



Maintenance Procedures

Maintaining the StormGarden system is necessary to continue the effective pollutant removal from stormwater runoff prior to discharge into the stormdrain system. Ongoing maintenance will also extend the life of the filter media and the StormGarden system. As the StormGarden filters stormwater runoff, pollutants accumulate within the filter media and floating debris such as silt, trash and leaves accumulate on top of the media underneath the concrete slab. When an excessive amount of silt and trash build up on top of the media, the flow-through rate of the media is reduced, thus decreasing the capacity of the system. Regular replacement of the top mulch layer helps stop the accumulation of such sediment and debris and maintaining the overall performance of the system.

Rotondo Environmental Solutions (RES) includes a 1-year maintenance plan with each StormGarden purchase. The included maintenance plan consists of a maximum of 2 scheduled visits. If additional visits are required due to excessive sediment and trash loading, they will be performed by RES for an additional charge. The start of the maintenance plan begins when the system is activated for full operation. Full operation is defined as the unit installed, curb and gutter and transitions in place, and the unit activated by RES which includes the mulch and plant installed and the temporary throat protection removed.

Activation cannot occur until the site is fully stabilized, which means full landscaping, grass cover, final paving and sweeping is complete. Maintenance visits are scheduled seasonally. The spring visit cleans up after winter loads which include salts and sands, and the fall visit is to remove excessive leaves and debris.

It is the responsibility of the owner to provide adequate irrigation when necessary to the plant of the StormGarden system. Cleanup due to major contamination such as oils, chemicals, toxic spills, etc. will result in additional costs and are not covered under the 1-year maintenance plan provided by RES. Should a major contamination event occur, the owner must block off the outlet pipe to the StormGarden unit (where the cleaned runoff drains to from the StormGarden, such as the bypass inlet) and block off the throat of the StormGarden. RES should be informed immediately.

Each maintenance visit consists of the following tasks:

- Visual inspection of StormGarden unit and surrounding area
- Removal of tree grate and erosion control stones
- Removal of sediment, trash, debris and mulch
- Mulch replacement
- Clean and replace erosion control stones
- Evaluation of plant and pruning or replacement if necessary
- Clean area around StormGarden unit
- Maintenance report

Brookside Square - Filterra - Inspection & Maintenance

Project Information

Date of Maintenance

05/24/2016 

Filterra Units on this Order

4

Total Units on this Project

4

Arrival Time

Departure Time

Number of Workers

1

Notes on Project

▲

▼

Activation Supervisor

Santino Nappi

Project Name	<input type="text" value="Brookside Square"/>	Structure Number	<input type="text" value="F1"/>
Plant Type	<input type="text"/>	Structure Size	<input type="text" value="6 x 4"/>

Initial Observations

Standing Water in Bypass	<input type="text" value="No"/>	Damage to Tree Grate?	<input type="text" value="No"/>
Damage to Box Structure?	<input type="text" value="No"/>	Is Bypass Clear	<input type="text" value="Yes"/>

Waste

Silt Clay	<input type="text" value="No"/>
Cups Bags	<input type="text" value="No"/>
Leaves	<input type="text" value="Yes"/>
Buckets Removed	<input type="text" value="2"/>

Mulch

Netting Replaced	<input type="text" value="No"/>
Stones Replaced	<input type="text" value="No"/>
Bags of Mulch Added	<input type="text" value="3"/>

Plant	#1	#2		#1	#2
Plant height above grate	<input type="text" value="7' 1"/>	<input type="text"/>	Damage to Plant	<input type="text" value="No"/>	<input type="text"/>
Stem diameter/caliper	<input type="text" value="1"/>	<input type="text"/>	Plant Replaced	<input type="text" value="No"/>	<input type="text"/>
Plant's Widest Width	<input type="text" value="3' 5"/>	<input type="text"/>			
Plant Health	<input type="text" value="Alive"/>	<input type="text"/>			

Project Name

Structure Number

Plant Type

Structure Size

Initial Observations

Standing Water in Bypass	<input type="text" value="No"/>	▼	Damage to Tree Grate?	<input type="text" value="No"/>	▼
Damage to Box Structure?	<input type="text" value="No"/>	▼	Is Bypass Clear	<input type="text" value="Yes"/>	▼

