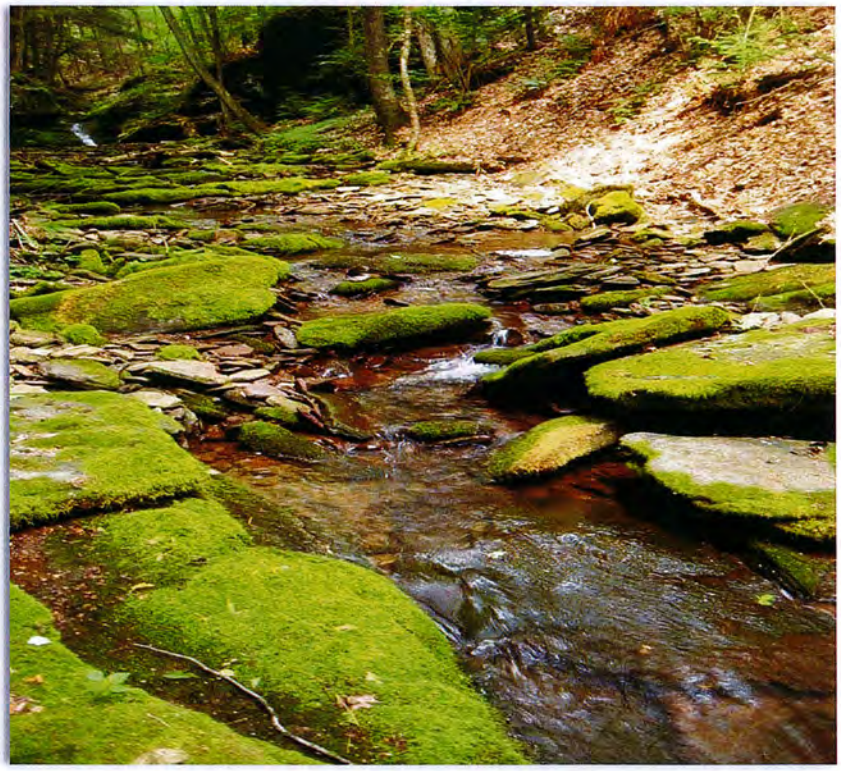
2013-2014 MS4 ANNUAL REPORT

Commonwealth of Pennsylvania

Prepared for:
York City, York County, PA
June 2014



Engineer's Project No. 0407.5.21.00

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pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) ANNUAL/PROGRESS REPORT

For the Reporting Period: March 15, 2013 to March 31, 2014

☒ **Annual Report** ☐ **Progress Report** **Year:** ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 (Renewal)
☐ **New Permittee** ☐ **Existing Permittee** **Due Date: June 29, 2014**

GENERAL INFORMATION

Permittee Name:	City of York	NPDES Permit No.:	PAG 13 - 133596
Mailing Address:	101 South George Street	Effective Date:	April 1, 2013
City, State, Zip:	York, PA 17401	Expiration Date:	March 31, 2018
MS4 Contact Person:	James E. Gross	Renewal Due Date:	October 2, 2017
Title:	Director of Public Works	Admin. Extended?	☐ Yes ☒ No
Phone:	(717) 849-2245	Municipality:	City of York
Email:	jgross@yorkcity.org	County:	York

Co-Permittees (if applicable): N/A

WATER QUALITY INFORMATION

Are there any discharges to waters within the Chesapeake Bay Watershed? ☒ Yes ☐ No

Identify all surface waters that receive stormwater discharges from storm sewers within the MS4 urbanized area and provide the requested information (see instructions).

Receiving Water Name	Ch. 93 Class.	Impaired?	Cause(s)	TMDL?	WLA?
Codorus Creek	WWF	Yes	Aquatic Life	No	No
UNT to Codorus (Poorhouse Run)	WWF	Yes	Aquatic Life	No	No
UNT to Codorus (Tyler Run)	WWF	Yes	Aquatic Life	No	No
Mill Creek	WWF	Yes	Aquatic Life	No	No
Willis Run	WWF	Yes	Aquatic Life	No	No
UNT to Willis Run	WWF	Yes	Aquatic Life	No	No
UNT to Codorus (Lightners Run)	WWF	Yes	Aquatic Life	No	No

Date TMDL Plan / Chesapeake Bay Pollutant Reduction Plan Submitted to DEP (if applicable): Currently working with York County on the Regional Chesapeake Bay Plan effort.

Identify any Wasteload Allocations (WLAs) identified in TMDLs for the MS4, if applicable. Identify the pollutant(s) and mass load(s)):

N/A

GENERAL MINIMUM CONTROL MEASURE (MCM) INFORMATION

Have you completed all MCM activities required by the permit for this reporting period? ☒ Yes ☐ No

Provide current contact name and phone number information for the required MCMs (if same as page 1, leave blank):

MCM	Contact Name	Phone
#1 Public Education and Outreach on Storm Water Impacts	James E. Gross	(717) 849-2245
#2 Public Involvement/Participation	James E. Gross	(717) 849-2245
#3 Illicit Discharge Detection and Elimination (IDD&E)	James E. Gross	(717) 849-2245
#4 Construction Site Storm Water Runoff Control	Relying on State Program	N/A
#5 Post-Construction Storm Water Management in New Development and Redevelopment	James E. Gross	(717) 849-2245
#6 Pollution Prevention/Good Housekeeping	James E. Gross	(717) 849-2245

MCM #1 – PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS

BMP #1: Develop, implement and maintain a written Public Education and Outreach Program

Measurable Goal: *For new permittees a Public Education and Outreach Program (PEOP) shall be developed and implemented during the first year of permit coverage and shall be re-evaluated each permit year thereafter and revised as needed. For renewal permittees, the existing PEOP shall be reviewed and revised as necessary. The permittee's PEOP shall be designed to achieve measurable improvements in the target audience's understanding of the causes and impacts of stormwater pollution and the steps they can take to prevent it.*

1. For new permittees only, attach the written PEOP or a summary thereof to the first report submitted to DEP.

2. Date of last evaluation of or revision to the PEOP: October 10, 2013

3. What were the plans and goals for public education and outreach for the reporting period?

   The City developed multiple activities for education and outreach to the public under the MCM 1 requirements. A description of all activities is found in the MCM 1 Project Plan found in the MCM 1 Appendix.

