KANSAS STORMWATER 2019 ANNUAL REPORT FORM FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)

Please place an "X" in the left box if any information has changed from previous years

☐	Permittee [Agency Name] Mailing Address 1:	4600 W 51st Street
☐	Mailing Address 2:	
☐	Municipality:	Roeland Park
	State:	Kansas
☐	Zip Code:	66205
☐	MS4 Program Contact - Person:	Donnie Scharff
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☐	Contact Phone Number:	M-M035-SU01
☐	Kansas Permit Number: — Ex. M-MC21-SU01	4600 W 51st Street

Reporting period covers activities from January 1, 2019 through December 31, 2019.

This annual report must be submitted to the Kansas Department of Health and Environment (KDHE) by February 28th, 2019. The annual report is to be submitted as PDF files to KDHE preferably on a standard compact disk (CD) or digital versatile disk (DVD). If the permittee does not have the ability to provide the files in a CD or DVD, a flash drive can be submitted. Some permittees provide additional hard copy submissions of the annual r or supplemental documents along with the electronic files. There is no requirement to provide hard copies of any documents other than a simple transmittal letter.

IN ADDITION, provide the following:

1. A current copy of the Stormwater Management Program (SMP) Document as a PDF file along with the Annual Report.

   Provided separately.

2. Include an executive summary to this report which briefly covers the major aspects of the MS4 stormwater management program enacted during the year. In completing the executive summary, the preparer should address the following questions:

   1. Were there any aspects of the program that appeared especially effective at reducing pollutants in your stormwater discharge?
   2. Were there any aspects of the program that provided unsatisfactory results?
   3. What was the most successful part of the program?
   4. What was the most challenging aspect of the program?
   5. Describe any City/County area MS4 clean-ups and the participation.
   6. Describe the elected officials' participation in the stormwater pollution elimination.
   7. Describe the collaboration with other organizations to eliminate stormwater pollution.
   8. If an audit/inspection of your MS4 program was conducted by EPA or KDHE during the year, list the items the audit/inspection report identified as required changes and provide a narrative explanation of how the changes were implemented or explain the plan to implement the changes and identify a target date for final implementation.

   The executive summary does not need to be extensive and detailed. It is anticipated the executive summaries will range from one half of a page to two pages in length depending on the scope of the program.

   Provided separately.

3. Any new stormwater ordinances/resolutions or revised ordinances/resolutions which have not already been submitted to KDHE for review and retention.

   No new stormwater ordinances or revisions for 2019.

This template annual report document (basic report) for the 2018 reporting period has changed from the annual report format used in previous years. This document focuses on the core aspects of permit requirements including the Stormwater Management Program, the Six Minimum Control Measures (Public Education and Outreach, Public Involvement and Participation, Illicit Discharge Detection and Elimination, Construction Site Stormwater Runoff Control, Post-Construction Stormwater Management in New Development and Redevelopment Projects, and Pollution Prevention/Good Housekeeping for Municipal Operations), Total Maximum Daily Load (TMDL) Best Management Practices and TMDL wet weather monitoring. Additionally, for Phase I permittees a program to monitor their listed industrial facilities is required. Although any failure to comply with a requirement of the MS4 National Pollutant Discharge Elimination System (NPDES) permit may expose the permittee to enforcement action by either the permitting authority (Kansas Department of Health and Environment) or by the Environmental Protection Agency, the failure to implement the core aspects of the permit likely increases the risk of not only enforcement but also of incurring a monetary penalty.

The permittee is well advised to accurately report the conditions and status of their stormwater program and give due consideration to improving or enhancing their program where it is weak, or deficient in any of the core aspects (stormwater management program, six minimum control measures and TMDL best management practices – if applicable – also for Phase I permittees monitoring industrial facilities).

TOPICS REQUIRED TO BE ADDRESSED IN THIS REPORT AS IDENTIFIED IN PART V OF THE PERMIT

Within the next one or two pages, or perhaps more if so desired, provide comments addressing the following items:

1. Provide the status of compliance with permit conditions, an assessment of the appropriateness of the implemented Best Management Practices, progress towards achieving the statutory goal of reducing the discharge of pollutants to the maximum extent practicable (MEP), and the measurable goals with an indication of the progress toward meeting the goals for each of the six minimum control measures.

Public Education and Outreach

The JCSMP contracts with the Friends of the Kaw to present water quality data collection and analyses to middle school aged students through their "Kids About Water" programming. Through this programming, students learn about watersheds and water quality indicators of stormwater pollution. The students visit streams to collect and analyze water samples and macroinvertebrate populations. Hocker Grove Middle School had 104 students participate in 2019. Attendance record in the appendix.

Free soil testing is provided to residents to educate them that applying fertilizer without a current soil test can result in over application and excessive nutrient runoff. A total of 9 residents for 2019 received a report with recommended rates of application and proper timing. As well as a general stormwater quality awareness pamphlet educating homeowners on lawn and garden best management practices

The city of Roeland Park sends a bi-monthly newsletter to the residents. In the Oct/Nov 2019 newsletter topics included: Sustainable Landscape Solutions and advertising the Contain the Rain & Fall Leaf Pickup Programs (advertisements are attached in Appendix).

In addition to any Roeland Park specific BMPs for Public Education and Outreach, the JCSMP sponsored a variety of BMP's on behalf of all MS4 permitted cities in Johnson County. The public education and outreach BMP's ranged from traditional face-to-face classroom education and at community events to more far-reaching print, social media, and web-based outreach. Details are provided in the Appendix.

At this time there are no concerns that would justify a change in BMPs.

Public Involvement and Participation

By getting residents directly involved, we educate them on stormwater pollution, improve the environment and promote community ownership of stormwater quality problems and solutions. In cooperation with the JCSMP, the BMP cost-share program

and free soil testing were made available to residents. This encouraged them to incorporate BMPs on their property to reduce the discharge of stormwater runoff. A Rain Garden workshop with 13 participants was held at the City's Community Center in September 2019. In addition, 4 residents took advantage of the Homeowner Stormwater BMP Cost Share program totaling $2000 in reimbursements. This is a big improvement compared to the previous year. In addition, partnered programs included trash pickup at parks.

At this time there are no concerns that would justify a change in BMPs.

Illicit Discharge Detection and Elimination

The City of Roeland Park passed an ordinance which prohibits non-stormwater discharges into the storm sewer system. This ordinance was passed on 04/08/2006. In 2019, there were no known violations. At this time there are no concerns that would justify a change in BMPs.

Construction Site Stormwater Runoff Control

The Construction Site Stormwater Runoff Control Program requires sites disturbing one (1) acre or more to have erosion and sediment control plans which are reviewed based on standard specifications, details and a plan review checklist. Inspection and enforcement actions are tracked. Rosewood street reconstruction project was recently finished, passing all the required inspections. The SWPPP with completed site inspections are provided in the Appendix.

At this time there are no concerns that would justify a change in BMPs.

Post-Construction Stormwater Management in New Development and Redevelopment Projects

The city of Roeland Park has passed an ordinance requiring control of stormwater runoff from new development and redevelopment projects that disturb greater than one acre of land, and requirements for long-term maintenance of structural controls. The City has also adopted procedures track the location of all structural controls and the contact information for the person responsible for long-term maintenance. We feel these BMP's are appropriate for this MCM and the local populations. Our ordinance gives the city the enforcement tools necessary to require owners to install and maintain post construction runoff controls.

A review and update of ordinances is anticipated in 2020. No change is necessary.

Pollution Prevention/Good Housekeeping for Municipal Operations

The city of Roeland Park started quarterly inspections with its newly adopted Public Works Municipal Facility SWPPP. The last inspection was on November 15, 2019 with no reported spills, no issues or updates needed to the program. Annual training was provided to 7 city employees regarding keeping stormwater clean.

At this time there are no concerns that would justify a change in BMPs.

2. Provide results of information collected and analyzed, (for example test results, surveys, or public comments/input) during the annual reporting period. This may include monitoring data used to assess the success of best management practices with respect to reduction in pollutant discharge. Include an interpretation of the information which addresses success or failure of the portion of the program for which the information applies.

   Roeland Park teamed up with Johnson County and Bridging the Gap reimbursing up to $1,000 to 4 residents who applied and installed sustainable landscape solutions. One rain garden was installed, and 3 native plants/ trees were planted. This is a big improvement compared to 0 the previous year. The Fall newsletter advertisement of this Grant contributed to the increase whereas last year it was not publicized in the newsletter.

3. Provide results of information collected and analyzed, if any, during the annual reporting period, including monitoring data used to assess the success of the program at reducing the TMDL regulated pollutants.

   The city of Roeland Park does not monitor TMDL's however, pet waste bags increased 50% from the previous year and hope it contributes to reducing pet waste runoff from entering streams.

4. Provide a summary of the stormwater activities that were scheduled to be undertaken during the previous calendar year and the status of these activities.

   1. *A stormwater management page on the Public Works webpage was recently added and provides the SMP and previous submitted MS4 annual reports. Also provided is the Public Works Director email for public comments to be submitted. This will be a measurable effort for the following year. The public will be able to comment on the City's 2021 SMP at the end of the year.*
   2. *BMP 4.1 was to be updated in 2018. BMP 4.1 is a duplicate to BMP 5.1 and has been modified to include a more appropriate BMP for MCM#4.*
   3. *Two BMPs within the Post Construction Stormwater Management in New Development and Redevelopment control measure were scheduled to have an estimated target date of 2019. These BMPs will be addressed for the next reporting period at the same time as the new 2020 Stormwater Management Plan will be completed. The two BMP's include:*
      - *The City Attorney to review and update abatement procedures to include provisions that allow the city to abate problem facilities if necessary.*
      - *To develop an inventory detailing the types and locations of planned and installed post-construction BMPs and to be maintained by the Public Works Department.*

5. Provide a summary of the stormwater activities which are scheduled to be undertaken during the next calendar year (including an implementation schedule).

   All outstanding BMPs will be completed and a new 2021 SMP is scheduled to be completed to follow the new point system. The City partners with Johnson County and will follow their schedule throughout the year to get the 2021 SMP completed.

For the covered period of 2020, we plan to amend the current 2015-2019 SMP with the following changes (See Amended SMP provided):

1. *Add a BMP to the MCM#1. Public Education and Outreach. The City's stormwater webpage will include educational information on stormwater pollution and list the active BMP's in the City. The City will partner with MARC to get educational videos and information for the website. This BMP will be measured by the number of visitors during the reporting period.*
2. *Change the BMP 4.1 MCM#4. Adjusted Target Data to 2020 to review and update design standards/ordinances.*
3. *Update BMP 5.1 MCM#5. Adjusted Target Data to 2020 to review and update design standards/ordinances.*
4. *Update BMP 5.5 MCM#5 adjust Target Date to 2021 and to meet requirements of new point system BMP.*
5. *Add a BMP to MCM#3. Illicit Discharges. Storm sewer system / drainage channel-ditch Inspection.*

6. Provide a map showing changes in the permittee's Permit Area if the permit area has changed within the year.

   No changes for 2019.

7. Provide a description of significant changes in any of the BMPs.

   None this period

8. Provide a list of any ordinances or resolutions which were updated in the last year and are associated with the SMP. Please note, page on of this report requires submission of any new stormwater related ordinances or resolutions or any such updated ordinances or resolution be submitted with this annual report.

   No ordinances/resolutions were updated for 2019.

9. Provide a list of other parties (such as other municipalities or consultants), which are responsible for implementing any of the program areas of the Stormwater Management Program.

   The City of Roeland Park is ultimately responsible for permit compliance, however assistance with various program areas of the SMP were provided by the following entities:

   - *TMDL Monitoring: U.S. Geological Survey, Kansas Water Science Center, JCSMP*
   - *MCM1: Johnson County K-State Research and Extension, JCSMP, Blue River Watershed Association,*
   - *Bridging the Gap, Friends of the Kaw, Olathe North High School, Stone Lion Puppet Theater, and MARC.*
   - *MCM2: K-State Research and Extension, Olathe North High School, and JCSMP*
   - *MCM3: JCSMP, JCDHE, and JCW*
   - *MCM4: JCSMP, Johnson County Contractor Licensing*

Record Keeping and Reporting: Assistance provided by JCSMP

10. For Phase I permittees only, provide a summary of the inspection results, including the wet weather surface water quality monitoring test results, and information obtained under PART III Monitoring Industrial Stormwater Discharges section of this permit.

NA

SIX MINIMUM CONTROL MEASURES FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s) WITH NPDES PERMITS

The following outlines the NPDES permit requirements for implementation of the Six Minimum Control Measures as required under Kansas MS4 permits issued by the KDHE. The NPDES permit provided to the MS4 authority should be reviewed for additional requirements associated with implementation of the Six Minimum Control Measures such as deadlines for the implementation of the requirements or supplemental requirements associated with the individual measures. The general requirements are as follows:

A. Six Minimum Controls — The permittee shall develop and implement Best Management Practices (BMP's) with measurable goals for each of the six minimum control measures. The six minimum control measures and the associated requirements are listed and explained as follows:

1. **Public Education and Outreach**

   The permittee shall implement a public education program which includes distribution of educational materials to the community or conducting equivalent outreach activities which address the impacts of stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

2. **Public Involvement and Participation**

   The permittee shall implement a public involvement and participation program to solicit public comment and recommendations regarding the BMP's and measurable goals utilized by the permittee to comply with the permit. The permittee shall comply with state and local public notice requirements when implementing a public involvement and participation program.

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3. Illicit Discharge Detection and Elimination

The permittee shall:

a. develop, implement and enforce a program to detect and eliminate illicit discharges into the MS4;

b. Develop a storm sewer system map of the permittee's MS4, showing the location of all outfalls, either pipes or open channel drainage, showing the names and location of all streams or lakes that receive discharges from those outfalls. A copy of the map shall be submitted to KDHE. This map may be submitted as a PDF file(s) on a CD or DVD.

c. Enact ordinances or resolutions to prohibit non-stormwater discharges into the storm sewer system and implement appropriate enforcement procedures and actions if the permittee has such authority. A copy of the ordinances or resolutions shall be submitted to KDHE.

d. Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste; and

e. Develop and implement a plan to detect and address prohibited non-stormwater discharges, including but not limited to illegal dumping, to the storm sewer system. Unless identified by either the permittee or KDHE as a significant source of pollutants to waters of the state, the following examples of non-stormwater discharges are not prohibited from entering the MS4:

1. Water line flushing
2. Diverted stream flow
3. Rising groundwaters
4. Uncontaminated groundwater infiltration as defined under 40 CFR 35.2005(20) to separate storm sewers
5. Uncontaminated pumped groundwater
6. Contaminated groundwater if authorized by KDHE and approved by the municipality
7. Discharges from potable water sources
8. Foundation drains
9. Air conditioning condensate
10. Irrigation waters
11. Springs
12. Water from crawl space pumps
13. Footing drains
14. Lawn watering
15. Individual residential car washing
16. Occasional not-for-profit car wash activities
17. Flows from riparian habits and wetlands
18. Dechlorinated swimming pool discharges excluding filter backwash
19. Street wash waters (excluding street sweepings which have been removed from the street)
20. Discharges of flows from firefighting activities
21. Heat pump discharge waters (residential only)
22. Treated wastewater meeting requirements of a NPDES permit
23. Sump pump drains
24. Other discharges determined not to be a significant source of pollutants to waters of the state, a public health hazard, or a nuisance

4. Construction Site Stormwater Runoff Control

The permittee shall develop, implement, and enforce a program to reduce pollutants in any stormwater runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of stormwater discharges from construction activity disturbing less than one acre must be included in the program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. The program must include the development and implementation, at a minimum, of the following:

a. Permittees which have the authority to enact ordinances or resolutions shall enact such ordinances or resolutions to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under State and Local law;

b. Requirements for construction site owners or operators to implement appropriate erosion and sediment control best management practices;

c. Requirements for construction site owners or operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that are likely to cause adverse impacts to water quality;

d. Procedures for site plan review which incorporate consideration of potential water quality impacts;

e. Procedures for receipt and consideration of information submitted by the public;

f. Procedures for site inspection and enforcement of control measures.

5. Post-Construction Stormwater Management in New Development and Redevelopment Projects

The permittee shall develop, implement, and enforce a program to address post-construction stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development and implementation, at a minimum of the following:

a. BMP's to prevent or minimize adverse water quality impacts;

b. Strategies which include a combination of structural and/or non-structural BMP's appropriate for the municipality;

c. For permittees which have the authority, ordinances or resolutions to address post-construction runoff from new development and redevelopment projects to the extent allowable under State and local law;

d. Ensure adequate long-term operation and maintenance of BMP's

6. Pollution Prevention/Good Housekeeping for Municipal Operations

The permittee shall develop and implement an operation and maintenance program that includes employee training to prevent and reduce stormwater pollution from municipal operations activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance.

B. Stormwater Management Program

Please place an "X" in the left boxes to complete the table below.

YES	NO	N/A	
☒	☐	☐	Has the Stormwater Management Program (SMP) been developed and implemented?
☐	☒	☐	Has the SMP been modified or updated during this reporting period?
☐	☐	☒	If the answer to question 2 above was "yes," has the modified SMP been submitted to KDHE for review?

If the answer to item 3 is a "NO," a copy of the updated SMP must be submitted with this annual report. If it is anticipated a measurable goal cannot be met in the next year the SMP should be modified and submitted to KDHE for review. The modifications may include different BMP's and/or revised goals to avoid being in a position of non-compliance. However; reasonable BMP's with reasonable goals must be implemented or KDHE may require the permittee to modify the SMP to include additional or better BMP's and/or more reasonable goals.

C. Total Maximum Daily Load (TMDL) Best Management Practices (BMP's)

Some permittees are required to implement BMPs to reduce the discharge of listed TMDL regulated pollutants (potentially any or all of the following pollutants – bacteria, nutrients, and sediment)

Please place an "X" in the left boxes to complete the table below.

YES	NO	N/A	
☐	☐	☒	Were any BMP's intended to attenuate the discharge of TMDL regulated pollutants implemented? See your permit to determine if TMDL regulated pollutants are listed for the receiving stream affected by your stormwater system (TMDL Table).
☐	☐	☒	List all of the BMP's intended to attenuate the discharge of TMDL regulated pollutants as identified in the SMP and provide the requested information in the following table.

List all the TMDL BMPs as identified in the SMP and provide the requested information in the following table.

D. TMDL BMP Table — Please fill out accordingly

BMP ID NUMBER	BRIEF BMP DESCRIPTION	REGULATED TMDL PARAMETERS	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
	The City does not have an TMDL regulated pollutants to an impaired stream to target, however we implement the following BMPs to reduce to the MEP this discharge of possible TMDL pollutants from this MS4.			
	EROSION AND SEDIMENT CONTROL: Review plans, issue permits, track violations and enforcements measures.	Sediment	Number of violations Enforcement measures Documented	No violations in 2019. Rosewood Street Reconstruction and new sidewalk occurred in 2019. The city project followed the SWPPP accordingly with no violations.
	PET WASTE BAG DISPENSERS Installed in city/county parks to encourage pet owners to pick up after pets	Bacteria	Number of dispensers Number bags used.	Roeland Park has 9 dispensers with approximately 36000 bags used in 2019 Johnson County Parks have 49 dispensers with approximately 344,000 bags used for 2019
	FALL LEAF COLLECTION	Sediment	Quantity	3,325 cubic yards of leaves collected
	STREET SWEEPING & CATCH BASIN CLEANOUT/ PIPE INSPECTION	Sediment	Quantity	1,286 cubic yards of debris collected
	FREE SOIL TESTING FOR RESIDENTS: Educate residents that applying fertilizer without a current soil test can result in over application and excessive nutrient runoff.	Nutrients	Number of tests	Roeland Park- 10 tests Participants receive a custom report with recommended rates of application and proper timing. As well as a general stormwater quality awareness pamphlet educating homeowners on lawn and garden best management practices.

E. Stormwater Management Program Requirements (Six Minimum Control Measures) (CONTINUED)

1. Public Education and Outreach (Table) - Please fill out accordingly

List all of the public education and outreach BMPs as identified in the SMP and provide the requested information in the following table. (List presentations and media)

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
1.1	**DEVELOP STORMWATER RELATED EDUCATION AND OUTREACH MATERIALS**		
	In School Education	Activity and number of participants	The Friends of the KAW provided classroom instruction on water quality to 38 classes totaling approximately 1,000 upper elementary and middle school students across the county. The City of Roeland Park had: - Hocker Grove Middle School, April 2019 – 48 Students - Hocker Grove Middle School, October 2019 – 56 Students
	In School Education	Activity and number of participants	Stone Lion Puppet Theater presented 24 performances on water quality to over 7,000 elementary school students across the county. A total of 3 shows were performed at Roesland Elementary School. - Sept 2019 – 275 Students K-3rd - Nov 2019 – 60 students 2nd Grade

	The City of Roeland Park partners with the Johnson County Stormwater Management Program (JCSMP) to conduct stormwater education and outreach on a county-wide basis. The JCSMP also partners with Johnson County K-State Extension (KSE) and the Mid-America Regional Council (MARC) for some aspects of public education and outreach--including print media, radio and television, social media, websites, presentations and events	Print media: Type and number of materials distributed	Johnson County Magazine: KSE publishes ads in the Johnson County Magazine, which is distributed four times per year (approximately by season) to approximately 260,000 residences and businesses in Johnson County (advertisements are attached in Appendix A). - Winter 2019: Advertisement for Healthy Yards Expo and Free Soil test - Spring 2019: Advertisement for the free soil test opportunities for Johnson County residents. The ad includes the benefits of a soil test as guidance for proper fertilization and water quality protection and a second advertisement in this issue was "Clean water starts at home" demonstrates various stormwater pollution prevention practices that should be implemented at home. - Summer 2019: A soil test advertisement and the "Clean water starts at home" were run again in the Summer issue. - Fall 2019: Advertisement as an article about keeping leaves out of streets and gutters. The Household Hazardous Waste collection site, grass-recycling your lawn clippings, and the "Contain the Rain" rebate program for rain barrels and native plants were also featured in the "10 things you can do to make Johnson County more sustainable" article. In addition to the paid advertisements in the Johnson County Magazine, Dennis Patton publishes two articles a month in the Kansas City Star. Approximately 50% of the articles contain guidance on protecting water quality while tending a home's lawn and gardens.
	Events and Presentations	Activity and number of participants	Healthy Yards Expo: This annual event is a partnership between the JCSMP, Johnson County K-State Extension, and the cities of Lenexa, Overland Park, and Shawnee that hosts 30 vendors who promote best management practices for residential lawn care management. Eleven presentations with a total of 309 attendees were given during the day on various healthy yard topics. This year's event also featured a native plant giveaway. Native plants were given to 300 attendees. The event had approximately 1700 attendees.
1.2	**ANNUAL PROGRAM REVIEW**	Revise as required	An update is included in the interim / Amended 2020 SWP attached

E. Stormwater Management Program Requirements (Six Minimum Control Measures) (CONTINUED)

2. Public Involvement and Participation (Table) - Please fill out accordingly

List all of the public improvement and participation BMPs as identified in the SMP and provide the requested information in the following table. (List all associations and partnerships)

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
2.1	**PROMOTE COMMUNITY INVOLVEMENT IN STORMWATER QUALITY AWARENESS AND SOLUTIONS:** The JCSMP provided funding on behalf of all MS4 permitted cities in Johnson County for the following public participation programs: **FREE SOIL TESTING FOR RESIDENTS:** Educate residents that applying fertilizer without a current soil test can result in over application and excessive nutrient runoff.	Number of soil tests Education received with reports and through marketing efforts for free soil test opportunity.	***Residential by City*** • Roeland Park- 10 tests Participants receive a custom report with recommended rates of application and proper timing. As well as a general stormwater quality awareness pamphlet educating homeowners on lawn and garden best management practices.
	Events and Presentations	Activity and number of participants	Olathe North High School geosciences students present rain barre workshops to community adults. The rain barrel workshops include stormwater quality education and the participants receive a free rain barrel. In 2019, 123 residents participated in the program. **Roeland Park – 1 resident**
	HOMEOWNER BMP COST SHARE PROGRAM The JCSMP provides funding to cities to match up to 50% percent of practices that a resident can implement on their property to reduce the effects of stormwater. This program has allowed cities to encourage their residents to implement stormwater solutions at a lesser cost. Practices that are eligible for reimbursement include rain barrels, rain gardens, native plantings, native trees, and porous pavement.	Activity and number of participants	Native Planting – 3 residents Rain garden – 1 resident

	Events and Presentations	Activity and number of participants	Bridging the Gap as a part of a contract with the JCSMP provided 6 native plant workshops and 1 rain barrel workshop in 2019. The workshops were offered in different areas of the County in order to encourage participation from as many cities as possible. The locations, dates, and attendance numbers were: Native Plant Workshops: Sylvester Powell Community Center, Mission, April 25, 2019, 15 attendees Olathe Community Center, Olathe, May 30, 20 attendees Oak Park Library, Overland Park, 35 attendees Central Resource Library, Overland Park, 33 attendees **Roeland Park Community Center, Roeland Park, 13** Tomahawk Ridge Community Center, Overland Park, 12 Rain Barrel Workshop: Antioch Park, Overland Park, 17 attendees
2.2	**MECHANISM FOR CITIZEN PARTICIPATION** Post annual reports and current stormwater management plan on website or other publicly available mechanism. Provide opportunity for the public to comment on the community's stormwater management plans and regulations.	Documents published in appropriate location Public review and comment allowed	Annual report and SMP is published on City's website. https://www.roelandpark.net/367/Stormwater-Management-Plan No comments for 2019
2.3	**COMPLY WITH PUBLIC NOTICE PROVISIONS** Comply with applicable state and local public notice requirements when developing and revising the Stormwater Management Plan and Stormwater regulations. Provide opportunity for public comment and provide feedback to public comment as required	Stormwater Management plans advertised when developed and as revisions are made. Comments addressed	Stormwater management plan will be updated at end of year 2020 and will allow for public comment/ feedback before finalizing the new 2021 SMP.
2.4	**ANNUAL PROGRAM REVIEW**	As needed, note revisions in annual report and update SMP	None required

D. SMP Requirements (Six Minimum Control Measures) (Continued)

a. Illicit Discharge Detection and Elimination

Please place an "X" in the left boxes to complete the table below.

