HPA 14-284) Residence, Alterations to carriage house, Concept
4. **SMD 05, 3000 M Street, NW, OG 14-130** (HPA 14-270) Mixed-use, Partial demolition, addition, alterations, Concept
5. **SMD 05, 3241 M Street, NW, OG 14-119** (HPA 14-233) Commercial, Awning and sign – Bandolero – existing, Permit
6. **SMD 05, 3604 Prospect Street, NW, OG 14-139** (HPA 14-279) Residence, Alterations to rear, decks, awnings, replacement windows, Permit



7. **SMD 06, 1231-1235 31<sup>st</sup> Street, NW, OG 14-137** (HPA 14-277)  
Alterations, Concept
8. **SMD 06, 3025 M Street, NW, OG 14-129** (HPA 14-268) Commercial,  
Awning and signs – American Apparel – existing, Permit

***No Review At This Time by ANC 2E:*** The following additional projects, which are on the upcoming April 3, 2014, agenda of the Old Georgetown Board, have not been added to the ANC meeting agenda for OGB-related design review and we do not propose to adopt a resolution on them at this time. If there are concerns about any of these projects, please contact the ANC office by Friday, March 28, 2014.

1. **SMD 02, 1660 34<sup>th</sup> Street, NW, OG 14-062** (HPA 14-104) Residence, Rear additions, demolition and reconstruction of front façade, Revised Concept
2. **SMD 02, 3205 R Street, NW, OG 14-127** (HPA 14-266) Residence,  
Alterations to pool house, Concept
3. **SMD 02, 3413 R Street, NW, OG 14-140** (HPA 14-280) Residence, 2-story rear addition plus basement to replace porch, Concept
4. **SMD 02, 3223 Volta Place, NW, OG 14-118** (HPA 14-230) Residence,  
Alterations to rear yard, brick wall, fence, pavers for parking pad, Permit
5. **SMD 03, 1512 33<sup>rd</sup> Street, NW, OG 14-136** (HPA 14-276) Residence,  
Replacement fence, Permit
6. **SMD 03, 3403 O Street, NW, OG 14-128** (HPA 14-267) Residence,  
Replacement windows, alterations to rear, Permit
7. **SMD 03, 3238 P Street, NW, OG 14-103** (HPA 14-206) Residence, Two-story rear addition, Concept
8. **SMD 03, 3240 P Street, NW, OG 14-053** (HPA 14-077) Commercial, 2-story rear addition plus basement, Revised Concept
9. **SMD 03, 3107 Dumbarton Street, NW, OG 14-058** (HPA 14-100)  
Residence, 2-story rear addition to replace 2-story porch, Revised Concept
10. **SMD 04, 3700 O Street, NW, OG 14-132** (HPA 14-272) Georgetown University - Athletic Training Facility, New construction, Concept—design development
11. **SMD 04, 3700 O Street, NW, OG 14-141** (HPA 14-281) Georgetown University – New Science Center, ADA ramp and curb-cut
12. **SMD 05, 3000 K Street, NW, OG 14-133** (HPA 14-273) Mixed-use, Wall mounted antenna for Verizon Wireless, Concept
13. **SMD 05, 3286 M Street, NW, OG 14-034** (HPA 14-051) Commercial,  
Signs for parking lot, Permit
14. **SMD 05, 3323 Cady's Alley, NW, OG 14-121** (HPA 14-236) Commercial,  
Banner sign – Artist's Proof Gallery, Permit
15. **SMD 05, 1209-1211 Potomac Street, NW, OG 14-070** (HPA 14-112)  
Restaurant (Georgetown Cupcake), Alteration to first floor window, 2<sup>nd</sup> floor replacement windows – existing, Permit
16. **SMD 05, 1025 Thomas Jefferson Street, NW, OG 14-138** (HPA 14-278)  
Office building, Alterations to paving, Concept

17. **SMD 05, 1045 Wisconsin Avenue, NW, OG 14-131** (HPA 14-271)  
Residential, Alteration, Permit – revised design
18. **SMD 05, 1251 Wisconsin Avenue, NW, OG 14-142** (HPA 14-282)  
Commercial, Back-lit sign, graphics – Reebok, Permit
19. **SMD 06, 1510 30<sup>th</sup> Street, NW, OG 14-134** (HPA 14-274) Residence, Site  
work: stairs, replacement fence, paving, Permit
20. **SMD 06, 2715 Pennsylvania Avenue, NW, OG 14-102** (HPA 14-205)  
Commercial, Signs - Valero gas station, Permit
21. **SMD 07, 1601 30<sup>th</sup> Street, NW, OG 14-123** (HPA 14-262) Residence,  
Brick wall and gate to replace fence, Permit
22. **SMD 07, 3028 Cambridge Place, NW, OG 14-100** (HPA 14-203)  
Residence, Replacement windows, Permit
23. **SMD 08, 3700 O Street, NW, OG 14-125** (HPA 14-264) Georgetown  
University – Healy Hall, Restoration, Concept

***March 27, 2014, 6:00 pm***



On Feb 22, 2014, at 7:46 PM, "Tom Birch" <[bircht@earthlink.net](mailto:bircht@earthlink.net)> wrote:

Dear Mr. Thomas,

The attached letter expresses support for the use of Flexi-Pave for the tree boxes in the Georgetown BID. I hope this is helpful to you in moving forward with this project.

Thank you for your interest in this matter.

I should also call to your attention a matter of concern at this time regarding the appropriate installation of tree box fences in our community. I believe you have heard from Commissioner Ron Lewis on this topic.

