

Invoice

Chagrin River Watershed Partners, Inc.
P.O. Box 229
Willoughby OH 44096-0229

Date	Invoice #
1/8/2018	1369

Bill To
Russell Township 8501 Kinsman Road PO Box 522 Novelty, OH 44072

	Description		Amount
	January 1, 2018 through December 31, 2018 CRWP Member Dues		3,445.00
Total			\$3,445.00

MAKE CHECKS PAYABLE TO:
Chagrin River Watershed Partners, Inc.
P.O. Box 229
Willoughby, Ohio 44096-0229

We're all in it Together - Assuring a Sustainable
Future for the Chagrin River Watershed
Thank you very much for your support!



January 8, 2018

CHAGRIN RIVER WATERSHED PARTNERS, INC.
2017 SERVICE REPORT AND 2018 PROPOSED SERVICES
FOR RUSSELL TOWNSHIP

Below is a summary of services Chagrin River Watershed Partners, Inc. (CRWP) provided to Russell Township in 2017 and suggested services for 2018. Please feel free to contact CRWP regarding any needs for which you would like our assistance. Over its 21-year history, CRWP has secured and helped its members secure grant funding for projects totaling over \$41.9 million.

FLOODING, EROSION & WATER POLLUTION PREVENTION

CRWP assists our members with stormwater management, erosion control, and flood mitigation projects and helps them leverage funding to solve flooding and erosion problems.

Grant Application Assistance and Project Management

2017 Services

1. CRWP assisted the Township and residents in evaluating erosion along Griswold Creek on Hillbrook Drive.

Proposed 2018 Services

1. CRWP is available to assist Russell Township with planning and scoping potential projects and can assist with preparation of grant applications as requested.

Cost-share Assistance for Private Properties

In 2017, CRWP was awarded a \$198,505 grant by the Great Lakes Commission through the Great Lakes Sediment and Nutrient Reduction Program (www.keepingitontheland.net). The grant provides cost-share funding for private property owners in eligible subwatersheds of the Chagrin River (East Branch-Chagrin River, Beaver Creek-Chagrin River, Silver Creek, and Headwaters Aurora Branch) to participate in this program. Portions of Russell Township are eligible for cost-share assistance to stabilize streambanks using bioengineering techniques and all-weather paddocks (heavy use pads) for equine properties. If you know of any landowners who might benefit from this project, please refer them to Alicia Beattie at (440) 975-3870 or abeattie@crwp.org.



January 8, 2018

Phase II Stormwater Technical Assistance

CRWP assists Russell Township in complying with the requirements of the Ohio EPA NPDES Phase II Municipal Separate Storm Sewer System (MS4) Permit. CRWP advises members in the preparation of annual reports and on meeting Storm Water Management Program requirements, suggests changes to improve programs, and provides assistance and support related to Phase II Minimum Control Measures (MCMs). Services marked with an * on this report can be used to populate your annual report to Ohio EPA, which is due on April 1, 2018. Russell Township is a co-permittee of Geauga County, and the County prepares your report. CRWP will provide a list of its Phase II services for Russell Township to Geauga Soil & Water Conservation District for inclusion in Geauga County's annual report to Ohio EPA. If you have any questions about CRWP's Phase II assistance, please contact Christina Znidarsic at cznidarsic@crwp.org or 440-975-3870.

NATURAL AREA PROTECTION AND RESTORATION

CRWP helps our members protect and restore wetlands, streams, and other natural areas so that they can provide flood storage and water quality services and minimize erosion problems.

Grant Application Assistance and Project Management

2017 Services

1. CRWP provided a review of and recommendations for Laurel School's Environmental Management Plan 2017 Annual Update.
2. CRWP discussed potential mitigation funding for wetland enhancement on a Township owned parcel with Roy Podojil of the Russell Township park board.

Proposed 2018 Services

1. CRWP is available to assist Russell Township with planning and scoping potential projects and can assist with preparation of grant applications as requested.
2. CRWP can assist Russell Township with grant applications for native tree plantings, especially in riparian areas.

Stream and Wetland Restoration Performance Assessment

With funding from the Ohio Department of Natural Resources (ODNR) Office of Coastal Management, CRWP assessed the long-term performance of 15 past stream and wetland restoration projects in member



January 8, 2018

communities. In cases where projects are not functioning optimally, we will work with communities and partners to identify remedies and funding sources. We will develop a technical report summarizing findings and recommendations to enhance long term performance of stream and wetland restoration projects and a model restoration assessment checklist. Two half-day trainings on restoration performance will be designed and offered for natural resource professionals and community representatives involved with planning, management or monitoring of restoration projects. For more information about this project, contact Kimberly Brewster at kbrewster@crwp.org or (440) 975-3870.