YES	NO	N/A	
☒	☐	☐	Has a program/plan been developed and is it presently implemented to detect and address illicit/prohibited discharges into the MS4?
☒	☐	☐	Has a map of the MS4 been developed, showing the location of all outfalls, either pipes or open channel drainage, showing names and location of all streams or lakes receiving discharges from the outfalls?
☒	☐	☐	The permit may require the permittee enact ordinances, or resolutions. Have ordinances, or resolutions, or regulations to prohibit non-stormwater discharges into the storm sewer system been enacted? Effective date: 4/8/2006
☐	☒	☐	Have the ordinances, resolutions, or regulations been modified? Effective date: na

List all the Illicit Discharge Detection and Elimination BMPs as identified in the SMP and provide the requested information in the following table

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E. Stormwater Management Program Requirements (Six Minimum Control Measures)

3. Illicit Discharge Detection and Elimination (Table) - Please fill out accordingly

List all of the illicit discharge detection and elimination BMPs as identified in the SMP and provide the requested information in the following table.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
3.1	**POLLUTION PREVENTION ORDINANCE** Review and update the Stormwater Pollution Prevention Ordinance and enforcement procedures as needed	Review Ordinance and provide and necessary updates.	None required
3.2	**POLLUTION PREVENTION HOTLINE** Maintain phone hotline and online mechanism for reporting illicit discharges; conduct investigations and/or forward to appropriate cities/agencies	Provided on the City Website	Yes
3.3	**IMPLEMENT A PLAN TO DETECT AND ADDRESS ILLICIT DISCHARGES** Implement plan to detect, identify the source, and eliminate non-stormwater discharges to the MS4, including passing regulations prohibiting non-stormwater discharges to the MS4.	Plans Implemented Actions Documented	Yes No actions required
	Conduct training for appropriate county staff on detecting and reporting id.	Train appropriate staff in Public Works staff annually on reporting pollution or conducting investigations	See BMP 6.2
3.4	**STORM SEWER NETWORK AND OUTFALL MAPPING** Maintain updated map of MS4 showing storm sewer outfalls and names and location of all waters of the US that receive discharges from outfall.	Map updated and submitted to KDHE	Yes

3.5	**HOUSEHOLD HAZARDOUS WASTE (HHW) PROGRAM** **HHW Collection:** The JCSMP provided supplemental financial assistance to the Johnson County Department of Health and Environment and the city of Olathe's existing HHW Collection programs. This funding allowed for an increase in drop-off appointments at both facilities that would not have otherwise been possible. (These numbers represent the previous year's annual reporting numbers for the HHW sites which is on the State of Kansas's fiscal year of July 1-June 30)	# of residents served Pounds of Hazardous Material collected	17,422 participants county-wide 1,540,022 pounds of hazardous waste collected and managed properly
3.6	**ANNUAL PROGRAM REVIEW**	As needed, note revisions in annual report and update SMP	A An update is included in the interim / Amended 2020 SWP attached

E. SMP Requirements (Six Minimum Control Measures) (Continued)

b. Construction Site Stormwater Runoff Control

Please place an "X" in the left boxes to complete the table below.

YES	NO	N/A	
☒	☐	☐	The permit requires the permittee, if they have such authority, to enact ordinances or resolutions. Have ordinances or resolutions to address construction site runoff from new development/redevelopment projects been enacted? Effective date:_9/4/2007
☒	☐	☐	Has a copy of the ordinances or resolutions been submitted to KDHE as required by the permit?
☒	☐	☐	Has a procedure or program been developed requiring construction site owners and/or operators to implement appropriate erosion and sediment control best management practices?
☒	☐	☐	Has a procedure or program been developed requiring construction site owners and/or operators to control waste such as discarded building materials, concrete truck washout, chemicals, paint, litter, and sanitary waste atconstruction sites likely to cause adverse impacts to water quality?
☒	☐	☐	Has a procedure been developed and implemented requiring site plan review which includes consideration of potential water quality impacts?
☒	☐	☐	Has a procedure been developed for the receipt andconsideration of information submitted by the public?
☒	☐	☐	Has a procedure been developed and implemented forconstruction site inspection and enforcement of the control measures?

List all the construction site stormwater runoff control BMP's as identified in the SMP and provide the requested information in the following table.

E. Stormwater Management Program Requirements (Six Minimum Control Measures)

4. Construction Site Stormwater Runoff Control (Table) - Please fill out accordingly

List all of the Site Stormwater Runoff Control BMP's as identified in the SMP and provide the requested information in the following table.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
4.1	**REGULATIONS AND STANDARDS** Review and update Erosion and Sediment Control Ordinance adopted in 2007 as needed.	Review every 2 years and update as needed	An updated ordinance(s) is in progress and is anticipated in 2020.
	Contractor Training: Provide education and informational resources for contractors licensed in Johnson County. This year the Johnson County Contractors Licensing Program offered the 8-hour the "ABCs of BMPs" class that instructs contractors on proper erosion and sediment control at construction sites. Attendees could opt to take an exam to become a "Johnson County Certified Inspector".	Number of individuals trained and certified.	140 attendees and 65 certified inspectors
4.2	**SITE PLAN REVIEW** Require an Erosion and Sediment Control Plan for any land disturbance activity equal to one acre or more.	# of ESC Plans reviewed	No development with over 1 acre disturbed. Reconstruction of Rosewood Street required a SWPPP, no violations occurred.
	Hold pre-construction meetings to clarify erosion and sediment control BMPs for site.	# of meetings	1 meeting
	Require submittal of state NOI for Stormwater Construction Runoff.	# of NOI's	1 submittal

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
4.3	**SITE INSPECTION AND ENFORCEMENT** Track construction site inspections, complaints, violations, and enforcement measures	# of inspections # of violations enforcement measures	1 Site Inspections 0 Violations No enforcement measures required
4.4	**RECEIPT OF PUBLIC INFORMATION ON CONSTRUCTION SITE COMPLIANCE** Track information received from public	Summary of information received, and actions taken	None received from public in 2018
4.5	**ANNUAL PROGRAM REVIEW**	As needed, note revisions in annual report and update SMP (as required)	An update is included in the interim / Amended 2020 SWP attached

E. SMP Requirements (Six Minimum Control Measures) (Continued)

5. Post-Construction Site Stormwater Management in New Developmentand Redevelopment

Please place an "X" in the left boxes to complete the table below.

YES	NO	N/A	
☒	☐	☐	The permit requires the permittee, if they have such authority, to enact ordinances or resolutions. Have ordinances or resolutions to address construction site runoff from new development and redevelopment projects been enacted? Effective date: 9/4/2007
☒	☐	☐	Has a copy of the ordinances or resolutions been submitted to KDHE as required by the permit?
☒	☐	☐	Has a post-construction stormwater runoff program been implemented?
☒	☐	☐	Have post-construction sites been inspected?
☒	☐	☐	Are BMP's specified to minimize adverse water quality impacts?
☒	☐	☐	Have strategies been developed to include a combination of structural and/or non-structural BMP appropriate for the municipality?
☒	☐	☐	Have measures been implemented to ensure adequate long-term operation and maintenance of structural BMP's?

List all the post-construction site stormwater management in new development and redevelopment BMPs as identified in the SMP and provide the requested information in the following table.

This section intentionally left blank

E. Stormwater Management Program Requirements (Six Minimum Control Measures)

5. Post - Construction Site Stormwater Runoff Control (Table) - Please fill out accordingly

List all of the post-construction site stormwater runoff BMPs as identified in the SMP's and provide the requested information in the following table.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
5.1	**REGULATIONS AND STANDARDS** Review and update Erosion & Sediment Control Standards and Stormwater Management Ordinance #809	Review regulation and update as needed	No revisions made in 2019, review and update of Ordinance 809 expected to occur in 2020.
	Review and update Post Construction Stormwater Management design criteria.	Review design criteria and update as needed	No revision required
5.2.	**ESTABLISH PLAN REVIEW PROCEDURES** Review and update Post Construction Stormwater Management Plan Review Checklists.	Review and update annually	No revision required
5.3	**SITE PLAN REVIEW** Implement Post-Construction Stormwater Runoff Control Program: Implement program requiring control of stormwater runoff from new development and redevelopment projects that disturb greater than one acre of land, and requirements for long-term maintenance of structural controls. Required elements of this program include:		
	a) SITE PLAN REVIEW: Ensure site plans incorporate appropriate post-construction runoff controls designed according to previously adopted standards/design manual.	Plans Reviewed	1 – Aldi Site Plan

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
5.4	b) FINAL CONSTRUCTION INSPECTION: Perform final inspection (or obtain certification from design engineer) to ensure that all post-construction runoff controls were installed according to plans and functioning as designed.	# of Construction Inspections	0
5.5	c) TRACKING SYSTEM: Maintain database (or other system) to track location and contact information of responsible party for all structural post- construction runoff controls	Database Updated	Drainage improvements are considered public improvements and in most cases part of the performance/maintenance bond process. These are tracked through electronic permitting
5.4	d) LONG TERM MAINTENANCE: Implement an inspection and enforcement program to ensure adequate long-term maintenance of structural post-construction runoff controls	# of Maintenance Inspections # of Violations Enforcement Actions Documented	1 inspection 0 violations na
	ANNUAL PROGRAM REVIEW	As needed, note revisions in annual report and update SMP (as required)	An update is included in the interim / Amended 2020 SWP attached

E. SMP Requirements (Six Minimum Control Measures) (Continued)

6.Municipal Pollution Prevention/Housekeeping

Please place an “X” in the left boxes to complete the table below.

YES	NO	N/A	
☒	☐	☐	The permit requires the permittee to enact a program to address pollution prevention/good housekeeping for Municipal Operations. Has such a program been enacted?

List all the municipal pollution prevention/housekeeping BMP’s as identified in the SMP and provide the requested information in the following table.

This section intentionally left blank

E. Stormwater Management Program Requirements (Six Minimum Control Measures) (CONTINUED)

6. Municipal Pollution Prevention / Housekeeping (Table) - Please fill out accordingly

List all of the municipal pollution prevention / housekeeping BMPs as identified in the SMP's and provide the requested information in the following table.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
6.1	**IMPLEMENT PRACTICES TO REDUCE POLLUTION FROM THE MUNICIPAL FACILITIES**		
	Design a comprehensive O&M pollutant reduction program.	Completion Date	SWPPP(s) completed Spring 2019 and is on File
	Implement a comprehensive O&M pollutant reduction program.	Facility Name/ Operation Date of last audit	Public Works Municipal Facility SWPPP implemented in Spring 2019. Last audit was at end of Nov 2019
6.2	**CONDUCT STAFF TRAINING** Design educational sessions to ensure staff is proficient in minimizing stormwater pollution from daily operations.	# of City attendees:	Training was provided to 7 PW staff employees
	ANNUAL PROGRAM REVIEW	As needed, note revisions in annual report and update SMP (as required)	An update is included in the interim / Amended 2020 SWP attached

E. SMP Requirements (Six Minimum Control Measures) (Continued)

a. **PHASE ONE OPERATORS ONLY**: Monitoring Industrial and High Risk Runoff

The permit requires the permittee to enact a program to address post-construction site stormwater runoff from new development and redevelopment.

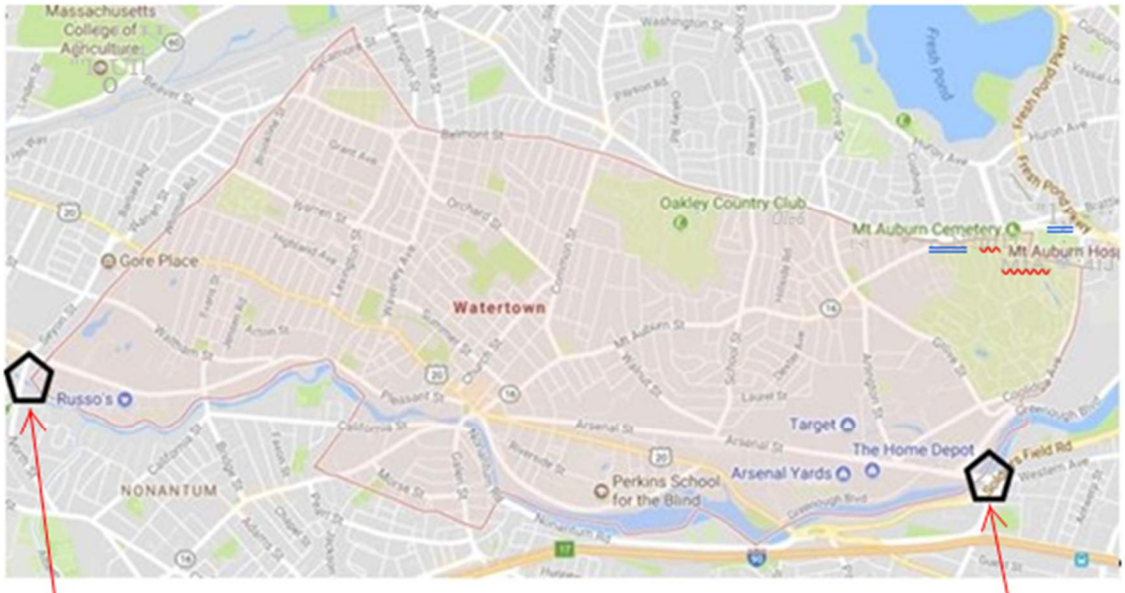
Please place an "X" in the left boxes to complete the table below.

YES	NO	N/A	
☐	☐	☒	Has the permittee developed and maintained a list of the municipal industrial facilities contributing to the pollutant loading to the MS4?
☐	☐	☒	Have at least two municipal industrial facilities on the list had inspection and sampling conducted?
☐	☐	☒	If the answer to items 1 and 2 is "No," provide a statement. _____ _____ _____

F. Recordkeeping and Reporting

Some permittees are required to monitor surface waters if the permit includes TMDL monitoring requirements for Specific Impaired Streams to Target within Part II of the permit and surface water monitoring locations are identified in a subsequent table. Provide a current map of monitoring locations and site information data in the succeeding table (expand the table if necessary to address all sites).

Example map and table below—Please fill out map and table on page 26 and adjust as needed.



Upstream Site: Farwell Street Bridge over Charles River

Downstream Site: Arsenal Street Bridge over Charles River

Local Site Name	*Farwell*	*Arsenal*
Local Site Identifier	*C1*	*C2*
Sample Location Description	*On the east side of this bridge is a pedestrian walkway where a rope and bucket are lowered to the middle of the river to obtain a sample.*	*From the bike path on the southeast end of the bridge a path extends down to the bank of the river. A 10 foot long sample pole with bucket at the end is used to reach out past littoral vegetation and obtain a sample.*
KDHE EDMR Code if Known	*Far2002C5*	*Arse1001C6*
Lat/Long Data Decimal & Degree Format		
Latitude	*42.367056°*	*42358910°*
Longitude	*-71.218089°*	*-71161087°*

Map

No monitoring requirements listed in Roeland Park's MS4 Permit

"Insert your picture (map)"

*Please clearly label upstream and downstream sites

Please fill out map and table below accordingly and review the example map and table on the previous page for reference.

*Clearly label sites as upstream or downstream which are on the same stream/river.

Sample Site Information Tables

Local Site Name		
Local Site Identifier		
Sample Location Description		
KDHE EDMR Code if Known		
Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

Local Site Name		
Local Site Identifier		
Sample Location Description		
KDHE EDMR Code if Known		
Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

Local Site Name		
Local Site Identifier		
Sample Location Description		
KDHE EDMR Code if Known		
Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

Local Site Name		
Local Site Identifier		
Sample Location Description		
KDHE EDMR Code if Known		
Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

Copy additional site information tables below as necessary to list information for all sites.

Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledgeand belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of Permittee: Ronnie Scharff **Date Signed** 2-27-2020

(Legally responsible person)

Name Printed: Ronnie Scharff **Title** Public Works Director

40 CFR 122.22 Signatories to permit applications and reports.

(a)Application. All permit applications shall be signed by either a principal executive officer or ranking elected official.

All reports required by permits, and other information requested by the Director shall be signed by a person described in paragraph (a) of this section, or by a duly authorized representative of that person.

Please note the submission requirements on page 1. Submit this report to:

KANSAS DEPARTMENT OF HEALTH & ENVIRONMENT

Municipal Programs Section

1000 SW Jackson Street, Suite 420

Topeka, Kansas 66612

2. Executive Summary

Append an executive summary to this report which briefly covers the major aspects of the MS4 stormwater management program enacted during the year. In completing the executive summary, the preparer should address the following questions:

1. Were there any aspects of the program that appeared especially effective at reducing pollutants in your stormwater discharge?
2. Were there any aspects of the program that provided unsatisfactory results?
3. What was the most successful part of the program?
4. What was the most challenging aspect of the program?
5. Describe any City/County area MS4 clean-ups and the participation.
6. Describe the elected officials' participation in the stormwater pollution elimination.
7. Describe the collaboration with other organizations to eliminate stormwater pollution.
8. If an audit/inspection of your MS4 program was conducted by EPA or KDHE during the year, list the items the audit/inspection report identified as required changes and provide a narrative explanation of how the changes were implemented or explain the plan to implement the changes and identify a target date for final implementation.

---

1) Roeland Park teamed up with Johnson County and Bridging the Gap reimbursing up to $1,000 to 4 residents who applied and installed sustainable landscape solutions. One rain garden was installed, and 3 native plants/ trees were planted. This is a big improvement compared to 0 the previous year. The Fall newsletter advertisement of this Grant is thought to have contributed to the increase whereas last year it was not mentioned.

   The monthly street sweeping and storm inlet cleaning prevented 1,286 cubic yards of debris entering the storm sewer system. Pet waste containers at 9 locations used 36000 bags, an increase of 50% from the previous year. The leaf collection program collected 3,325 cubic yards, an increase of about 9% from the previous year.

   Due to the nature of non-point source pollution, it is difficult to say that any aspect of the program was the most effective at reducing pollutants in stormwater runoff. However, we believe that our efforts under public education (MCM 1) and public participation (MCM 2) that were focused on responsible lawn care practices and anti-littering were very successful at reaching a broad number of residents with messaging that hopefully will encourage behavior change or, at the very least, increase awareness.

2. There were no aspects of the city of Roeland Park's program that provided unsatisfactory results.

3. The city of Roeland Park implemented a new Municipal Facility SWPPP in the Spring. Quarterly audits are performed, and Stormwater Pollution training provided to staff.

4. The city of Roeland Park does not have full time staff to monitor and engage in all the BMP's requirements and would struggle if we did not have a partnership with Johnson County and MARC.

5. There were no MS4 clean ups hosted in Roeland Park. The city collaborates with Johnson County Stormwater Management Program (see comment #7).

6. City Council members attended meetings for the proposed improvements at the Community Center. The improvements were include adding native plants and directing runoff from the roof into a rain garden. Another council member assisted with the volunteer workday at Nall Park to clear out invasive plants from the bike trail. Two more Council members are a part of the Johnson County Stormwater Management Advisory (JCSMP) Committee where they typically attend 2 meetings. Last year meetings were attended by the Public Works Director.

7. The city of Roeland Park partnered with the JCSMP who coordinated a cooperative approach for permitted Johnson County cities to help meet selected minimum control measures mandated in the NPDES Phase 2 MS4 permits. The JCSMP coordinates efforts for some of the best management practices (BMPs) for Minimum Control Measures (MCM) 1 and 2, but also assist with MCMs 3-6. The coordinated approach through this partnership has proved to be cost effective and reduces redundancy amongst the cities in Johnson County. Also, on the behalf of Johnson County cities, the JCSMP partners with Johnson County K-State Extension, Mid-America Regional Council Water Quality Education Committee, Bridging the Gap, Blue River Watershed Association, Friends of the Kaw, Olathe North High School, Stone Lion Puppet Theater, the city of Olathe Public Works (for Household Hazardous Waste Collection), the Johnson County Department of Health and Environment, and Johnson County Wastewater.

8. No audit

2020 Stormwater Management Plan

City of Roeland Park

AMENDED 2020
Stormwater Management Plan

Federal Permit No. KSR041030

Submitted in Compliance with Kansas Permit No. M-MO35-SU01

Date: **February 27, 2020**

For the 2020 Stormwater Management Plan the City plans to continue the current plan with a few adjustments as noted. A new plan is expected later in the year.

TABLE OF CONTENTS

1.1 INTRODUCTION

This document is a Stormwater Management Plan (SMP, or the "Plan") created to help reduce the discharge of pollutants in stormwater runoff within regulated areas of Roeland Park, Kansas. It outlines stormwater program activities, monitoring requirements, reporting requirements, and responsible parties for implementing this work.

This plan was prepared in compliance with Kansas Permit Number: M-MO35-SU01

Effective Date: February 1, 2014

Expiration Date: January 31, 2019

Section 1.2 summarizes the basic requirements of the stormwater permitting program for the benefit of users of this document. Subsequent sections provide the details of the SMP itself.

1.2 OVERVIEW OF STORMWATER PERMIT REQUIREMENTS FOR MS4s

The Federal Water Pollution Control Act (also referred to as the Clean Water Act) requires permits of both municipal and industrial stormwater dischargers, developed under a program called the National Pollutant Discharge Elimination System (NPDES). Permits for stormwater discharges from municipal urbanized areas are regulated under the MS4 permitting program. The term MS4 is short for **M**unicipal **S**eparate **S**torm **S**ewer **S**ystems. (These are urbanized areas that have stormwater drainage systems that are separate from sanitary sewer systems.)

The Kansas Department of Health and Environment (KDHE) has developed two general MS4 permits for small municipalities with separate storm sewer systems. One was written for entities receiving an MS4 permit for the first time and another written for entities receiving a re-issued permit.

The general permits establish standardized requirements for entities across the state engaged in similar activities and discharging stormwater of similar quality. Permits issued to regulated cities or counties may include added conditions in addition to the standardized requirements in the general permits. The following description of the MS4 permit program was compiled from KDHE fact sheets:

> The small MS4 general permit program addresses MS4s that generally serve populations less than 100,000 in urbanized areas, plus those MS4s located outside of urbanized areas that have or may have the potential to negatively impact surface water quality as a result of their discharges.
>
> A general permit requires the permittee to develop, implement, and enforce a Stormwater Management Plan (SMP) designed to reduce the discharge of pollutants from the MS4 to the maximum extent practical, to protect water quality, and to satisfy water quality requirements of the Clean Water Act and Kansas law.
>
> The SMP must include six minimum stormwater control measures that are required of all plans. It is also required to address implementation of Best Management Practices (BMPs) for reducing pollutants in stormwater discharges from the municipality. Special emphasis is placed on drainage basins and stormwater pollutants that discharge to designated Total Maximum Daily Load (TMDL) streams and lakes within or immediately downstream of the municipality.
>
> The SMP document must address the BMPs to be implemented by the permittee, provide measurable goals for the BMPs, designate the parties responsible for implementing the control

measures, provide appropriate maps and conduct stormwater/receiving stream sampling and testing based upon the TMDL impairments.

"Impaired Waters" are streams or lakes that do not attain or maintain minimum water quality standards. They may result from individual or multiple pollutants. As noted above, TMDL is an acronym for **T**otal **M**aximum **D**aily **L**oad, which is a calculation of the maximum amount of a pollutant that a waterbody can receive and still meet water quality standards. Impaired streams and lakes are also commonly referred to as TMDL water bodies.

TMDL water bodies and pollutants of concern are identified in permits issued for individual municipalities if impaired waters exist within or immediately downstream of that jurisdiction. Monitoring requirements and water quality protection initiatives may then focus especially on those pollutants.

Overall responsibility for coordination of activities outlined in this Plan, and for reporting will be by the Director of Public Works. Table 1 lists departments responsible for implementing the various provisions of the plan.

This section describes the six minimum water quality protection control measures that are required by all MS4 permits. They include the following:

1. Public Education and Outreach
2. Public Involvement and Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff Control
5. Post-Construction Stormwater Management in New Development and Redevelopment
6. Pollution Prevention/Good Housekeeping for Municipal Operations

For each of these control measures the following is provided in this section:

- A summary description of the control measure
- The benefits of the control measure
- A table listing Best Management Practices (BMPs), Measurable goals for the BMPs, and Responsible parties
- Program assessment activities for evaluating the success of the control measure

3.1 CONTROL MEASURE 1 - PUBLIC EDUCATION AND OUTREACH

Description

This minimum control consists of implementing a public education program to inform individuals, businesses, and organizations about the impacts of stormwater discharges on surface water quality and how they can help reduce pollutants in stormwater runoff. This may include distribution of educational materials to the community and/or conducting outreach activities.

Benefit

An informed public increases awareness of water quality issues in both residents and businesses, creates opportunities for the public to take direct action to improve the health and sustainability of their community, and builds support for program goals making initiatives more effective.