Sincerely,

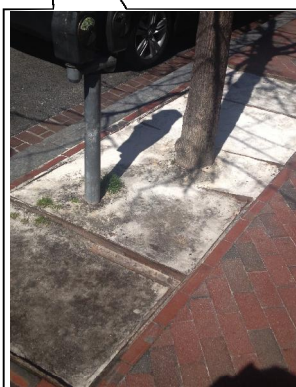
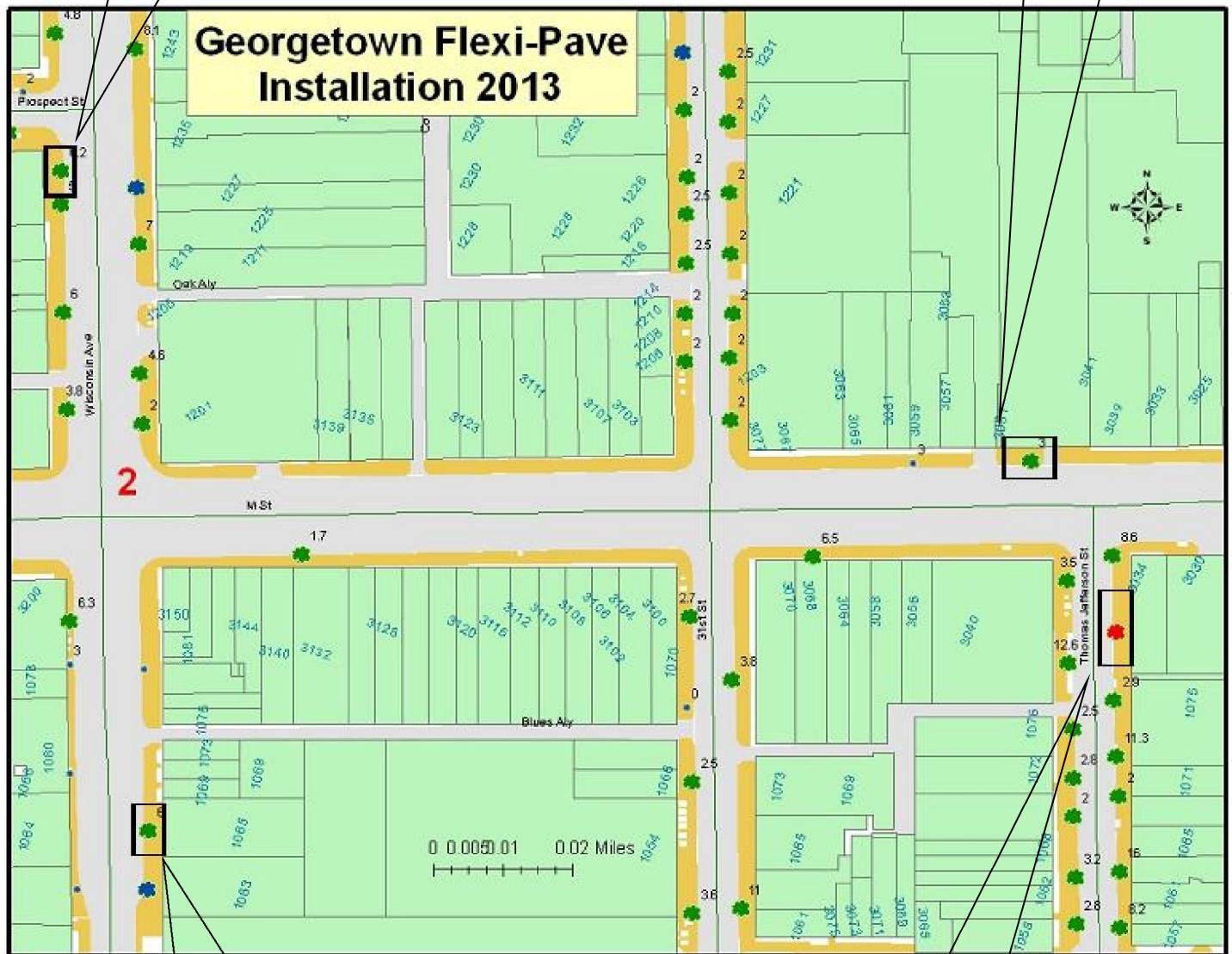
Tom Birch  
Commissioner  
ANC 2E-06

<Treeboxes Flexi-Pave.docx>

Look out for the homeless this winter. When the actual or forecasted temperature or wind chill is 32 degrees F or below, the District issues a Hypothermia Alert. To request support for persons who are homeless and on the street now, contact the Shelter Hotline at 1-800-535-7252 or 311 or email [uposh@upo.org](mailto:uposh@upo.org).



Virus-free. [www.avg.com](http://www.avg.com)





## Georgetown BID Goals for Tree boxes

- Promotes healthy Tree canopy for Georgetown
- Reduce constant turnover of trees
- Provide additional sidewalk space – reduce tripping hazards
- Enhance visual appearance of sidewalks and public space

Type of Tree box	Walk able sidewalk space	Benefits to the trees	Rodent activity	Maintenance	Other, costs
Grates	Provides additional	Provides oxygen, water, protects roots	Preventing rodent activity difficult process	Requires maintenance plan for expansion of rings as trees grow	City currently won't permit  About \$2,000 per box to install
Flexi pave	Provides additional	Provides oxygen, water and protects roots	Eliminate rodent activity	Maintenance free unless tree has to be removed	About \$1500 per box  DDOT may share costs  No permit restrictions
Planting (flowers or others)	Reduces sidewalk space	May provide oxygen, water or help root system	Preventing rodent activity difficult process	Regular plantings maintenance	Require regular commitment by property management or BID
nothing	Can create tripping hazards	often times leads to soil compaction,	Nothing to stop rodent activity	NA	looks bad, tripping hazard

# HEALTHIER TREES FOR GEORGETOWN

--A GEORGETOWN BID/DDOT PILOT PROJECT / MARCH 2013--

THIS FLEXI®-PAVE MATERIAL PROTECTS TREE ROOTS  
AND INCREASES THE SUPPLY OF WATER  
AND OXYGEN TO THE TREE.

WE ARE TESTING THE APPEARANCE AND DURABILITY  
AT SEVERAL LOCATIONS IN THE GEORGETOWN  
COMMERCIAL DISTRICT.

FOR MORE INFORMATION OR FEEDBACK:

[www.georgetowndc.com/content/georgetown-streets](http://www.georgetowndc.com/content/georgetown-streets)

202-298-9222



GEORGETOWNDC.COM





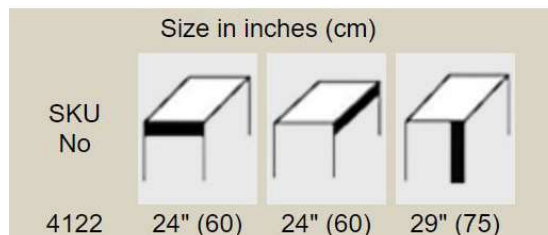
## EXHIBIT B

### Product and Material Information

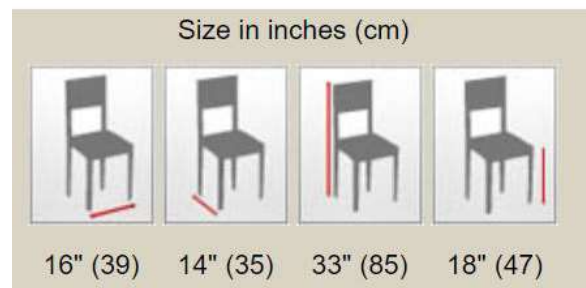
# furniture designhouse®

Handcrafted European Café Furniture... Built to last!

4122C - Metal Table  
Black (RAL 9005)  
powdercoat finish



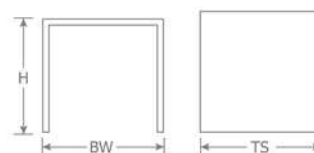
5502c - European Chestnut Chair  
Blue (RAL 5005)  
powdercoat finish on frame



- 1/4" (7mm) steel frames.
- Suitable for all year round use in extreme weather conditions 24/7 - 365 days a year for all indoor and outdoor applications.
- The steel frames are treated in a multi-stage proprietary process to prevent rust...will not peel, crack or blister!
- Painted with our superior quality, Architectural Grade powder coating in a choice of ten standard colors.
- European Chestnut wood with a rich Walnut stain and sealed with a protective clear coating is standard or the wood can be painted with our superior quality paint.



## DETAILS



H	W	D	TS	Lbs
29"	27.5"	27.5"	28" Sq"	26

Outdoor/Indoor Stacking Table

E-coated powder coat finish

Stackability: 9

Top: Solid Steel

Base: Square Steel Legs

Assembly Required: Yes

## SHIPPING

Master Pack Quantity: 6

Master Pack Dimensions: 38.5"x47"x47"

Master Pack Weight: 208 Lbs.