Waste

Silt Clay	<input type="text" value="Yes"/>	▼
Cups Bags	<input type="text" value="Yes"/>	▼
Leaves	<input type="text" value="Yes"/>	▼
Buckets Removed	<input type="text" value="2"/>	

Mulch

Netting Replaced	<input type="text" value="No"/>	▼
Stones Replaced	<input type="text" value="No"/>	▼
Bags of Mulch Added	<input type="text" value="3"/>	

Plant

	#1	#2		#1	#2
Plant height above grate	<input type="text" value="7' 10"/>	<input type="text"/>	Damage to Plant	<input type="text" value="No"/>	<input type="text"/>
Stem diameter/caliper	<input type="text" value="1.5"/>	<input type="text"/>	Plant Replaced	<input type="text" value="No"/>	<input type="text"/>
Plant's Widest Width	<input type="text" value="3' 4"/>	<input type="text"/>			
Plant Health	<input type="text" value="Alive"/>	<input type="text"/>			

Project Name	<input type="text" value="Brookside Square"/>	Structure Number	<input type="text" value="F3"/>
Plant Type	<input type="text"/>	Structure Size	<input type="text" value="6 x 4"/>

Initial Observations

Standing Water in Bypass	<input type="text" value="No"/>	Damage to Tree Grate?	<input type="text" value="No"/>
Damage to Box Structure?	<input type="text" value="No"/>	Is Bypass Clear	<input type="text" value="Yes"/>

Waste

Silt Clay	<input type="text" value="No"/>
Cups Bags	<input type="text" value="No"/>
Leaves	<input type="text" value="Yes"/>
Buckets Removed	<input type="text" value="2"/>

Mulch

Netting Replaced	<input type="text" value="No"/>
Stones Replaced	<input type="text"/>
Bags of Mulch Added	<input type="text" value="3"/>

Plant

	#1	#2		#1	#2
Plant height above grate	<input type="text" value="7' 8"/>	<input type="text"/>	Damage to Plant	<input type="text" value="No"/>	<input type="text"/>
Stem diameter/caliper	<input type="text" value="1.5"/>	<input type="text"/>	Plant Replaced	<input type="text" value="No"/>	<input type="text"/>
Plant's Widest Width	<input type="text" value="3' 4"/>	<input type="text"/>			
Plant Health	<input type="text" value="Alive"/>	<input type="text"/>			

Project Name	<input type="text" value="Brookside Square"/>	Structure Number	<input type="text" value="F4"/>
Plant Type	<input type="text"/>	Structure Size	<input type="text" value="6 x 4"/>

Initial Observations

Standing Water in Bypass	<input type="text" value="No"/>	Damage to Tree Grate?	<input type="text" value="No"/>
Damage to Box Structure?	<input type="text" value="No"/>	Is Bypass Clear	<input type="text" value="Yes"/>

Waste

Silt Clay	<input type="text" value="No"/>
Cups Bags	<input type="text" value="No"/>
Leaves	<input type="text" value="Yes"/>
Buckets Removed	<input type="text" value="2"/>

Mulch

Netting Replaced	<input type="text" value="No"/>
Stones Replaced	<input type="text" value="No"/>
Bags of Mulch Added	<input type="text" value="3"/>

Plant

	#1	#2		#1	#2
Plant height above grate	<input type="text" value="7"/>	<input type="text"/>	Damage to Plant	<input type="text" value="No"/>	<input type="text"/>
Stem diameter/caliper	<input type="text" value="1.5"/>	<input type="text"/>	Plant Replaced	<input type="text" value="No"/>	<input type="text"/>
Plant's Widest Width	<input type="text" value="3' 4"/>	<input type="text"/>			
Plant Health	<input type="text" value="Alive"/>	<input type="text"/>			