BMPs, Goals, and Staff

Public Education and Outreach				
BMP	**BMP Description**	**Measurable Goal**	**Lead Staff**	**Schedule**
1.1 Develop stormwater related education and outreach materials	Items may include articles or advertising in local newspapers, TV commercials, print/electronic newsletter, flyers, brochures, envelope stuffers, etc.	Estimated number of impressions/readership based on coverage/distribution.	JCSMP (Water Quality Specialist)* City of Roeland Park Public Works Director	Annual
1.2 Maintain a Stormwater Management webpage	Createa stormwater mgmt webpage detailing the City's imvolvment with stormwater mgmt and pollution prevention.	Track website traffic	PW Department and Admin	Target Date 2021
	Update and maintain the stormwater mgmt webpage with educational materials from MARC & JCSMP	Update all links on a monthly basis and create a log of monthly checks	PW Department and Admin	Update monthly after webpage is established
~~1.3~~				
~~1.2~~ **Annual Program Review**	Assess Program and revise as required	As needed, note revisions in annual report and update SMP		Annual

** The City of Roeland Park is a member of the Johnson County Stormwater Management Council (SMAC) and as such partners with the Johnson County Stormwater Management Program (JCSMP) on various aspects of the six minimum controls measures. Many of the city's education and outreach efforts are accomplished through this partnership.*

Program Assessment

The overall success of the Public Education and Outreach Program will be measured through the successful implementation of the components of the program. Program assessment will be reported with each annual NPDES report discussing the activities completed in this section for the previous program year. Success will also be measured specifically by the following:

- Number of outreach materials or activities distributed by the city and partner organizations.

3.2 CONTROL MEASURE 2 - PUBLIC INVOLVEMENT AND PARTICIPATION

Description

This minimum control consists of creating opportunities for individuals and organizations to provide public comment and recommendations regarding BMPs and measurable goals, and participate in the development and implementation of BMPs to reduce the contamination of stormwater. This program must also comply with state and local public notice requirements.

Benefit

The goal of the stormwater management plan is to improve water quality in local lakes and rivers, which provides benefits to the entire community. As such, the community deserves to have an opportunity to voice opinions on the content of the plan. Further, input into decisions builds support for and ownership in outcomes.

BMPs, Goals, and Staff

Public Involvement and Participation				
BMP	**BMP Description**	**Measurable Goal**	**Lead Staff**	**Schedule**
2.1 Promote Community Development	Assist with development, funding and/or promotion of watershed based clean-ups, rain barrel classes, storm drain stenciling programs, water quality expo's or other evens focused on stormwater quality or watershed stewardships.	List of watershed based clean-ups/events and other stormwater related activities; summary of accomplishments; number of attendees.	JCSMP (Water Quality Specialist) City of Roeland Park	Annual
2.2 Mechanism for Citizen Participation	Provide mechanism on website for citizen comments on Stormwater Management Program.	Mechanism to provide comments on-line; log of comments and track responses and actions	City of Roeland Park	Annual
2.3 Comply with Public Notice Provisions	Advertise annual revisions for Stormwater Management Plan on city website to provide for the opportunity for public input and provide feedback to public comments	Revisions to be advertised, comments to be addressed	City of Roeland Park	Annual
2.4 Annual Program Review	Assess Program and revise as required	As needed, note revisions in annual report and update SMP	City of Roeland Park Public Works Department	Annual

Program Assessment

Similar to Public Education and Outreach, the overall success of the Public Involvement and Participation Program will be measured through the successful implementation of the components of the program. Program assessment will be reported with each annual NPDES report discussing the activities completed in this section for the previous program year. Success will also be measured specifically by the following:

- Number of community involvement events and participants
- Number of cost-share projects and participants
- Number of public notices issued and comments received

3.3 CONTROL MEASURE 3 - ILLICIT DISCHARGE DETECTION AND ELIMINATION

Description

This minimum control consists of developing, implementing, and enforcing a program to detect and eliminate illicit wastewater discharges or other non-stormwater discharges into the storm sewer system. KDHE requires this program to include, at a minimum:

- Developing a storm sewer system map of the permitted MS4 showing the location of all outfalls, either pipes or open channel drainage, and showing the names and locations of all streams or lakes that receive discharges from those outfalls.
- Enacting and enforcing an ordinance or resolutions to prohibit non-stormwater discharges into the storm sewer system.
- Informing public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.
- Developing and implementing a plan to detect and address prohibited non-stormwater discharges.

Benefit

Direct discharges of waste streams can present significant localized impacts to both public health and the environment. Developing legal, technical, and educational means to eliminate illicit discharges provides direct benefits to water quality, the environment, and public health.

BMPs, Goals, and Staff

Illicit Discharge Detection and Elimination				
BMP	**BMP Description**	**Measurable Goal**	**Lead Staff**	**Schedule**
3.1 Pollution Prevention Ordinance	Review and update the Stormwater Pollution Prevention Ordinance and enforcement procedures as needed	Review Ordinance and provide and necessary updates.	City of Roeland Park Public Works Department	Ordinance No. 791 has been in put in place. Will continue to monitor for updates.
3.2 Pollution Prevention Hotline	Maintain phone hotline and online mechanism for reporting illicit discharges; conduct investigations and/or forward to appropriate cities/agencies	Number of calls/reports received, number of investigations completed results/compliance actions taken.	JCSMP	Online report mechanism is in place.
3.3 Implement a plan to detect and address illicit discharges	Continue response and investigation of potential illicit discharges	Investigate illicit discharge complaints in Roeland Park, track the number of complaints received, the disposition of the problem found and conclusion to the case. Forward illicit discharge complaints to appropriate cities/agencies outside of Roeland Park.	City of Roeland Park Public Works Department	Respond to complaints as needed.

Illicit Discharge Detection and Elimination				
BMP	**BMP Description**	**Measurable Goal**	**Lead Staff**	**Schedule**
	Continue isolating and eliminating illicit discharges	Evaluate annually, the reported stormwater cases, including response time, pollutants in watersheds, number of investigations, proper tracking, abatement, etc.	City of Roeland Park Public Works Department	Annual
	Conduct training for appropriate county staff on detecting and reporting ID.	Train appropriate staff in Public Works staff annually on reporting pollution or conducting investigations	City of Roeland Park Public Works Department	Annual
3.4 Storm sewer network and outfall mapping	Maintain storm sewer network for Fairway maintain a map of outfall locations and make available to staff.	Continue to maintain storm system map in and updates as necessary to show additional pipe network and outfalls.	City of Roeland Park Public Works Department	Annual
3.5 Household Hazardous Waste (HHW) Program	Provide Roeland Park residents the opportunity to properly dispose of HHW	Number of participants and summary of materials received	JCSMP	Annual
3.7 ~~3.6~~ Annual Program Review	Assess Program and revise as required	As needed, note revisions in annual report and update SMP	City of Roeland Park Public Works Department	Annual
3.6 Storm sewer system / drainage channel-ditch Inspection	Inspect by CTTV or visualization op open channel drainage, 5% of storm sewer system annually to adi in dientifying illicit dischages as well as evaluate condtiions of storm sewer system. If 30% inspected higher points claimed	Generate a summary report of inspection inlcuding linear feet visually inspected, noting conditions or illicit discharges identified and efforts to eliminate illicit discharges	PW Department	Target Date 2022

Program Assessment

The overall success of the Illicit Discharge Detection and Elimination Program will be measured through the successful implementation and enforcement of the Stormwater Pollution Prevention Ordinance. Program assessment will be reported with each annual NPDES report discussing the activities completed in this section for the previous program year. Success will also be measured by the following:

- Number of public complaints addressed or problems discovered by City staff
- Number of inspections conducted
- Number of notices of violation or penalties issued

3.4 CONTROL MEASURE 4 - CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Description

This minimum control includes developing, implementing, and enforcing a program to reduce pollutants in any stormwater runoff to the MS4 for construction sites disturbing one acre or more, including areas that are less than one acre but are part of a larger common plan for development that disturbs one or more acre. KDHE requires this program to include:

- Where permittees have the authority to do so, ordinances or resolutions shall be enacted to require erosion and sediment controls, as well as sanctions to ensure compliance.
- Requirements for construction site owners or operators to implement erosion and sediment control BMPs.
- Requirements for construction site owners or operators to control wastes at the construction site that are likely to cause adverse impacts to water quality.
- Procedures for site plan review which incorporate consideration of potential water quality impacts.
- Procedures for receipt and consideration of information submitted by the public.
- Procedures for site inspection and enforcement of control measures.

Benefit

If uncontrolled, land disturbance activities can generate significant loads of sediment which can impact both adjoining properties and downstream water bodies. Fortunately, effective controls are easy and cost-effective to implement.

BMPs, Goals, and Staff

Construction Site Stormwater Runoff Control				
BMP	**BMP Description**	**Measurable Goal**	**Lead Staff**	**Schedule**
4.1 Regulations and Standards	Review City design standards specifically for stormwater management and bring the design criteria up to date to follow APWA 5600.	Review once every permit cycle	PW Department	Target Date 2020
	adopted in 2007 as needed.			
4.2 Site Plan Review	Require an Erosion and Sediment Control Plan for any land disturbance activity equal to one acre or more.	Review all erosion and sediment control plans based on specifications a checklists	City of Roeland Park Neighborhood Services Department	As-Needed
	Hold pre-construction meetings to clarify erosion and sediment control BMPs for site.	Require all erosion and sediment control plans based on specifications and checklists.	City of Roeland Park Neighborhood Services Department	As-Needed
	Require submittal of state NOI for Stormwater Construction Runoff.	Request copy of NOI and place in project file.	City of Roeland Park Public Works Department	As-Needed

Construction Site Stormwater Runoff Control				
BMP	**BMP Description**	**Measurable Goal**	**Lead Staff**	**Schedule**
4.3 Site Inspection and Enforcement	Track construction site inspections, complaints, violations, and enforcement measures	Number of inspections, complaints, violations, enforcement measures	City of Roeland Park Neighborhood Services Department	Track as-needed. Report annually.
4.4 Receipt of Public Information on Construction Site Compliance	Track information received from public	Summary of information received and actions taken	City of Roeland Park Neighborhood Services Department	Track as-needed. Report Annually.
4.5 Annual Program Review	Assess Program and revise as required	As needed, note revisions in annual report and update SMP (as required)	City of Roeland Park Public Works Department	Annual

Program Assessment

The overall success of the Construction Site Stormwater Runoff Control Program will be measured through the successful implementation and enforcement of the Erosion and Sedimentation Control Ordinance. Program assessment will be reported with each annual NPDES report discussing the activities completed in this section for the previous program year. Success will also be measured by the:

- Number of plans reviewed
- Number of inspections conducted
- Number of NOVs issued
- Number and amount of penalties issued

3.5 CONTROL MEASURE 5 - POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Description

This minimum control requires the development, implementation, and enforcement of a program to address post-construction stormwater runoff controls from both new development and redevelopment sites after development sites disturbing one acre or more, including projects that are less than one acre but are part of a larger common plan for development that disturbs one or more acre. KDHE requires the program to include:

- For permitees which have the authority, ordinances or resolutions to address post-construction runoff from new development and redevelopment projects to the extent allowable under state and local law.
- BMPs to prevent or minimize adverse water quality impacts.
- Strategies which include a combination of structural and/or non-structural BMPs appropriate for the municipality.
- Means to ensure adequate long-term operation and maintenance of BMPs.

Benefit

Conversion of native landscape to developed landscape increases both the volume of stormwater runoff and pollutant loads in stormwater. The consequences can include erosion, flooding, and pollution, impacting both downstream property owners and public infrastructure. Stormwater controls included in development sites can help reduce impacts and costs to both private property owners and the public.

BMPs, Goals, and Staff

Post-Construction Stormwater Management in New Development and Redevelopment				
BMP	**BMP Description**	**Measurable Goal**	**Lead Staff**	**Schedule**
5.1 Regulations and Standards	Review and update Erosion And Sediment Control Standards and Stormwater Management Ordinance #809	Review regulation and update as needed	City of Roeland Park Nieghborhood Services Department	Target **2020**
	Review and update Post Construction Stormwater Management design criteria.	Review design criteria and update as needed.	City of Roeland Park Neighborhood Services Department	Target **2020**
5.2 Establish plan review procedures.	Review and update Post Construction Stormwater Management Plan Review Checklists.	Review and update annually.	City of Roeland Park Neighborhood Services Department	Target 2018
5.3 Site plan review	Require a stormwater quality management plan (SWQMP) for any new development or re-development project that disturbs one acre or more of land	Review all SWQMP's to determine compliance with design criteria and checklists	City of Roeland Park Neighborhood Services Department	As-Needed

Post-Construction Stormwater Management in New Development and Redevelopment				
BMP	**BMP Description**	**Measurable Goal**	**Lead Staff**	**Schedule**
	Issue Post Construction BMP permits	Permit to be issued after development had reached 90% completion and tributary area to BMP has been permanently stabilized		
	Require "as-built" inspections at the conclusion of a project to ensure that the BMP has been built as designed.	Develop a program to track design certifications	City of Roeland Park Neighborhood Services	As-Needed
5.4 Develop inspection procedures for completed projects	Require that the owner/operator provide documentation detailing inspection dates and maintenance performed one year after construction, and every three years thereafter.	Develop a long-term maintenance program	City of Roeland Park Public Works Department	As-Needed
	Establish inspection and maintenance program for public projects.	Implement inspection program on publicly owned BMPs.	City of Roeland Park Public Works Department	Target 2018
	Establish inspection and maintenance program for private projects.	Implement inspection program on publicly owned BMPs.	City of Roeland Park Public Works Department	Target 2018
	Establish enforcement actions that require the owner/operator to perform necessary inspections and maintenance.	Review and update enforcement procedures	City of Roeland Park Public Works Department	Target 2018
5.5 Establish enforcement procedures	Include abatement provisions that allow the city to abate problem facilities if necessary.	Review and update abatement procedures	City Attorney	Target date: **2021**
	Maintain an inventory detailing the types and locations of planned and installed post-construction BMPs.	Develop and maintain a BMP tracking system	City of Roeland Park Public Works Department	Target date: 2019

Program Assessment

The overall success of the Post-Construction Stormwater Management Program will be measured through the successful implementation and enforcement of a Post-Construction Stormwater Management Ordinance. Program assessment will be reported with each annual NPDES report discussing the activities completed in this section for the previous program year. Success will also be measured by the following:

- Number of plans reviewed
- Ordinances updated and procedures enacted

3.6 CONTROL MEASURE 6 - POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

Description

This minimum control measure requires the development and implementation of an operation and maintenance and training program to reduce and prevent stormwater pollution from public facility operations such as park and open space maintenance, fleet and building maintenance, new construction and land disturbance, and stormwater system maintenance.

Benefit

Leading by example on public facilities and projects provides an opportunity to demonstrate and teach proper techniques to other landowners, and it is available on a routine and ongoing basis.

BMPs, Goals, and Staff

Pollution Prevention/Good Housekeeping for Municipal Operations				
BMP	**BMP Description**	**Measurable Goal**	**Lead Staff**	**Schedule**
6.1 Implement practices to reduce pollution from the O&M of Police, Parks and Rec, and Public Works facilities.	Design a comprehensive O&M pollutant reduction program. Examples include snow and ice removal, lawn care, vehicle maintenance and storage, toxic materials handling and transfer, and vehicle fueling stations.	Develop a watershed and pollutant based plan that reduces identified pollutants from activities.	City of Roeland Park Public Works Department	Target date: 2019
	Implement a comprehensive O&M operations pollutant reduction program. Examples include snow and ice removal, lawn care, vehicle maintenance and storage, toxic materials handling and transfer, and vehicle fueling stations.	Implement plan to reduce pollutant loads. Example: reduced chloride concentrations in stormwater runoff by utilizing alternative de-icing products, reduced application rates, and other emerging technologies.	City of Roeland Park Public Works Department	Target date: 2019
6.2 Conduct staff training.	Design educational sessions to ensure staff is proficient in minimizing stormwater pollution from daily operations.	Organize annual training sessions for all staff involved with operations and Public Works, Parks, and Recreation Services staff annually.	City of Roeland Park Public Works Department	Annual

Program Assessment

The overall success of the Pollution Prevention/Good Housekeeping Program will be measured through the successful implementation of facility SWPPPs, employee training and facility inspections conducted as part of the program. Program assessment will be reported with each annual NPDES report discussing the activities completed in this section for the previous program year. In addition, success will also be measured by:

- The number of inspections conducted
- The number of problems discovered and resolved
- Training classes conducted
- Chemical use reductions

TMDL Pollutants

TMDL regulated pollutants and impaired streams identified in the city's 2014 permit are listed below:

	TMDL Regulated Pollutant		
Impaired Stream	**Bacteria**	**Nutrients**	**Sediment**
N/A			

Best Management Practices (BMPs)

All six of the minimum control measures are designed to reduce pollutants in stormwater runoff. Those BMPs especially targeting bacteria, nutrients, and sediment, the most common TMDL pollutants in urbanized Johnson County, include the following:

Bacteria

- Public Education and Outreach: The Pet Waste Pickup Campaign, supported through funding of the Mid-America Regional Council (MARC) Water Quality Education Committee, directly addresses this pollutant
- Illicit Discharge Detection and Elimination Program
- Post-Construction Runoff Controls requiring the implementation of post-construction BMPs

Nutrients

- Public Education and Outreach: Programs conducted by Johnson County Stormwater Management Program on behalf of the cities include the Water Quality Education Grant Program; Homeowner BMP Cost Share Program; K-State Extension Water Quality Partnership
- Post-Construction Runoff Controls requiring the implementation of post-construction BMPs

Sediment

- Erosion & Sediment Control at Construction Sites: Permitting and inspection program
- Post-Construction Runoff Controls requiring the implementation of post-construction BMPs

Pollutant Reduction Goals

Success in achieving reductions in bacteria, nutrients, and sediment will be assessed by directly monitoring in-stream concentrations and evaluating pollutant concentration trends across the permit period. The monitoring program is being conducted by the Johnson County Stormwater Management Program on behalf of the cities in the county.

An in-stream monitoring program targeting impaired streams and TMDL pollutants throughout Johnson County is being undertaken by the Johnson County Stormwater Management Program in conjunction with the USGS Cooperative Water Program. This program is being conducted on behalf of the cities in the county. Annual results of the monitoring program will be provided to the cities as well as the KDHE.

The monitoring program will include:

1. A network of 25 sites where discrete samples will be collected with passive samplers. Sample locations are located where streams generally enter and leave jurisdictional boundaries in impaired watersheds.
2. Targeted analytes include nutrients, suspended sediment, and *Escherichia coli* bacteria.
3. Four samples will be collected at each site annually (environmental conditions permitting, with a minimum of two samples collected in calendar year 2014).
4. Samples will be collected from storm events of at least 0.5 inches in 24-hours and samples will be collected during the rising limb of the storm events.
5. USGS is also including additional sampling techniques and added parameters at selected locations to help assess the effectiveness of the overall monitoring program.
6. Data will be compiled and reviewed on a routine basis and an annual summary of results provided.

Permit Compliance Schedule

Part IV of the 2014 permit includes the following compliance schedule requirements:

- **Year 2014**: Complete inventory and maps of outfalls, streams, and lakes in targeted areas; drainage basins for structural and non-structural BMPs; Select and initiate or continue effective plans for source control programs targeted to TMDL pollutants.
- **July 1, 2014**: Implement new source control programs and the initial stormwater monitoring program. (The plan for the monitoring program was developed prior to July 1, 2014. With concurrence of KDHE, sampling will begin in Fall 2014.)
- **February 28, 2015:** Submit a copy of this updated SMP to KDHE.
- **Year 2015**: Continue source control programs and monitoring program.
- **Year 2016**: Continue source control programs and monitoring programs.
- **July 1, 2016**: Select, design, and initiate installation of appropriate structural BMPs.
- **Year 2017:** Continue source control programs and monitoring program.
- **Year 2018**: Continue source control programs and monitoring program.
- **February 28, 2019**: Provide a final report on the effectiveness of source controls and structural BMPs to achieve the measurable goals and summarize water quality data from selected sites.

Annual Reporting

A calendar year annual report will be submitted to KDHE by February 28 of each year. The report will cover activities conducted during the prior calendar year and will include the following:

- Summary of compliance activities associated with the permit
- A review of the appropriateness of BMPs and progress towards achieving water quality goals
- Results of information collected and analyzed, if any, including monitoring data
- Summary and status of stormwater activities conducted during the previous year
- Summary of stormwater activities scheduled to take place during next reporting cycle (including schedule)
- Map showing changes in jurisdictional permit area, if appropriate
- Description of significant changes in any BMPs, including the six minimum control measures
- Copies of updated ordinances or resolutions associated with this SMP or the six minimum control measures
- Updated list of other parties which will be responsible for implementing program areas of this SMP, as required

This SMP will be evaluated annually and modifications to the Plan, if any, will be submitted with the annual report.

Minor modifications to BMPs listed in this plan, if needed to meet program objectives, will be made within 60 days determination by the permittee or written notification from KDHE.

Major modifications to BMPs listed in this plan, if needed to meet program objectives, will be proposed in a written plan to KDHE, within 60 days determination by the permittee or written notification from KDHE.

Johnson County Kansas
NPDES Documentation

Johnson County Stormwater Management Program NPDES MS4 Services Summary-- 2019

The Johnson County Stormwater Management Program (JCSMP) manages funds generated through a 1/10th of one percent sales tax collected throughout the entire County for the purposes of stormwater management. Every year, a percentage of these funds are dedicated to providing assistance to the cities within Johnson County who hold a NPDES MS4 permits. In particular, the JCSMP coordinates some efforts for best management practices for Minimum Control Measures (MCM) 1 and 2, but also assist with MCMs 3-6. This coordinated approach through this partnership has proved to be cost effective and reduces redundancy amongst the cities in Johnson County.

Public Education and Outreach: Minimum Control Measure 1

K-State Extension

Residential lawn and garden care practices can contribute to nutrient and sediment pollution in urban stormwater runoff. The JCSMP has formed a partnership with Johnson County K-State Extension (KSE) because Johnson County residents recognize KSE, the Extension Master Gardeners, and Johnson County Extension Agent, Dennis Patton, as valuable resources for lawn and garden care guidance. The JCSMP works with Johnson County K-State Extension to conduct stormwater pollution prevention outreach in a variety of ways throughout the year.

Print Media

KSE publishes ads in the Johnson County Magazine, which is distributed four times per year (approximately by season) to approximately 260,000 residences and businesses in Johnson County (advertisements are attached in Appendix A).

- Winter 2019: Advertisement for Healthy Yards Expo and Free Soil test
- Spring 2019: Advertisement for the free soil test opportunities for Johnson County residents. The ad includes the benefits of a soil test as guidance for proper fertilization and water quality protection and a second advertisement in this issue was “Clean water starts at home” demonstrates various stormwater pollution prevention practices that should be implemented at home.
- Summer 2019: A soil test advertisement and the “Clean water starts at home” were run again in the Summer issue.
- Fall 2019: Advertisement as an article about keeping leaves out of streets and gutters. The Household Hazardous Waste collection site, grass-cycling your lawn clippings, and the “Contain the Rain” rebate program for rain barrels and native plants were also featured in the “10 things you can do to make Johnson County more sustainable” article.

In addition to the paid advertisements in the Johnson County Magazine, Dennis Patton publishes two articles a month in the Kansas City Star. Approximately 50% of the articles contain guidance on protecting water quality while tending a home’s lawn and gardens.

Events

The Healthy Yards Expo is a lawn and garden event that promotes environmentally friendly lawn and garden practices. It is based on the K-State Extension "Healthy Yards and Communities" initiative and the event is a partnership between KSE, JCSMP, and the cities of Lenexa, Olathe, Overland Park, and Shawnee. The 10th annual Expo was held on April 6, 2019 with 30 vendors who promoted best practices for residential lawn care management for the approximately 1700 individuals in attendance.

Soil tests

The JCSMP contracts with KSE to provide 1000 free soil tests to homeowners in Johnson County. In 2019, 979 residents county-wide received a free soil test (city specific numbers in Appendix B). A custom recommendation for soil amendments is provided with each soil test result as well as an informational flyer (Appendix B) that includes best practices for protecting water quality while caring for residential lawns and landscapes.

Stone Lion Puppet Theater

The JCSMP contracts with the Stone Lion Puppet Theater, a local non-profit theater, to present age-appropriate water quality messaging to the County's early elementary aged residents. In 2019, Stone Lion presented 24 puppet shows to approximately 7,700 children in ranging in grades from Pre-Kindergarten to 5th grade. Stone Lion also provided hands-on workshop experiences, creating art that tells an environmental story, to five elementary classes (K-2nd) with a total of 380 students. Details including the school name, student's resident cities in attendance, and number of students reached are included in Appendix C.

Friends of the Kaw

The JCSMP contracts with the Friends of the Kaw to present water quality data collection and analyses to middle school aged students through their "Kids About Water" programming. Through this multi-day programming, students learn about watersheds and water quality indicators of stormwater pollution. The students visit streams to collect and analyze water samples and macroinvertebrate populations. Then, the students determine the health of the stream and what actions can be taken to improve or protect water quality. In 2019, the Friends of the Kaw presented to 68 classes, which totaled 1,988 students. 48 of these classes were at Trailridge and Hocker Grove Middle Schools in the Shawnee Mission School district and are a part of providing stream-side water quality sampling experiences to all 8th grade students in Shawnee Mission. Friends of the Kaw presented at Hocker Grove Middle School both in the spring and fall of 2019. These were two different sets of students as the new school year began in August 2019. This occurred because adjustments were needed to balance resources and the current plan is to have instruction at Hocker Grove only in the fall in subsequent years. Details including the school name, student's resident cities in attendance, and number of students reached are included in Appendix C.