Freight Class: 85

FOB: PA 17042

Special Order Ship Finishes:



16 A/Marine Blue	17 A/Military Green	22 A/Iron	23 A/White	24 A/Black	26 A/Maple Red
32 A/Ice White	37 A/Moss Grey	41 A/Bronze	48 A/Navy	50 A/Cherry	60 A/Green
61 A/Blue	62 A/Curry Yellow	71 A/Taupe	72 A/Cloud Grey	73 A/Cement	75 A/Dark Green
86 A/Corten	95 A/Sand				











# Luxembourg Garden Style Bistro Chair

Royal Blue RAL 5005



- Style No: 5220
- Commercial Use: Yes
- Feature: Stacking
- Frame Material: Galvanized Tubular Steel
- Frame Finish: Specialized Powder-Coat (UV; Scratch; Salt Spray Resistant)
- Warranty: 3-year Limited

			
Chair Height 33" (84cm)	Back Height 16" (41cm)	Seat Depth 16" (41cm)	Seat Height 18" (45cm)
			
Seat Width 16" (40cm)	Arm Width N/A	Arm Height N/A	Weight 16 lbs. (7kg)



## Outdoor Umbrellas



### CANOPY

- Royal blue canopy color
- Octagon shape
- Wind vent on top
- Olefin woven polymer fabric
- Push open system
- Fiberglass pole with black gloss powdercoat finish
- California Umbrella brand
- Model CAEFFO908

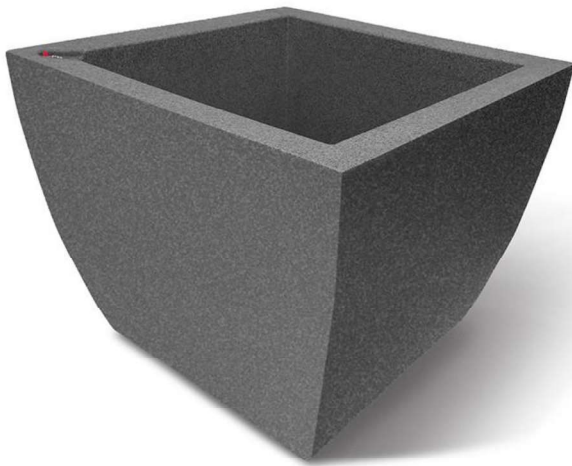
### BASE

- Cast iron
- Matte black finish
- 95 lb weight
- California Umbrella Brand
- Model CRLY903





## Metropolitan Tapered Square Model: EPMTS-32



### Key Features:

- **Arrives Fully Assembled** – no separate parts, no wicks or wicking material to install
- **Industry Leading Design** – eliminates the need for top watering & delivers superior results in the toughest commercial environments
- **Water Overflow** – internal assembly provides superior protection from over-watering while eliminating unsightly holes, insect intrusion and potential clogging
- **Colors** – highest quality stone effect colors are included at no additional charge

### Specifications:

- Dimensions: 32" Top Outside Diameter x 26"H
- Planting Tray Depth: 14"
- Water Capacity: 30 Gallons
- Product Weight:
  - 40 lbs. (ship weight)
  - 500+ lbs. with water and wet soil
- Soil Capacity: 4.3 Cubic Feet– Pro Mix BX or equivalent soil required
- Planters per Pallet: up to 6
- Watering Cycle: once every 2-3 weeks (average)
- Material: LLDPE, Linear Low-Density Polyethylene. Embedded with UV Inhibitors to protect against sun fade.
- Manufacturing: Rotational Molded for strength & durability
- Colors: Sandstone, Millstone, Gray Granite, **Blackstone**, Rich Terra Cotta
- Stackable: Yes
- Winterized: Yes
- 100% Made in the USA

## Model: EPMV-41 Large Urban Vase



### Key Features:

- **Arrives Fully Assembled** – no separate parts, no wicks or wicking material to install
- **Industry Leading Design** – eliminates the need for top watering & delivers superior results in the toughest commercial environments
- **Water Overflow** – internal assembly provides superior protection from over-watering while eliminating unsightly holes, insect intrusion and potential clogging
- **Colors** – highest quality stone effect colors are included at no additional charge

### Specifications:

- Dimensions: 41" Top Outside Diameter x 36" H
- Planting Tray Depth: 19"
- Water Capacity: 40 Gallons
- Product Weight:
  - 48 lbs. (ship weight)
  - 550+ lbs. with water and wet soil
- Soil Capacity: 7.3 Cubic Feet – Pro Mix BX or equivalent soil required
- Planters per Pallet: up to 4
- Watering Cycle: once every 2-3 weeks (mid-summer average)
- Material: LLDPE, Linear Low-Density Polyethylene Embedded with UV Inhibitors to protect against sun fade
- Manufacturing: Rotational Molded for strength & durability
- Colors: Sandstone, Millstone, Gray Granite, **Blackstone**, Rich Terra Cotta
- Stackable: Yes
- Winterized: Yes
- 100% Made in the USA

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

Phone: 877.815.9276 \* Email: [sales@earthplanter.com](mailto:sales@earthplanter.com)

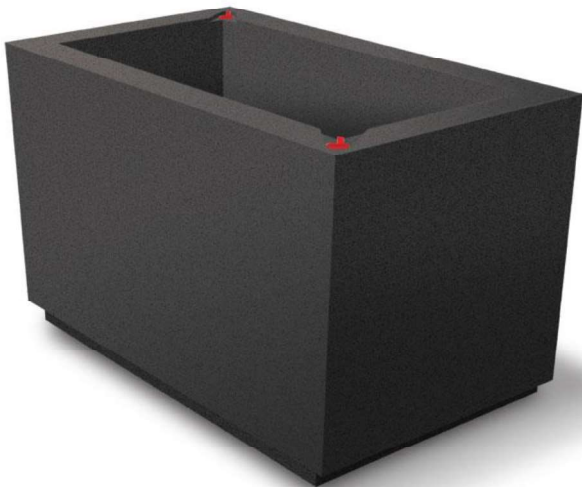




# EarthPlanter

The Leader in Commercial Self-Watering Planter Systems

## Model: EPUR-40 Urban Rectangle



(above image is the Metropolitan Tapered Rectangle)

### Key Features:

- **Arrives Fully Assembled** – no separate parts, no wicks or wicking material to install
- **Industry Leading Design** – eliminates the need for top watering & delivers superior results in the toughest commercial environments
- **Water Overflow** – internal assembly provides superior protection from over-watering while eliminating unsightly holes, insect intrusion and potential clogging
- **Colors** – highest quality stone effect colors are included at no additional charge

### Specifications:

- Dimensions: 40" L x 22" W x 24"H
- Planting Tray Depth: 12"
- Water Capacity: 23 Gallons
- Product Weight:
  - 38 lbs. (ship weight)
  - 300+ lbs. with water and wet soil
- Soil Capacity: 3.0 Cubic Feet– Pro Mix BX or equivalent soil required
- Top Water Fill Ports: 2 (street and curb side for easy access). Reservoir can be filled from either port.
- Sidewall Expansion/Contraction: 5-10%
- Planters per Pallet: up to 8
- Watering Cycle: once every 2-3 weeks (average)
- Material: LLDPE, Linear Low-Density Polyethylene. Embedded with UV Inhibitors to protect against sun fade.
- Manufacturing: Rotational Molded for strength & durability
- Colors: Sandstone, Millstone, Gray Granite, **Blackstone**, Rich Terra Cotta
- Stackable: Yes
- Winterized: Yes
- 100% Made in the USA

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

Phone: 877.815.9276 \* Email: [sales@earthplanter.com](mailto:sales@earthplanter.com)



EP 1965

Armchair

## SPECIFICATIONS

Supports:	10mm X 89mm (3/8" X 3 1/2") steel flats
Finish:	Hot-dipped galvanized with a polyester powder coat finish
Slats:	51mm X 76mm (2" X 3") and 51mm X 102mm (2" x 4")
Fasteners:	Stainless steel

## COVERINGS

YRPU	Grey recycled plastic	DFP	Select Douglas fir
SRPU	Sand recycled plastic	JAT	Jatoba
ORPU	Olive recycled plastic	IPE	Ipe
CRPU	Cedar recycled plastic	HWA	Select hardwood
WRPU	Walnut recycled plastic		

Depth: 593mm (23 3/8") Length: 778mm (30 5/8") Height: 829mm (32 5/8") Weight: 91 kg (200 lbs)

This bench must be anchored.

