

ATTACHMENT 3

GREAT LAKES RESTORATION INITIATIVE FY12 CUYAHOGA COUNTY GLRI/SWIF FINAL PROJECT FACT SHEETS

12SWIF-CUY-02

South Euclid Municipal Complex Stormwater Demonstration Project

Project Sponsor

City of South Euclid
Surface Water
Improvement Fund
\$166,015

Local Project Contact

Michael Love
City of South Euclid
1349 South Green Road
South Euclid, Ohio 44121

Environmental Results

Installed 8,502 square feet of
permeable pavement

Installed 318 square feet of
native plantings/landscaping
in place of unnecessary
concrete

Conducted project specific
public outreach/education



Division of Surface Water
Nonpoint Source Program
614-644-2020

12SWIF-CUY-03

Orange Village Service Facility- Parking Lot Retrofit Project

Project Sponsor

Orange Village
Surface Water Improvement
\$162,270 SWIF Funds

Local Project Contact

Brian Mader
Orange Village
4600 Lander Road
Orange Village, OH 44022

Environmental Results

Installed 8,838 square feet of
permeable pavement.

Installed 445 square feet of
bio-filtration islands.

Conducted project specific
public outreach/education.



Division of Surface Water
Nonpoint Source Program
614-644-2020

12SWIF-CUY-07

Forest Ridge Preserve Headwater Stream Restoration

Project Sponsor

Village of Moreland Hills
Surface Water Improvement
\$144,500 SWIF Funds

Local Project Contact

Jeffrey J. Filarski, P.E.
Village of Moreland Hills
4350 SOM Center Road
Moreland Hills, OH 44022

Environmental Results

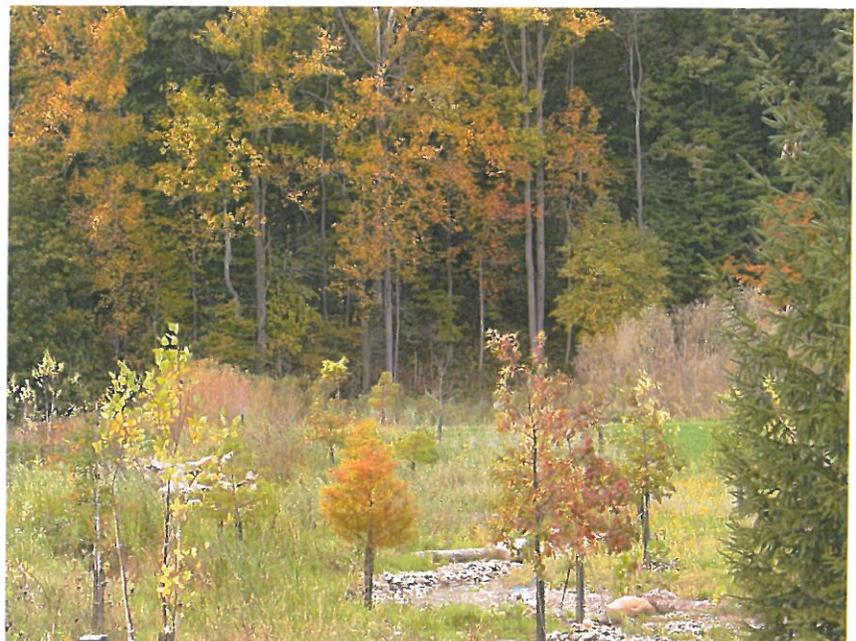
Restored 490 linear feet of
floodplain by removing 170
linear feet of culvert pipe
and excavating at least 3
times the bankfull channel
width.

Restored 490 linear feet of
stream channel by removing
170 linear feet of culvert
pipe.

Restored 490 linear feet of
streambank by recontouring
or regarding.

Restored 1 acre of riparian
corridor with shrubs/trees

Conducted project specific
public outreach/education.



Division of Surface Water
Nonpoint Source Program
614-644-2020

12SWIF-CUY-08

North Chagrin Nature Center Parking Lot Retrofit

Project Sponsor

Cleveland Metroparks
Surface Water Improvement
\$85,000 SWIF Funds
\$34,024 Match

Local Project Contact

John Cardell
Cleveland Metroparks
4101 Fulton Parkway
Cleveland, Ohio 44144

Environmental Results

Installed 5,500 square feet of bio-retention cells.