5-24-16 - Brookside Square - Filterra Maintenance



DSCF8653



DSCF8654



DSCF8655



DSCF8656



DSCF8657



DSCF8658



DSCF8659



DSCF8660



DSCF8661



DSCF8662



DSCF8663



DSCF8664



DSCF8665



DSCF8666



DSCF8667



DSCF8668



DSCF8669



DSCF8670



DSCF8671



DSCF8672



DSCF8673



DSCF8674



DSCF8675



DSCF8676

5-24-16 - Brookside Square - Filterra Maintenance



DSCF8677



DSCF8678



DSCF8679



DSCF8680



DSCF8681



DSCF8682

Brookside Square - Filterra - Inspection & Maintenance

Project Information

Date of Maintenance

12/07/2016 

Filterra Units on this Order

4

Total Units on this Project

4

Arrival Time

10

Departure Time

2

Number of Workers

2

Notes on Project

Activation Supervisor

Brian Mulcahy

Project Name	<input type="text" value="Brookside Square"/>	Structure Number	<input type="text" value="1"/>
Plant Type	<input type="text"/>	Structure Size	<input type="text" value="6x4"/>

Initial Observations

Standing Water in Bypass	<input type="text" value="No"/>	Damage to Tree Grate?	<input type="text" value="No"/>
Damage to Box Structure?	<input type="text" value="No"/>	Is Bypass Clear	<input type="text" value="Yes"/>

Waste

Silt Clay	<input type="text" value="No"/>
Cups Bags	<input type="text" value="No"/>
Leaves	<input type="text" value="Yes"/>
Buckets Removed	<input type="text" value="4"/>

Mulch

Netting Replaced	<input type="text" value="No"/>
Stones Replaced	<input type="text" value="No"/>
Bags of Mulch Added	<input type="text" value="4"/>

Plant

	#1	#2		#1	#2
Plant height above grate	<input type="text" value="7'6''"/>	<input type="text"/>	Damage to Plant	<input type="text" value="No"/>	<input type="text"/>
Stem diameter/caliper	<input type="text" value="1.5''"/>	<input type="text"/>	Plant Replaced	<input type="text" value="No"/>	<input type="text"/>
Plant's Widest Width	<input type="text" value="3'9''"/>	<input type="text"/>			
Plant Health	<input type="text" value="Alive"/>	<input type="text"/>			

Project Name

Structure Number

Plant Type

Structure Size

Initial Observations

Standing Water in Bypass	<input type="text" value="No"/>	Damage to Tree Grate?	<input type="text" value="No"/>
Damage to Box Structure?	<input type="text" value="No"/>	Is Bypass Clear	<input type="text" value="Yes"/>

Waste

Silt Clay	<input type="text" value="No"/>
Cups Bags	<input type="text" value="No"/>
Leaves	<input type="text" value="Yes"/>
Buckets Removed	<input type="text" value="4"/>

Mulch

Netting Replaced	<input type="text" value="No"/>
Stones Replaced	<input type="text" value="No"/>
Bags of Mulch Added	<input type="text" value="4"/>

Plant

	#1	#2		#1	#2
Plant height above grate	<input type="text" value="7'10"/>	<input type="text"/>	Damage to Plant	<input type="text" value="No"/>	<input type="text"/>
Stem diameter/caliper	<input type="text" value="1.5"/>	<input type="text"/>	Plant Replaced	<input type="text" value="No"/>	<input type="text"/>
Plant's Widest Width	<input type="text" value="3'2"/>	<input type="text"/>			
Plant Health	<input type="text" value="Alive"/>	<input type="text"/>			

Project Name	<input type="text" value="Brookside Square"/>	Structure Number	<input type="text" value="3"/>
Plant Type	<input type="text"/>	Structure Size	<input type="text" value="6x4"/>

Initial Observations

Standing Water in Bypass	<input type="text" value="No"/>	Damage to Tree Grate?	<input type="text" value="No"/>
Damage to Box Structure?	<input type="text" value="No"/>	Is Bypass Clear	<input type="text" value="No"/>

Waste

Silt Clay	<input type="text" value="No"/>
Cups Bags	<input type="text" value="No"/>
Leaves	<input type="text" value="Yes"/>
Buckets Removed	<input type="text" value="4"/>