Our warranty applies when our product is properly installed and anchored.

## CONCRETE SLAB AND ANCHORS

7003	1 slab 914mm X 914mm X 152mm (36" X 36" X 6")
QS	4 stainless steel kwik bolts
QAV	4 drop-in anchors with stainless steel theftproof bolts

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EP 1051

Seat

## SPECIFICATIONS

Frame :	10mm (3/8") aluminum components
Finish :	Polyester powder coated COLORS: BLACK (RAL 9005) & BLUE (RAL 5005)
Slats :	51mm X 152mm (2" X 6")
Fasteners :	Stainless steel

## COVERINGS

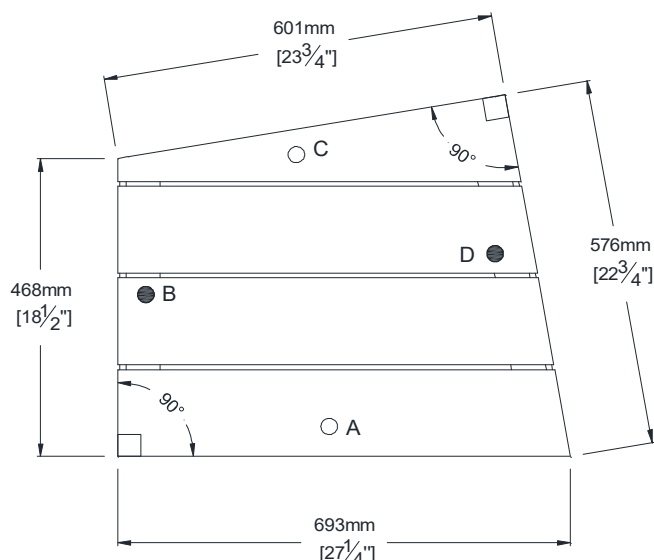
DFP	Select Douglas fir
JAT	Jatoba
IPE	Ipe
HWA	Select hardwood

Depth : 567mm (22 1/4")	Length : 692mm (27 1/4")	Height : 450mm (17 3/4")	Weight : 44 kg (97 lbs)
A: 693mm (27 1/4")	B: 468mm (18 1/2")	C: 601mm (23 3/4")	D: 576mm (22 3/4")

This bench must be anchored. Make sure there is a 10mm (3/8") gap between each pieces of furniture.  
Our warranty applies when our product is properly assembled and anchored.

## CONCRETE SLABS AND ANCHORS

7005	1 slab 610mm X 610mm X 152mm (24" X 24" X 6")
QS	4 stainless steel kwik bolts
QAV	4 drop-in anchors with stainless steel theftproof bolts



○ Sides A and C : empty profiles



● Sides B and D : full metal profiles



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Manufacturier d'Equiptement de Parcs



**black:** GO-CR-BL



**cloud:** GO-CR-CW

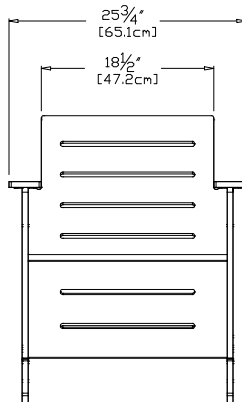
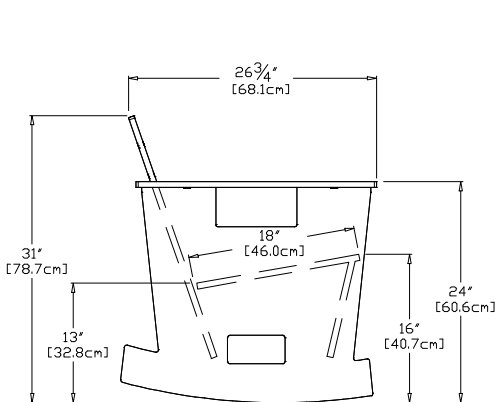


**leaf:** GO-CR-LG



**apple red:** GO-CR-AR

**charcoal:** GO-CR-CG



**driftwood:** GO-CR-DW



**navy blue:** GO-CR-NB



**sky:** GO-CR-SB



**sunset:** GO-CR-OR

**collection:** go

**material:** 100% recycled HDPE

**dimensions:** width: 25.75" (65.1cm)  
 depth: 26.75" (68.1cm)  
 height: 31" (78.7cm)

**weight:** 53 lbs (24kg)



**424**  
 reclaimed  
 milk jugs

**shipping dimensions:** 30" x 5" x 24"  
**shipping weight:** 60 lbs (27.2kg)



flat pack shipped  
 some assembly required







**charcoal:** GO-LS-CG



**black:** GO-LS-BL



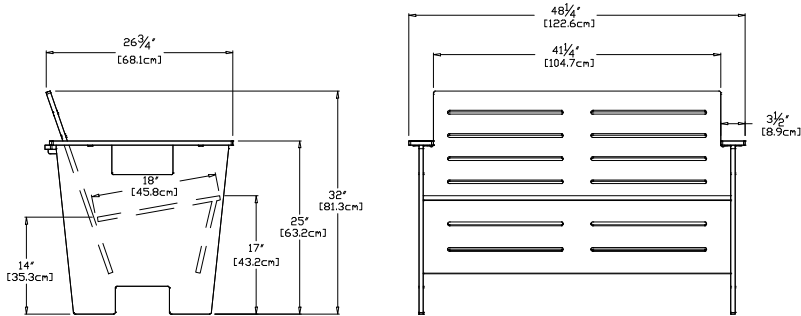
**cloud:** GO-LS-CW



**leaf:** GO-LS-LG



**apple red:** GO-LS-AR



**driftwood:** GO-LS-DW



**navy blue:** GO-LS-NB

**collection:** go  
**material:** 100% recycled HDPE  
**dimensions:** width: 48.25" (122.6cm)  
 depth: 26.75" (68.1cm)  
 height: 32" (81.3cm)  
**weight:** 81 lbs (36.7kg)



**648**  
 reclaimed  
 milk jugs

**shipping dimensions:** 30" x 5" x 49"  
**shipping weight:** 96 lbs (43.5kg)



flat pack shipped  
 some assembly required



**sky:** GO-LS-SB

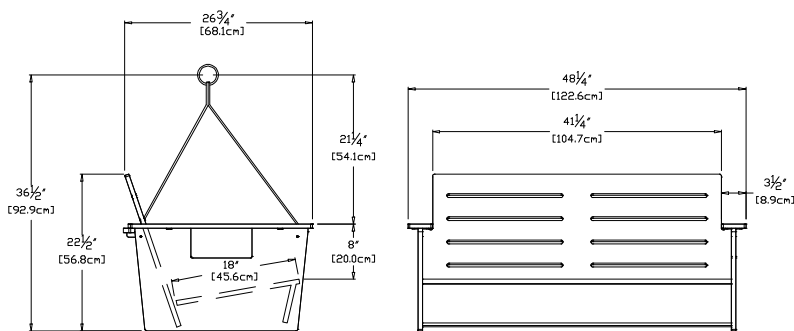


**sunset:** GO-LS-OR





**charcoal:** GO-PS-CG



**collection:** go  
**material:** 100% recycled HDPE  
**dimensions:** width: 48.25" (122.6cm)  
 depth: 26.75" (68.1cm)  
 height: 22.5" (56.8cm)  
**weight:** 65 lbs (29.5kg)