4. Did the MS4 achieve its goal(s) for the PEOP during the reporting period? ☒ Yes ☐ No

   Explain the rationale for your answer:

   The City can demonstrate that educational materials reached the target audience groups in a variety of methods. Summaries of educational activities are included in the MCM 1 Appendix.

5. Identify specific plans and goals for public education and outreach for the upcoming year:

   The City is constantly analyzing opportunities for education. The MS4 Taskforce will review the PEOP yearly, at a minimum, and modify it as deemed necessary.

BMP #2: Develop and maintain lists of target audience groups present within the areas served by your MS4

Measurable Goal: *For new permittees, the lists shall be developed within the first year of coverage under the permit and reviewed and updated as necessary every year thereafter. For renewal permittees, the lists shall continue to be reviewed and updated annually.*

1. For new permittees only, attach your target audience list(s) to the first report submitted to DEP.

2. Date of last review or revision to target audience list(s): October 10, 2013

BMP #3: Annually publish at least one educational material on your Stormwater Management Program

Measurable Goal: *For new permittees, stormwater educational and informational items shall be produced and published in print and/or on the Internet within the first year of permit coverage. In subsequent years (and for renewal permittees), the list of items published and the content in these items shall be reviewed, updated, and maintained annually. Your publications shall contain stormwater educational information that addresses one or more of the 6 MCMs.*

1. For new permittees only, attach your published stormwater educational or informational materials to the first report.
2. Date of last review and/or update to published stormwater education materials: October 10, 2013
3. MS4 Website URL (if applicable): http://yorkcity.org/stormwater-management/
4. Describe the method(s) used during the reporting period to provide information on stormwater to the public:
   A description of all methods utilized is represented in the MCM 1 Project Plan found in the MCM 1 Appendix.

5. Identify specific plans for the publication of stormwater materials for the upcoming year:
   The current means of education (the website, pamphlet kiosk, and television channel) will continue to be updated and refreshed with new information to keep the public engaged.

BMP #4: Distribute stormwater educational materials to the target audiences

Measurable Goal: *All permittees shall select and utilize at least two distribution methods in each permit year. These are in addition to the newsletter and website provisions of BMPs #3 and #4.*

Identify the two additional methods of distributing stormwater educational materials during the previous year (e.g., displays, posters, signs, pamphlets, booklets, brochures, radio, local cable TV, newspaper articles, other advertisements, bill stuffers, posters, presentations, conferences, meetings, fact sheets, giveaways, or storm drain stenciling).

In addition to the newsletter and website, the City distributes materials at City Hall in a kiosk and with all building permits, teaches environmental education classes in City schools, runs educational ads on the local television station, and includes stormwater information with utility bills.

MCM #2 – PUBLIC INVOLVEMENT/PARTICIPATION

BMP #1: Develop, implement and maintain a written Public Involvement and Participation Program (PIPP)

Measurable Goal: *A new permittee's PIPP shall be developed and implemented during the first year of coverage under this General Permit. All permittees shall re-evaluate the PIPP each permit year and revise as needed. Your PIPP shall include, but not be limited to:*

a. Opportunities for the public to participate in the decision-making processes associated with the development, implementation, and update of programs and activities related to this General Permit.

b. Methods of routine communication to groups such as watershed associations, environmental advisory committees, and other environmental organizations that operate within proximity to the permittee's regulated small MS4s or their receiving waters.

c. Making your periodic reports available to the public on your website, at your municipal offices, or by US Mail upon request.

1. For new permittees only, attach the written PIPP or a summary thereof to the first report submitted to DEP.
2. Date of last review and/or update to the PIPP: November 14, 2013
3. Explain how your PIPP addresses items a, b and c of the Measurable Goal:
   a. MS4 is a standing item on the Engineer's monthly report which is discussed at City Council Meetings
   b. A link to the Watershed Alliance of York's website is provided from the City's website. A City staff member currently sits on WAY's Board of Directors.
   c. A copy of the City's latest annual report is posted to the stormwater section of the City's website.

BMP #2: Prior to adoption of any ordinance (municipal permittees) or SOP (non-municipal permittees) required by this permit, provide adequate public notice and opportunities for public review, input, and feedback.

Measurable Goal: *Advertise any proposed MS4 Stormwater Management Ordinance or SOP, provide opportunities for public comment, evaluate any public input and feedback, and document the comments received and the municipality's response.*

If an ordinance or SOP was enacted/developed or amended during the reporting period, provide the following information:

Ordinance No. / SOP Name	Date of Public Notice	Date of Public Hearing	Date Enacted
N/A			

BMP #3: Regularly solicit public involvement and participation from the target audience groups. This should include an effort to solicit public reporting of suspected illicit discharges. Assist the public in their efforts to help implement your SWMP. Conduct public meetings to discuss the on-going implementation of your SWMP.