Shawnee Mission School District (8th grade curriculum, Friends of the Kaw, and Blue River Watershed Association)

The JCSMP has partnered with the Shawnee Mission School District to provide a capstone field experience for middle school curriculum that is focused on teaching students about water quality and

the human impacts on degraded water quality in the environment. This curriculum begins in the 6th grade and continues through 8thgrade culminating in a field trip to collect water quality and macroinvertebrate samples to analyze the health of the streams. The Shawnee Mission School District spans 14 cities in Johnson County, all of which hold MS4 permits. The ultimate goal is to provide this experience to every 8th grade student in the five middle schools—Hocker Grove, Indian Hills, Indian Woods, Trailridge, and Westridge. During the 2018-2019 school year, the 8th grade classes at Hocker Grove, Indian Woods, Trailridge, and Westridge received the stream side instruction. Indian Hills 8th graders had the field experience as 7th graders om 2018 and was funded by the JCSMP and conducted by Friends of the Kaw. The plan for the 2019-2020 school year is to provide the field experience for Hocker Grove in fall 2019 and Indian Hills, Indian Woods, Trailridge and Westridge in spring 2020. The is the reason for classes at Hocker Grove receiving this experience twice in 2019, although it is different classes of students.

Overall, in 2019, approximately 2,100 8th grade students in 78 classes conducted stream sampling. The JCSMP contracted with the Friends of the Kaw (48 classes referenced in the Friends of the Kaw summary above) and the Blue River Watershed Association which provided stream side sampling for Indian Woods and Westridge Middle Schools. Shawnee Mission Schools provided the bus transportation to stream sites. Details including the school name, student's resident cities in attendance, and number of students reached are included in Appendix C.

Hillsdale Lake WRAPS/ Miami and Johnson County Conservation Districts

The JCSMP partners with the Hillsdale Lake Watershed Restoration and Protection Strategy (WRAPS) to provide watershed education and water quality sampling experiences to the middle school students at Spring Hill Middle School and advanced Zoology and Field Biology students at Gardner-Edgerton High School. Details including the school name, student's resident cities in attendance, and number of students reached are included in Appendix C.

Public Participation and Involvement: Minimum Control Measure 2

Bridging the Gap

The JCSMP partners with Bridging the Gap to provide support to the cities' Homeowner Stormwater BMP Cost Share program. They have worked to create a brand of "Contain the Rain JOCO" and have developed a website www.containtherainjoco.com where homeowners have access to resources on native plants, trees, and rain barrels as well as a 'one-stop shop' for links to all the cities' programs within Johnson County.

Bridging the Gap also conducted six native plant workshops in support of the Contain the Rain programs. These workshops included a presentation on the benefits of native plants and how to choose the best native plants for the home. The workshops also included a question/answer period. Bridging the Gap also offered one rain barrel workshop.

Date	Workshop	Location	JOCO Residents
04.25.2019	Native Plant Workshop	Sylvester Powell Community Center - Mission	15
05.30.2019	Native Plant Workshop	Olathe Community Center	20
06.22.2019	Native Plant Workshop - LWV	Johnson County Library - Oak Park	35
07.13.2019	Rain Barrel Workshop	Anitoch Park	17
08.15.2019	Native Plant Workshop	Johnson County Library - Central Resource	33
09.09.2019	Native Plant Workshop	Roeland Park Community Center	13
09.12.2019	Native Plant Workshop	Romahawk Ridge Community Center - Overland Park	12
		Totals	**145**

Olathe North High School

The JCSMP partners with the Olathe North High School Geosciences Academy to offer rain barrel and rain garden workshops to Johnson County residents. This partnership helps to develop the future water quality professionals through course work focused on Earth, Ocean, and Space processes. As juniors (12 students in Spring 2019), the students conduct monthly water quality sampling at a stream near the school property. Another part of their junior year, the students learn about stormwater and stormwater pollution. They then present their knowledge to adults in the community at two rain barrel workshops. The workshops also include assembling the rain barrels and each participant receives a rain barrel. In 2019, 123 (105 Olathe, 5 Lenexa, 4 Overland Park, 3 Shawnee, 2 Spring Hill, 2 Gardner, 1 Roeland Park, and 1 Kansas City) residents attended the workshops and built a rain barrel for their home. Additionally, Olathe North partners with David Dods, a nationally recognized rain garden expert, to offer a rain garden workshop to Johnson County residents. In 2019, 23 (21 Olathe, 1 Lenexa, and 1 DeSoto) residents attended a workshop and the workshop attendees are awarded rain garden kits to plant at their homes.

Illicit Discharge Detection and Elimination: Minimum Control Measure 3

Household Hazardous Waste Collection Site Support

KDHE recognizes support of Household Hazardous Waste Collection as a method to deter illegal dumping of harmful materials into the MS4. The JCSMP provides supplemental financial assistance annually to the two household hazardous waste collection sites in operation in Johnson County.

The Johnson County Department of Health and Environment (JCDHE) operates a site in the city of Mission, in the northeast part of the County. Under normal operations, the JCDHE site accepts HHW from any County resident who makes an appointment, which are available only during regular business hours during the week. The supplemental funding allows for the JCDHE site to schedule appointments on Saturdays from April through September to allow for increased convenience to residents unable to schedule appointments during the week. JCDHE provides KDHE a fiscal year report that runs from July 1, 2018 through June 30, 2019, so those numbers are used for these reporting purposes. A total of 8,343 participants and 639,057 pounds of household hazardous waste was collected and managed properly (detailed report attached in Appendix D).

The city of Olathe also operates a household hazardous waste collection site that is more centrally located in the county. Under normal operations, the Olathe HHW collection site would only accept household hazardous waste from Olathe residents. The supplemental funding provided by the JCSMP allows any Johnson County resident to drop off household hazardous waste at the Olathe site. The July 1, 2018 through June 30, 2019 annual report to KDHE for the city of Olathe HHW site reported 9,079 participants and a total of 900,965 pounds of household hazardous waste collected and managed properly (detailed report attached in Appendix D).

Onsite Sewage Treatment Systems Program

The Johnson County Department of Health and Environment operates the On-Site Sewage Treatment Systems Program to protect the health and environment of Johnson County citizens by ensuring the proper design and operation of on-site septic systems. The program inspects new residential and commercial on-site septic systems, existing commercial systems, and existing residential systems subject to property transactions. The program also investigates complaints about malfunctioning on-site septic systems. There are approximately 9,000 private sewage treatment systems in Johnson County. The overall county totals are listed below and a detailed by number for each city is included in Appendix E.

County Totals:

Resale Inspections -	257
Commercial Inspections -	309
Soil Profile Analysis -	89
Minor Repairs -	89
Septic Tank Decommissioning -	20
Installation Permits Issued -	133
(New Construction Permits) -	67
(Major Repairs Permits) -	66

Construction Site Stormwater Runoff Control: Minimum Control Measure 4

Certified Erosion and Sediment Control Inspector training

The JCSMP works with the Johnson County Contractor Licensing Provide education and informational resources for contractors licensed in Johnson County. On October 3rd and 4th, 2019, the Johnson County Contractors Licensing Program offered a 4-hour the class that instructed contractors on proper erosion and sediment control at construction sites. Attendees could opt to take an exam to become a “Johnson County Certified Inspector”. Approximately 140 individuals took the course and 65 individuals sat for the exam, and 63 individuals passed. Each course participant received a hard copy of the **“Johnson County Kansas Erosion Prevention and Sediment Control Field Guide”** which is a 70 page pocket guide detailing many erosion and sediment control practices.

Water Quality Sampling

The JCSMP will continue to support water quality monitoring across the County on behalf of the cities to meet regulatory monitoring requirements. Reporting requirements to KDHE are established in the Johnson County NPDES MS4 permit (M-KS52-SU02). The water quality monitoring approach focuses on entire watersheds, rather than municipal boundaries, in order to align with the watershed management goals of the Strategic Plan.

Monitoring Objectives:

- Evaluate MS4 discharge impacts to the receiving waters
- Investigate relative contribution of sources of specific pollutants causing designated use impairment, including nutrients, bacteria and sediment
- Gather data to inform program decisions and prioritization of future activities related to the protection of water quality.

The monitoring program consists of both rotating and fixed monitoring stations. Fixed monitoring and the rotational year's stations are monitored on scheduled, monthly basis from April-September regardless of rainfall. Additional wet weather samples are collected in the rotational basin only and 3 wet weather events after a 0.25" rainfall will be collected.

The Indian and Tomahawk Creek watersheds (watershed grouping 2) were the rotation watersheds in 2019. A map of monitoring stations Appendix F. A table with monitoring station details and year of rotation sampling and the data for 2019 are provided in spreadsheets attached to the 1/27/2020 email from Heather Schmidt. A separate report "Johnson County SMP 2019 MS4 Water Quality Monitoring" by GBA and FYRA Engineering describes in more detail the sampling protocol and results for 2019. This report will be provided as soon as it is finalized.

Budget

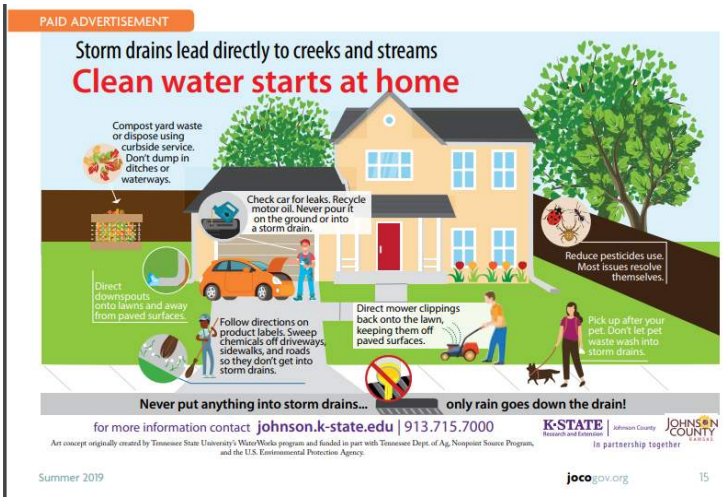
2019 NPDES Services Budget		
MCM 1:		
Johnson County K-State Extension	$	45,000
In School Education: Stone Lion Puppet Theater	$	21,750
In School Education: Friends of the Kaw	$	28,014
In School Education: Blue River Watershed Association	$	28,203
In School Education: Hillsdale Lake WRAPS	$	10,000
MARC Water Quality Education Committee Membership	$	45,000
MCM 2:		
Bridging the Gap	$	21,100 (Not to exceed-- dependant on number of applications)
Olathe North High School	$	14,700
MCM 3:		
HHW Collection: Johnson County Health and Enviroment	$	50,000
HHW Collection: City of Olathe	$	90,000
MCM 4:		
Erosion Control Inspector class	$	9,000
Water Quality Sampling		
GBA: Sample collection and data analysis	$	98,524
JCW lab: Lab analysis	$	20,000

Johnson County Magazine Advertisements

Johnson County Magazine– Winter 2019

Johnson County Magazine– Spring 2019

Johnson County Magazine– Summer 2019



Johnson County Magazine– Fall 2019

Johnson County Magazine– Fall 2019

10 things

you can do to make Johnson County more sustainable

Inspired by all that the county is doing to make JoCo more sustainable? Small changes in your daily routine add up to big differences in energy use, environmental protection and more. Read on to find out what you can do to promote sustainability in your everyday life.

1 Recycle right

Keep materials out of the landfill by only recycling things that are clean of other waste and not mixed with non-recyclables. Learn what can and can't go in your bins at jocogov.org/recycle.

2 Take hazardous waste to the HHW facility

Corrosive, toxic or flammable materials present a hazard to you and the environment and must be disposed of carefully. Johnson County's Household Hazardous Waste facility accepts many kinds of materials and will dispose of them safely on your behalf. Schedule a drop-off at jocogov.org/hhw-dropoff.

3 "Grass-cycle" your lawn

Grass clippings and leaves help your lawn retain moisture and return up to 25% of their nutrients back to the soil, saving you money on fertilizing. A mulching mower allows you to mow right over leaves – no more raking in the fall!

4 Keep fats, oils and grease out of sink drains

When fats, oils and grease (FOG) from your home kitchen are poured down the drain, they cool and solidify on the walls of sewer pipes, restricting or clogging wastewater flow. FOG should be collected in an empty container (like a tin can) and disposed of in your trash.

5 Ride your bike instead of driving

Biking is great exercise and better for the environment than driving. Learn more about biking for transportation at the Central Resource Library's partner programs with BikeWalkKC. Visit jocolibrary.org/bikewalkkc for details.

6 Put gas in your car at night

Cars are one of the leading causes of ground-level ozone, which produces smog in urban areas and leads to the air quality alerts common in the summer months. You can help improve our air quality by fueling up your car at night instead of in the morning, when cooler temperatures allow ozone from gasoline to dissipate.

7 Contain the rain and landscape with native plants

Protect waterways from pollution and excess runoff by implementing sustainable landscape solutions. Native plants have deep root systems that absorb and filter pollutants from stormwater before it reaches waterways. Rain gardens and rain barrels capture rain where it lands, reducing the need for watering. Visit containtherainjoco.com to learn how you could receive a partial reimbursement for sustainable landscape projects!

8 Make your home more energy efficient

Small changes in your thermostat can add up to a big difference in your energy consumption and save you money on utilities. The U.S. Department of Energy recommends 68 degrees in the winter and 78 degrees in the summer when you're home and awake; adjust by 7-10 degrees when you're asleep or away. Invest in a programmable "smart thermostat" and it will do all of the changing for you.

9 Minimize food waste

Up to 40% of food produced in the United States is never eaten. When food goes to waste, the environmental and financial resources used to grow and transport that food are wasted too. Visit savethefood.com for resources to help your family waste less and save money.

10 Volunteer

Sustainability is not just about financial and environmental resources - you can support the *human* resources in our county too by volunteering! Johnson County volunteers shelve library books, grow food in our WIC community garden, help residents with disabilities, and more. Visit jocogov.org/volunteer to learn more and sign up.

Soil test numbers and inserts

Soil Testing Numbers by City	
City	**Number**
De Soto	6
Edgerton	3
Eudora	2
Fairway	10
Gardner	20
Lake Quivira	3
Leawood	70
Lenexa	116
Merriam	15
Mission	22
Mission Hills	4
Olathe	194
Overland Park	302
Prairie Village	57
Roeland Park	10
Shawnee	114
Spring Hill	7
Stilwell	17
Westwood	7
Total	**979**

In-School Education Numbers (Stone Lion Puppet Theater, Friends of the Kaw, Shawnee Mission School District, and Hillsdale Lake WRAPS)

Stone Lion Puppet Theater					
	School	**Student resident cities**	Kids	# of shows	Grades
Puppet shows					
1/18/19	Brookridge Elem(SMSD)	Overland Park	200	1	
1/18/19	Corinth Elem(SMSD)	Prairie Village	300	1	
1/24/19	Heartland Elem(BV)	Overland Park	420	1	
2/5/19	Briarwood Elem(SMSD)	Prairie Village	400	1	
2/25/19	Indian Creek Elem(Olathe)	Olathe	400	2	
3/27/19	Sunset Ridge Elem (BV)	Overland Park	200	1	
4/5/19	Moonlight Elem (GE)	Gardner	380	1	
4/5/19	Shawanoe Elem(SMSD)	Shawnee	300	1	
4/12/19	Deimer Elem (SMSD)	Overland Park	400	1	
4/18/19	Prairie Ridge Elem (DeSoto)	Shawnee	300	1	
4/22/19	Broken Arrow Elem (SMSD)	Shawnee	400	1	
5/16/19	Harmony Elem(BV)	Overland Park	400	2	
5/17/19	IndianValley Elem (BV)	Overland Park	400	1	
9/10/2019	Roesland Elem(SMSD)	Roeland Park	275	1	K-3rd
9/24/2019	Nieman Elem(SMSD)	Merriam & Shawnee	200	1	K-3rd
9/25/2019	Bluejacket-Flint Elem(SMSD)	Shawnee	420	1	K-5
10/4/2019	Brookridge Day School	Fairway, Leawood, Lenexa, Mission, Prairie Village, Olathe, Overland Park, Shawnee	275	1	PreK-5
10/18/2019	E.Antioch Elem(SMSD)	Overland Park	350	1	K-5
11/4/2019	Apache Elem(SMSD)	Overland Park	215	1	K-2
11/7/2019	Crestview Elem(SMSD)	Merriam, Overland Park	250	1	K-5
11/8/2019	Spring Hill Elem(Spring Hill)	Spring Hill	200	1	K-1
11/14/2019	Havencroft Elem(Olathe)	Olathe	260	1	K-5
11/21/2019	Edgerton Elem(GE)	Edgerton	300	1	K-6
11/22/2019	Oak Park-Carpenter Elem(SMSD)	Overland Park	540	1	K-6
11/7/2019	Crestview(SMSD)	Merriam, Overland Park	75	3	K
11/7/2019	Roesland(SMSD)	Roeland Park	60	3	2nd
11/20/2019	Apache(SMSD)	Overland Park	75	3	K
Workshops					
4/10/19	Indian Valley Elem (BV)	Overland Park	70		2nd
4/22/19	Broken Arrow Elem (SMSD)	Shawnee	100		K & 1st

Secondary Education				
Date	**School**	**Student resident cities**	**Number of classes**	**Number of students**
Friends of the Kaw				
March 2019	Bluejacket-Flint Elementary	Shawnee	3	78
April 2019	Hocker Grove Middle School	OP (21.6%), Roeland Park (11%), Shawnee (32.3%)	16	439
April 2019	Trailridge Middle School	Lake Quivira (2.1%), Lenexa (21%), Merriam (1.3%), Overland Park (2.3%), Shawnee (72%)	14	416
April 2019	Mill Creek Middle School	Lenexa, Shawnee	9	207
May 2019	Oak-Park Carpenter	Overland Park	3	75
Sept 2019	Monticello Trails Middle School	Shawnee	5	265
October 2019	Hocker Grove Middle School	Merriam (23.6%), Mission (10.5%), OP (21.6%), Roeland Park (11%), Shawnee (32.3%)	18	508
Blue River Watershed Association				
April 2019	Westridge Middle School	Lenexa (45.2%), Overland Park (51.5%), Shawnee (2.5%)	15	370
May 2019	Indian Woods Middle School	Leawood (8.9%), Lenexa (19.9%), Overland Park (70.1%)	15	370
Hillsdale WRAPS				
April 2019	Gardner-Edgerton High School	Gardner, Edgerton, and Unincorporated JoCo	3	60
May 2019	Spring Hill Middle School	Spring Hill and Unincorporated JoCo	10	270
Sept 2019	Gardner-Edgerton High School	Gardner, Edgerton, and Unincorporated JoCo	3	69
Sept 2019	Spring Hill Middle School	Spring Hill and Unincorporated JoCo	1	52
Oct 2019	Gardner-Edgerton High School	Gardner, Edgerton, and Unincorporated JoCo	1	18

Household Hazardous Waste Reports

Kansas Household Hazardous Waste Program - Annual Report Form

for State Fiscal Year 2018 (July 1, 2018 to June 30, 2019)

Name of Facility: City of Olathe HHW Permit Number: 849
County(ies) Served: Johnson
Facility Address: 1420 S. Robinson Dr. Olathe, Ks. 66061
Facility Contact: Steve Davis Phone #: (913) 971-9015 Fax #: email: sdavis@olatheks.org

Waste Category DOT Class (Class description)	Name of Disposal Contractor for each Category	Conversion factors used to estimate amounts left in Storage	Wastes in STORAGE (includes all wastes left in storage at the close of the report period) pounds	Wastes DISTRIBUTED through a REUSE Waste Exchange program pounds	HAZARDOUS WASTES CONTRACTED or disposal at a cost: Recycled (HW) I.e. batteries pounds	Energy Recovery (HW) fuel sub. pounds	Treatment (HW) pounds	Landfilled (HW) pounds	Incineration (HW) pounds	Wastes not contracted as Hazardous Waste or disposal at no cost: Recycled I.e. batteries & refining of used oil pounds	Energy Recovery I.e. used oil, fuel substitutes pounds	Treatment and/or disposal through sanitary sewer pounds	Landfilled at Non HAZ MSW LF pounds	Total Pounds COLLECTED
1. NR (Bulk Latex Paint)	City of Olathe	12 pounds per gallon	1,356	56,947									473,320	531,623
2. NR (Bulk Used Oil)	Environmental Energy	8 pounds per gallon	400	1,687	38,592									40,679
3. Class 2, Div. 2.1 (Sorted Aerosols, Lab/Loose Pack)	Stericycle			9,217		9,609								18,826
4. Class 3 (Bulk Oil Based Paint)	Stericycle	12 pounds per gallon		4,116		63,928								68,044
5. Class 3 (Bulk Fuels/Fuel Blends)	Stericycle	8 pounds per gallon		2,798		6,426								9,224
6. Class 4, Div. 4.1 (Flammable Solids)	Stericycle	When determining weights of LAB PACKS in Storage don't forget to subtract the drum weight and the absorbent material, to report the NET WEIGHT, or the amount of the wastes collected and managed.		98					68					166
7. Class 4, Div. 4.2 (Spontaneously Combustible)	Stericycle								32					32
8. Class 4, Div. 4.3 (Dangerous When Wet)	Stericycle								31					31
9. Class 5, Div. 5.1 (Oxidizers)	Stericycle			1,427			163							1,590
10. Class 5, Div. 5.2 (Organic Peroxides)	Stericycle													0
11. Class 6, Div. 6.1 (Poisons)	Stericycle			13,208					23,956					37,164
12. Class 6, Div. 6.1 (Dioxins)	Stericycle								216					216
13. Class 8 (Corrosives, Acids and Bases)	Stericycle			2,600			5,789		1,934					10,323
14. Class 8 (Batteries - Lead Acid)	Best Batteries	Car batteries, at 30 pounds each	1,120		6,960									8,080
15. Class 8 (Sorted Batteries - NiCd)	Best Batteries	For all other batteries report actual weight	50		580									630
16. Class 8 (Batteries - Dry Cell)	N/A		0											0
17. Class 8 (Batteries - Lithium)	Best Batteries		50		18									68
18. NR (Antifreeze)	Environmental Energy	Please note conversion factor used to estimate amounts left in storage, if applicable.	400							10,240				10,640
19. NR (Non-Hazardous)	City of Olathe			846										846
20. Mercury	Stericycle													0
21. Fluorescent Bulbs	Stericycle									3,090				3,090
22. Electronic Waste	Secure E-Cycle				156,343									156,343
23. Pharmaceuticals	N/A													
24. Other: Cooking Oil	Darling International										3,350			3,350
Total Pounds Managed:			3,376	92,944	202,493	79,963	5,952	0	26,237	13,330	3,350	0	473,320	900,965

Additional Program summary results:

Annual Operational Costs for the year (July 1, 2018 - June 30, 2019):

A. Disposal Cost	$ 185,686.91	E. Public Education/Advertising:			
B. Salaries:	$ 142,331.17	F. Physicals:	$ -		
C. Equipment/Supplies:	$ 24,205.16	G. Training:	$ 1,000.00		
D. Overhead (Admin & Util):	$ 2,500.00	H. Other:	$ -		
	TOTAL ANNUAL OPERATIONAL COSTS:		$ 355,723.24		

Total Cost per Participant:	$ 39.18	Percent Managed through Waste Exchange Program:	10.32%
Total Disposal Cost per Participant:	$ 20.45	Percent Contracted for Hazardous Waste disposal:	34.92%
Average Pound per Participant:	99.24	Percent Managed through Other means:	54.39%
Cost to manage per Pound:	$ 0.39	Percent in Storage as of report date:	0.37%
Average Disposal Cost per Pound:	$ 0.59		

Total Number of Participants for the year (July 1, 2018 - June 30, 2019): **9,079**

Kansas Household Hazardous Waste Program - Annual Report Form

for State Fiscal Year 2018 (July 1, 2018 to June 30, 2019)

Name of Facility: Johnson County HHMF Permit Numb 652
County(ies) Served: Johnson
Facility Address: 5901 Foxridge Dr.
Facility Contact: Todd Rogers Phone #: 913-715-6900 Fax #: email: Todd. Rogers@jocogov.org

Waste Category DOT Class (Class description)	Name of Disposal Contractor for each Category	Conversion factors used to estimate amounts left in Storage	Wastes in STORAGE (includes all wastes left in storage at the close of the report period) pounds	Wastes DISTRIBUTED through a REUSE Waste Exchange program pounds	HAZARDOUS WASTES CONTRACTED or disposal at a cost: Recycled (HW) l.e. batteries pounds	Energy Recovery (HW) fuel sub. pounds	Treatment (HW) pounds	Landfilled (HW) pounds	Incineration (HW) pounds	Wastes not contracted as Hazardous Waste or disposal at no cost: Recycled l.e. batteries & refining of used oil pounds	Energy Recovery l.e. used oil, fuel substitutes pounds	Treatment and/or disposal through sanitary sewer pounds	Landfilled at Non HAZ MSW LF pounds	Total Pounds COLLECTED
1. NR (Bulk Latex Paint)	In house	12 pounds per gallon	9,695	116,340									153,000	279,035
2. NR (Bulk Used Oil)	Environmental Energy	8 pounds per gallon			20,648									20,648
3. Class 2, Div. 2.1 (Sorted Aerosols, Lab/Loose Pack)	Stericycle		1,299	11,199		15,593								28,091
4. Class 3 (Bulk Oil Based Paint)	Stericycle	12 pounds per gallon	5,727	27,720		68,729								102,176
5. Class 3 (Bulk Fuels/Fuel Blends)	Stericycle	8 pounds per gallon	1,318	11,575		15,814								28,707
6. Class 4, Div. 4.1 (Flammable Solids)	Stericycle	When determining weights of LAB PACKS in Storage don't forget to subtract the drum weight and the absorbent material, to report the NET WEIGHT, or the amount of the wastes collected and managed.	21						257					278
7. Class 4, Div. 4.2 (Spontaneously Combustible)	Stericycle													0
8. Class 4, Div. 4.3 (Dangerous When Wet)	Stericycle		7						87					94
9. Class 5, Div. 5.1 (Oxidizers)	Stericycle		20	29					245					294
10. Class 5, Div. 5.2 (Organic Peroxides)	Stericycle		1						16					17
11. Class 6, Div. 6.1 (Poisons)	Stericycle		2,151	1,417					25,812					29,380
12. Class 6, Div. 6.1 (Dioxins)	Clean Harbors			15,906										15,906
13. Class 8 (Corrosives, Acids and Bases)	Stericycle		489				5,872							6,361
14. Class 8 (Batteries - Lead Acid)	Best Batteries	Car batteries, at 30 pounds each								13,922				13,922
15. Class 8 (Sorted Batteries - NiCd)	Best Batteries	For all other batteries report actual weight								1,045				1,045
16. Class 8 (Batteries - Dry Cell)	Battery Solutions				2,226									2,226
17. Class 8 (Batteries - Lithium)	Best Batteries													0
18. NR (Antifreeze)	Heritage Crystal Clean				13,905									13,905
19. NR (Non-Hazardous)	WWTP, Darling, WM			37,806						2,041		2,425	51,000	93,272
20. Mercury	Stericycle	Please note conversion factor used to estimate amounts left in storage, if applicable.					260							260
21. Fluorescent Bulbs	A-Tec				3,408									3,408
22. Electronic Waste														0
23. Pharmaceuticals														
24. Other: Freon					32									32
Total Pounds Managed:			20,728	221,992	40,219	100,136	6,132	0	26,417	17,008	0	2,425	204,000	639,057

Additional Program summary results:

Annual Operational Costs for the year (July 1, 2018 - June 30, 2019):

A. Disposal Cost	$ 126,914.00	E. Public Education/Advertising:	$ -
B. Salaries:	$ 200,300.00	F. Physicals:	$ -
C. Equipment/Supplies:	$ 13,619.00	G. Training:	$ 1,465.00
D. Overhead (Admin & Util):	$ 7,501.00	H. Other:	$ -
	TOTAL ANNUAL OPERATIONAL COSTS:		$ 349,799.00

Total Cost per Participant:	$ 41.93	Percent Managed through Waste Exchange Program:	34.74%
Total Disposal Cost per Participant:	$ 15.21	Percent Contracted for Hazardous Waste disposal:	27.06%
Average Pound per Participant:	76.60	Percent Managed through Other means:	34.96%
Cost to manage per Pound:	$ 0.55	Percent in Storage as of report date:	3.24%
Average Disposal Cost per Pound:	$ 0.73		

Total Number of Participants for the year (July 1, 2018 - June 30, 2019): **8,343**

Roeland Park's
Contain the Rain receipts and pics

Your form "Contain the Rain Cost Sharing Program" has received the following response:

Submitted on: 10/09/2019 09:47:01 AM
Completion time: 6 min. 44 sec.

