

**NORTHEAST OHIO REGIONAL SEWER DISTRICT  
SMALL-SCALE STORMWATER DEMONSTRATION PROJECTS**

Application

Application Date: 8-25-2012

Community: City of Parma

Project Manager: West Creek Preservation Committee, Derek Schafer

Mailing Address: PO BOX 347113  
Parma, OH 44134

Phone Number: 216-749-3720

Email: [dschafer@westcreek.org](mailto:dschafer@westcreek.org)

Name of Project: *Park Drive Corner Lot Demonstration Project*  
Neighborhood Stormwater Stewardship Initiative

Location of Proposed: Park Drive, City of Parma, West Creek watershed  
Project (address) vacant corner lot Park Drive, adjacent to Reservation

Approximate Square Footage of Stormwater Control Measure: 2545 treatment

Project Start Date: October 2012      Project End Date: April 2012

Estimated Total  
Project Cost: \$13,500

Project Area 'before'  
Photo Included: YES

## **NORTHEAST OHIO REGIONAL SEWER DISTRICT SMALL-SCALE STORMWATER DEMONSTRATION PROJECTS**

### **1) Project Summary**

The proposed project is located at the corner of Park and Klusner Drives in the City of Parma, adjacent to the West Creek Reservation. The property is owned by the City of Parma who has accordingly authorized the proposed stormwater control activities listed in this application.

This project is a vital part of the larger West Creek – Cleveland Metroparks *GLRI Project*, which is commencing this October with its first phase of construction (hopefully with this proposed treatment as well). The overall initiative includes installing a suite of stormwater practices on both public and private property, treating structural and street runoff. Through this voluntary program, WCPC has initiated contact with each prospective homeowner about installing each of the proposed practices, engaged them through design and preliminary planning, and have negotiated their buy-in and acceptance of the program. WCPC has also worked diligently with the City and its appropriate departments to determine policy and procedural requirements, which has coincidentally been the impetus for improving outdated ordinances and building codes.

The proposed practices in this application will undoubtedly complement the overall program that WCPC and Cleveland Metroparks are co-implementing. The corner lot is currently vacant and mowed by the City. The entirety of the parcel is turf grass and provides little stormwater or ecological benefit. Due to the parcel being vacant, at the corner, and pitched towards the storm sewer, it also makes the property an ideal location to install a variety of treatments. It is also important to note that the location of this proposed project is not solely based on vacant land owned by the City of Parma, but it is rather a strategic location to capture larger amounts of nonpoint that would otherwise flow directly into the stormline, which in turn discharge out of a large culvert on the other side of Park Drive. Such strong velocities have created serious erosive forces where the culvert dumps out.

We are proposing to install a series of raingardens, which will treat over 2500 square feet of area, within both the treelawn area as well as the larger City parcel, intercepting flow from Klusner Ave. Each garden will accordingly be planted with native garden plants (and considerations made for local deer population issues). With the addition of this proposed funding, we will be able to effectively extend the use of the GLRI-project monies further up Klusner Avenue; allowing construction dollars to be spread to additional raingardens and swales on public and private property, creating a model street.

### **2) Visibility and Public Outreach**

The Park Drive property is highly visible within this extremely dense neighborhood (over 1400 homes within a ½ mile). Aside from it being a corner lot

along the thoroughfare of Park Drive, it is also adjacent to a small, but heavily utilized park and a trail entrance into the West Creek Reservation. With the coordination of Cleveland Metroparks and WCPC on the larger GLRI initiative along Klusner Avenue, this street will also become a model street, which will garner the attraction of tours, trainings, and other educational outings/visitations.

WCPC has been an integral asset to the City for over 14 years. Aside from rallying the original support and funding for the West Creek Reservation, the organization has driven the greenspace movement, provided the City with technical services on an array of water/land/recreation issues, implemented important water resource protection ordinances, created a strong membership and constituency, and performed multiple restoration initiatives.