Measurable Goals: *Conduct at least one public meeting per year to solicit public involvement and participation from target audience groups. The public should be given reasonable notice through the usual outlets a reasonable period in advance of each meeting. During the meetings, you should present a summary of your progress, activities, and accomplishments with implementation of your SWMP, and you should provide opportunities for the public to provide feedback and input. Your presentation can be made at specific MS4 meetings or during any other public meeting. Under this MCM, you should document and report instances of cooperation and participation in your activities; presentations you made to local watershed organizations and conservation organizations; and similar instances of participation or coordination with organizations in your community. You also should document and report activities in which members of the public assisted or participated in your meetings and in the implementation of your SWMP, including education activities or organized implementation efforts such as cleanups, monitoring, storm drain stenciling, or others.*

1. Date of the public meeting: March 18, 2014
2. How was this meeting advertised to the public? The City advertised this meeting on their website.
3. Indicate where the meeting was held and the number of attendees: 5 City Council Members and 16 members of the public attended. This meeting was also broadcasted live by White Rose Community Television (WRCT) which has the greater York area as an audience. A recording of the meeting is available in the WRCT video archive at: http://wrct.tv/index.php/video-on-demand/meetings-vod/york-city-council
4. Describe the information disseminated at the meeting:
   The goals and regulations of the MS4 permit were discussed with the group. There was a summary of specific activities that the City performs to maintain compliance with each MCM. The proposed York City Green Action Plan was also discussed.

MCM #3 – ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDD&E)

BMP #1: You shall develop and implement a written program for the detection, elimination, and prevention of illicit discharges into your regulated MS4s. Your program shall include dry weather field screening of outfalls for non-stormwater flows, and sampling of dry weather discharges for selected chemical and biological parameters. Test results shall be used as indicators of possible discharge sources.

Measurable Goal: *For new permittees, the IDD&E program shall be developed during the first year of coverage under this General Permit and shall be implemented and evaluated each year thereafter. For renewal permittees, the existing IDD&E program shall continue to be implemented and evaluated annually. Records shall be kept of all outfall inspections, flows observed, results of field screening and testing, and other follow-up investigation and corrective action work performed under this program.*

1. For new permittees only, attach your written IDD&E program to the first report.
2. Date of last review and/or update IDD&E program: January 9, 2014
3. Number of outfall inspections conducted during the reporting period: 211
4. Number of dry weather outfall inspections that identified illicit discharges: 0
5. Number of tips or complaints of illicit discharges received from the public during the reporting period: 17

6. Describe investigatory and corrective action work conducted for illicit discharges during the reporting period (if applicable). Attach additional pages as necessary.

   A two page response to this item is included in the MCM 3 Appendix.

BMP #2: Develop and maintain a map of your regulated small MS4. The map must also show the location of all outfalls and the locations and names of all surface waters of the Commonwealth (e.g., creek, stream, pond, lake, basin, swale, channel) that receive discharges from those outfalls.

***Measurable Goals**: For new permittees, develop the map(s) of your regulated small municipal separate storm sewer systems and the information on all outfalls from your regulated small MS4 by the end of the fourth (4th) year of permit coverage. For renewal permittees, the existing map(s) of your regulated small MS4 shall be updated and maintained as necessary during each year of coverage under the permit.*

1. Have you completed a map(s) of all outfalls and receiving waters of your storm sewer system? ☒ Yes ☐ No
2. For new permittees only, attach the completed map to the 4th year Annual Report.
3. Date of last update or revision to map(s): March 31, 2014 Scale of map: Variable (GIS Based)
4. Total number of discharge points in your storm sewer system that:

   Discharge directly to surface waters (outfalls): 218

   Discharge to storm sewers owned by others: 6

   Total number of outfalls that are mapped at this time: 369 (218 City, 134 Private, 6 sealed)

BMP #3: In conjunction with the map(s) created under BMP #2 (either on the same map or on a different map), new permittees shall show, and renewal permittees shall update, the entire storm sewer collection system, including roads, inlets, piping, swales, catch basins, channels, basins, and any other features of the permittee's storm sewer system including municipal boundaries and/or watershed boundaries.

***Measurable Goals**: For new permittees, develop the map(s) by the end of the fourth (4th) year of coverage under the permit and update and maintain the map(s) as necessary each year of permit coverage thereafter. For renewal permittees, update and maintain the map(s) as necessary during each year of permit coverage.*

1. Have you completed a map(s) that includes roads, inlets, piping, swales, catch basins, channels, basins, municipal boundaries and watershed boundaries? ☒ Yes ☐ No
2. Is it on the same map as for outfalls and receiving waters? ☒ Yes ☐ No
3. For new permittees only, attach the completed map to the 4th year Annual Report.
4. Date of last update or revision to map(s): March 31, 2014 Scale of map: Variable (GIS Based)

BMP #4: Following the IDD&E program created pursuant to BMP #1, the permittee shall conduct outfall field screening, identify the source of any illicit discharges, and remove or correct any illicit discharges using procedures developed under BMP #1.

***Measurable Goals**: For new permittees, all of the identified regulated small MS4 outfalls shall be screened during Dry Weather on at least two different occasions during the permit coverage term. In each permit coverage year, at least forty percent of the total number of outfalls should be screened.*

For renewal permittees, each of the identified regulated small MS4 outfalls shall be screened at least once during each permit coverage term. For areas where past problems have been reported or known sources of dry weather flows occur on a continual basis, outfalls shall be screened annually.