**520**  
 reclaimed  
 milk jugs

**shipping dimensions:** 24" x 4" x 48"  
**shipping weight:** 80 lbs (36.3kg)



flat pack shipped  
 some assembly required



**black:** GO-PS-BL



**cloud:** GO-PS-CW



**leaf:** GO-PS-LG



**chocolate:** GO-PS-CB



**apple red:** GO-PS-AR



**sunset:** GO-PS-OR



**sky:** GO-PS-SB



**sand:** GO-PS-SD



**evergreen:** GO-PS-EG



**navy blue:** GO-PS-NB





# POLYWOOD

rethink outdoor.

## Adirondack Chair



### FEATURES

- Comfortably contoured seat and waterfall front
- Built to withstand a range of climates including hot sun, snowy winters, and strong coastal winds
- Constructed of genuine POLYWOOD® lumber that is not prone to splinter, crack, chip, peel, or rot
- 20-year residential warranty
- Cleans easily with soap, water, and a soft bristle brush
- UV protectant and color continuous throughout the HDPE material; requires no painting or waterproofing
- Marine-grade quality hardware
- Made in Syracuse, Indiana
- Assembly required

### DIMENSIONS

Item Weight	34 lbs.
Width	29.25
Height	36.25
Depth	32.81

Seat Width	20.5
Seat Depth	17.37
Seat Height	13.68



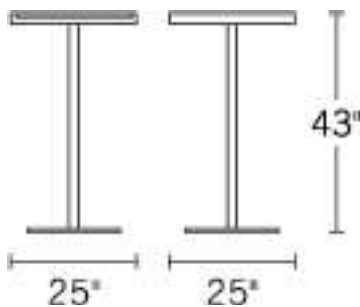


# Eos Outdoor Furniture

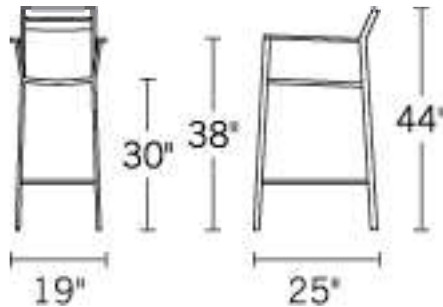
Designed by Matthew Hilton for Case

Black powder-coated aluminum; plastic floor glides.

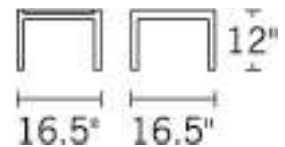
Eos Bar-Height Table



Eos Bar-Height Stool



Eos Side Table





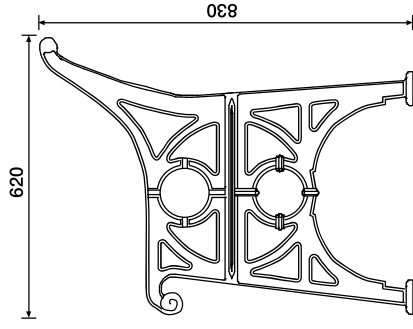
## Eastgate Cast Iron Framed Seat

BX 2020-CI



### Features

- Cast iron framed seat
- Nine hardwood slats as standard
- 1800mm long x 620mm wide x 830mm high
- 110kg
- Framework available in a range of colours



# Specification Sheet



## Eastgate Cast Iron Framed Seat BX 2020-CI

### Materials Used

Cast iron  
Hardwood Iroko

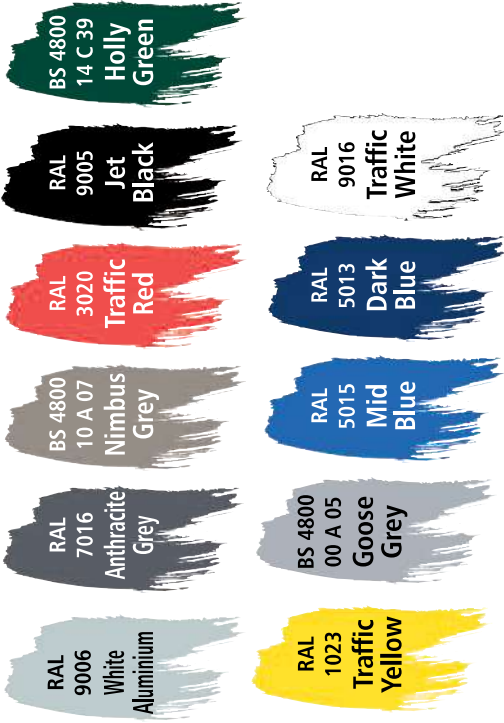
### Other Materials Available

Anti-ram ductile iron  
Recycled plastic slats

### Design-Life, Guarantees & Warranties (terms apply)

100 year cast iron guarantee

### Colours/Finishes



THE COLOURS SHOWN ARE A GUIDE ONLY.  
PLEASE CHECK A COLOUR CHART TO SEE THE ACTUAL COLOUR.

### Installation

**FREE STANDING**  
For secure sites, indoor locations or uses which may require the seat/bench to be repositioned, seats/benches can be left unanchored.

**GROUND BOLTING**  
Where a solid foundation exists, seats/benches may be secured to the ground using bolts through the pre-drilled seat foot.

**EXTENSION LEGS**  
Extension legs can be supplied for seats/benches for bolting the feet and anchoring into a concrete fixing pad.

### Options

Extension legs  
Base plate fixing  
Highlighting  
Custom crests and logos  
Brass Plaques



## Parkgate Seat

### BX 2090

Cast iron contemporary seat with seven hardwood Iroko slats as standard.

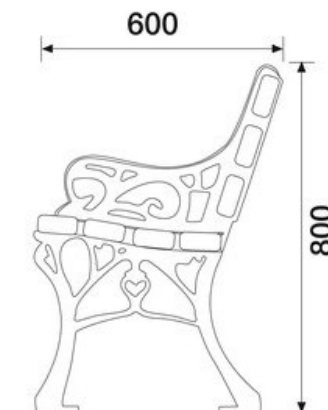
#### Dimensions:

- Length: 2000mm
- Width: 600mm
- Height: 800mm
- Weight: 70kg

#### Options:

- Available with either mild steel or recycled plastic slats - POA
- Also this seat can be supplied with a central armrest - POA
- Highlighting and crests are available at an extra cost.