Increasing Forest Resilience

CRWP received a \$181,152 grant from the Wildlife Conservation Society Climate Adaptation Fund to increase the health and resilience of 500 acres of forests buffering coldwater and other high-quality streams in the Chagrin River and Grand River watersheds. Tools and management techniques will be shared with practitioners throughout the region. Project partners include: Holden Forests & Gardens, Cleveland Metroparks, Lake Metroparks, Geauga Park District, Lake County Soil and Water Conservation District, Lake Erie Allegheny Partnership for Biodiversity, Think Media Studios, Cleveland Museum of Natural History Trout Club, Western Reserve Land Conservancy, Dominion, Old Woman Creek National Estuarine Research Reserve, Lake County Stormwater Management Department, the Village of Gates Mills, the Village of Moreland Hills, and the Ohio Central Basin Steelheaders. Please contact Alicia Beattie at abeattie@crwp.org or (440) 975-3870 for more information about this project.

CONSERVATION, RESTORATION, & PREPAREDNESS PLANNING

Planning helps communities prevent future flooding and erosion problems. It is cheaper and easier to plan site development away from risk-prone areas than to react to flooding and erosion problems after development occurs with hard armoring, stormwater structures, and repetitive building and repair. CRWP has leveraged Healthy Watersheds Consortium funding from the U.S. Endowment for Forestry and Communities to provide additional CRWP staff assistance to communities to protect the Chagrin River through planning, local codes, conservation easements, and property acquisition.

Model Regulation Adoption and Implementation

CRWP has developed model regulations for riparian and wetland setbacks, erosion and sediment control, comprehensive stormwater management, conservation development, illicit discharge detection, flood damage reduction with higher standards (ODNR) and off-street parking. CRWP is available to assist Russell Township with code adoption and implementation including participating in meetings and discussions with community staff and officials.



January 8, 2018

2017 Services

1. CRWP answered questions from Rob Morgan about setback distances from wetlands related to a project near Russell Fire Dept. he was conducting for Russell.

Proposed 2018 Services

1. CRWP can assist Russell Township with implementation of riparian and wetland setback codes which can preserve the flood control, erosion control, and water quality protection functions of riparian areas and wetlands. Implementation assistance can include site plan review, code interpretation, site visits, and variance request review.
2. CRWP can present to Planning Commission on CRWP's model codes.
3. CRWP can assist Russell Township with tailoring, adoption and implementation of its model conservation development code.
4. CRWP can assist Russell Township with implementation of erosion and sediment control and comprehensive stormwater management codes.
5. CRWP is available to work with communities to review current parking codes and standards, and provide updates that can minimize impervious cover and improve stormwater management.

Plan Review

CRWP reviews site plans for proposed developments, stormwater control measures and natural resource restoration.

2017 Services

1. CRWP assisted Russell Township with updates to its *Comprehensive Land Use Guide Plan*.

Proposed 2018 Services

1. CRWP is available to review and comment on plans to assist the community in determining compliance with local codes and some state and federal regulations. This review will serve as a supplement to the Russell Township's standard review process.



January 8, 2018

Watershed Planning

2017 Services

1. In 2017, CRWP wrote and received US EPA and Ohio EPA endorsement of Nonpoint Source Implementation Strategy (NPS-IS) plans for 6 Chagrin River subwatersheds, including plans for the McFarland - Aurora Branch, Silver Creek, Beaver Creek – Chagrin River and Griswold Creek – Chagrin River subwatersheds in Russell Township. Projects must be included in an approved NPS-IS plan to be eligible for US EPA and Ohio EPA funding. Please contact Christina Znidarsic at cznidarsic@crwp.org or (440) 975-3870 if you would like to add a project to one of these NPS-IS plans.

Proposed 2018 Services

1. CRWP is available to assist Russell Township and relevant agencies with hazard mitigation planning and comprehensive plans.

COMMUNITY & LANDOWNER ENGAGEMENT

CRWP performs site visits for property owners to discuss concerns and provide technical recommendations for addressing streambank erosion, drainage problems, zoning codes, and stormwater control measures. CRWP also provides training for community staff members. CRWP presents educational information on watershed issues to resident groups with the community's approval.

Private Property Site Visits and Technical Recommendations

2017 Services

1. *CRWP conducted a site visit to 7821 and 7847 Kinsman Road and provided technical recommendations regarding environmental considerations for construction of a residence and pond on the properties. Recommendations included best management practices for protection of natural resources including removal of tree debris and revegetation, native plant lists, management of invasive plants, site soils information, recommendations to site structures away from streams and wetlands, Township riparian setback regulation requirements and management of hillside erosion.
2. *CRWP conducted a site visit to 14759 Hillbrook Lane North and provided recommendations to assist the landowner with addressing concerns related to a log jam on Griswold Creek and roadside drainage. CRWP provided the landowner with a list of firms that may be able to remove the log jam and permitting requirements and relayed the landowner's concerns to Russell Township Road Superintendent Gene Layne.