For each outfall, if the screening reveals dry weather flow, the discharge from the outfall and the area around the outfall shall be inspected visually for color, turbidity, sheen, floating or submerged solids; for adverse affects on plants or animals in proximity to the outfall; and for odor. If the outfall produces any odor, or if the visual inspection shows any indication that the discharge may contain pollutants, then samples of the discharge shall be collected for field and / or lab testing of selected chemical and biological parameters as part of a process to determine if the dry weather flow is illicit. Common parameters include pH, conductivity, E. Coli bacteria, fecal coliform bacteria, metals, suspended solids, dissolved solids, oils, ammonia, surfactants; chlorine; and fluoride.

You shall implement the IDD&E plan that you developed to address any non-storm water discharges. If an outfall does not have any dry weather flow, then sampling and testing are not needed.

For all permittees, outfall inspections need to be prioritized according to the perceived chance of illicit discharges within the outfall's contributing drainage area. Observations of each outfall shall be recorded each time an outfall is screened, regardless of the presence of dry weather flow. Proper quality assurance and quality control procedures shall be followed when collecting, transporting or analyzing water samples. All outfall inspection information shall be recorded on the Outfall Reconnaissance Inventory/Sample Collection field sheet (attached below) excerpted from the Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments (CWP, October 2004). Adequate written documentation shall be maintained to justify a determination that an outfall flow is not illicit. If an outfall flow is illicit, the actions taken to identify and eliminate the illicit flow also shall be documented.

The results of outfall inspections and actions taken to remove or correct illicit discharges shall be summarized in periodic reports.

1. For new permittees only, were at least 40% of all outfalls screened during dry weather? ☐ Yes ☐ No
2. If Yes for #1, indicate actual percent screened. If No for #1, indicate reason(s) why this was not completed:
3. For renewal permittees, indicate the percent of outfalls screened during the reporting period: 57.2%
4. For all permittees, indicate the percent of outfalls screened that revealed dry weather flows: 6.6%
5. Did any dry weather flows reveal color, turbidity, sheen, floating or submerged solids or odors?
   ☐ Yes ☒ No
6. If Yes for #5, attach all sample results to this report with a map identifying the sample location. Explain the corrective action(s) taken in the attachment.
7. Do you use the "Outfall Reconnaissance Inventory / Sample Collection Field Sheet" provided in the permit? If no, attach a copy of your monitoring form. ☐ Yes ☒ No

BMP #5: Enact a stormwater management ordinance (municipal entities) or develop an SOP (non-municipal entities) to implement and enforce a stormwater management program that includes prohibition of non-stormwater discharges to the regulated small MS4.

***Measurable Goal**: Within the first year of coverage under the permit, new permittees shall enact and implement an ordinance from an Act 167 Plan approved by the Department in 2005 or later, the MS4 Stormwater Management Ordinance; or an ordinance that satisfies all applicable requirements in a completed and signed MS4 Stormwater Management Ordinance Checklist. (For non-municipal permittees, new permittees shall develop and implement a Standard Operating Procedure (SOP) within the first year of coverage).*

Renewal permittees must continue to maintain, update, implement, and enforce a Stormwater Management Ordinance that satisfies all applicable requirements. (For non-municipal permittees, the SOP satisfies this requirement. If no existing SOP exists, it should be developed during the first year of coverage).

***Measurable Goal**: New permittees shall submit a letter signed by a municipal official, municipal engineer, or the municipal solicitor as an attachment to their first year report certifying the enactment of an ordinance that meets all applicable requirements of this permit. Renewal permittees shall update their existing ordinance, if necessary, and submit documentation of completion to the Department. (For non-municipal permittees, submit the SOP to the first report).*

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that prohibits non-stormwater discharges? ☒ Yes ☐ No If Yes, indicate the date of the ordinance or SOP: October 4, 2011
2. For new permittees only, attach an ordinance (or SOP) and letter from an official, engineer or solicitor that prohibits non-stormwater discharges to the first report submitted to DEP.

BMP 6: Provide educational outreach to public employees, business owners and employees, property owners, the general public and elected officials (i.e., target audiences) about the program to detect and eliminate illicit discharges.

***Measurable Goals**: During each year of permit coverage, appropriate educational information concerning illicit discharges shall be distributed to the target audiences using methods outlined under MCM #1. If not already established, set up and promote a stormwater pollution reporting mechanism (e.g., a complaint line with message recording) by the end of the first year of permit coverage for the public to use to notify you of illicit discharges, illegal dumping or outfall pollution. Respond to all complaints in a timely and appropriate manner. Document all responses, include the action taken, the time required to take the action, whether the complaint was resolved successfully.*

1. Was information distributed to the public employees, businesses, and general public during the reporting period?
   ☒ Yes ☐ No
2. Explain in detail the stormwater pollution reporting mechanism in place:
   A complaints protocol has been established by the City which designates the Pretreatment Permit & Compliance Manager as the point of contact for all illicit discharge related complaints. A copy of this protocol and related procedural documents are included in the MS4 - IDDE Standard Operating Procedure which can be found in the MCM 3 Appendix.
3. Do you maintain documentation of all responses, action taken, and the time required to take action?
   ☒ Yes ☐ No

MCM #4 – CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

Are you relying on PA's statewide program for stormwater associated with construction activities to satisfy this MCM?
☒ Yes ☐ No **(If No, complete all remaining questions for this MCM; if Yes, skip to MCM #5)**.

BMP #1: Develop your program consisting of all procedures necessary to comply with the requirements of this MCM. Your program shall provide for construction stormwater permitting, construction inspection, and enforcement of installation and maintenance of the necessary E&S control measures. Your program shall describe clearly how your program will be coordinated with DEP's NPDES Construction Stormwater Permitting program.