Installed three passive treatment train systems.

Installed 10,400 square feet of community rain garden.

Installed 6,150 square feet of vegetated infiltration areas.

Conducted project specific public outreach/education.



Division of Surface Water
Nonpoint Source Program
614-644-2020

12SWIF-CUY-09

Fern Hill Stormwater Treatment Wetland

Project Sponsor

City of Parma
Surface Water Improvement Fund
\$149,164

Local Project Contact

Shelley Cullins
City of Parma
6611 Ridge Road
Parma, OH 44129

Environmental Results

Installed one passive treatment train system, including pretreatment forebay and permanent settling basin

Constructed a pretreatment cell

Installed approximately 1 acre of wetland

Planted approximately 300 woody plants and 7,100 herbaceous plants

Conducted project specific public outreach and education



Division of Surface Water
Nonpoint Source Program
614-644-2020

12SWIF-CUY-16

Lakewood Green Parking Lots

Project Sponsor

City of Lakewood
Surface Water Improvement
\$150,000 SWIF Funds

Local Project Contact

Joe Beno
City of Lakewood
12650 Detroit Avenue
Lakewood, OH 44107

Environmental Results

Installed 14,694 square feet
of permeable pavement.

Installed 850 square feet of
bioretention areas.

Installed 12 trees to provide
shade in order to decrease
temperature of surrounding
pavement and absorb water.



Division of Surface Water
Nonpoint Source Program
614-644-2020

12SWIF-CUY-18

Pepper Pike City Hall Parking Lot Retrofit

Project Sponsor

City of Pepper Pike
Surface Water Improvement
\$84,354 SWIF Funds

Local Project Contact

Donald Sheehy
City of Pepper Pike
28000 Shaker Blvd.
Pepper Pike, Ohio 44124

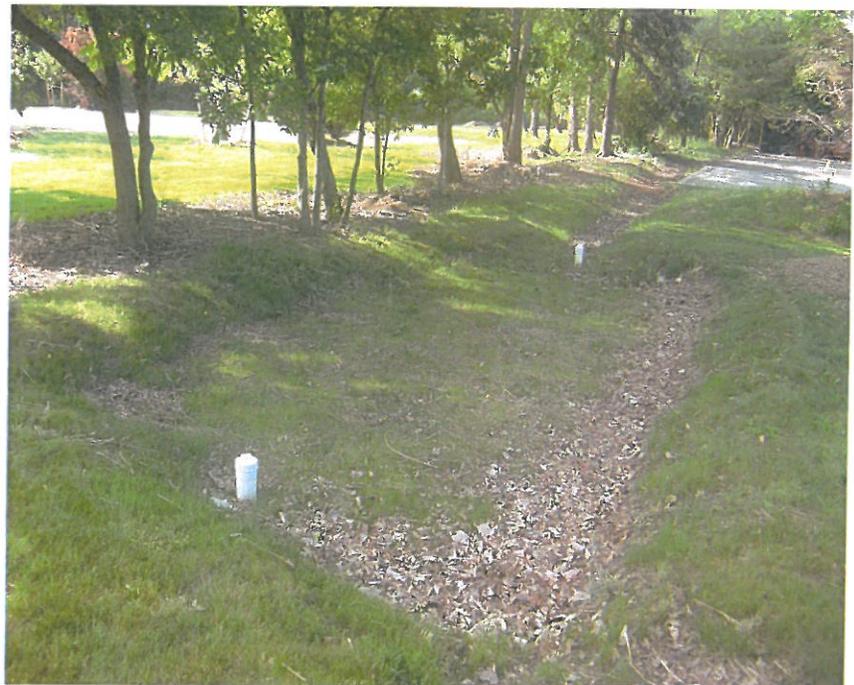
Environmental Results

Installed 4,113 square feet of
pervious pavers.

Installed 315 square feet of
bioretention cell.

Installed 450 square feet of
vegetated infiltration swale.

Installed one passive
treatment train system.