WCPC's ability to reach out to the community and leverage public support, has been crucial in volunteer engagement, whether it is for plantings, clean-ups, trail maintenance, landscaping, invasive specie pulls, hikes, sitting information booths, mailings, or other special events and fundraisers. This project will be supplemented by volunteers in the planting stage as well.

WCPC, the Cleveland Metroparks, and the City will coordinate efforts throughout the project's implementation. The neighborhood will also be engaged and informed throughout the process. WCPC will release one organizational newsletter within the reporting period, and updates will be periodically posted to the WCPC website. One public meeting (with project updates will also be conducted).

Signage will also be installed at the site (along the sidewalk) detailing the project and its funders/supporters.

### **3) Ability to Provide Long Term Maintenance**

WCPC has a proven track record and strong history in land and water resource management. Within the immediate area, WCPC already has the perpetual responsibility to manage and maintain (and restore) the ecological and conservation values of multiple properties. Aside from the large volunteer base that supplements WCPC's efforts, the organization also has ample staff, equipment and contractors to perform perpetual maintenance on the proposed project (as well as all other WCPC-owned/controlled lands). WCPC owns landscaping equipment, power tools/equipment, mowers, trimmers, and other necessary maintenance equipment/items required for property management. For equipment that WCPC doesn't own, we have an on-call contractor for such needs. WCPC's also ensures bi-monthly inspections at each property.

Installed correctly, minimal maintenance will be necessary on the raingardens. WCPC Staff (in coordination with CM) or its volunteers will ensure, through its bi-monthly inspections that the raingardens are not becoming clogged with debris, or populated with invasive species/weeds. Plant mortality will also be duly noted

and on an as-needed basis, plants will be periodically replaced to ensure proper function and health of the swale, channel, and riparian area. Deer populations are also high in the immediate vicinity, thus certain control measures will be implemented to ensure effective vegetation establishment.