January 8, 2018

3. A consultant working for Richard and Gail Bowen, property owners of 14926 Hillbrook Drive, contacted CRWP regarding streambank erosion occurring along Griswold Creek near the roadway. CRWP advised Russell Township Road Superintendent, Gene Lane and Township Trustee Justin Madden of this resident concern and offered to advise the Township on potential streambank stabilization techniques and assist with applying for grant funds that could potentially reduce the Township's streambank stabilization costs.
4. Christine Gibbons contacted CRWP with concerns regarding falling water level at a pond located along Hillbrook Lane East at the end of Hillbrook Lane South. The pond was not located on Ms. Gibbons property. CRWP staff advised her that CRWP does not have the authority to investigate concerns on private property unless the property owner requests our assistance.
5. *CRWP assisted Mrs. Myrle Blackburn of 7310 Stump Hollow Lane with management recommendations for plantings installed on her property through CRWP's small grant from the Great Lakes Commission. Mrs. Blackburn expressed concern about the aesthetic impact of shrubs along Griswold Creek and the current path of the stream. The shrubs that CRWP planted in 2014 along Griswold Creek have established well and have been successful in minimizing streambank erosion. Because the shrubs were planted with grant funds intended to minimize soil erosion and the shrubs are serving this function, staff advised Mrs. Blackburn that CRWP could not authorize their removal. CRWP could authorize transplanting shrubs from the island area to another location in the planting zone such as the streambanks. CRWP provided contact information for firms that could provide transplantation services. CRWP suggested the stream on Mrs. Blackburn's property could still benefit from natural channel design stream restoration, advised her of local, state and federal requirements for this type of project and offered to provide a list of firms with stream restoration experience.
6. *A Russell resident attended a CRWP presentation on watershed planning for the Headwaters Aurora Branch subwatershed on April 13, 2017.
7. CRWP sent information on watershed and wildlife management internship resources to Township resident Jim Dickinson.

Proposed 2018 Services

1. CRWP will provide site visits and technical assistance to Russell Township residents, businesses and officials upon request.
2. CRWP is available to present to Russell Township residents on topics such as rain gardens, rain barrels, native landscaping, streamside management, and stormwater pond maintenance. For a comprehensive list of topics and suggestions for presentations, visit

our website at <http://www.crwp.org/index.php/member-services>. We can also work with Russell Township on tailoring a presentation to meet your specific needs.

3. CRWP can provide articles related to watershed and natural resource management topics to Russell Township staff via e-mail for inclusion into community newsletters or websites. CRWP can also provide quick tips for stormwater management that can be included in utility bills, newsletters, websites, or e-mail blasts.

Technical Workshops and Presentations for Community Staff and Professionals

CRWP offers presentations, trainings and workshops tailored to community needs on topics such as operation and maintenance of stormwater control measures, rain gardens, flood resiliency, low impact development and green infrastructure.

1. CRWP participates in the Northeast Ohio Stormwater Training Council, a consortium of 28 agencies and organizations that coordinate stormwater training for Phase II communities. CRWP helped facilitate the “Developing Effective Municipal Stormwater Incentive Programs” workshop on June 28, 2017 available to Russell Township staff and officials.
2. CRWP helped facilitate the “National Flood Insurance Program's Community Rating System Community Resilience Workshop” on September 21, 2017 at Orange Village available to Russell Township staff and officials.
3. CRWP provides educational presentations for member community staff and officials at its quarterly board meetings
 - a) CRWP’s February 16, 2017 Board meeting included presentations on Ohio stormwater fee credit programs and watershed planning for Chagrin River subwatersheds. Gary Gabram attended.
 - b) CRWP’s May 18, 2017 Board meeting included a presentation on CRWP’s assistance to communities with site plan reviews. Justin Madden attended.
 - c) CRWP’s September 19, 2017 Board meeting included a presentation on CRWP’s technical assistance to landowners regarding erosion and flooding.
 - d) CRWP’s December 14, 2017 Board meeting included a presentation on the benefits of adopting riparian and wetland setback codes and CRWP’s technical assistance to community planning and zoning commissions with implementing these codes.
4. CRWP presented at the Ohio Stormwater Conference on Ohio stormwater fee credit programs and maintaining stormwater control measures.



January 8, 2018

PARKS & OPEN SPACE

CRWP assists its members with park planning and grant writing for open space acquisition and park improvements. Open spaces, especially wetlands, streams, and riparian areas, provide flood storage benefits to communities. Open spaces also improve human health and quality of life. CRWP has assisted members with acquiring and improving passive and active parks.

Grant Application Assistance and Project Management

2017 Services

1. CRWP assisted Russell Township with a successful ODNR NatureWorks grant application for a walking path at the Township's Veteran's Memorial Garden.

Proposed 2018 Services

1. CRWP can assist with preparation of grant applications for open space acquisition or park improvements as requested.

Additional information and resources about CRWP's member services are available at <http://www.crwp.org/index.php/member-services>