Q. First Name
R[redacted]

Q. Last Name
R[redacted]

Q. Email
R[redacted]

Q. Mobile Phone
R[redacted]

Q. Street Address
R.[redacted]

Q. City
R. Roeland Park

Q. State
R. KS

Q. Zipcode
R. 66202

Q. I am the homeowner.
R. Yes

Q. Select Project Type
R. - Native Trees

Q. Please describe the project. Include in your description where the project is located on your property; the type of plants/trees planted, if applicable; and the total cost of your project.
R. We planted a river birch tree in the back right corner of our back yard. The total cost of the tree plus the recommended fertilizer was $239.

Q. Total cost of Native Plants. (Enter 0 if not applicable.)
R. 0

Q. Total cost of Native Trees. (Enter 0 if not applicable.)
R. 219.99

Q. Total cost of Rain Barrels. (Enter 0 if not applicable.)
R. 0

Q. I give my consent to use photos provided in promotional materials. (Identifying information will be removed before use.)
R. Yes, I give Bridging The Gap and Johnson County, including any city in the county, permission to use my photos in promotional materials and advertising.

Click here to name this section

Overland Park Family Tree Nursery
8424 FARLEY
OVERLAND PARK KS 66212
913-642-6503

Receipt
10/06/19 09:47:09 AM
Receipt: 1070298 Store: 1
Register: 106 Clerk: MONICA

Item	Price	Qty	Total
025849623203 MYK62320 1.4QT MYKE TREE + SHRUB MYK	$17.99	1.00	$17.99
04500215 NURSERY FTN	$219.99	1.00	$219.99
100002 MUM8 MUM WOLCOTT	$3.99	2.00	$7.98
50.06 % Off $8 Off			

Total Units	4.0
Subtotal	$245.96
Tax	$22.38
Tax2	$0.00
Total	$268.34

10/06 09:47 AM DEBIT $268.34
HAGEEMIL

You saved N $8.00

Return Policy: Receipt required for refund
Returns after 15 days
25% Restocking Fee
Please keep this receipt
*** Customer Copy ***

CUSTOMER COPY

No.147612

FAMILY TREE NURSERY

OVERLAND PARK

PH. 913-642-6503

8424 FARLEY

Delivery Boundary

SOUTH	WEST	NORTH	EAST
175th St. Stanley	Cedar Creek	I-70	Holmes-Paseo

Charge for delivery: over $300.00 / $35.00 under $300.00 / $50.00

Delivery outside this area $2.00 per mile. Each outside delivery to be OKED by Nursery Manager or Assistant Manager.

SAVE THIS TICKET
YOUR GUARANTEE
ON THE REVERSE SIDE

50%

SALESMAN	DATE 10/6/19	THE LIMITED NURSERY GUARANTEE HAS BEEN EXPLAINED TO ME: 5YR
Collin	LOADED BY:	

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
1	Dwarf cut riverbirch	219.99	
1	* MYKE	17.99	
		TAX	
		TOTAL	

No. 147612 THANK YOU

BEFORE

AFTER

Response Report <report@formassembly.com> Sun, Nov 3, 12:22 PM

to me

Your form "Contain the Rain Cost Sharing Program" has

Submitted on: 11/03/2019 01:22:52 PM
Completion time: 16 min. 51 sec.

Q. First Name
R[redacted]

Q. Last Name
R[redacted]

Q. Email
R[redacted]m

Q. Mobile Phone
R[redacted]

Q. Street Address
R.[redacted]

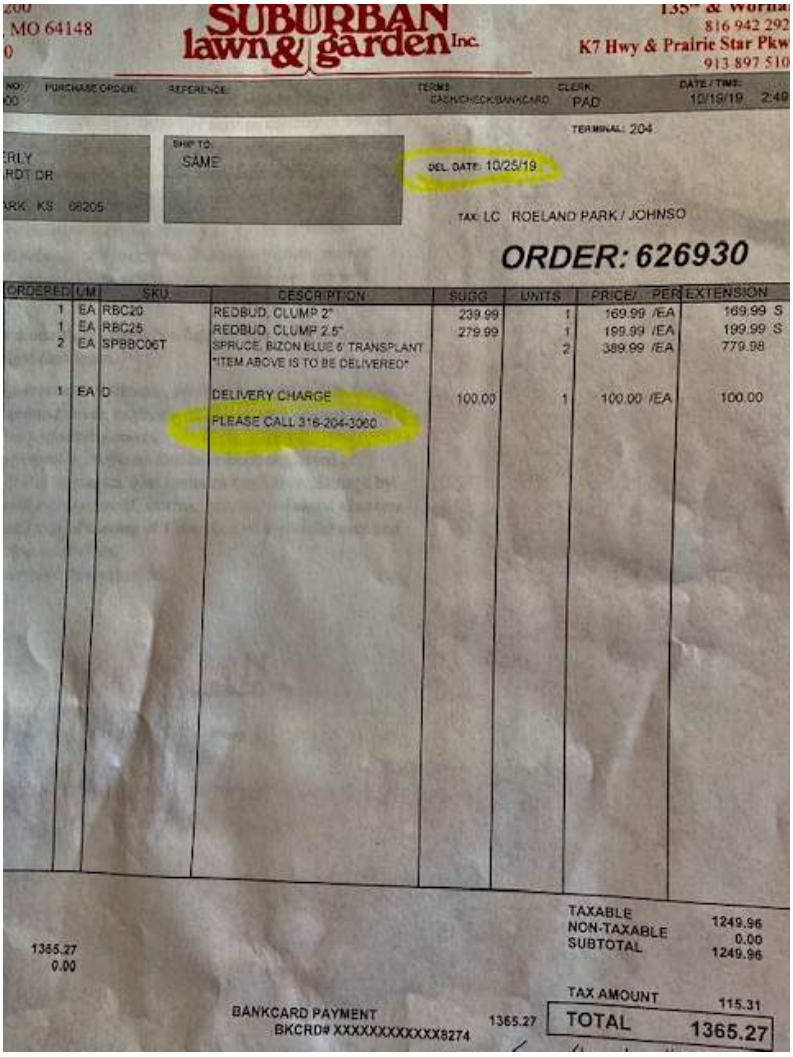
Q. City
R. Roeland Park

Q. State
R. KS

Q. Zipcode
R. 66205

Q. I am the homeowner.
R. Yes

Q. Select Project Type
R. - Native Trees



SUBURBAN lawn & garden Inc.

MO 64148

816 942 292

K7 Hwy & Prairie Star Pkw

913 897 510

PURCHASE ORDER | REFERENCE | TERMS: CASH/CHECK/BANKCARD | CLERK: PAD | DATE / TIME: 10/19/19 2:49

TERMINAL: 204

SHIP TO: SAME

DEL DATE: 10/25/19

TAX: LC ROELAND PARK / JOHNSO

ORDER: 626930

ORDERED	UM	SKU	DESCRIPTION	SUGG	UNITS	PRICE/ PER	EXTENSION
1	EA	RBC20	REDBUD, CLUMP 2"	239.99	1	169.99 /EA	169.99 S
1	EA	RBC25	REDBUD, CLUMP 2.5"	279.99	1	199.99 /EA	199.99 S
2	EA	SPBBC06T	SPRUCE, BIZON BLUE 6' TRANSPLANT		2	389.99 /EA	779.98
			"ITEM ABOVE IS TO BE DELIVERED"				
1	EA	D	DELIVERY CHARGE	100.00	1	100.00 /EA	100.00
			PLEASE CALL 316-204-3060				

1365.27
0.00

TAXABLE 1249.96
NON-TAXABLE 0.00
SUBTOTAL 1249.96

TAX AMOUNT 115.31

BANKCARD PAYMENT 1365.27
BKCRD# XXXXXXXXXXX8274

TOTAL 1365.27

Q. Please describe the project. Include in your description where the project is located on your property; the type of plants/trees planted, if applicable; and the total cost of your project.
R. Plant 2 native Redbud 'clump' trees in our front side yards. Cercis canadensis. We were able to obtain both trees on sale at Suburban lawn and garden. One tree was $169.99 and the other tree was 199.99. The delivery cost was 100.00. Tax was $31.82 for a total delivered amount of $501.80 (see receipt)

Q. Total cost of Native Plants. (Enter 0 if not applicable.)
R. 0

Q. Total cost of Native Trees. (Enter 0 if not applicable.)
R. $501.80

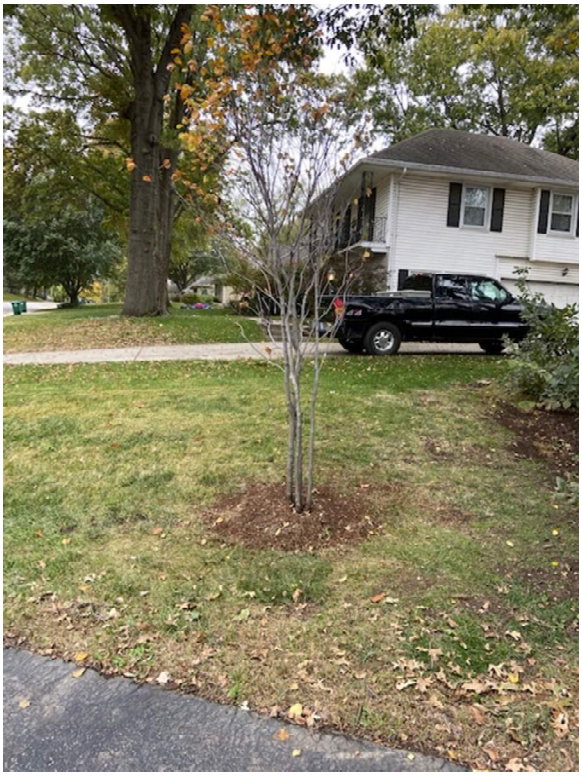
Q. Total cost of Rain Barrels. (Enter 0 if not applicable.)
R. 0

Q. I give my consent to use photos provided in promotional materials. (Identifying information will be removed before use.)
R. Yes, I give Bridging The Gap and Johnson County, including any city in the county, permission to use my photos in promotional materials and advertising.

Click here to name this section

BEFORE

BEFORE



AFTER

AFTER

Your form "Contain the Rain Cost Sharing Program - Rain Garden Pre-approval" has received the following response:

Submitted on: 09/21/2019 06:16:26 PM
Completion time: 52 min. 28 sec.

First Name
[redacted]

Last Name
[redacted]

Email
[redacted]

Mobile Phone
[redacted]

Street Address
[redacted]

City
Roeland Park

State
KS

Zipcode
66205

I am the homeowner.
Yes

Please describe the project. Include in your description where the projected location on your property; the type of plants/trees planned; the name of your contractor, if applicable; and the total projected cost of your project.
Will Gibson from Down to Earth Services has prepared a rain garden plan for us. Please find his estimate for site prep, layout and plant list attached. We will do the actual planting ourselves following his plan. You will see his estimate for installation of a french drain included as a separate line item in the bid.

Total projected cost
$1553.41 for site prep, $500-$600 for plants

I give my consent to use photos provided in promotional materials. (Identifying information will be removed before use.)
Yes, I give Bridging The Gap and Johnson County, including any city in the county, permission to use my photos in promotional materials and advertising.

BEFORE

AFTER

AFTER

Rain Garden Inspection Report

Applicant: [redacted]Clark Dr., Roeland Park, KS 66205

Date of Inspection: October 4, 2019

Observations:

Nancy has consulted with Down To Earth Services, and the design and estimate provide a good scope for her project. The backyard catchment area is going to be depositing into a 150' long French drain, buried and wrapping the corner of the house. Two downspouts are teed into the corrugated piping below ground, contributing +/- 25% of the roof runoff to the drainage system as well. Terminating downslope in a 300 square foot rain garden basin, the drainage solution will alleviate basement flooding, and retain up to 3000 gallons of runoff per rain event. I recommend pre-approval of this application, as the homeowner is concerned about meeting the deadline for the CTR reimbursement window.

To Note:

Rip rap will be placed at the inflow and overflow points in the basin berm, and the drain tile will daylight at the mouth of the basin, providing sheet flow to the plantings without contributing to erosion problems. Plant selection and installation will be completed by the homeowners themselves, and 2 follow up inspections will be conducted by DTE staff. All plants in the design are approved for reimbursement. The location of the garden had been shifted to comply with city easement & ROW regulations and is currently set to be sited in an acceptable location.

Follow up inspection:

On October 24, 2019 the post-installation inspection took place, and the project has been executed well within the application window and meets all requirements for the full amount of possible reimbursement. Only the costs of the rain garden itself are eligible for reimbursement, as the French drain is an auxiliary piece of the overall stormwater solution, not directly applicable to the Contain The Rain program.

Down To Earth Services
16010 E. 85th St
Kansas City, MO 64139 US
dtellc13@gmail.com
dtekc.com

Invoice 1406

BILL TO
[redacted]

DATE	PLEASE PAY	DUE DATE
10/08/2019	**$0.00**	10/11/2019

DESCRIPTION	QTY	RATE	AMOUNT
French Drain Install	1	1,788.82	1,788.82
Rain Garden Install Rain Garden bed prep	1	1,553.41	1,553.41
Native Plant Material 116 plants	1	494.25	494.25

PAYMENT 3,836.48

TOTAL DUE $0.00

PAID

THANK YOU.

Submitted on: 04/19/2019 02:03:46 PM
Completion time: 27 min. 4 sec.

Q. First Name
[redacted]

Q. Last Name
[redacted]e

Q. Email
[redacted]

Q. Mobile Phone
[redacted]

Q. Street Address
[redacted]Roe Blvd

Q. City
R. Roeland Park

Q. State
R. KS

Q. Zipcode
R. 66205

Q. I am the homeowner.
R. Yes

Q. Select Project Type
R. - Native Trees

Q. Please describe the project. Include in your description where the project is located on your property; the type of plants/trees planted, if applicable; and the total cost of your project.
R. On the north west corner of the property in the back yard behind the house we have planted a new tree. It is a native sugar maple tree. The tree project cost $264.98.

Q. Total cost of Native Plants. (Enter 0 if not applicable.)
R. 0

Q. Total cost of Native Trees. (Enter 0 if not applicable.)
R. $249.99

Q. Total cost of Rain Barrels. (Enter 0 if not applicable.)
R. 0

Q. I give my consent to use photos provided in promotional materials. (Identifying information will be removed before use.)
R. No, please do not use my photos beyond what is needed to approve this application.

BEFORE

AFTER

Corporate Offices:

PO Box 480200
Kansas City, MO 64148
816 941 4700

SUBURBAN lawn & garden Inc.

105th & Roe Ave
913 649 8700
135th & Wornall
816 942 2921
K7 Hwy & Prairie Star Pkwy
913 897 5100

CUST NO:	JOB NO:	PURCHASE ORDER:	REFERENCE:	TERMS:	CLERK:	DATE / TIME:
850580	000			CASH/CHECK/BANKCARD	JRR	3/31/19 3:49

TERMINAL: 301

SOLD TO:
[redacted]
ROELAND PARK KS 66205

SHIP TO:
SAME

DEL. DATE: 4/15/19

TAX: LC ROELAND PARK / JOHNSO

ORDER: 7461

LINE	SHIPPED	ORDERED	UM	SKU	DESCRIPTION	SUGG	UNITS	PRICE/ PER	EXTENSION
1		1	EA	MAFE15G	MAPLE, AUTUMN FEST 15 GALLON	249.99	1	249.99 /EA	249.99
2					***ITEM ABOVE IS TO BE PLANTED**				
3		1	EA	GWTRE16	MYKE TREE AND SHRUB 1.4 QT		1	14.99 /EA	14.99
5					TAKE AND APPLY MYKES				
6									
7					CUSTOMER TOOK BELOW HOME				
8		1	EA	TRSAN6	SANSEVIERIA 6"		1	16.99 /EA	16.99
9		1	EA	BOCO73038	COCO LINER, ROUND 12"		1	2.99 /EA	2.99
10		1	EA	PANA84166	COCO LINER, ROUND 10"		1	1.99 /EA	1.99
					(785) 844-9028				

TAXABLE	286.95
NON-TAXABLE	0.00
SUBTOTAL	286.95
TAX AMOUNT	26.47
TOTAL	313.42

313.42

DEPOSIT AMT 313.42
BALANCE DUE 0.00

BANKCARD PAYMENT
BKCRD# XXXXXXXXXXXX3308

TOT WT: 0.00
MID: ***5630

APP: 03166R XR: 00746102

X _____
Received By

Roeland Park's Newsletter
(extracted pages only)

ROELAND PARK est 1951

The ROELAND PARKER

Jan/Feb 2019

2019

Wishing all a peaceful and happy New Year

Students at Roeland Park Schools Learn About the R Park Sculpture Project

First, Second and Third Graders at Roesland Elementary and St. Agnes Catholic Schools were taught about the R Park Sculpture Project by Mary Schulteis, Christine Weber, Laura Yankoviz, and Gretchen Davis, who are four members of the Project. The objective of the art class lesson was to learn about public art, specifically the sculpture by Jorge Blanco that will be installed in R Park in our City during May of 2019. The presentations were followed by art activities for the eager and engaged students so they could respond to Blanco's sculpture. Students were given information to take home to their families regarding entering the naming contest for the sculpture.

Money for R Park Sculpture is in Place! Sculptor Has Begun Work!

The Citizens Sculpture Initiative for R Park has announced that the fundraising goal of $62,600 for the R Park Sculpture Project has been met, thanks to the generous community spirit of 5 family foundations, 10 businesses and over 300 individuals. Blanco has begun the first phase of the public art piece by designing the work on a computer to make sure all the dimensions are correct. After this step, he will do technical drawings on paper which will be the blueprint for the heavy aluminum fabrication of the work. Blanco, an internationally-acclaimed artist, lives in Florida. The sculpture is expected to be installed in R Park around May of 2019.

Recycle your Christmas tree at the old pool site at 48th Street and Roe Boulevard from Dec. 26th to Feb. 2nd. Please remove all decorations, tinsel and lights. Regular trash or yard waste pick up will not pick up Christmas trees.

Recycle Right

Ditch the Bag and Free Your Recyclable

You think you're recycling right, but when plastic bags and wraps make it into your curbside recycle bin, they actually end up in the landfill. Why? Your recycling hauler doesn't accept these items as they end up jamming the recycling facility's equipment. Ensure your recycling efforts don't go to waste. Here's how:

Ditch The Bag

Plastic bags and wraps don't go in your curbside recycle bin. You can put them in your trash can or return grocery bags and clean wraps to several area grocery stores for recycling.

Free Your Recyclables

Bagged recyclables end up in the landfill. Instead, keep your recyclables loose in the bin.

For more information, visit jocogov.org/recycling101.

#DitchTheBag

In This Issue...

A City on the Move! Planning for the Future of Roeland Park

Planning Sustainable Places Project

Thanks to the Planning Sustainable Places (PSP) Initiative grant from the Mid-America Regional Council (MARC), the City of Roeland Park is working with a consultant to reimagine the future of the Roe Boulevard and Johnson Drive commercial corridors. The goal of the PSP project is to help the City explore transportation network improvements and enhance the quality of life and support long-term community growth. The City's consultant, Confluence, has led the process and created a task force that consists of members of the Governing Body, City and MARC staff, Planning Commissioners, residents and property owners/managers in the study area. Corridor plan goals include:

Roe Blvd & 48th St/Skyline Dr:

- Improve community center access
- Enhance transit & multi-modal opportunities
- Envision future development potential

Johnson Drive:

- Envision future redevelopment potential
- Enhance transit & multi-modal opportunities
- Explore Johnson Dr Streetscape integration

The Council is scheduled to adopt a plan in August. For more information on the plan, please visit www.roelandpark.net.

Comprehensive Plan Update

The comprehensive plan is the City's primary planning document and is designed to guide future actions of the community on land-use and reflects long-range goals for all activities in the City. In essence, it defines how we want our City to look in the future. Roeland Park is set to update its Comprehensive Plan starting in the fall of 2019. The process will include several public meetings. This is your opportunity as residents to help guide the direction of our community. Help us determine the future of Roeland Park and join us at a public meeting. If you would like to be on a list to be notified about our Comp Plan update, please email jjoneslacy@roelandpark.org.

City sells property at northeast Johnson and Roe

The Council approved the sale of 2.7 acres of city-owned real estate referred to as Northeast RJ at a special council meeting on July 1st. The developer SMG Investments LLC purchased the property for just over $1.2 million and plans to construct a 30,000 square foot, two-story medical office facility. No incentives were included in the sale agreement.

The developer will need to go through the development process with both the Cities of Roeland Park and Mission, as a small portion of the property is inside Mission's corporate limits. Citizens will be notified of future public hearings and meetings on the development.

2020 Budget

The process of developing the 2020 Budget is well underway and the public hearing for the budget is set for August 5th. 2020 is a big year for the City, key components of the proposed budget currently include

- $8.2 million for Roe Blvd Construction
- Anticipated issuance of $2 million in bonds for Parks & Recreation projects
- $800k to start construction for Aquatic Center enhancements
- $935k to complete pavilion and permanent restrooms in R Park
- Flat city mill levy of 28.531 mills
- A new Parks & Recreation Superintendent position with anticipation of City taking over management of the Aquatic Center in 2021

Full details of the City's proposed budget can be found on the City website. Email questions to jjoneslacy@roelandpark.org.

Roeland Park, Westwood and the Unified Government Join Forces with the Business Community to Host Inaugural Foodie Fest

Residents and visitors alike are invited to the inaugural Neighborhood Foodie Fest at the southwest corner of 47th Street and Mission Road (across from Taco Republic). The event will kick off branding of The 47, the business district along 47th Street and Rainbow. The Foodie Fest will feature food, drink, live music, kids activities and more! This is a free event with food and drink available for purchase.

Make your Sunday a Funday and join us as we celebrate The 47 and all the deliciousness it has to offer! More details to come at facebook.com/CityofRoelandParkKS.