Mulch

Netting Replaced	<input type="text" value="No"/>
Stones Replaced	<input type="text" value="No"/>
Bags of Mulch Added	<input type="text" value="4"/>

Plant

	#1	#2		#1	#2
Plant height above grate	<input type="text" value="7'8''"/>	<input type="text"/>	Damage to Plant	<input type="text" value="No"/>	<input type="text"/>
Stem diameter/caliper	<input type="text" value="1.75''"/>	<input type="text"/>	Plant Replaced	<input type="text" value="No"/>	<input type="text"/>
Plant's Widest Width	<input type="text" value="3'3''"/>	<input type="text"/>			
Plant Health	<input type="text" value="Alive"/>	<input type="text"/>			

Project Name	<input type="text" value="Brookside Square"/>	Structure Number	<input type="text" value="4"/>
Plant Type	<input type="text"/>	Structure Size	<input type="text" value="6x4"/>

Initial Observations

Standing Water in Bypass	<input type="text" value="No"/>	Damage to Tree Grate?	<input type="text" value="No"/>
Damage to Box Structure?	<input type="text" value="No"/>	Is Bypass Clear	<input type="text" value="Yes"/>

Waste

Silt Clay	<input type="text" value="No"/>
Cups Bags	<input type="text" value="No"/>
Leaves	<input type="text" value="Yes"/>
Buckets Removed	<input type="text" value="4"/>

Mulch

Netting Replaced	<input type="text" value="No"/>
Stones Replaced	<input type="text" value="No"/>
Bags of Mulch Added	<input type="text" value="4"/>

Plant	#1	#2		#1	#2
Plant height above grate	<input type="text" value="7'2"/>	<input type="text"/>	Damage to Plant	<input type="text" value="No"/>	<input type="text"/>
Stem diameter/caliper	<input type="text" value="1.5"/>	<input type="text"/>	Plant Replaced	<input type="text" value="No"/>	<input type="text"/>
Plant's Widest Width	<input type="text" value="2'11"/>	<input type="text"/>			
Plant Health	<input type="text" value="Alive"/>	<input type="text"/>			

Concord Filterra



DSCF3352



DSCF3353



DSCF3354



DSCF3355



DSCF3356



DSCF3357



DSCF3358



DSCF3359



DSCF3360



DSCF3361



DSCF3362



DSCF3363



DSCF3364



DSCF3365



DSCF3366



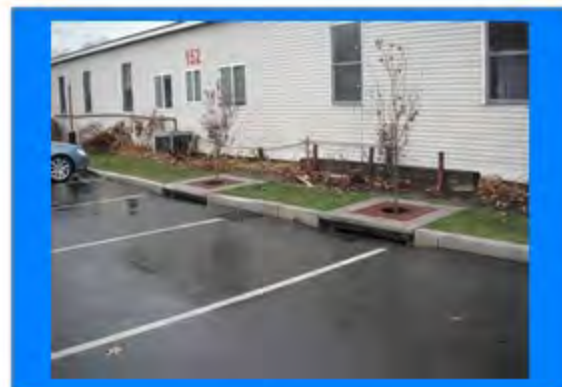
DSCF3367



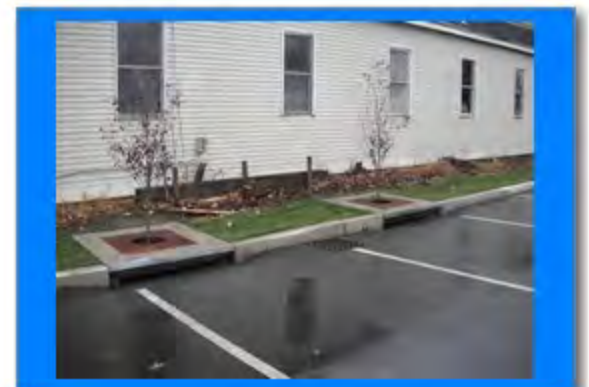
DSCF3368



DSCF3369



DSCF3370



DSCF3371



DSCF3372



DSCF3373



DSCF3374



DSCF3375

Concord Filterra



DSCF3376



DSCF3377



DSCF3378



DSCF3379



DSCF3380



DSCF3381