***Measurable Goals**: For new permittees, the written program for this MCM shall be developed during the first year of permit coverage; nevertheless, you are responsible for implementation of this MCM during entire term of this permit, including the time you are developing your program.*

For all permittees, your program shall be reviewed and updated during each year of permit coverage. The purpose of the written program is to establish clear roles and responsibilities for the implementation of the MCM #4 requirements. An agreement between the permittee, the CCD, and any other resources to be used by the permittee that clearly defines roles for each entity is recommended. If an agreement is made, you shall place and keep a written copy in your file, consistent with the Retention of Records requirements in this Permit. Please note that in accordance with Section A.2.h in Part A of the Authorization to Discharge, as the permittee you are responsible to ensure that implementation of all requirements under this Permit are fulfilled.

1. For new permittees only, attach the written stormwater associated with construction activities program to the first report submitted to DEP.
2. Are there agreements in place between the permittee, CCD and/or others? ☐ Yes ☐ No
3. Date of last update or revision to the stormwater associated with construction activities program: _____

BMP #2: The permittee shall enact, implement, and enforce an ordinance to require the implementation of erosion and sediment control BMPs, as well as sanctions to ensure compliance.

***Measurable Goal**: Within the first year of coverage under the permit, new permittees shall enact and implement an ordinance that meets all applicable requirements of this permit. (Non-municipal permittees shall develop and implement an SOP).*

***Measurable Goal**: Permittees shall submit a letter signed by a municipal official, municipal engineer or the municipal solicitor as an attachment to their first periodic report certifying the enactment and implementation of a stormwater management ordinance that meets all requirements of this permit.*

1. For new permittees only, attach an ordinance (or SOP) and letter from an official, engineer or solicitor that addresses stormwater associated with construction activities to the first report submitted to DEP.

BMP #3: Develop and implement requirements for construction site operators to control waste at the construction site that may cause adverse impacts to water quality. While sediment is the most common pollutant of concern for MCM #4, there are other types of pollutants that also can be a concern and the intent of this BMP is to address these other types of pollutants, such as, but not limited to, discarded building materials, washout from concrete trucks, chemicals, litter, and sanitary waste.

***Measurable Goal**: New permittees shall establish requirements to address this BMP by the end of the first year of permit coverage. Renewal permittees shall continue to implement existing requirements and update as necessary. This could be implemented by written municipal ordinance/code provisions, by standard notes on the site plans, by any other written format that accomplishes the objectives of this BMP, or by any combination of these measures. The goal of this BMP shall be communicated to construction site operators during pre-construction meetings. This BMP shall be implemented during each year of the MS4 permit. Permittees must prepare and maintain records of site inspections, including dates and results and you must maintain these records in accordance with the Retention of Records requirements in this Permit.*

1. Identify the mechanism(s) in place to regulate construction site operators and wastes produced at construction sites:

BMP #4: Develop and implement procedures for the receipt and consideration of public inquiries, concerns, and information submitted by the public (to the permittee) regarding local construction activities. The permittee shall demonstrate acknowledgement and consideration of the information submitted, whether submitted verbally or in writing.

***Measurable Goal**: Permittees shall establish and implement a tracking system to keep a record of any submitted public information as well as your response, actions, and results. This BMP shall be implemented during each year of coverage under this General Permit and information should be submitted with the each periodic report.*

1. Describe the tracking system established for documenting public information concerning local construction activities and describe responses taken during the reporting period:

MCM #5 – POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Are you relying on PA's statewide program for MCM #5 BMPs #1 - #3?

☒ Yes ☐ No (**If No, complete all remaining questions for this MCM; if Yes, skip to BMP #4**)

BMP #1: Develop a written procedure that describes how the permittee shall address all required components of this MCM. Guidance can be found in the Pennsylvania Stormwater Best Management Practices Manual.

***Measurable Goal**: The written procedure shall be developed by the end of the first year of permit coverage and be reviewed and updated every permit year thereafter, as needed. The intent of BMP #1 is for the permittee to describe how the listed tasks will be accomplished.*

1. For new permittees only, attach your written procedure for post-construction management to the first report.
2. Date of last review or update of post-construction management procedure: April 10, 2014

BMP #2: Require the implementation of a combination of structural and/or non-structural BMPs that are appropriate to the local community, that minimize water quality impacts, and that are designed to maintain pre-development runoff conditions. This requirement can be met by ensuring that the selected BMPs comply with the municipal Stormwater Management Ordinance that meets the requirements of the permit.

***Measurable Goal**: All qualifying development or redevelopment projects shall be reviewed to ensure that their post-construction stormwater management plans and selected BMPs conform to the applicable requirements. A tracking system (e.g., database, spreadsheet, or written list) shall be maintained to record qualifying projects and their associated BMPs. In your records, you shall note if there are no qualifying projects in a calendar year.*

1. Number of development or redevelopment projects in urbanized area during reporting period: _____
2. Describe the tracking system in place:

3. Describe the structural and/or non-structural BMPs that were required for these projects:

BMP #3: Ensure that controls are installed that shall prevent or minimize water quality impacts.

***Measurable Goal**: All qualifying development or redevelopment projects shall be inspected during the construction phase to ensure proper installation of the approved structural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be implemented to track the inspections conducted and to track the results of the inspections (e.g., BMPs were, or were not, installed properly). Permittees not relying on DEP's statewide QLP to satisfy requirements under this BMP shall summarize construction inspections and results in periodic reports. See BMP #6 for requirements related to post-construction inspection and tracking of PCSM BMPs to ensure that the operation and maintenance plan is being implemented.*

1. If there were development or redevelopment projects during the reporting period, attach to this report documentation of inspections of PCSM BMPs.