Division of Surface Water
Nonpoint Source Program
614-644-2020

12SWIF-CUY-19

Dalepoint Road Cul-de-sac Retrofit

Project Sponsor

City of Independence
Surface Water Improvement
\$72,850 SWIF Funds

Local Project Contact

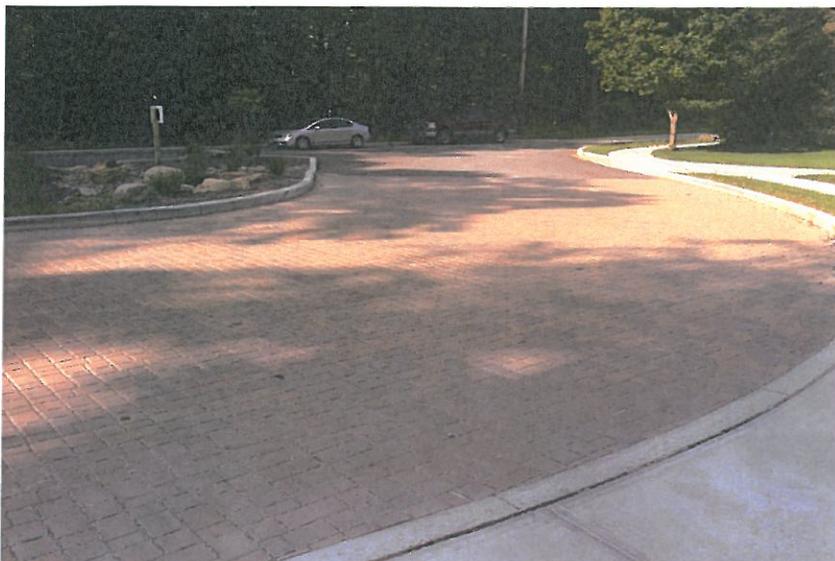
Gregory Kurtz, Mayor
City of Independence
6800 Brecksville Road
Independence, Ohio 44131

Environmental Results

Installed 3,700 square feet of
pervious pavers.

Installed 300 square feet of
bioretention area.

Installed one passive
treatment train system.



Division of Surface Water
Nonpoint Source Program
614-644-2020

12SWIF-CUY-20

Brooklyn Heights Village Hall Parking Lot Retrofit

Project Sponsor

Village of Brooklyn Heights
Surface Water
Improvement Fund
\$84,330

Local Project Contact

Michael Procuik, Mayor
Village of Brooklyn Heights
345 Tuxedo Avenue
Brooklyn Heights, Ohio 44131

Environmental Results

Installed 4,900 square feet of
porous asphalt.

Constructed 840 square feet
infiltrating, dry-enhanced
swale.

Installed one passive
treatment train.



Division of Surface Water
Nonpoint Source Program
614-644-2020

12SWIF-CUY-22

Cahoon & Columbia Creek Floodplain Wetland Restoration

Project Sponsor

City of Westlake
Surface Water Improvement
\$200,000 SWIF Funds

Local Project Contact

Robert P. Kelly, P.E.
City of Westlake
27700 Hilliard Blvd.
Westlake, OH 44145

Environmental Results

Stabilized/restored 1,807
linear feet of floodplain to
natural flow using bio-
engineering.

Installed two grade
structures.

Planted 1.2 acres of native
grasses.

Restored 1.2 acres of riparian
corridor with woody riparian
vegetation.



Division of Surface Water
Nonpoint Source Program

12SWIF-CUY-23

Solon Road Surface Water Improvements

Project Sponsor

Village of Chagrin Falls
Surface Water Improvement
\$73,000 SWIF Funds

Local Project Contact

Benjamin Himes
Village of Chagrin Falls
21 West Washington Street
Chagrin Falls, Ohio 44022

Environmental Results

Installed 600 square feet of
biofiltration islands
(bioretention cell) along
Solon Road.

Installed 319 square yards of
vegetated infiltration swales
(infiltration trench) along the
west side of Solon Road.

Installed 500 linear feet of
vegetated side slope swales
in conjunction with
infiltration trench.

Installed 400 square yards of
permeable concrete along
the east side of Solon Road.



Division of Surface Water
Nonpoint Source Program
614-644-2020

12SWIF-CUY-GLRI-06

**Stream Rehabilitation
& Bioretention Cell
Creation**

Project Sponsor

Ursuline College

2012 GLRI Funds \$134,654

Local Project Contact

June Gracyk

Ursuline College

2550 Lander Road

Pepper Pike, OH 44124

Environmental Results

Restored 380 linear feet of
floodplain.