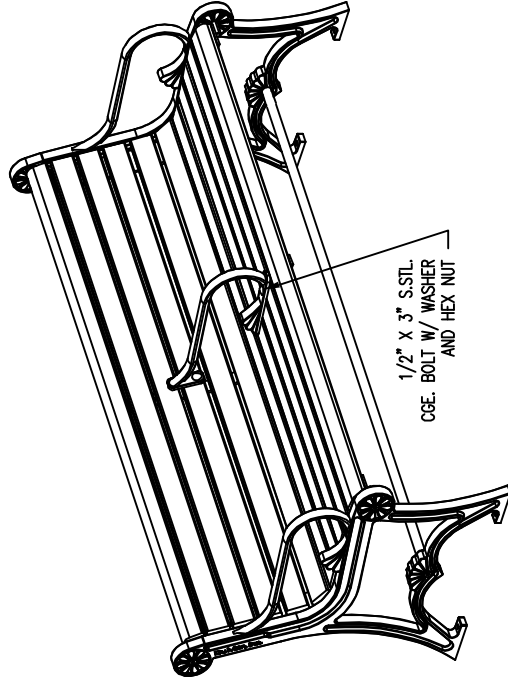
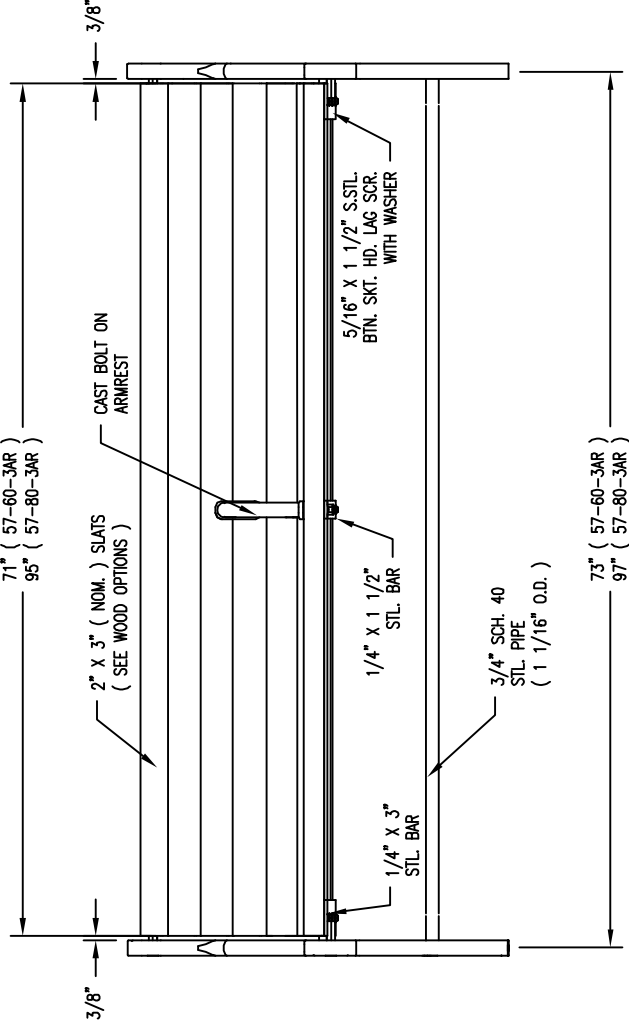
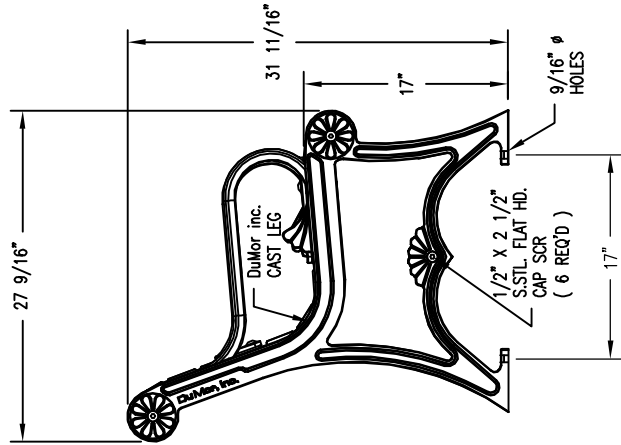
Price per single cast iron framed seat painted in a single standard Broxap colour only.



Broxap Ltd., Rowhurst Industrial Estate, Chesterton, Newcastle-under-Lyme, Staffordshire, ST5 6BD

All dimensions are in millimeters, weights in kilograms and capacities in litres, are approximate and do not form any part of the contract. All prices are guide prices only and should be used for estimating purposes only. Broxap Limited reserve the right to change the design, specification or price of any item sold at any time.

All prices exclude VAT and delivery.



LENGTH OPTIONS

- ☐ 6' BENCH
- ☐ 8' BENCH

WOOD OPTIONS

- ☐ 'C' & BTR. DOUGLAS FIR KD S4S EE
- ☐ IPE S4S EE
- ☐ OTHER

NOTES

- 1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
- 2.) ALL WOOD MEMBERS TREATED W/ CLEAR PRESERVATIVE.
- 3.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED.
- 4.) CUSTOM LETTERING AVAILABLE FOR RECESSED SIDE PANELS ( TOTAL OF 37 SPACES ).

- ☐ CUSTOM LETTERING ( 37 SPACES )



BENCH

DATE DRAWN : 06/06/01
DRAWN BY : CDC
DATE REV. : 00/00/00
REV. BY : XXX

REV. A

DRAWING NUMBER

57 SERIES 3AR



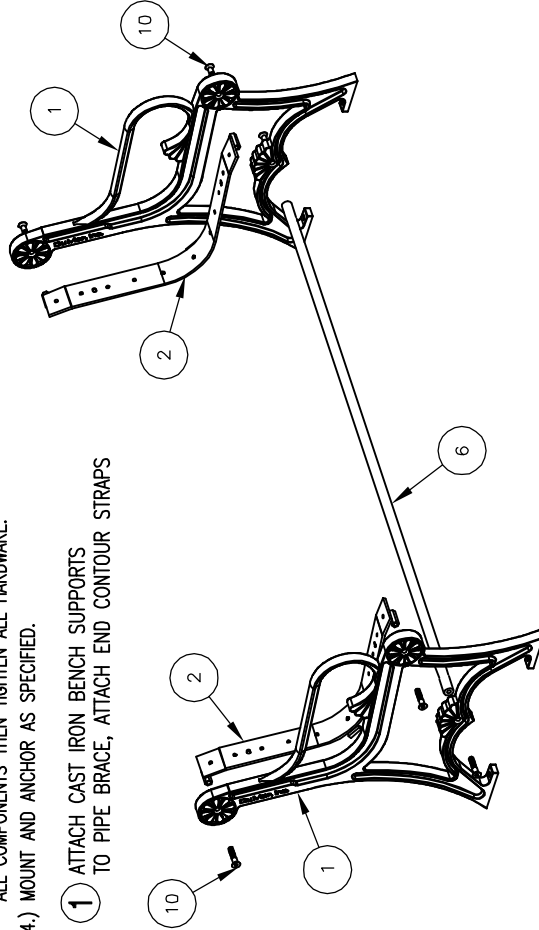
# NOTES:

- 1.) DURING ASSEMBLY PROCEDURE:  
DO NOT COMPLETELY TIGHTEN HARDWARE.
- 2.) THE ACTUAL PARTS WILL NOT BE NUMBERED.  
NUMBERS ONLY APPLY TO DRAWING.
- 3.) UPON COMPLETION OF ASSEMBLY SQUARE  
ALL COMPONENTS THEN TIGHTEN ALL HARDWARE.
- 4.) MOUNT AND ANCHOR AS SPECIFIED.