BMP #4: The permittee shall enact, implement, and enforce an ordinance (municipal) or SOP or other regulatory mechanism (non-municipal) to address post-construction stormwater runoff from new development and redevelopment projects, as well as sanctions and penalties associated with non-compliance, to the extent allowable under State or local law.

***Measurable Goal**: Within the first year of coverage under this permit, new permittees shall enact and implement a stormwater management ordinance (municipal) or SOP (non-municipal) that meets the requirements of this General Permit.*

***Measurable Goal**: All permittees shall submit a letter signed by a municipal official, municipal engineer or the municipal solicitor as an attachment to their first periodic report certifying the enactment of a stormwater management ordinance that meets the requirements of this General Permit.*

1. Do you have an ordinance, SOP or other regulatory mechanism to address post-construction stormwater runoff from new and redevelopment projects and sanctions? ☒ Yes ☐ No If Yes, indicate the date of the ordinance or SOP: October 4, 2011 (For new permittees only, attach a copy of the ordinance or SOP).
2. Attach an ordinance (or SOP) and letter from an official, engineer or solicitor that certifies the enactment of an ordinance or SOP for PCSM activities to the first report submitted to DEP.
3. Do you have authority to take enforcement action for failure to properly operate and maintain stormwater practices/facilities? ☒ Yes ☐ No

BMP #5: Develop and implement measures to encourage and expand the use of Low Impact Development (LID) in new and redevelopment. Measures also should be included to encourage retrofitting LID into existing development. DEP's Pennsylvania Stormwater Best Management Practices Manual provides guidance on implementing LID practices.

***Measurable Goal**: In your inventory of development and redevelopment projects authorized for construction since March 10, 2003, that discharge stormwater to your regulated MS4s, indicate which projects incorporated LID practices and for each project list and track the BMPs that were used.*

***Measurable Goal**: Enact ordinances consistent with LID practices and repeal sections of ordinances that conflict with LID practices. Progress with enacting and updating your ordinances to enable the use of LID practices shall be summarized in the periodic reports.*

1. Number of projects during the reporting period that incorporated LID: 0
2. Identify ordinances enacted or updated during the reporting period to ensure consistency with LID practices:
   No ordinances were enacted or updated relating to LID in this permit year. The City relies on its Act 167 Stormwater Ordinance to promote reasonable development and protect natural features. Because the City is largely developed and urbanized, re-development is typically the best opportunity for green infrastructure.

BMP 6: Ensure adequate operation and maintenance of all post-construction stormwater management BMPs installed at all qualifying development or redevelopment projects (including those owned or operated by the permittee).

***Measurable Goal**: Within the first year of coverage under this permit, new permittees shall develop and implement a written inspection program to ensure that stormwater BMPs are properly operated and maintained. The program shall include sanctions and penalties for non-compliance. All permittees shall review and update the inspection program annually and shall continue to implement this BMP.*

***Measurable Goal**: An inventory of PCSM BMPs shall be developed by permittees and shall be continually updated during the term of coverage under the permit as development projects are reviewed, approved, and constructed. This inventory shall include all PCSM BMPs installed since March 10, 2003 that discharge directly or indirectly to your regulated small MS4s. The inventory also should include PCSM BMPs discharging to the regulated small MS4 system that may cause or contribute to violation of water quality standard. The inventory shall include:*

- *all PCSM BMPs that were installed to meet requirements in NPDES Permits for Stormwater Discharges Associated with Construction Activities approved since March 10, 2003;*
- *the exact location of the PCSM BMP (e.g., street address);*
- *information (e.g., name, address, phone number(s)) for BMP owner and entity responsible for BMP Operation and Maintenance (O&M), if different from BMP owner;*
- *the type of BMP and the year it was installed;*
- *maintenance required for the BMP type according to the Pennsylvania Stormwater BMP Manual or other manuals and resources;*
- *the actual inspection/maintenance activities for each BMP;*
- *an assessment by the permittee if proper operation and maintenance occurred during the year and if not, what actions the permittee has taken, or shall take, to address compliance with O&M requirements.*

1. For new permittees only, attach the written inspection program to ensure that stormwater BMPs are properly operated and maintained.
2. Date that inspection program is last reviewed or updated: April 10, 2014
3. Total number of sites with PCSM BMPs: 42
4. Total number of sites inspected during this reporting period: 10
5. Number of sites found to have PCSM BMP deficiencies: 10
6. Number of enforcement actions taken during this reporting period: 10

MCM #6 – POLLUTION PREVENTION/GOOD HOUSEKEEPING

BMP #1: Identify and document all facilities and activities that are owned or operated by the permittee and have the potential for generating stormwater runoff to the regulated small MS4. This includes activities conducted by contractors for the permittee. Activities may include the following: street sweeping; snow removal/deicing; inlet/outfall cleaning; lawn/grounds care; general storm sewer system inspections and maintenance/repairs; park and open space maintenance; municipal building maintenance; new construction and land disturbances; right-of-way maintenance; vehicle operation, fueling, washing and maintenance; and material transfer operations, including leaf/yard debris pickup and disposal procedures. Facilities can include streets; roads; highways; parking lots and other large paved surfaces; maintenance and storage yards; waste transfer stations; parks; fleet or maintenance shops; wastewater treatment plants; stormwater conveyances (open and closed pipe); riparian buffers; and stormwater storage or treatment units (e.g., basins, infiltration/filtering structures, constructed wetlands, etc.).