Restored 185 linear feet of
stream channel.

Planted native grasses, trees,
shrubs and live stakes in
riparian area.

Installed 2,800 square feet of
bioretention cell.



Division of Surface Water
Nonpoint Source Program
614-644-2020

12SWIF-CUY-GLRI-10

**Shore Cultural Centre
Parking Lot Retrofit-
Stormwater
Demonstration
Project**

Project Sponsor

City of Euclid
2012 GLRI Funds \$117,862

Local Project Contact

Lee Bock
City of Euclid
585 East 222nd Street
Euclid, Ohio 44123

Environmental Results

Installed 6,000 square feet of permeable pavement

Installed 400 square feet of bio-filtration islands.

Installed 1,000 square feet of vegetative infiltration areas.



Division of Surface Water
Nonpoint Source Program
614-644-2020

12SWIF-CUY-GLRI-11

Glenwillow Village Hall Parking Lot Improvements

Project Sponsor

Village of Glenwillow
2012 GLRI Funds \$53,358

Local Project Contact

Michael Henry
Village of Glenwillow
22999 Forbes Road B
Cleveland, Ohio 44146-5667

Environmental Results

Installed 2,800 square feet of porous asphalt

Constructed 720 square feet infiltrating, dry-enhanced swale.

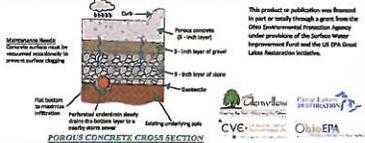
Installed one passive treatment train.



Glenwillow Village Hall Pervious Pavement

The surface of a typical parking lot is a magnet for various pollutants. Paved vehicles often drip oil, grease and other fluids, the wearing down of tires and brake pads deposits small amounts of heavy metals, road salt contributes chlorides, and adjacent landscaped areas are the source of herbicides, fertilizers, pesticides, and general litter. These pollutants are washed away by rainwater and soon make into storm sewers, where they are eventually discharged directly into local streams... without any treatment.

The parking lot at Glenwillow Village Hall is different because it is porous... water runoff, and of the pollutants picked up by it, actually soaks through the porous concrete. The water eventually flows through the stone base where it has a chance to infiltrate into the underlying soil. This reduces the volume of runoff and removes many of the pollutants absorbed above from the storm sewer system, which ultimately drains to Tinkers Creek, the Cuyahoga River, and eventually to Lake Erie.



Division of Surface Water
Nonpoint Source Program
614-644-2020

12SWIF-CUY-GLRI-12

Tremont Montessori School Parking Lot & Jefferson Avenue Green Infrastructure Retrofit

Project Sponsor

City of Cleveland
2012 GLRI Funds \$180,843

Local Project Contact

Kathy Bodnar
City of Cleveland
601 Lakeside Avenue
Cleveland, OH 44114

Environmental Results

- Installed 1,500 square feet of permeable pavement
- Constructed 1,500 square of bioretention basin
- Conducted project specific public outreach and education



Division of Surface Water
Nonpoint Source Program

12SWIF-CUY-GLRI-14

Rocky River City Hall Green Infrastructure Demonstration Project

Project Sponsor

City of Rocky River
2012 GLRI Funds \$160,284

Local Project Contact

Jan Thomas
City of Rocky River
21012 Hilliard Blvd.
Rocky River, Ohio 44116

Environmental Results

Installed 2,150 square feet of
permeable pavement

Installed four stormwater
tree boxes



Division of Surface Water
Nonpoint Source Program
614-644-2020

12SWIF-CUY-GLRI-21

**Greenwood Farm-
Rain Garden-
Bioretention-Porous
Pavement**

Project Sponsor

City of Richmond Heights
2012 GLRI Funds \$186,352

Local Project Contact

Leland Courtney
City of Richmond Heights
26789 Highland Road
Richmond Heights, OH 44143

Environmental Results

Installed 4,970 square feet of
aggregate drains/filters

Installed 13,090 square feet
of permeable pavement

Installed 2,300 square feet of
bio-filtration islands



Division of Surface Water
Nonpoint Source Program
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