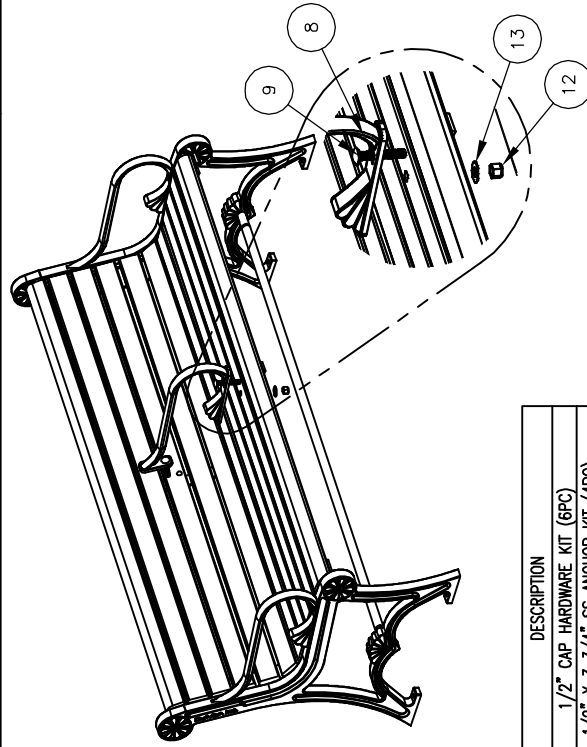
# TOOLS REQ'D

- 3/4" WRENCH
- 5/16" ALLEN WRENCH
- 1/4" ALLEN WRENCH
- 1/2" MASONRY DRILL BIT
- DRILL

- 1 ATTACH CAST IRON BENCH SUPPORTS  
TO PIPE BRACE, ATTACH END CONTOUR STRAPS



- 3 ATTACH ARMREST TO STEP 2.



# KITS PROVIDED

ITEM	QTY	PART NO	DESCRIPTION
16	1	K-FC0840-6	1/2" CAP HARDWARE KIT (6PC)
17	1	K-ANC0860-4	1/2" X 3 3/4" SS ANCHOR KIT (4PC)
18	1	K-CG0848-2L	1/2" CGE BOLT HARDWARE KIT
19	1	K-BL0524-33	5/16" LAG HARDWARE KIT (33PC)



# ASSEMBLY INSTRUCTIONS

DATE DRAWN : 09/29/08  
DRAWN BY : ESS  
DATE REV. : 00/00/00  
REV. BY : XXX

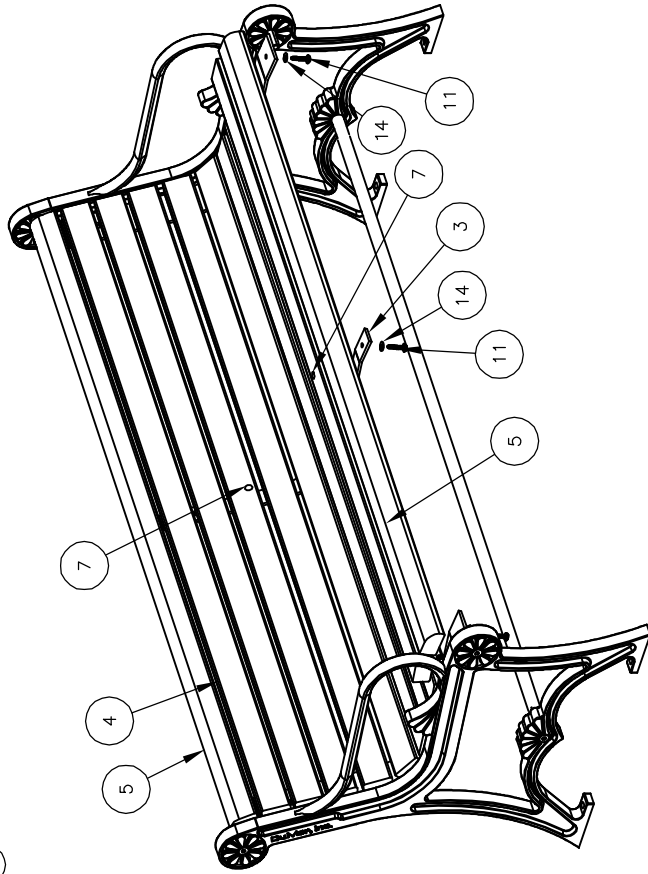
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SHEET  
2 OF 2

- 2 ATTACH SLATS TO STEP 1, ATTACH CENTER CONTOUR STRAP TO SLATS.



# PARTS LIST

ITEM	QTY	PART NO	DESCRIPTION
1	2	0-57-00-02	CAST IRON BENCH SUPPORT
2	2	0-57-00-05	END CONTOUR STRAP
3	1	0-57-00AR-03	CENTER STRAP FOR ARMREST
4	7	0-57-60-01	2" X 3" X 71" WOOD INT'R SLAT
5	2	0-57-60-02	2" X 3" X 71" WOOD EDGE SLAT
6	1	0-57-60-04	71 3/4" PIPE BRACE
7	2	0-57-60-31	2" X 3" X 71" INT SLAT, WOOD, FOR CENTER ARMREST
8	1	0-58-00AR-03	CAST IRON BOLT ON ARMREST
9	2	1-11-044	1/2" X 3" SS CGE BOLT
10	6	1-12-065	1/2" X 2 1/2" FLT SKT HD CAP SCR
11	31	1-13-023	5/16" X 1 1/2" SS BIN SKT HD LAG
12	2	1-20-015	1/2" SS NYLON LOCKNUT
13	2	1-22-015	1/2" SS FLAT WASHER
14	31	1-22-017	5/16" SS FLAT WASHER



CBF-10



CS-10

#### C-9 TABLE

4, 6 or 8 ft (1.2, 1.8 or 2.4 m) length. Nominal 2 x 4 (38 x 89 mm) slats. Surface mount.

OPTIONS: Wood slats. 2nd Site Systems® recycled plastic slats for 4 and 6 ft (1.2 and 1.8 m) lengths. Gameboard.

#### C-10 BENCH

#### C-7 BACKLESS BENCH

#### C-5 BACKLESS BENCH

4, 6 or 8 ft (1.2, 1.8 or 2.4 m) length. Nominal 2 x 3 (38 x 63 mm) slats. Surface mount.

OPTIONS: Wood slats. 2nd Site Systems® recycled plastic slats for 4 and 6 ft (1.2 and 1.8 m) lengths. Intermediate armrests (bolt-on).

#### CR-10 BENCH

4, 6 or 8 ft (1.2, 1.8 or 2.4 m) length. Vertical steel scrolls. Surface mount. OPTION: Intermediate armrests (bolt-on).

#### CR-7 BACKLESS BENCH

#### CR-5 BACKLESS BENCH

Steel scroll seating available (not shown).

#### CBF-10 BENCH

4, 6 or 8 ft (1.2, 1.8 or 2.4 m) length. Horizontal steel slats. Surface mount. OPTION: Intermediate armrests.

#### CS-10 BENCH

4 or 6 ft (1.2 or 1.8 m) length. Horizontal steel rods. Surface mount.



C-10. Wood slats.\*



C-9 and C-7. Wood slats.\*



C-7. 2nd Site Systems® slats.

Made with corrosion-resistant hardware, our Classic wood benches have slats that are a full 1-1/2 in (38 mm) thick. You may also choose steel slats or our recycled plastic slats.

\*Natural wood colors will vary. Weathering may occur on site which will alter the color of the wood over time.