***Measurable Goal**: By the end of the first year of permit coverage, new permittees shall identify and document all types of municipal operations, facilities and activities and land uses that may contribute to stormwater runoff within areas of municipal operations that discharge to the regulated small MS4. Renewal permittees should have completed this list during the previous permit term. For all permittees, this information shall be reviewed and updated each year of permit coverage, as needed. Part of this effort shall include maintaining a basic inventory of various municipal operations and facilities.*

1. Have you identified all facilities and activities owned and operated by the permitee that have the potential to generate stormwater runoff into the MS4? ☒ Yes ☐ No
2. When was the inventory last reviewed April 10, 2014
3. When was it last updated: May 19, 2014
4. How many new facilities and/or activities were added to this inventory during this reporting period? 61

BMP #2: Develop, implement and maintain a written operation and maintenance (O&M) program for all municipal operations and facilities that could contribute to the discharge of pollutants from the regulated small MS4s, as identified under BMP #1. This program (or programs) shall address municipally owned stormwater collection or conveyance systems, but could include other areas (as identified under BMP #1). The O&M program(s) should stress pollution prevention and good housekeeping measures, contain site-specific information, and address the following areas:

- **Management practices, policies, procedures, etc. shall be developed and implemented to reduce or prevent the discharge of pollutants to your regulated small MS4s. You should consider eliminating maintenance-area discharges from floor drains and other drains if they have the potential to discharge to storm sewers.**
- **Maintenance activities, maintenance schedules, and inspection procedures to reduce the potential for pollutants to reach your regulated small MS4s. You also should review your procedures for maintaining your stormwater BMPs.**
- **Controls for reducing or eliminating the discharge of pollutants from streets, roads, highways, municipal parking lots, maintenance and storage yards, waste transfer stations, fleet or maintenance shops with outdoor storage areas, and salt / sand (anti-skid) storage locations and snow disposal areas.**
- **Procedures for the proper disposal of waste removed from your regulated small MS4s and your municipal operations, including dredge spoil, accumulated sediments, trash, household hazardous waste, used motor oil, and other debris.**

***Measurable Goal**: During the first year of permit coverage, new permittees shall develop and implement a written O&M program that complies with BMPs #1 and #2. Renewal permittees shall continue to implement their existing program. All permittees shall review the O&M program annually, edit as necessary, and continue to implement during every year of permit coverage.*

1. For new permittees only, attach the written O&M program to the first Annual Report.
2. Date of last review or update to O&M program: May 19, 2014

BMP #3: Develop and implement an employee training program that addresses appropriate topics to further the goal of preventing or reducing the discharge of pollutants from municipal operations to your regulated small MS4s. The program may be developed and implemented using guidance and training materials that are available from federal, state or local agencies, or other organizations. Any municipal employee or contractor shall receive training. This could include public works staff, building / zoning / code enforcement staff, engineering staff (on-site and contracted), administrative staff, elected officials, police and fire responders, volunteers, and contracted personnel. Training topics should include operation, inspection, maintenance and repair activities associated with any of the municipal operations / facilities identified under BMP #1. Training should cover all relevant parts of the permittee's overall stormwater management program that could affect municipal operations, such as illicit discharge detection and elimination, construction sites, and ordinance requirements.

***Measurable Goal**: During the first year of permit coverage, new permittees shall develop and implement a training program that identifies the training topics that will be covered, and what training methods and materials will be used. Renewal permittees shall continue to operate under their existing program. All permittees shall review the training program annually, edit it as necessary, and continue to implement it during every year of permit coverage.*

***Measurable Goal**: Your employee training shall occur at least annually (i.e., during each permit coverage year) and shall be fully documented in writing and reported in your periodic reports. Documentation shall include the date(s) of the training, the names of attendees, the topics covered, and the training presenter(s).*

1. For new permittees only, attach the written training program to the first Annual Report.
2. Date of last review or update to training program: April 10, 2014
3. Identify the date(s) of employee training, the names of attendees, the topics covered, and the training presenters:
   A summary of all employee trainings which occurred within the 2013-14 permit year is included in the MCM 6 Appendix.

OTHER REQUIRED REPORT ELEMENTS

Identify the progress towards achieving the statutory requirements of reducing the discharge of pollutants to the Maximum Extent Practicable (MEP) and complying with water quality standards.

In addition to efforts within the City's MS4 program, the City is participating in the York County Regional Chesapeake Bay Pollutant Reduction Plan effort. The plan would fund numerous projects with the main purposed of reducing pollutant discharge.

Provide an assessment of the appropriateness of the BMPs implemented to date, and identify any steps that will be taken to address deficiencies in the BMPs or make changes to BMPs or other aspects of the SWMP developed by the permittee.

The City MS4 Taskforce spent the entire 2013-14 permit year drafting revised written plans for each MCM in the MS4 program. These new plans are based on the Appendix A included in the new MS4 Permit. The City feels all requirements have been adequately met.

Provide a summary of stormwater activities planned during the next reporting cycle:

The City's Taskforce will continue to meet and discuss MS4 opportunities. Project Plans will be modified and revised as determined by the group.

Provide a summary of notices, intergovernmental agreements and other relevant documents if the permittee is relying on another governmental entity to satisfy any of its permit obligations.

The City has executed a memorandum of understanding with the York County Conservation District to define the County's and the City's roles with respect to the E&S and Permitting requirements of MCM 4 and 5.