Upcoming Events

- 2020 Budget Hearing: Aug 5, 6 p.m., Roeland Park City Hall
- City-Wide Garage Sale: Sept 5-8
- Community Shred & Electronic Recycling Event: Sept 21, 9 a.m. —noon; 4350 Shawnee Mission Parkway

Take the Mystery out of Curbside Recycling

We understand that knowing what to recycle curbside can be confusing. To help, use this cheat sheet approved by representatives at WCA. Remember to always rinse away food particles from recyclables and if it cannot be cleaned, toss it. **When in doubt, throw it out!**

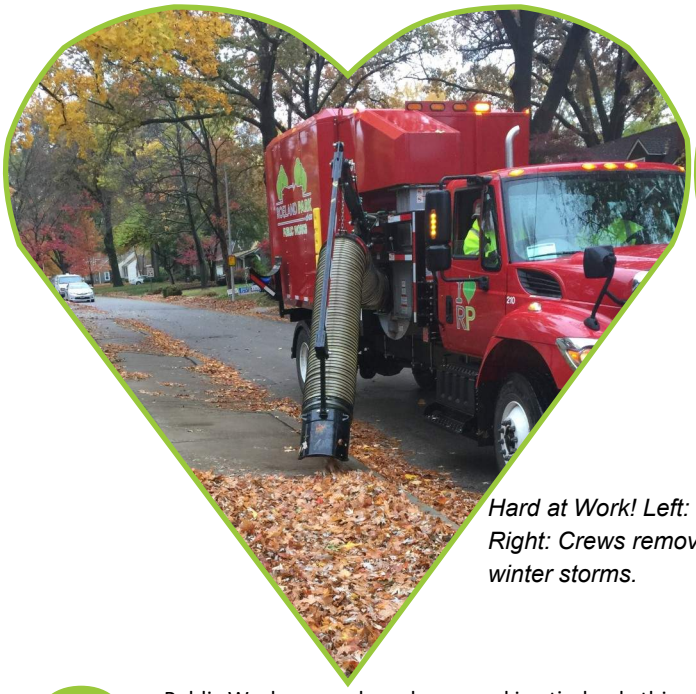
Yes, Recycle!

- *Paper:* opened mail, file folders, magazines, brochures, catalogs, blue prints, newspaper & inserts, office paper, phone books, paperback books
- *Cardboard & Paper Bags:* flatten
- *Paperboard:* paper egg cartons, paperboard food boxes, paper milk/juice containers (do not flatten)
- *#1-7 Plastic tubs, screw top jars, bottles and jugs*: No lids, no #7 PLA compostables, do not flatten.
- *Cans*: do not crush or flatten
- *Clean, balled aluminum foil and pie pans*
- *Loose metal jar lids & steel bottle caps*
- *Empty aerosol cans:* no caps
- *Clamshells:* Be sure to clean, clean, clean!

No, Not Available for Curbside Recycling!

- *Plastic bags*
- *Plastic lids & caps*
- *Windows*
- *Glass*
- *Scrap metal*
- *Tyvek envelopes*
- *Plastic 6-pack holders*
- *Needles or syringes*
- *Paper ream wrappers*
- *Plastic microwave trays*
- *Frozen food, ice cream or frozen juice containers*
- *Mirrors, ceramics or Pyrex*
- *Light bulbs, plates or vases*
- *Drinking glasses*
- *Plastics not listed*
- *Tissues, paper towels, napkins*
- *Waxed paper or cardboard*
- *Styrofoam*
- *Paper to-go containers*

Public Works—Working for You!



Hard at Work! Left: New leaf machine; Right: Crews removing brush from the winter storms.

Our Public Works crews have been working tirelessly this winter cleaning up after the recent destructive storms, plowing and salting our streets as well as conducting our usual leaf and brush collection. Under the direction of the new Public Works Director Donnie Scharff, crews have been able to complete leaf and brush collection while effectively managing snow and ice removal and the additional limb collection. Way to go guys!

Introducing Our New Public Works Director

Donnie Scharff started his new role as Public Works Director officially on December 27th. We asked Donnie some of our burning questions to get to know him better.

RP: How long have you been an employee of Roeland Park? **DS:** I started with RP on June 1, 2015 serving as the Public Works Superintendent.

RP: What do you hope to accomplish as Director? **DS:** My plan is to continue to build upon relationships within the community and develop creative new ideas to ensure that our city infrastructure is maintained efficiently and timely.

RP: What do you love about Roeland Park? **DS:** The positive interaction with residents on a daily basis. I enjoy the passion and creativity of our residents, committees, as well as the staff.

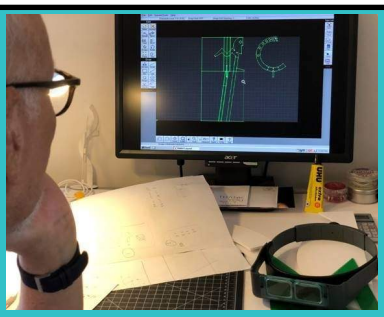
RP: Tell us something most people don't know about you. **DS:** I won a four day cruise to the Bahamas on a lottery scratcher ticket that my wife and I took for our honeymoon. Best $2 I ever spent!

RP: What motivates you? **DS:** Helping others be successful and empowering people brings me joy. Just knowing you can make a difference in someone's life is a great feeling.

Local Residents Donate Professional Services for R Park Sculpture

Two Roeland Park residents are generously donating their skills to the sculpture project by building the R Park sculpture foundation pad. Jared Luebe will create an engineered sketch for the foundation, and Jan Duncan, owner of Synergy Construction, will construct the concrete foundation by mid-April. Duncan will also provide the crews to help assemble and install the sculpture in R Park in early May, 2019.

With in-kind and monetary donations, staff help from the City, approval from the Council, support from the Arts and Parks Committees and dedicated work from the R Park Sculpture Work Group, this sculpture project truly has taken our entire village to succeed!



Artist Jorge Blanco is drawing detailed plans for the R Park sculpture being fabricated in Sarasota, Florida.

ROELAND PARK est 1951

The ROELAND PARKER

Oct/Nov 2019

Grants Available to Residents for Sustainable Landscape Solutions

During significant storms, many cities find they are getting a lot of calls from concerned homeowners about the effects of stormwater on their properties. During periods of heavy rains, residents can experience yard washout, foundation issues, and standing water on their properties. When rainwater washes into the storm drain, it can carry with it pollutants and litter and flows directly into our streams, rivers and lakes. One attractive and effective way to reduce the impact of heavy rains and help treat the rainwater before it washes into the storm sewer is to install a rain garden.

Roeland Park is teaming up with Johnson County and Bridging the Gap to provide reimbursements up to $1,000 to residents who apply and install rain gardens by November 30th. Residents can also receive reimbursements for other sustainable landscape solutions such as installing rain barrels, planting native trees or pollinator plants. Native plants and grasses have deeper root system than other species and better absorbs water and filters pollutants from stormwater before it reaches waterways. Visit www.containtherainjoco.com/application.html for full program details and to apply.

Rosewood Improvements

Construction on Rosewood is nearing completion. Expect the street to be fully functional by the end of October. Rosewood from 55th to Alder was part of the Residential Street Reconstruction program and will include new curbs, gutters, resurface, minor storm sewer repairs and a new sidewalk.

ROELAND PARK
est 1951

City Administrator
Keith Moody
kmoody@roelandpark.org

Finance Director/Asst. City Administrator
Jennifer Jones-Lacy
jjoneslacy@roelandpark.org

City Clerk
Kelley Bohon
kbohon@roelandpark.org

Police Department
Chief of Police, John Morris
emorris@roelandpark.org

Public Works Department
Donnie Scharff, Director
dscharff@roelandpark.org

Mayor—Mike Kelly
mkelly@roelandpark.org
(913) 722-2600

Ward 1—Jan Faidley
jfaidley@roelandpark.net
(913) 709-6812

Ward 1—Tom Madigan
tomrpks@gmail.com
(913) 526-6997

Ward 2—Jen Hill
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(913) 722-2600

Ward 2— Tim Janssen
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Ward 3— Erin Thompson
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(913) 667-9159

Ward 3—Claudia McCormack
cmccormack@roelandpark.org
(913) 722-2600

Ward 4—Jim Kelly
jkelly@roelandpark.org
(913) 722-2600

Ward 4— Michael Poppa
mpoppa@roelandpark.org
(913) 890-3809

RPPD News

2019 has been a busy and successful year for RPPD. We had a new officer graduate the Johnson County Community College Regional Police Academy. If you see Officer Suffield on the streets make sure you say hi! We promoted Officer Cliff Chaffee to Sergeant and placed Officer Gregg Schiffelbein in the School Resource Officer position at the Bishop Miege High School. Officer Schiffelbein has over 20 years of law enforcement experience and has been an SRO when he worked for a previous agency.

Our new motorcycle unit is now in service. The 2019 Harley Davidson motorcycle is outfitted with a computer and a digital ticketing system. The motorcycle unit is a valuable part of our traffic safety education and enforcement programs. We also have a new digital radar traffic monitoring trailer that is used for traffic safety statistics and visual reminder to motorists of their speed.

The Roeland Park K9 "Rango" has had many deployments and multiple successful searches for various contrabands and individuals. He has been at several community events for demonstrations of his talents in search and recovery. He has been a great addition to the department. RPPD Officers have hosted drug take back days as well, taking dozens of pounds of potentially harmful prescription drugs off the streets. Our drop box is always available in the front lobby for you to drop off those old prescription drugs. You can also pick up a free gun lock to safely secure firearms.

We hope you had a great summer. Just a reminder that schools are back in session, so please drive with caution. As always, call 911 for anything suspicious and stay safe out there.

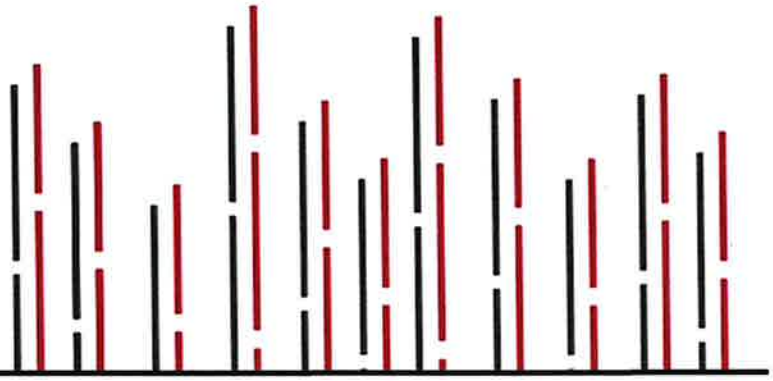
Event Calendar

- **Chili Dinner & Bingo**: October 9th, 5:30p.m., Roeland Park Community Center, $15 for Johnson County Residents
- **RPPD Safety Night:** October 23rd, 5:30-7:30 p.m., Roeland Park Community Center. FREE
- **Healthy Halloween Spooktacular:** October 26th, 9 a.m.—noon. FREE
- **Election Day:** Tuesday, November 5th, All Day
- **Veterans Day:** November 11th, City Offices Closed
- **Thanksgiving Holiday:** November 28th-29th, City Offices Closed.
- **Mayor's Tree Lighting:** December 5th, 6 p.m., Roeland Park Community Center
- **Art Reception, City Photo Contest:** December 13th, 6 p.m. City Hall

Roeland Park's SWPPP

LAMP
RYNEARSON

9001 State Line Rd., Ste. 200
Kansas City, MO 64114
[P] 816.361.0440
[F] 816.361.0045
LampRynearson.com



April 2019
Stormwater Pollution Prevention Plan (SWPPP)

For Construction Activities At:
2019 Neighborhood Street Reconstruction Project
Rosewood Street, between 55th to Alder
Roeland Park, Kansas

Prepared for:
City of Roeland Park, Kansas
4600 W. 51st St
Roeland Park, KS 66205

Project No. 0318001.3

Leaving a Legacy of
Enduring Improvements to
Our Communities
Lamp Rynearson Purpose Statement

TABLE OF CONTENTS

1. INTRODUCTION

1.1 Background

In 1972, Congress passed the Federal Water Pollution Control Act (FWPCA), also known as the Clean Water Act (CWA), to restore and maintain the quality of the nation's waterways. The goal was to make sure that rivers and streams were fishable, swimmable, and drinkable. In 1987, the Water Quality Act (WQA) added provisions to the CWA that allowed the EPA to govern storm water discharges from industrial activities.

The primary goals of the SWPPP will be to:

- Identify potential sources of pollutants that affect storm water discharges from the site;
- Describe the practices that will be implemented to prevent or control the release of pollutants in storm water discharges; and
- Create an implementation schedule to ensure that the practices described in this SWPPP are in fact implemented and to evaluate the plan's effectiveness in reducing the pollutant levels in storm water discharges.

1.2 SWPPP Content

This SWPPP includes all of the following:

- Identification of the SWPPP coordinator with a description of this person's duties;
- Identification of the SWPPP implementation team members;
- Description of the facility including information regarding the facility's location and activities as well as a site description, plans/maps, and a summary of the storm water drainage system;
- Identification of potential storm water contaminants;
- Description of storm water management controls and various Best Management Practices (BMPs) necessary to reduce pollutants in storm water discharge;
- Description of the facility monitoring plan; and a
- Description of the implementation schedule and provisions for amendment of the plan.

2. SWPPP CONTACTS

Contractor:

Project Inspector:	TBD City of Roeland Park 4600 W. 51st St Roeland Park, KS 66205 Phone/Cell:
Backup Inspector:	TBD City of Roeland Park 4600 W. 51st St Roeland Park, KS 66205 Phone/Cell:
Engineer:	Dan Miller PE 9001 State Line Road Ste 200 Kansas City MO 64114 Office: (816) 823-7228 Mobile: (816) 804-1230

All questions on the construction of this project shall be directed to the Project Inspector. If any question needs clarification, Inspector will consult with the Project Engineer.

3. PROJECT NARRATIVE

3.1 Project & Site Description

The City of Roeland Park, Kansas is currently preparing construction plans for 2019 Neighborhood Street Reconstruction Project – Rosewood Street, between 55th Street to Alder Drive. The project replaces deteriorated pavements and curbs, adds sidewalks and reconstructs driveways and bringing sidewalk ramps up to date to meet Americans with Disabilities Act (ADA) standards. Construction activities will commence on XXXX with an estimated completion date of XXXX.

The project area lies on Rosewood Street between 55th Street and Alder Drive in the Southwest Quarter of Section 4, Township 12S and Range 25E in Johnson County, Roeland Park, Kansas. The total area of the project is approximately 3.5 acres with a soil disturbing area of 1.25 acres. The project area is residential and contains portions of The Roeland Park Subdivision. Existing site conditions include residential development with paved roads and concrete curb and gutter. The site

has soils, which are classified by the USDA Natural Resources Conservation Service as Sharpsburg. This soil is described as a silty clay loam with 4 to 8 percent slopes.

Runoff from the project site is collected by curb inlets that all enter into the storm sewer system at Alder Drive or 55th Street and into a tributary of Brush Creek. The receiving water is the Kansas River. No net increase in stormwater runoff is anticipated, as this project is replacing the existing roadway.

3.2 Nature and Sequence of Construction Activity

There are five (5) major phases of the construction work:

1. Clearing and grading operations which include removal of existing pavement.
2. Installation of storm sewer pipe and inlets.
3. Construction of curb and gutter, sidewalks, and driveways.
4. Roadway paving operations.
5. Restoration

All phases will follow the following sequence of major activities: Install erosion control devices; followed by site clearing and grubbing, construction of storm sewer structures, any utilities and roadway/sidewalk/driveways, concluding construction with restoration of the site areas.

Erosion control devices include, but are not limited to, perimeter silt fences, inlet protection and temporary seeding. Restoration of the site includes matching of existing conditions (roads, driveways and grassy areas), as well as some permanent stabilization practices such as sod and seed the remaining areas. There will be no diversion or retaining of flows or runoff from exposed areas during construction.

3.3 Potential Sources of Pollution

The estimated total area to be disturbed is 1.45 acres. The primary potential sources of stormwater contamination for this project include soil disturbing activities and construction material spillage.

Soil disturbing activates will primarily include construction activities that will be structured and phased to minimize the disturbed areas within the project to protect to the extent, possible natural features and minimize soil disturbance.

<u>Soil disturbing activities include:</u>

- Removal of existing pavement
- Stripping and stockpiling of topsoil (The time for soil areas to be without vegetative cover is to be minimized to the extent practical)

- Excavation and fill required for achieving desired grades
- Compaction of subgrade
- Trenching for utilities
- Installation of storm pipe and inlets
- Restoration of disturbed areas (roadways and sidewalks)
- Landscaping/stabilization operations

3.4 Agency Coordination

No waters of the US are impacted by this project, as such, a United States Army Corp of Engineers permit is not necessary.

Although there are no known historical sites within the project area, a review from the Historic Preservation office is in progress.

Coordination with other agencies include:

- Kansas Department of Wildlife, Parks and Tourism (Track #)
- Kansas Department of Agriculture - Division of Water Resources (no permit required for this project)

4. BEST MANAGEMENT PRACTICES

The purpose of this section is to identify the types of erosion and sediment controls used during construction activities. The locations and details of these Best Management Practices (BMPs) are included in the Erosion and Sediment Control Plans. This section also addresses the control of other potential storm water pollutant sources.

4.1 Coordination with Construction Activities.

The Contractor will be responsible for implementing and maintaining the Best Management Practices (BMPs) through the course of construction. All BMPs shall be sequenced according to activities in the field as follows:

1. Clearing and grading will not occur in an area until it is necessary for construction to proceed.
2. Temporary perimeter sediment controls will be installed before any clearing and grading begins.
3. The stabilized construction site entrance will be constructed before clearing and grading begins.

4. Within 14 days of clearing and grading, areas not immediately affected by construction activities will be stabilized.

5. Soil stockpiles will be stabilized no later than 14 days from the last construction activity in that area.

6. Once earthwork activities ceases permanently in an area, that area will be stabilized

4.2 Erosion Control Measures

The following BMPs will be used to stabilize onsite soils and prevent erosion during construction:

1. Permanent sodding, temporary seeding, mulch cover etc. of disturbed areas when construction activities have temporarily or permanently ceased.

2. Mulch Cover of disturbed areas when ground cover is required and temporary or permanent seeding is not feasible.

3. Surface Roughening by means of grooving, tracking, disking or ripping of any rough graded slopes not yet ready for seeding or other treatment and which will not be disturbed for a period of 7 days.

4. Effective dust control measures such as adequate moisture content or approved dust suppressants shall be taken.

4.3 Sediment Control Measures

The following structural BMPs will be utilized to detain, filter or cause settlement of sediment from runoff, as well as measures used to temporarily direct or divert runoff onsite or at the site perimeter.

1. Silt fencing will be used as temporary perimeter sediment controls to divert or detain flows from exposed soils and limit runoff and discharge of pollutants from exposed areas of the site.

2. Filter bags will be placed to protect all storm sewer inlets and outlets on or near the site by filtering or temporarily impeding the flow sufficiently to reduce the quantity of sediment carried.

3. Accumulated sediment behind barriers, traps, etc., shall be removed when it exceeds the volumes specified for any particular measure.

4.4 Chemical and Waste Control Measures.

Materials or substances with known hazardous properties that are expected to be present on site during construction include:

- Concrete, Cleaning Solvents, Detergents, Paint Solvents, Petroleum based products, Fertilizers, Soil stabilizing additives
- Known pollutants are to be marked in Appendix B – Inspection Form 1

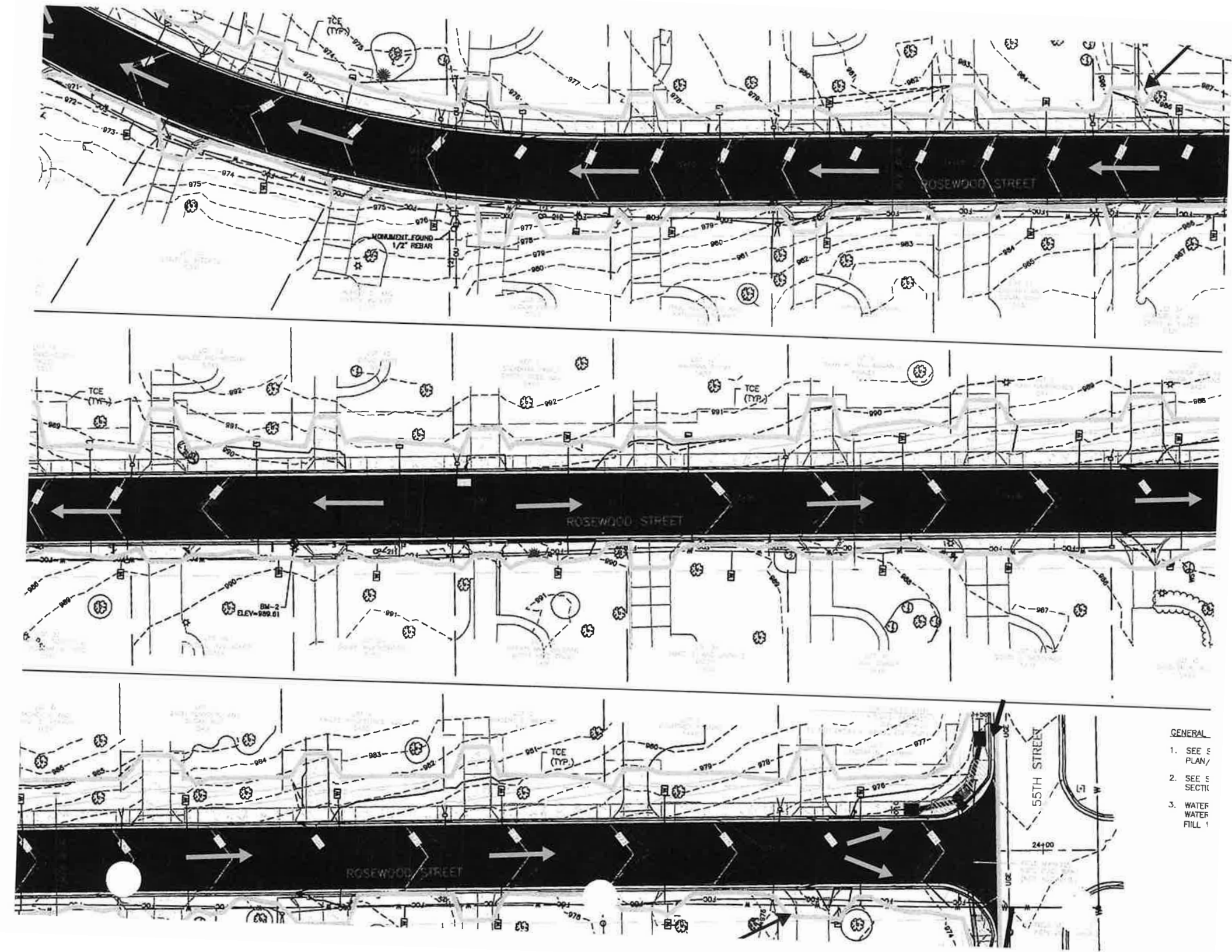
Management of materials and practices, outside of soil disturbing activities, shall be the responsibility of the Contractor. Such activities shall include, but not be limited to, the items shown below:

1. Waste Disposal - All waste materials will be collected and stored in securely lidded metal dumpsters. The dumpster will meet all local and state solid waste management regulations. All waste and construction debris from the site will be deposited in the dumpsters. The dumpster will be emptied on a periodical basis. No construction waste materials will be buried onsite.

2. Sanitary Waste - All sanitary waste will be collected from the portable units on a frequent, periodical basis by a licensed sanitary waste management contractor.

3. Concrete Waste from Concrete Trucks - Excess concrete and concrete wash water shall be returned to the concrete plant or deposited at a designated containment area on site, constructed in a manner to prevent run-off from entering the street, storm water drainage systems or waterways. Wash water may not be deposited in streets, curbs, gutters, storm drains, or waterways.

4. Hazardous Substances and Hazardous Waste - All hazardous waste materials will be disposed of in the manner specified by local or state regulation or by the manufacturer.


ROSEWOOD STREET
TCE (TYP.)
MONUMENT FOUND 1/2" REBAR
BM-2 ELEV=999.61
55TH STREET
24+00
GENERAL
1. SEE S PLAN/
2. SEE S SECTI
3. WATER WATER FIILL

APPENDIX A - PERMITS

Include the following permits in this section:

- *Notice of Intent (NOI) Submitted to KDHE.*
- *Copy of KDHE Issued Permit Letter and Permit Number*
- *Copy of KDHE General Permit for Construction*
- *Copy of KDWP/KSHS Clearance Letters (if applicable)*
- *Copy of Federal Permits (relevant federal permits including, but not limited to, Corp of Engineers 404 Dredge and Fill Permits)*
- *Copy of City of Roeland Park Land Disturbance Permit*

LAMP
RYNEARSON

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Kansas City, MO 64114
[P] 816.361.0440
[F] 816.361.0045
LampRynearson.com

April 17th, 2019

Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612

RE: 2019 Neighborhood Street Reconstruction Project (NSRP), Roeland Park, Kansas

We are submitting the requirements for drainage improvements to Rosewood Street, between 55th Street and Alder Drive in Roeland Park, Kansas in accordance with the Notice of Intent application.

The project replaces deteriorated pavements and curbs, adds sidewalks and reconstructs driveways and bringing sidewalk ramps up to date to meet Americans with Disabilities Act (ADA) standards.

Soil disturbing activities include:

- Removal of existing pavement
- Stripping and stockpiling of topsoil (The time for soil areas to be without vegetative cover is to be minimized to the extent practical)
- Excavation and fill required for achieving desired grades
- Compaction of subgrade
- Trenching for utilities
- Installation of storm pipe and inlets
- Restoration of disturbed areas (roadways and sidewalks)
- Landscaping/stabilization operations

Erosion and Sediment Control

The following BMPs will be used to stabilize onsite soils and prevent erosion during construction:

- Permanent sodding, temporary seeding, mulch cover etc. of disturbed areas when construction activities have temporarily or permanently ceased.
- Mulch Cover of disturbed areas when ground cover is required, and temporary or permanent seeding is not feasible.
- Surface Roughening by means of grooving, tracking, disking or ripping of any rough graded slopes not yet ready for seeding or other treatment and which will not be disturbed for a period of 7 days.
- Effective dust control measures such as adequate moisture content or approved dust suppressants shall be taken.