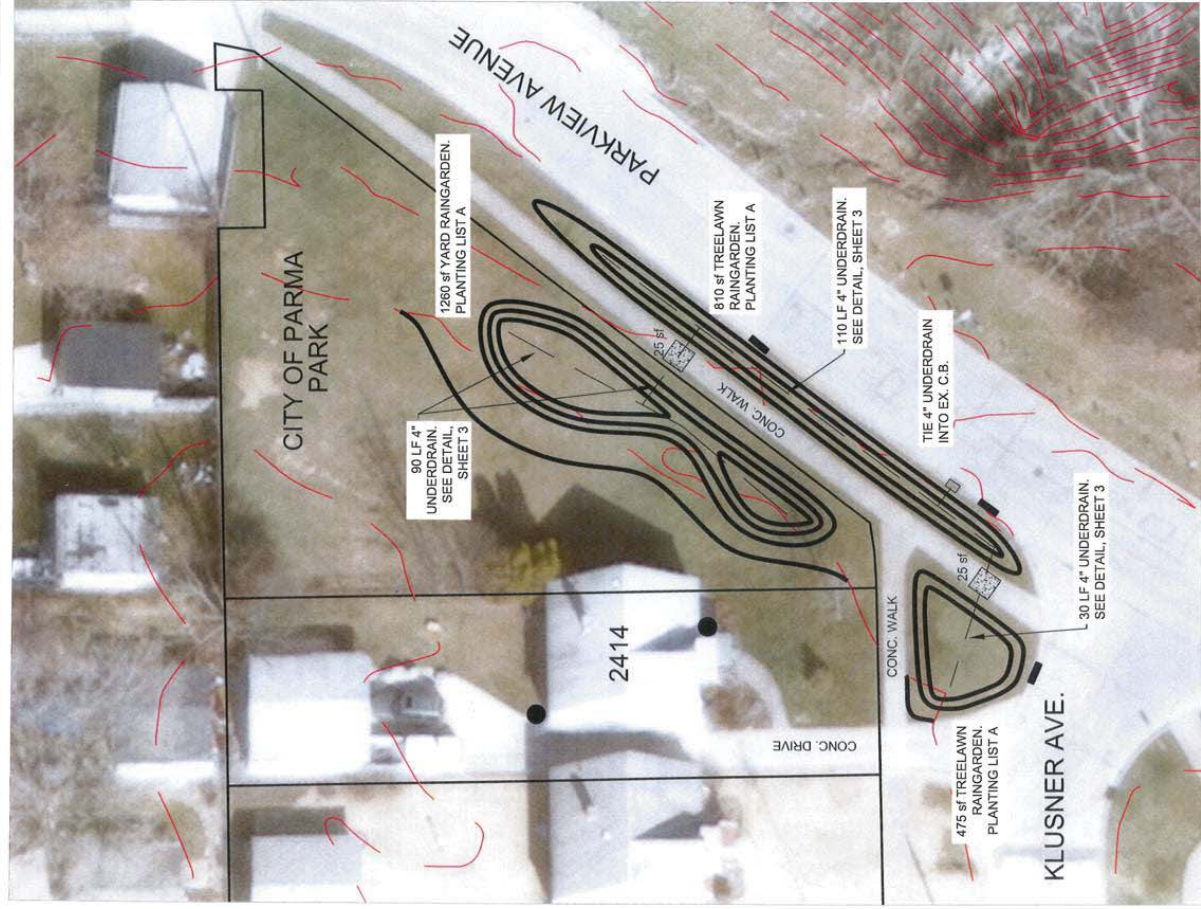
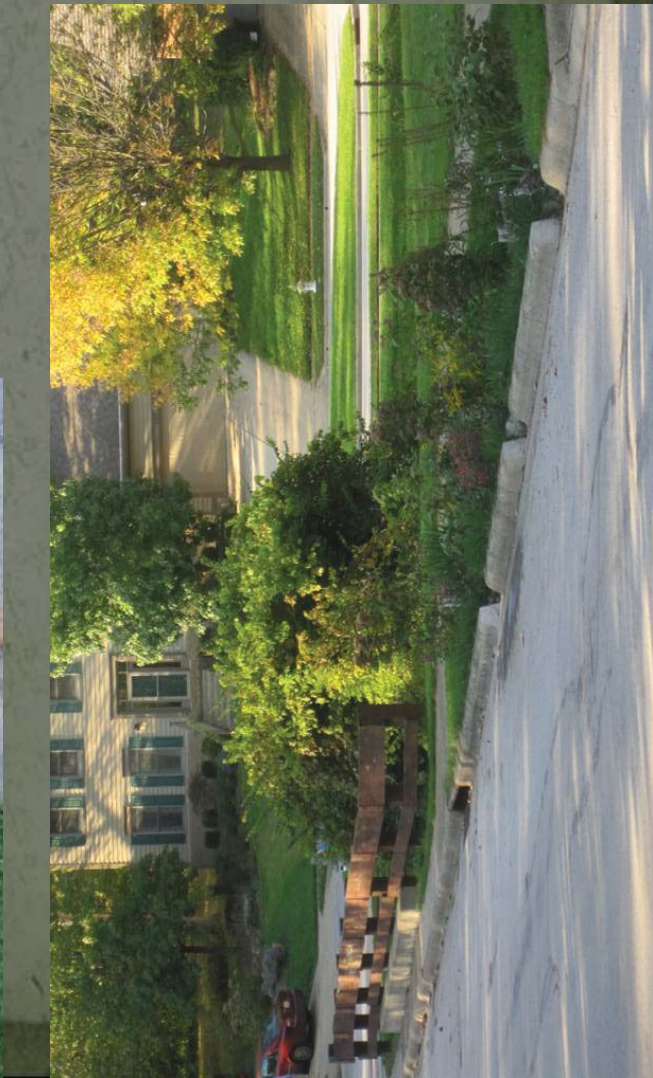
As an urban land conservancy and watershed management organization, WCPC has the perpetual responsibility to manage and maintain a large amount of land, recreational trails, and other installations. Aside from utilizing internal resources, it has been a strong suit of the organization to pull in external resources when needed. With a strong network of partners, each with a specific niche and function, it is important to utilize such partners especially when financial resources are tight across the board – all which help reduce redundancy of expenses.