*Beautiful traditional patterns preserve and enhance  
historic and contemporary sites alike.*



CR-10. Optional intermediate armrest. Salt Lake City, Utah, USA.

*The Sage side-door litter receptacle (patented) joins contemporary and functional design with enduring strength. We engineered Sage to withstand flexing and distortion inherent in perforated sheet metal while keeping the design serviceable, long lasting, and attractive. Sage features a full interior steel frame, strong exterior panels formed from 11-gauge steel nested in solid-steel frames, and our signature friction-eliminating hinges. DSNT approved design. Visit our receptacle installations at Union Square, Grand Central, Lincoln Square, and the Flatiron District.*

## SAGE

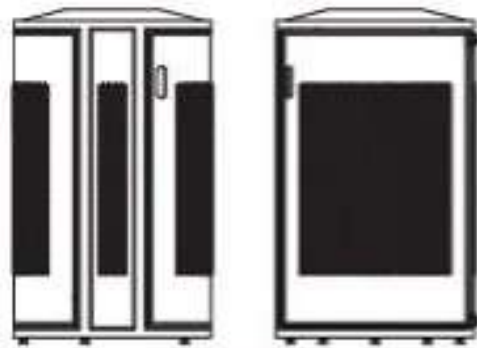
Victor Stanley Relay<sup>®</sup> Sensor with a trial period of our Relay Service.

SGE-36SA: 36-gal (136 L) Side-Deposit Side-Door Litter Receptacle.  
Standard solid convex lid. US Patent D785,269 S.

SGE-43SD: 43-gal (170 L) Top-Deposit Litter Receptacle.  
Wide mouth convex lid. US Patent D804,719 S.

## OPTIONS

Perforated steel panels. Solid steel panels (without perforation).  
Recycle side-deposit (SGE-36SA). Dual-flow side-deposit (SGE-36SA). Dual-flow lid (SGE-43SD). Ashtray (standard or covered, SGE-36SA). Half-Moon liners. Galvanized steel liner (SGE-36SA, powder coat available). Custom decals.



SGE-43SD  
Patented.

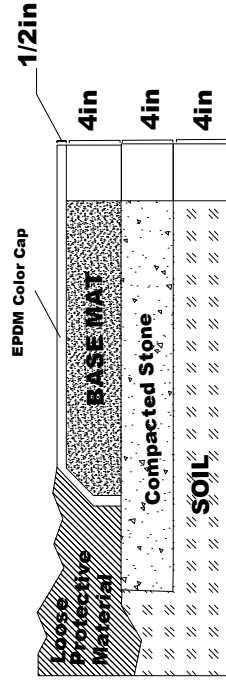
Customized for rodent resistance with pull-down handle.



*See product specifications for further details. Drawings are not to scale. Our TGIC powder-coating averages 8-10 mils (200-250 microns) thick and is applied in-house to ensure the highest level of quality. Offered in 12 standard and metallic colors, plus a full range of RAL colors with available color matching. Additional cost may apply.*

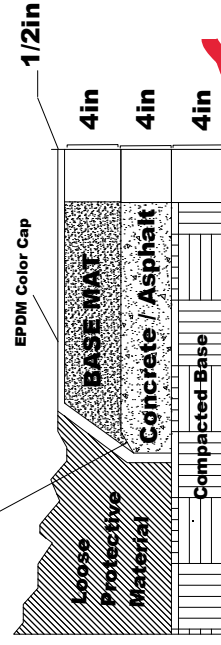


# Loose Fill Rubber Mulch

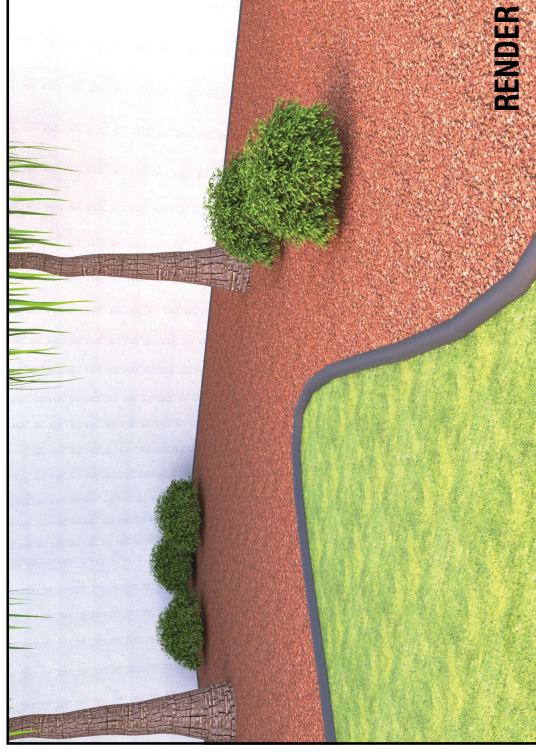


LOOSE FILL TO PIP-ON-UNCOMPACTED CRUSHED STONE

Chamfered Edge



LOOSE FILL TO POURED-IN-PLACE ON CONCRETE



## Product Details:

- Allows water and fertilizer applications to pass through
- Long-lasting, durable, will not deteriorate, float away or splinter
- Great for residential or commercial use

## Sizes:

Available in 50 lb. bag

## Colors:

Black, Brown, Cypress, Green, Jungle, Rainbow, Red, Rustic, Yellow

**Rubber Designs**  
Better for the earth. Better for you.

3125 Skyway Circle | Melbourne, FL 32934 | 877.978.2237 | RubberDesigns.com



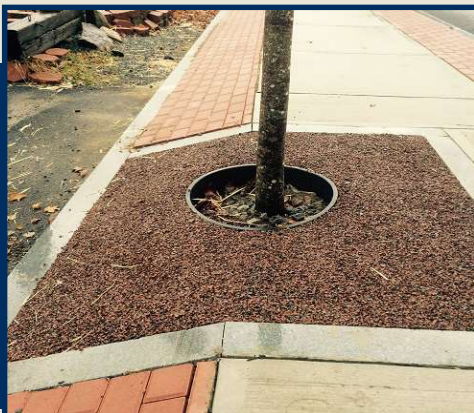
Custom warm brown  
"Nutmeg" color not  
shown here.



## Rubber Tree Wells - Single Layer Systems



*City Beautification*



*Custom Design Options*



*Tree Preservation*

Rubberway Tree Wells are an environmentally conscious option for installing or replacing tree wells, and are a safe solution for public walkways.

Rubberway Tree Wells are flexible and porous, allowing moisture to pass through, managing storm water and recharging groundwater while preserving the health of existing tree roots.

The single layer Rubber Tree Well system is made from 100% recycled rubber, diverting tires from landfills and reducing the need for raw materials. This system is open grid, rapid draining, and available in a variety of colors.

A stone aggregate can be combined with the recycled rubber bits to form Rubberway's RubberRock system for a unique look that replicates stone.

### Pervious Pavement Tree Well



### Color Section



### RubberRock Tree Well



### Benefits

- ✓ Porous and Flexible
- ✓ Made from Recycled Material
- ✓ Reduces Liability Risks
- ✓ Resilient, Yet Firm Structure
- ✓ Long Lasting
- ✓ ADA Compliant
- ✓ More Economic than Steel Grates
- ✓ Freeze Thaw Compatible
- ✓ No Heavy Metal Leaching
- ✓ Seamless and Customizable
- ✓ Replicates Concrete or Stone
- ✓ Easy to Install