The following structural BMPs will be utilized to detain, filter or cause settlement of sediment from runoff:

- Silt fencing will be used as temporary perimeter sediment controls to divert or detain flows from exposed soils and limit runoff and discharge of pollutants from exposed areas of the site.
- Filter bags will be placed to protect all storm sewer inlets and outlets on or near the site by filtering or temporarily impeding the flow sufficiently to reduce the quantity of sediment carried.
- Accumulated sediment behind barriers, traps, etc., shall be removed when it exceeds the volumes specified for any particular measure.

Agency Coordination

Agency coordination has been submitted for KSHS and KDWPT as of April 9th, 2019. Coordination emails are attached.

- Kansas State Historic Preservation Office (KSR&C #19-04-054)
- Kansas Department of Wildlife, Parks and Tourism (Track # in progress)
- United States Army Corp of Engineers – not required
- Kansas Department of Agriculture-Division of Water Resources – not required

Attachments

- KDHE NOI Application
- Project Area Map
- Plan Sheets of the ESC layout with details and drainage area layout
- Agency Coordination Emails

If you have any questions on the project, please do not hesitate to contact me at dan.mcghee@lamprynearson.com or (816) 360-0440.

Sincerely,
Lamp Rynearson

Dan McGhee, P.E.

cc: Project File L:\Engineering\0318001.03 Roeland Park, KS 2019 NSRP\DOCUMENTS\PERMITS AGREEMENTS AND APPROVALS\NOI\0318001.03 - Cover Letter NOI April 2019.docx

NOTICE OF INTENT (NOI)

For Authorization to Discharge Stormwater Runoff from Construction Activities
In accordance with the Kansas Water Pollution Control General Permit
Under the National Pollutant Discharge Elimination System (NPDES)

Submission of this Notice of Intent constitutes notice that the party identified in Section I of this form requests authorization for coverage under the Kansas Water Pollution Control general permit, or KDHE issued successor permits, issued for stormwater runoff from construction activities in the State of Kansas. Becoming a permittee obligates the discharger to comply with the terms and conditions of the general permit. **Completion of this NOI does not provide automatic coverage under the general permit. Coverage is provided and discharge permitted when the Kansas Department of Health and Environment (KDHE) authorizes the discharge of stormwater runoff from the construction activities identified on the NOI and supporting documentation. A signed and dated copy of the first page of the NOI indicating the Authorization will be provided to the owner or operator, or all three pages for Conditional Authorizations.** Upon authorization of the construction activity discharge, a Kansas permit number and a Federal permit number will be assigned to the construction project. **A complete request for Authorization for coverage under the general permit must be submitted or the request will not be processed (see listing on Page 3 of this NOI).** KDHE will notify owners or operators whose Notice of Intent (NOI) and supporting documentation for Authorization of stormwater runoff associated with construction activities are incomplete, deficient, or denied.

Please Print or Type.

I. OWNER OR OPERATOR ADDRESS, BILLING, CONTACT & RECORDS LOCATION INFORMATION

A. Owner or Operator's Name: Donnie Scharff
Company Name: City of Roeland Park KS
Owner or Operator's Phone: 913-722-2600
Mailing Address: 4600 W 51st Street
City: Roeland Park State: KS Zip: 66205
E-mail Address (optional): dscharff@roelandpark.org

B. Billing Contact Name: same as owner
Billing Contact Phone:
Billing Address (if different):
City: State: Zip:
E-mail Address (optional):

C. Contact Name: Dan McGhee
Company Name: Lamp Rynearson
Contact Phone: 816-361-0440
Mailing Address: 9001 State Line Road Suite 200
City: Kansas City State: MO Zip: 64114
E-mail Address (optional): dan.mcghee@lamprynearson.cor

D. Address where records will be kept (if not on-site):
Records Address: 4600 W 51st Street
City: Roeland Park State: KS Zip: 66205

II. SITE INFORMATION, Type of Request: ☐ New Permit Authorization ☐ Modification of Existing Permit Authorization

A. Project Name: 2019 Neighborhood Street Reconstruction Project
Site Address: Rosewood Street, between 55th St & Alden Dr.
City: Roeland Park State: KS Zip: 66205
(Nearest City to Project)
County: Johnson

B. LEGAL SITE DESCRIPTION:
SE& NE QTR of SW QTR of SW QTR Section: 4
Township: 12 South; Range: 25 ■ E ☐ W
Latitude: 39 01 50.3, Longitude: -94 38 45.16
Deg. Min. Sec. Deg. Min. Sec.

For Official Use Only:

Received	Amount Paid:	
	Date:	Reviewer
	Initials:	Authorized: ☐ Y; ☐ N
	Check No.:	Is Authorization Conditional? ☐ Y; ☐ N (if yes, see page 3 of NOI for conditions)

Authorized by:

Secretary, Kansas Department of Health and Environment — Date

KS Permit No.: — Federal Permit No.:

completed 3 page NOI form with original signature
ll appropriate submittals (see page 3 of NOI) to:

Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612-1367

Note: A copy of the permit can be obtained at: www.kdheks.gov/stormwater or by submitting a written request to KDHE.

KDHE Contact Information:
Phone: (785) 296-5545
E-mail: kdhe.stormwater@ks.gov

C. Existing Conditions/Uses

1) Is any part of the project located on Indian Country land? ☐ Y; ■ N
If yes: Contact EPA regarding discharging stormwater runoff from industrial activities on Indian Country land.

2) If stormwater runoff drains to or through a Municipal Separate Storm Sewer System (MS4): MS4 Name: Roeland Park, Kansas

3) Name of the first receiving water, stream, or lake: Brush Creek, River Basin: Kansas River

4) Are contaminated soils present on the site or is there groundwater contamination located within the site boundary? ☐ Y; ■ N
If yes: On separate paper describe in detail the locations and concentrations of the contaminants.

5) Are there any contaminated soils that will be disturbed or any contaminated groundwater that will be pumped by the proposed construction activity? ☐ Y; ■ N
If yes: On separate paper describe the special procedures and erosion and sediment control measures to be implemented to eliminate or minimize the potential to discharge the soil and/or groundwater contaminants.

6) Are there any surface water intakes for public drinking water supplies located within ½ mile of the site discharge points? ☐ Y; ■ N

7) Are there any known historical or archeological sites present within the site boundary or any historic structures located within 1000 feet of the project site? ☐ Y; ■ N
Note: Include documentation of project-specific coordination with the Kansas Historical Society in making this determination.

8) Is any threatened or endangered species habitat located within the site boundary or in the receiving water body? ☐ Y; ■ N
Note: Include documentation of project-specific coordination with the Kansas Department of Wildlife, Parks & Tourism in making this determination.

9) Will the project impact the line or grade of a stream or does it include dredge or fill of a potential jurisdictional water body or wetlands? ☐ Y; ■ N
If yes: Include documentation of project-specific coordination with the US Army Corps of Engineers and/or the Kansas Department of Agriculture, Division of Water Resources in making this determination.

10) Are any Critical Water Quality Management Areas, Special Aquatic Life Use Waters, or Outstanding National Resource Waters located within ½ mile of the facility boundary? ☐ Y; ■ N

If yes: List the names of all such areas and waters: _____

D. Project Description

1) Project Description: The project replaces deteriorated pavements and curbs, adds sidewalks and reconstructs driveways and bringing sidewalk ramps up to date to meet Americans with Disabilities Act (ADA) standards.

2) Does this NOI include all proposed soil disturbing activities associated with the entire common plan of development? ■ Y; ☐ N

If no: Explain what development areas of the site are not included in this NOI and provide contact information, if available, for the party or parties that own or have operational control of these areas:

3) Anticipated project Start Date: 2019, and Completion Date: 2019

4) Estimated total area to be disturbed: 1.45 Acres Total area of the site: 3.5 Acres

5) Do you plan to disturb ten or more acres that are within a common drainage area? ☐ Y; ■ N

If yes: Will a sedimentation basin be installed in that drainage area? (Attach design calculations for each sedimentation basin.) If a sediment basin is not feasible, on a separate sheet describe similarly effective erosion and sediment control measures to be implemented in lieu of a sedimentation basin. ☐ Y; ☐ N

E. Maps

Include an area map showing the outline of the construction site and the topographic features of the area at least one mile beyond the project site.

F. Erosion Control Plan and Best Management Practices

1) Provide a summary of the sequence of major soil disturbing activities including installation of the corresponding stormwater management pollution control features.

2) Provide one or more site plans covering the anticipated soil disturbing activities showing the limits of disturbance, the existing and proposed elevation contours, the types and locations of erosion/sediment control measures and stormwater management/pollution control features during each phase of construction and the locations where stormwater runoff leaves the construction site.

3) Provide a description of the best management practices to be utilized to control erosion and the discharge of sediment and other pollutants in stormwater runoff throughout construction and the design calculations for each sediment basin including total drainage area and storage capacity below the elevation of the mass volume flow outlet device.

4) Provide the name and License or Certification Number of the engineer, geologist, architect, landscape architect, or Certified Professional in Erosion and Sediment Control (CPESC) under which the construction stormwater pollution prevention plan has been developed.

Mark Daniel McGhee Jr., PE	KS20773	Engineer
Name	License or Certification Number	Profession or Field (Engineer, Architect, etc.)

III. ANNUAL FEE

Enclose a check for the first year of the annual permit fee specified in K.A.R. 28-16-56 et seq. as amended. Make the check payable to "KDHE". Per K.A.R. 28-16-56, as amended, the current annual permit fee for this general permit is $60. An invoice for the annual permit fee will be sent to the contact person requesting a permit until such time as the permittee submits a Notice of Termination (NOT).

Failure to pay the annual fee will result in termination of the construction stormwater discharge Authorization.

IV. OWNER OR OPERATOR CERTIFICATIONS

I, the undersigned, certify that a Stormwater Pollution Prevention Plan (SWP2 Plan) will be or has been developed for the construction site described in this NOI and supporting documentation. I further certify that the plan will be implemented at the time construction begins, and, as required by the NPDES general permit for Stormwater Runoff from Construction Activity, will revise the SWP2 plan if necessary.

I understand that continued coverage under the NPDES general permit for Stormwater Runoff from Construction Activities is contingent upon maintaining eligibility as provided for in the requirements and conditions of the general permit, and paying the annual fee.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

[signature]	12-9-19
Signature (owner or operator)	**Date**

Donnie Scharff, Public Works Director
Name and Official Title (Please print or type. **Form with original signature must be sent to KDHE.)**

Conditions of Authorization - For Official Use Only:

When indicated, Conditions of Authorization are as follows:

A complete request for Authorization for coverage under the general permit must be submitted or the request will not be processed. A complete request for Authorization includes:

- **An NOI form (construction stormwater) with an original authorized signature;**
- **The annual permit fee for the first year; ($60.)**
- **An area map showing the outline of the construction site and the general topographic features of the area at least one mile beyond the project site boundary;**
- **Sequence of major soil disturbing activities including installation of stormwater management and pollution control features;**
- **A detailed site plan/plans showing the limits of disturbance, existing and proposed contours, erosion and sediment control features, locations where stormwater runoff leaves the construction site;**
- **A narrative summary of the additional erosion and sediment control and other best management practices that will be utilized to prevent or reduce contamination of stormwater runoff from the construction activities;**
- **Total drainage area, storage capacity and design calculations for each sedimentation basin; and**
- **Copies of letters or e-mails documenting coordination with appropriate local, state or federal agencies.**

Kansas
Department of Health and Environment

KANSAS DEPARTMENT OF HEALTH & ENVIRONMENT

For your convenience, enclosed is a copy of a construction stormwater permit that has been issued for one of your projects. The owner/operator is considered to be the permit holder and will be responsible for the annual permit fee until the project is complete.

Stormwater Coordinator
Kansas Department of Health & Environment
Bureau of Water – Industrial Programs
1000 SW Jackson – Ste. 420
Topeka, KS 66612-1367

Phone: (785) 296-5517
Fax: (785) 599-4257

permits / NOI KDHE Approval RECEIVED JUN - 3 2019 LAMP RYNEARSON

NOTICE OF INTENT (NOI)

Kansas Department of Health and Environment

For Authorization to Discharge Stormwater Runoff from Construction Activities
In accordance with the Kansas Water Pollution Control General Permit
Under the National Pollutant Discharge Elimination System (NPDES)

Submission of this Notice of Intent constitutes notice that the party identified in Section I of this form requests authorization for coverage under the Kansas Water Pollution Control general permit, or KDHE issued successor permits, issued for stormwater runoff from construction activities in the State of Kansas. Becoming a permittee obligates the discharger to comply with the terms and conditions of the general permit. **Completion of this NOI does not provide automatic coverage under the general permit. Coverage is provided and discharge permitted when the Kansas Department of Health and Environment (KDHE) authorizes the discharge of stormwater runoff from the construction activities identified on the NOI and supporting documentation. A signed and dated copy of the first page of the NOI indicating the Authorization will be provided to the owner or operator, or all three pages for Conditional Authorizations.** Upon authorization of the construction activity discharge, a Kansas permit number and a Federal permit number will be assigned to the construction project. **A complete request for Authorization for coverage under the general permit must be submitted or the request will not be processed (see listing on Page 3 of this NOI).** KDHE will notify owners or operators whose Notice of Intent (NOI) and supporting documentation for Authorization of stormwater runoff associated with construction activities are incomplete, deficient, or denied.

Please Print or Type.

I. OWNER OR OPERATOR ADDRESS, BILLING, CONTACT & RECORDS LOCATION INFORMATION

A. Owner or Operator's Name: Donnie Scharff
Company Name: City of Roeland Park KS
Owner or Operator's Phone: 913-722-2600
Mailing Address: 4600 W 51st Street
City: Roeland Park State: KS Zip: 66205
E-mail Address (optional): dscharff@roelandpark.org

B. Billing Contact Name: same as owner
Billing Contact Phone:
Billing Address (if different):
City: State: Zip:
E-mail Address (optional):

C. Contact Name: Dan McGhee
Company Name: Lamp Rynearson
Contact Phone: 816-361-0440
Mailing Address: 9001 State Line Road Suite 200
City: Kansas City State: MO Zip: 64114
E-mail Address (optional): dan.mcghee@lamprynearson.com

D. Address where records will be kept (if not on-site):
Records Address: 4600 W 51st Street
City: Roeland Park State: KS Zip: 66205

II. SITE INFORMATION, Type of Request: ☐ New Permit Authorization ☐ Modification of Existing Permit Authorization

A. Project Name: 2019 Neighborhood Street Reconstruction Project
Site Address: Rosewood Street, between 55th St & Alden Dr.
City: Roeland Park State: KS Zip: 66205
(Nearest City to Project)
County: Johnson

B. LEGAL SITE DESCRIPTION:
SE & NE QTR of SW QTR of SW QTR Section: 4
Township: 12 South; Range: 25 ■ E ☐ W
Latitude: 39 01 50.3, Longitude: -94 38 45.16
Deg. Min. Sec. Deg. Min. Sec.

For Official Use Only:

Received: RECEIVED APR 22 2019 BUREAU OF WATER	Amount Paid: 60.00
	Date: 2019-04-22
	Initials: CS
	Check No.: 32415

Reviewer: Tanya O. Koch
Authorized: ☒ Y; ☐ N
Is Authorization Conditional? ☐ Y; ☒ N
(if yes, see page 3 of NOI for conditions)

Authorized by: Lee A. Norman MD
Secretary, Kansas Department of Health and Environment
Date: 5/22/19

KS Permit No.: S-KS63-0009
Federal Permit No.: KSR114712

Send completed 3 page NOI form with original signature and all appropriate submittals (see page 3 of NOI) to:

Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612-1367

Note: A copy of the permit can be obtained at: www.kdheks.gov/stormwater or by submitting a written request to KDHE.

KDHE Contact Information:
Phone: (785) 296-5545
E-mail: kdhe.stormwater@ks.gov

* Stabilize with mulch in addition to seeding, and complete stabilization activities within 14 days after soil disturbing ceases.

Project Name: 2019 Neighborhood Street Reconstruction Project

Notice of Intent (NOI)

C. Existing Conditions/Uses

1) Is any part of the project located on Indian Country land? ☐ Y; ■ N
If yes: Contact EPA regarding discharging stormwater runoff from industrial activities on Indian Country land.

2) If stormwater runoff drains to or through a Municipal Separate Storm Sewer System (MS4): MS4 Name: Roeland Park, Kansas

3) Name of the first receiving water, stream, or lake: Brush Creek, River Basin: Kansas River

4) Are contaminated soils present on the site or is there groundwater contamination located within the site boundary? ☐ Y; ■ N
If yes: On separate paper describe in detail the locations and concentrations of the contaminants.

5) Are there any contaminated soils that will be disturbed or any contaminated groundwater that will be pumped by the proposed construction activity? ☐ Y; ■ N
If yes: On separate paper describe the special procedures and erosion and sediment control measures to be implemented to eliminate or minimize the potential to discharge the soil and/or groundwater contaminants.

6) Are there any surface water intakes for public drinking water supplies located within ½ mile of the site discharge points? ☐ Y; ■ N

7) Are there any known historical or archeological sites present within the site boundary or any historic structures located within 1000 feet of the project site? ☐ Y; ■ N
Note: Include documentation of project-specific coordination with the Kansas Historical Society in making this determination.

8) Is any threatened or endangered species habitat located within the site boundary or in the receiving water body? ☐ Y; ■ N
Note: Include documentation of project-specific coordination with the Kansas Department of Wildlife, Parks & Tourism in making this determination.

9) Will the project impact the line or grade of a stream or does it include dredge or fill of a potential jurisdictional water body or wetlands? ☐ Y; ■ N
If yes: Include documentation of project-specific coordination with the US Army Corps of Engineers and/or the Kansas Department of Agriculture, Division of Water Resources in making this determination.

10) Are any Critical Water Quality Management Areas, Special Aquatic Life Use Waters, or Outstanding National Resource Waters located within ½ mile of the facility boundary? ☐ Y; ■ N

If yes: List the names of all such areas and waters: _____

D. Project Description

1) Project Description: The project replaces deteriorated pavements and curbs, adds sidewalks and reconstructs driveways and bringing sidewalk ramps up to date to meet Americans with Disabilities Act (ADA) standards.

2) Does this NOI include all proposed soil disturbing activities associated with the entire common plan of development? ■ Y; ☐ N

If no: Explain what development areas of the site are not included in this NOI and provide contact information, if available, for the party or parties that own or have operational control of these areas:

3) Anticipated project Start Date: 2019, and Completion Date: 2019

4) Estimated total area to be disturbed: 1.45 Acres Total area of the site: 3.5 Acres

5) Do you plan to disturb ten or more acres that are within a common drainage area? ☐ Y; ■ N

If yes: Will a sedimentation basin be installed in that drainage area? (Attach design calculations for each sedimentation basin.) ☐ Y; ☐ N
If a sediment basin is not feasible, on a separate sheet describe similarly effective erosion and sediment control measures to be implemented in lieu of a sedimentation basin.

E. Maps

Include an area map showing the outline of the construction site and the topographic features of the area at least one mile beyond the project site.

F Erosion Control Plan and Best Management Practices

1) Provide a summary of the sequence of major soil disturbing activities including installation of the corresponding stormwater management and pollution control features.

2) Provide one or more site plans covering the anticipated soil disturbing activities showing the limits of disturbance, the existing and proposed elevation contours, the types and locations of erosion/sediment control measures and stormwater management/pollution control features during each phase of construction and the locations where stormwater runoff leaves the construction site.

3) Provide a description of the best management practices to be utilized to control erosion and the discharge of sediment and other pollutant stormwater runoff throughout construction and the design calculations for each sediment basin including total drainage area and storage capacity below the elevation of the mass volume flow outlet device.

4) Provide the name and License or Certification Number of the engineer, geologist, architect, landscape architect, or Certified Professional in Erosion and Sediment Control (CPESC) under which the construction stormwater pollution prevention plan has been developed.

Mark Daniel McGhee Jr., PE	KS20773	Engineer
Name	License or Certification Number	Profession or Field (Engineer, Architect, etc.)

III. ANNUAL FEE

Enclose a check for the first year of the annual permit fee specified in K.A.R. 28-16-56 et seq. as amended. Make the check payable to "KDHE". Per K.A.R. 28-16-56, as amended, the current annual permit fee for this general permit is $60. An invoice for the annual permit fee will be sent to the contact person requesting a permit until such time as the permittee submits a Notice of Termination (NOT).

Failure to pay the annual fee will result in termination of the construction stormwater discharge Authorization.

IV. OWNER OR OPERATOR CERTIFICATIONS

I, the undersigned, certify that a Stormwater Pollution Prevention Plan (SWP2 Plan) will be or has been developed for the construction site described in this NOI and supporting documentation. I further certify that the plan will be implemented at the time construction begins, and, as required by the NPDES general permit for Stormwater Runoff from Construction Activity, will revise the SWP2 plan if necessary.

I understand that continued coverage under the NPDES general permit for Stormwater Runoff from Construction Activities is contingent upon maintaining eligibility as provided for in the requirements and conditions of the general permit, and paying the annual fee.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature (owner or operator) 4-11-19 Date

Donnie Scharff, Public Works Director
Name and Official Title (Please print or type. **Form with original signature must be sent to KDHE.)**

Conditions of Authorization - For Official Use Only:

When indicated, Conditions of Authorization are as follows:

A complete request for Authorization for coverage under the general permit must be submitted or the request will not be processed. A complete request for Authorization includes:

- **An NOI form (construction stormwater) with an original authorized signature;**
- **The annual permit fee for the first year; ($60.)**
- **An area map showing the outline of the construction site and the general topographic features of the area at least one mile beyond the project site boundary;**
- **Sequence of major soil disturbing activities including installation of stormwater management and pollution control features;**
- **A detailed site plan/plans showing the limits of disturbance, existing and proposed contours, erosion and sediment control features, locations where stormwater runoff leaves the construction site;**
- **A narrative summary of the additional erosion and sediment control and other best management practices that will be utilized to prevent or reduce contamination of stormwater runoff from the construction activities;**
- **Total drainage area, storage capacity and design calculations for each sedimentation basin; and**
- **Copies of letters or e-mails documenting coordination with appropriate local, state or federal agencies.**

Division of Environment
Curtis State Office Building
1000 SW Jackson St., Suite 400
Topeka, KS 66612-1367

Kansas
Department of Health
and Environment

Phone: 785-296-1535
Fax: 785-559-4264
www.kdheks.gov

Lee A. Norman, M.D., Secretary

Laura Kelly, Governor

RE: Authorization to Discharge Construction Stormwater Runoff
Kansas Water Pollution Control General Permit No. S-MCST-1703-1

Dear Permittee:

Enclosed is the authorization to discharge stormwater runoff under the referenced construction stormwater general permit at the construction site described therein. Please retain a copy of the authorization at the project site or at the records address identified on the Notice of Intent (NOI) form.

We suggest you carefully read the terms and conditions of the permit and understand these terms and conditions are enforceable under both State and Federal law.

A $60 annual permit fee will be due each year for the duration of this project. Once the construction has been completed and final stabilization has been achieved, please submit a Notice of Termination (NOT). After KDHE has accepted the NOT, permit coverage is terminated, and the annual general permit fee is no longer required. The NOT form is available at http://www.kdheks.gov/stormwater/index.html#construct.

For projects with multiple phases, only those included on the NOI addressed by this authorization will be covered. Additional phases will need to have an NOI submitted and authorized.

If you have any questions regarding the enclosed authorization to discharge, or coverage under the general permit, please contact me at (785) 296.5549 or by email at: kdhe.stormwater@ks.gov

Enclosure: Authorized NOI

Autumn Schleicher

m: Autumn Schleicher
Sent: Tuesday, April 9, 2019 4:11 PM
To: KDWPT.ess (kdwpt.ess@ks.gov)
Cc: 0318001.03 Roeland Park KS 2019 NSRP
Subject: Environmental Review - 0318001.03 - 2019 NSRP - Roeland Park KS
Attachments: 0318001.03 - KDWPT Env Review Packaged April 2019.pdf

We are requesting an environmental review for a proposed project in Roeland Park, Kansas. The project description and details can be found in the attached PDF which includes a letter, location map and general project design sheets for your reference.

Thank you kindly,

Autumn Schleicher

LAMP RYNEARSON
ormerly Larkin Lamp Rynearson

Autumn Schleicher, EIT
Project Engineer IV

[P] 816.823.7238 [A] 9001 State Line Rd., Ste. 200, Kansas City, MO 64114 [W] LampRynearson.com

Larkin Lamp Rynearson resulted from our merger into Lamp Rynearson in 2013. We have transitioned to a uniform Lamp Rynearson brand company-wide. ***Please note my email address is now: autumn.schleicher@lamprynearson.com.***
Same great people and service! Learn more at LampRynearson.com.