It is also important to note that with the partnership of Cleveland Metroparks and the City of Parma, as well as the neighborhood residents, we will have an additional opportunity to coordinate maintenance and operation of such practices.

**4) Budget and Summary Worksheet**

<b>Expenses</b>	<b>Value of In-Kind Service or Materials</b>	<b>Budget Request</b>	<b>Total Costs</b>
Labor		<b>\$5,500</b>	<b>\$5,500</b>
Materials		<b>\$3,000</b>	<b>\$3,000</b>
Equipment Rental			
Plants		<b>\$4,500</b>	<b>\$4,500</b>
Other	<b>\$2,000</b>	<b>\$500</b>	<b>\$2,500</b>
<b>Funding Totals</b>	<b>\$2,000</b>	<b>\$13,500</b>	<b>\$15,500</b>





- LEGEND**
- PROPOSED RAINBARREL. SEE TYPICAL DETAIL, SHEET 3
  - ▬ PROPOSED CONCRETE CURB CUT. SEE TYPICAL DETAIL, SHEET 3
  - ▨ PROPOSED SIDEWALK REPLACEMENT. SEE TYPICAL DETAIL, SHEET 3
  - ▩ PROPOSED DRIVEWAY REPLACEMENT. SEE TYPICAL DETAIL, SHEET 3
  - PROPOSED CONTOUR
  - EXISTING CONTOUR



WEST CREEK NEIGHBORHOOD RETROFITS



SITE PLAN  
2414 KLUSNER & CITY PARK



SEAN P. BRENNAN  
PRESIDENT OF CITY COUNCIL  
Email: [councilmanbrennan@sbcglobal.net](mailto:councilmanbrennan@sbcglobal.net)



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August 16, 2012

NEORS  
Attn: Linda Mack  
3900 Euclid Avenue  
Cleveland, OH 44115

RE: WCPC S3DP Grant Application  
*Park Drive Demonstration Project*

Dear Ms. Mack,

Please accept this letter on behalf of the City of Parma in full support of West Creek Preservation Committee's S3DP grant application entitled – *Park Drive Demonstration Project*. WCPC and the City of Parma have a long standing and successful partnership in many facets of collaboration, including but not limited to greenspace preservation (the West Creek Reservation and Greenway), stream and wetland restoration, policy adoption, land use planning, trail development and best management practice implementation.

WCPC is an aggressive, yet very practicable organization that has added tremendous resources to the City and region. Though stormwater and non-point pollution have always been an issue in urban areas, only recently have we been able to grasp the true potential to manage and in some cases prevent it from entering our precious waterways. WCPC's *Park Drive Demonstration Project* is a prime example of how to utilize a vacant or otherwise unimproved parcel to the betterment of the community, plus it will vibrantly complement the project being undertaken on the entirety of Klusner Avenue by Cleveland Metroparks.

This project not only engages the neighbors of the property, but the neighborhood as a whole as well as the City. Vacant land has an unflattering stigma to it, but with the potential to utilize a parcel that is part of a larger system to control stormwater, while creating an aesthetic asset in the community, we are able to demonstrate the dual benefit of such an initiative.

Lastly, we anticipate that WCPC's efforts such as this become a replicable model to locally manage significant stormwater volumes, decreasing the erosive and damaging forces of floodwaters. Thank you for giving WCPC this unique opportunity and if you have any questions or require additional information, please feel free to contact me at 440-885-8091.

Sincerely,

Sean P. Brennan  
President of Council