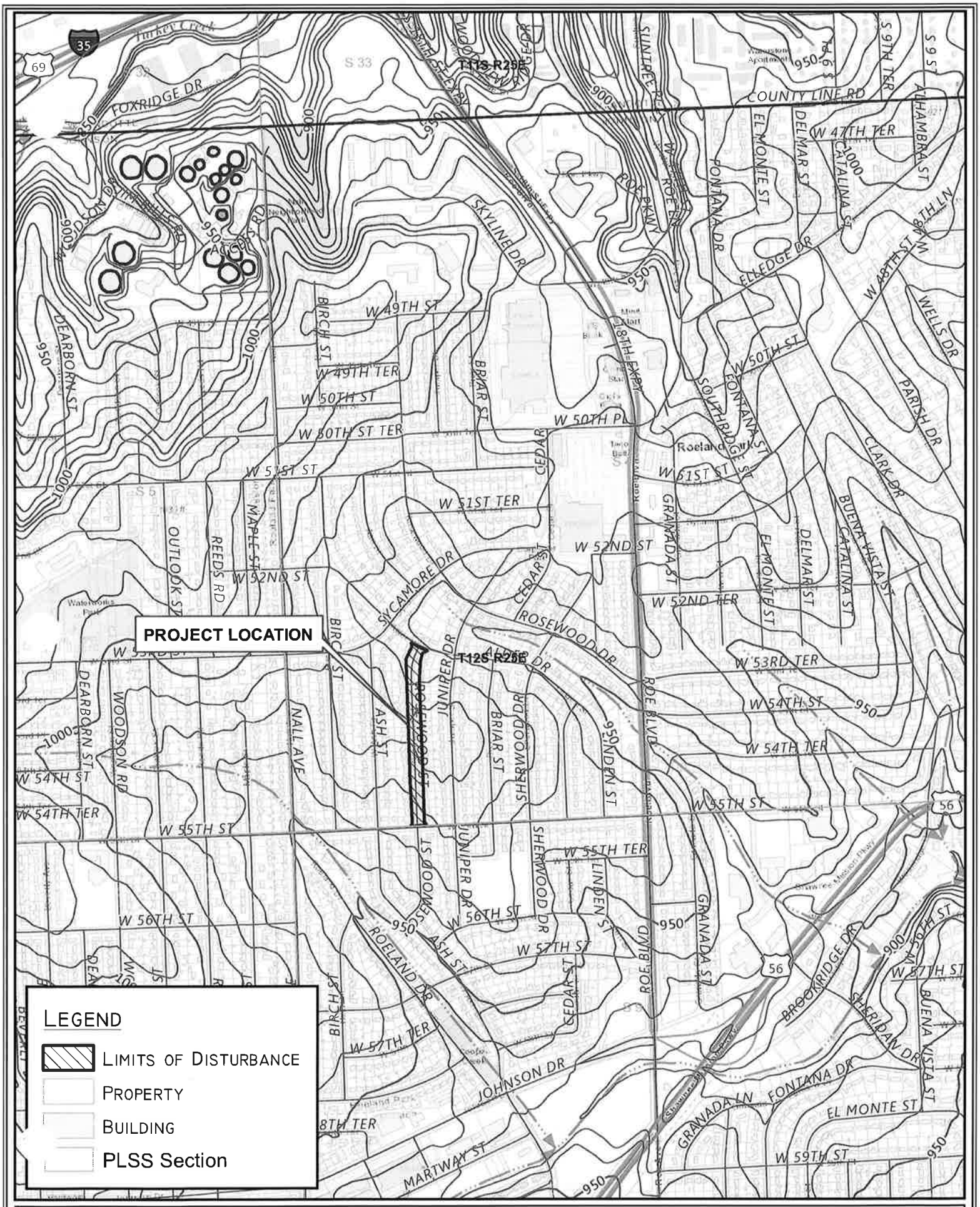
Autumn Schleicher

m: noreply@workflownotification.com
Sent: Tuesday, April 9, 2019 4:25 PM
To: Autumn Schleicher
Subject: [KSR&C] Project submission successful for 19-04-054 - 2019 Neighborhood Street Reconstruction Project

Thank you for submitting a request for project review. Your submission will be reviewed in the order it was received. Please note that state and federal laws provide SHPO staff 30 days for review and comment.

You may track the progress of your request by logging in at http://review.kshs.org/.

Use of this automated system is intended to facilitate review and consultation under state and federal preservation laws and may contain information that is confidential, privileged or otherwise protected from disclosure under applicable laws.


PROJECT LOCATION
T11S R25E
T12S R25E
LEGEND
LIMITS OF DISTURBANCE
PROPERTY
BUILDING
PLSS Section
0 245 490 980 FEET
1 INCH = 900 FEET
2019 NEIGHBORHOOD STREET RECONSTRUCTION
ROELAND PARK KS
LAMP RYNEARSON

APPENDIX B - INSPECTION FORMS

Insert the following forms in this section:

1. *Stormwoter Pollution Prevention Plon (SWPPP) Construction/Implementotion Checklist*
2. *Controctor's Approved Project Schedule*
3. *Controctor Certificotion Form - This form is to be completed by eoch Controctor responsible for instollotion, operotion, or mointenonce of any construction stormwoter best monogement proctices (BMPs) necessory to complete the requirements of the Stormwater Pollution Prevention Plon. This completed form must be included in, or kept with, the Stormwoter Pollution Prevention Plon for the project. The form con be found ot: http://www.kdheks.gov/stormwoter/downlood/Controctor_Certificotion_Form.pdf*
4. *Potentiol Pollutonts*
5. *Initiol Inspection Report – Initiol inspections will be conducted by the City Construction inspector prior to land disturbonce ond ofter initiol controls ore instolled.*
6. *Regulor Inspection Report Forms – The Controctor is responsible for conducting weekly ond ofter roin inspections ond correcting deficiencies.*
7. *BMP Checklist – The BMP checklist should be used when conducting regulor inspections.*
8. *Quolity Assuronce Inspection Forms – The City Construction Inspectors will conduct quolity ossuronce inspections thot include reviewing the Controctor's weekly inspections, following-up on deficiencies noted in regulor inspections ond ossessing the effectiveness of the erosion ond sediment control efforts. Quolity ossuronce reviews will be conducted on o monthly bosis; odditionol reviews will occur during o sequence chonge ond if there ore other speciol circumstances thot worront on inspection.*
9. *Finol Inspection Form – The finol inspection will be conducted by the City Construction inspector after the site is substontiolly stobilized.*
10. *Notice of Terminotion - Submission of the Notice of Terminotion (NOT) constitutes notice thot the porty relinquishes outhorizotion for coveroge under the Kansos Woter Pollution Control generol permit, or KDHE outhorized successor permits, issued for dischorge of Stormwoter Runoff from Construction for the construction octivity at the site nomed herein. Completion of the NOT does not outomoticolly relieve the former permittee of ony civil, criminol ond/or odministrotive penolties. The form con be found ot:*

    http://www.kdheks.gov/stormwoter/downlood/Notice_of_Terminotion.pdf

Optionol Forms:

Project Roinfoll Log Form – The roinfoll log can be used to record roinfoll omounts or the project teom con sign-up for emoil Erosion Control Alerts through Stormwatch visit,

http://www.stormwotch.com/weother/erosionControl.osp.

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) CONSTRUCTION/IMPLEMENTATION CHECKLIST

- ☐ Retain a copy of the SWPPP onsite
- ☐ Make SWPPP available upon request
- ☐ Signed certification forms in SWPPP
- ☐ Identify and record all potential sources of pollution to include: porta-pottys, fuel tanks, staging areas, waste containers, chemical storage areas, concrete cure, paints, solvents
- ☐ Describe what kind of construction or waste materials are expected to be stored on-site with updates recorded. Ex. Controls used to reduce pollutants from *these materials*
- ☐ Identify all operators for the project site and the areas of the site over which each operator has control.

Maintain Records of Construction Activities, including:

- ☐ Dates when major grading activities occur
- ☐ Dates when construction activities temporarily or permanently cease on a portion of the site
- ☐ Dates of rainfall and the amount of rainfall
- ☐ Dates and descriptions of the character and amount of any spills of hazardous materials
- ☐ Records of reports filed with regulatory agencies if reportable quantities of hazardous materials spilled

Prepare Inspection Reports summarizing:

- ☐ Name of inspector
- ☐ Measures/areas inspected
- ☐ Observed conditions
- ☐ Update or modify SWPPP to reflect changes at a site that effect discharge, or where inspections identify SWPPP/BMPs as ineffective
- ☐ Update SWPPP regarding modifications to BMPs within 7 days of such inspection
- ☐ Retain copies of inspection reports for 3 years from the date permit coverage is terminated

Report Releases of Reportable Quantities of Oil or Hazardous Materials within 24-hours of their occurrence:

- ☐ Notify National Response Center (800) 424-8802
- ☐ Notify the Kansas Division of Emergency Management: 24-hour Spill Response (800) 275-0297
- ☐ Kansas Department of Health and Environment: 24-hour Spill Response (785) 296-1679
- ☐ Spills that pose immediate threat to public safety shall be reported immediately to:
  - Roeland Park Fire Department at 911
  - Kansas Division of Emergency Management (800) 275-0297 or (785) 296-8013
- ☐ Modify the pollution prevention plan to include date of release, circumstances leading to the release and steps taken to prevent reoccurrence of the release

Modify Pollution Prevention Plan as necessary to:

- ☐ Comply with the minimum permit requirements when notified by **U.S. Environmental Protection Agency** or Kansas Dept. of Health and Environment that the plan does not comply
- ☐ Address a change in design, construction operation, or maintenance, which has an effect on the potential for discharge of pollutants
- ☐ Prevent reoccurrence of reportable quantity releases of a hazardous material or oil

POTENTIAL CONSTRUCTION SITE STORMWATER POLLUTANTS

(Indicate pollutants as appropriate)

	Trade Name Material	Chemical/Physical Description[1]	Storm Water Pollutants[1]
☐	Pesticides (insecticides, fungicides, herbicides, rodenticides)	Various colored to colorless liquid, powder, pellets, or grains	Chlorinated hydrocarbons, organophosphates, carbamates, arsenic
☐	Fertilizer	Liquid or solid grains	Nitrogen, phosphorous
☐	Plaster	White granules or powder	Calcium sulphate, calcium carbonate, sulfuric acid
☐	Cleaning solvents	Colorless, blue, or yellow-green liquid	Perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates
☐	Asphalt	Black solid	Oil, petroleum distillates
☐	Concrete	White solid	Limestone, sand
☐	Glue, adhesives	White or yellow liquid	Polymers, epoxies
☐	Paints	Various colored liquid	Metal oxides, Stoddard solvent, talc, calcium carbonate, arsenic
☐	Curing compounds	Creamy white liquid	Naphtha
☐	Wastewater from construction equipment washing	Water	Soil, oil & grease, solids
☐	Sanitary wastes/sewage	Water, fecal matter	Bacteria, ammonia, nutrients
☐	Wood preservatives	Clear amber or dark brown liquid	Stoddard solvent, petroleum distillates, arsenic, copper, chromium
☐	Hydraulic oil/fluids	Brown oily petroleum hydrocarbon	Mineral oil
☐	Gasoline	Colorless, pale brown or pink petroleum hydrocarbon	Benzene, ethyl benzene, toluene, xylene, MTBE
☐	Diesel fuel	Clear, blue-green to yellow liquid	Petroleum distillate, oil & grease, naphthalene, xylenes
☐	Kerosene	Pale yellow liquid petroleum hydrocarbon	Coal oil, petroleum distillates
☐	Antifreeze/coolant	Clear green/yellow liquid	Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc)
☐	Erosion	Solid Particles	Soil, sediment

[1] Data obtained from MSDSs when available

INITIAL INSPECTION OF EROSION AND SEDIMENT CONTROL

Project/LDP Number: 0318001.3 Date: Sept. 6, 2019
Contractor/Representative: FREEMAN CONCRETE
Evaluated by Construction Inspector: GLYN R POWERS

A. Project Overview

- How Many Acres Total Does the Project Disturb? 1.45
- Project Start Date: 9-6-19 Project End Date: 11-26-19
- Phase I start date?_____

B. Paperwork

- *Does the project have a Land Disturbance Permit? (Yes) No N/A
- *Is the SWPPP Notebook onsite? (Yes) No N/A

C. Site Preparation

- *Has the contractor installed temporary construction entrance(s) and are the vehicles using it? (Yes) No N/A
- *Is there a place for concrete wash-out, is it clearly marked and do concrete trucks appear to be using it? Yes No (N/A)
- *Is the site largely free of construction trash? (cups, lunch sacks, material packaging, etc.) (Yes) No N/A
- *Have perimeter sediment controls been installed? (Yes) No N/A
- *Have pre-construction controls been installed per the plan been installed? (Yes) No N/A
- *Have easily recognizable indications of the construction limits been installed? (fencing, staking, physical barriers) (Yes) No N/A

* Must be "yes" or N/A in order for inspection to be "satisfactory".

D. Approval

City staff initial for approval:

DS Land disturbance work **will** proceed, as this site has met all the initial standard requirements of the City of Roeland Park Erosion and Sediment Control measures.

_____ Land disturbance work **will not** proceed as this site has not met all the initial standard requirements of the City of Roeland Park Erosion and Sediment Control measures. The deficiencies below must be corrected in order to have a satisfactory inspection:

1._____
2._____
3._____
4._____

FINAL INSPECTION OF EROSION & SEDIMENT CONTROL

Project/LDP Number: 0318001.03 Date: 11-26-2019
Contractor/Representative: FREEMAN CONCRETE
Evaluated by Construction Inspector: COLTEN R POWERS

Project Overview

- How Many Acres Total Does the Project Disturb? 1.45
- Project Start Date 9-6-19 Project End Date 11-26-19

Paperwork

• Is the SWPPP Notebook onsite?	(Yes)	No	N/A
• Has a copy of the SWPPP been given to City staff	(Yes)	No	

Final Site Preparation*

• Has the concrete wash-out area been cleaned?	(Yes)	No	N/A
• Is the site free of construction trash? (cups, lunch sacks, material packaging, wood debris, etc.)	(Yes)	No	N/A
• Have perimeter sediment controls been taken down?	(Yes)	No	N/A
• Have indications of the construction limits been taken down? (fencing, staking, physical barriers)	(Yes)	No	N/A
• Has all the dirt on the site been covered?	(Yes)	No	N/A
• Have appropriate grasses/sod/trees been planted?	(Yes)	No	N/A
• Have the plants accepted?	Yes	No	(N/A)
• Have gutters and streets been cleaned of soil/trash?	(Yes)	No	N/A
• Have all erosion controls been removed?	(Yes)	No	N/A

** Must be " Yes" or N/A in order for inspection to be "satisfactory".*

Approval

City staff initial for approval:

DS A Compliance certificate **will be** submitted, as this site has met all the requirements of the City of Roeland Park Erosion and Sediment Control standards.

_____A Compliance certificate will **not** submitted until all above requirements of the City of Roeland Park Erosion and Sediment Control standards have been met. The items below must be completed in order to have a satisfactory inspection:

1._____
2._____
3._____
4._____

AMENDMENT LOG

Project/LDP Number: 2019 NSRP

Contractor/Representative:_____

Amend. No.	Date	Approved By	Describe Amendment in General (More details may be marked in the site map or noted in the daily inspection report)

Optional Form for Amendment Log- Use for major modifications that need approval, use site map or current amendment log for minor modifications.

SWPPP MODIFICATION REPORT FORM

Date Submitted: _____

Project/LDP Number: ____ _____

Contractor/Representative:_____

Submit To:			
Address:			
Telephone:			
Facsimile:			
Sent Via:	☐ **Facsimile**	☐ **Courier**	☐ **US Mail**

Authorized Author:_____ Title:_____

Company:_____ Project Role:_____

Signature:_____ Date:_____

Modifications Required to the STORMWATER POLLUTION PREVENTION PLAN:

_____

_____

_____

_____

_____

_____

Reasons for Modifications:_____

_____

_____

_____

PROJECT RAINFALL LOG FORM

Day	YEAR: 20 19 Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1 22									2"			
2 3										.59		
3 11										.49		
4												
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28												
29												
30												
31												
Total												

APPENDIX C - COMPLETED INSPECTION FORMS

EROSION AND SEDIMENT CONTROL INSPECTION REPORT FORM

Project Name and Location

Weather:
Cool 81/62

Rain in last 24 hrs (inches):
None

Owner / Permittee:
City of Roeland Park

A. Current Construction / Active Areas:
Demolition of Rosewood Street

Pollution Control Measures (BMP) Checklist:

- ↘ Inlet Barrier (ie: gravel bags)
- ____ Sediment Barriers (ie: ditch checks)
- ____ Erosion Blankets, Hydromulch / Seed, etc
- ↘ Stabilized Construction Entrance
- ____ Stream Crossings
- ____ Seed / Sod Areas
- ____ Sediment Basins & Discharge Locations
- ____ Borrow Areas
- ↘ General Site Condition (trash, etc)

B. Problem Areas / Special Observations(*Note problem areas ONLY below*):

BMP	Location	Observations, Effectiveness, & Corrective Actions Ordered

C. Listing of Areas where construction operations have permanently or temporarily stopped; stabilization measures initiated.

D. Have items noted on last inspection been corrected? Yes No (if No, Explain:)

Note: Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 7 days, unless otherwise noted. All other BMP's on site are considered to be in good working condition.

9/13/2019
Date of Inspection

Inspector Signature

6 Goals ● No Sediment Leaves the Site ● Lines of Defense Everywhere & Always ● Cover Quickly ● Protect the Swale, Ditch ,and Channel ● Keep Clean Water Clean ● Inspect, Clean & Fix

EROSION AND SEDIMENT CONTROL INSPECTION REPORT FORM

Project Name and Location

Weather:
Partly Cloudy 84/70

Rain in last 24 hrs (inches):
None

Owner / Permittee:
City of Roeland Park

A. Current Construction / Active Areas:
Demolition of Rosewood Street Completed.

Pollution Control Measures (BMP) Checklist:

- ↘ Inlet Barrier (ie: gravel bags)
- ____ Sediment Barriers (ie: ditch checks)
- ____ Erosion Blankets, Hydromulch / Seed, etc
- ↘ Stabilized Construction Entrance
- ____ Stream Crossings
- ____ Seed / Sod Areas
- ____ Sediment Basins & Discharge Locations
- ____ Borrow Areas
- ↘ General Site Condition (trash, etc)

B. Problem Areas / Special Observations(*Note problem areas ONLY below*):

BMP	Location	Observations, Effectiveness, & Corrective Actions Ordered

C. Listing of Areas where construction operations have permanently or temporarily stopped; stabilization measures initiated.

D. Have items noted on last inspection been corrected? Yes No (if No, Explain:)

Note: Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 7 days, unless otherwise noted. All other BMP's on site are considered to be in good working condition.

9/20/2019
Date of Inspection

Inspector Signature

6 Goals • No Sediment Leaves the Site • Lines of Defense Everywhere & Always • Cover Quickly • Protect the Swale, Ditch ,and Channel • Keep Clean Water Clean • Inspect, Clean & Fix

EROSION AND SEDIMENT CONTROL INSPECTION REPORT FORM

Project Name and Location

Weather:
Sunny 79/61

Rain in last 24 hrs (inches):
2" - 9/22/2019

Owner / Permittee:
City of Roeland PARK

A. Current Construction / Active Areas:
Demolition of Rosewood Street

Pollution Control Measures (BMP) Checklist:

- ✓ Inlet Barrier (ie: gravel bags)
- ___ Sediment Barriers (ie: ditch checks)
- ___ Erosion Blankets, Hydromulch / Seed, etc
- ✓ Stabilized Construction Entrance
- ___ Stream Crossings
- ___ Seed / Sod Areas
- ___ Sediment Basins & Discharge Locations
- ___ Borrow Areas
- ✓ General Site Condition (trash, etc)

B. Problem Areas / Special Observations(*Note problem areas ONLY below*):

BMP	Location	Observations, Effectiveness, & Corrective Actions Ordered

C. Listing of Areas where construction operations have permanently or temporarily stopped; stabilization measures initiated.

D. Have items noted on last inspection been corrected? Yes No (if No, Explain:)

Note: Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 7 days, unless otherwise noted. All other BMP's on site are considered to be in good working condition.

9/23/2019
Date of Inspection

Inspector Signature

6 Goals ● No Sediment Leaves the Site ● Lines of Defense Everywhere & Always ● Cover Quickly ● Protect the Swale, Ditch ,and Channel ● Keep Clean Water Clean ● Inspect, Clean & Fix

EROSION AND SEDIMENT CONTROL INSPECTION REPORT FORM

Project Name and Location

Weather: Cloudy 90/74

Rain in last 24 hrs (inches): Rain over the Weekend

Owner / Permittee: City of Roeland Park

A. Current Construction / Active Areas:

Demolition and Rebuild of Rosewood Street

Pollution Control Measures (BMP) Checklist:

- ↘ Inlet Barrier (ie: gravel bags)
- ___ Sediment Barriers (ie: ditch checks)
- ___ Erosion Blankets, Hydromulch / Seed, etc
- ↘ Stabilized Construction Entrance
- ___ Stream Crossings
- ___ Seed / Sod Areas
- ___ Sediment Basins & Discharge Locations
- ___ Borrow Areas
- ↘ General Site Condition (trash, etc)

B. Problem Areas / Special Observations(*Note problem areas ONLY below*):

BMP	Location	Observations, Effectiveness, & Corrective Actions Ordered

C. Listing of Areas where construction operations have permanently or temporarily stopped; stabilization measures initiated.

D. Have items noted on last inspection been corrected? Yes No (if No, Explain:)

Note: Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 7 days, unless otherwise noted. All other BMP's on site are considered to be in good working condition.

9/30/2019

Date of Inspection

Inspector Signature

6 Goals • No Sediment Leaves the Site • Lines of Defense Everywhere & Always • Cover Quickly • Protect the Swale, Ditch ,and Channel • Keep Clean Water Clean • Inspect, Clean & Fix

EROSION AND SEDIMENT CONTROL INSPECTION REPORT FORM

Project Name and Location

Weather: 63/48 Cloudy

Rain in last 24 hrs (inches): .59"

Owner / Permittee: City of Roeland Park

A. Current Construction / Active Areas:

Concrete DRIVEWAYS

Pollution Control Measures (BMP) Checklist:

- ✓ Inlet Barrier (ie: gravel bags)
- ___ Sediment Barriers (ie: ditch checks)
- ___ Erosion Blankets, Hydromulch / Seed, etc
- ✓ Stabilized Construction Entrance
- ___ Stream Crossings
- ___ Seed / Sod Areas
- ___ Sediment Basins & Discharge Locations
- ___ Borrow Areas
- ✓ General Site Condition (trash, etc)

B. Problem Areas / Special Observations(*Note problem areas ONLY below*):

BMP	Location	Observations, Effectiveness, & Corrective Actions Ordered

C. Listing of Areas where construction operations have permanently or temporarily stopped; stabilization measures initiated.

D. Have items noted on last inspection been corrected? Yes No (if No, Explain:)

Note: Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 7 days, unless otherwise noted. All other BMP's on site are considered to be in good working condition.

10-3-19

Date of Inspection

Inspector Signature

6 Goals ● No Sediment Leaves the Site ● Lines of Defense Everywhere & Always ● Cover Quickly ● Protect the Swale, Ditch ,and Channel ● Keep Clean Water Clean ● Inspect, Clean & Fix

EROSION AND SEDIMENT CONTROL INSPECTION REPORT FORM

Project Name and Location

Weather: Sunny 48/36

Rain in last 24 hrs (inches): .49

Owner / Permittee: City of Roeland Park

A. Current Construction / Active Areas:

Pouring Concrete for Driveways and Sidewalks

Pollution Control Measures (BMP) Checklist:

- ↘ Inlet Barrier (ie: gravel bags)
- ___ Sediment Barriers (ie: ditch checks)
- ___ Erosion Blankets, Hydromulch / Seed, etc
- ↘ Stabilized Construction Entrance
- ___ Stream Crossings
- ___ Seed / Sod Areas
- ___ Sediment Basins & Discharge Locations
- ___ Borrow Areas
- ↘ General Site Condition (trash, etc)

B. Problem Areas / Special Observations(*Note problem areas ONLY below*):

BMP	Location	Observations, Effectiveness, & Corrective Actions Ordered

C. Listing of Areas where construction operations have permanently or temporarily stopped; stabilization measures initiated.

D. Have items noted on last inspection been corrected? Yes No (if No, Explain:)

Note: Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 7 days, unless otherwise noted. All other BMP's on site are considered to be in good working condition.

10-11-19

Date of Inspection

Inspector Signature

6 Goals • No Sediment Leaves the Site • Lines of Defense Everywhere & Always • Cover Quickly • Protect the Swale, Ditch ,and Channel • Keep Clean Water Clean • Inspect, Clean & Fix

EROSION AND SEDIMENT CONTROL INSPECTION REPORT FORM

Project Name and Location

Weather:
48/41 Sunny

Rain in last 24 hrs (inches):
None

Owner / Permittee:
City of Rockland PARK

A. Current Construction / Active Areas:

Backfilling

Pollution Control Measures (BMP) Checklist:

- ↘ Inlet Barrier (ie: gravel bags)
- ___ Sediment Barriers (ie: ditch checks)
- ___ Erosion Blankets, Hydromulch / Seed, etc
- ↘ Stabilized Construction Entrance
- ___ Stream Crossings
- ___ Seed / Sod Areas
- ___ Sediment Basins & Discharge Locations
- ___ Borrow Areas
- ↘ General Site Condition (trash, etc)

B. Problem Areas / Special Observations(*Note problem areas ONLY below*):

BMP	Location	Observations, Effectiveness, & Corrective Actions Ordered

C. Listing of Areas where construction operations have permanently or temporarily stopped; stabilization measures initiated.

D. Have items noted on last inspection been corrected? Yes No (if No, Explain:)

Note: Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 7 days, unless otherwise noted. All other BMP's on site are considered to be in good working condition.

10-26-2019
Date of Inspection

Inspector Signature

6 Goals • No Sediment Leaves the Site • Lines of Defense Everywhere & Always • Cover Quickly • Protect the Swale, Ditch ,and Channel • Keep Clean Water Clean • Inspect, Clean & Fix