If applicable, identify progress with implementation of the MS4 TMDL Plan, including a summary of implementation and monitoring data of all control measures and of all BMPs implemented in connection with the MS4 TMDL Plan.
N/A

NEW BMPs

List all BMPs installed or implemented in the urbanized area during the reporting period that were not completed as part of a Chapter 102 NPDES permit (stormwater associated with construction activities). Provide a name for each BMP, the area, in square feet (sf) that drains to each BMP (drainage area (DA)), the location of the BMP (latitude and longitude), the name of the water body that receives discharges from the BMP (if applicable), and how often each BMP is or will be inspected or maintained (quarterly, annually, etc.).

Name of BMP	DA (sf)	Latitude	Longitude	Receiving Waters	Inspection / Maintenance Frequency
Chick-Fil-A Snout (5 in series)	56759	39°58'45"	76°45'9"	UNT to Willis Run	Annually
Chick-Fil-A Hydrodynamic Separater WQ Structure	56759	39°58'45"	76°45'10"	UNT to Willis Run	Annually
York College Jackson Street Parking Lot Basin	61463	39°58'45"	76°45'10"	UNT to Willis Run	Annually
York College Jackson Street Parking Lot Basin	129808	39°56'56"	76°43'52"	UNT to Codorus Creek (Tyler Run)	Annually
York College Jackson Street Parking Lot Water Quality Inlet	29185	39°56'54"	76°43'51"	UNT to Codorus Creek (Tyler Run)	Annually
Homes at Thackston Park Storage Facility 1	142006	39°57'23"	76°44'0"	Codorus Creek	Biannually
Homes at Thacktson Park Storage Facility 2	67082	39°57'24"	76°44'0"	Codorus Creek	Biannually
Homes at Thackston Park Snout I-7	25265	39°57'23"	76°44'0"	Codorus Creek	Biannually
Homes at Thackston Park Snout I-8A	9148	39°57'23"	76°43'59"	Codorus Creek	Biannually
Homes at Thackston Park Snout I-9	24829	39°57'23"	76°44'1"	Codorus Creek	Biannually
Homes at Thackston Park Snout I-10	42253	39°57'25"	76°44'1"	Codorus Creek	Biannually
Homes at Thacktson Park Snout I-11	4356	39°57'22"	76°43'59"	Codorus Creek	Biannually
Homes at Thacktson Park Snout I-12	3920	39°57'24"	76°43'59"	Codorus Creek	Biannually
Homes at Thackston Park Snout I-13	5663	39°57'24"	76°43'59"	Codorus Creek	Biannually
Helen Thackston Charter School Addition Rain Garden 1	1742	39°58'7"	76°45'58"	UNT to Codorus Creek (Poorhouse Run)	Quarterly
Helen Thackston Charter School Addition Rain Garden 2	2178	39°58'7"	76°42'57"	UNT to Codorus Creek (Poorhouse Run)	Quarterly
Helen Thackston Charter School Addition Storage Pipes	11761	39°58'8"	76°42'57"	UNT to Codorus Creek (Poorhouse	Quarterly

				Run)	
Helen Thackston Charter School Addition Snout	11718	39°58'8"	76°42'57"	UNT to Codorus Creek (Poorhouse Run)	Quarterly
Protect Powder Coatings Infiltration Trench	871	36°59'14"	76°45'6"	Willis Run	Quarterly
Redevelopment Authority of the City of York Albemarle Street Seepage Bed 1	871	36°57'50"	76°42'11"	UNT to Codorus Creek (Poorhouse Run)	Annually
Redevelopment Authority of the City of York Albemarle Street Seepage Bed 2	871	36°57'50"	76°42'10"	UNT to Codorus Creek (Poorhouse Run)	Annually

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 designed to assure that qualified personnel properly gathered and evaluated 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 for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

James E. Gross, Director of Public Works	
Name of Responsible Official	Signature
(717) 849-2245	6/12/14
Telephone No.	Date

CITY OF YORK
PUBLIC WORKS DEPARTMENT
ENVIRONMENTAL BUREAU
101 SOUTH GEORGE ST, 2ND FL
PO BOX 509, YORK PA 17405

TOPIC: "The Good, The Bad & The Ugly"
*Recycling *Litter and *Storm Water Run Off (MS4)

DATE: 4/29/14

SPEAKER: Cassie Dennis

TEACHER: Mrs. Wood **RM#:** 23 **SCHOOL:** A.D. Goode

PRESENTATION EVALUATION

Comments on presentation evaluations like this one help us make our presentations more informative and more effective. Please assist us by completing this form thoughtfully. Thank you!

Number of students in your class: 28

Give your ***overall reaction*** to this presentation. (Circle One)

LOW 1 2 3 4 5 6 7 8 9 (10) **HIGH**

1. What was ***most valuable*** about this presentation?
The stud. enjoyed the recycling part when they could reuse to make crafts & what recycled items could become

2. What was ***least valuable*** about this presentation?
—

3. Did you receive any ***new or valuable ideas***? If so, what?
Some new ideas for reusing recyclables were cute.

4. Was the ***Storm Water information*** valuable and easy to understand?
yes

5. What else should be covered?

6. Are the handouts useful?
yes very informative

6. Was the time allotted to each subject too much, too little or about right?
about right

7. Any other suggestions for improvement, conduct of the program, presenter, arrangements, location, etc. are appreciated.
It is a great program the kids really enjoyed their tornadoe bottles :)

CITY OF YORK
PUBLIC WORKS DEPARTMENT
ENVIRONMENTAL BUREAU
101 SOUTH GEORGE ST, 2ND FL
PO BOX 509, YORK PA 17405

May _ 2014

TOPIC:	"The Good, The Bad & The Ugly" *Recycling *Litter and *Storm Water Run Off (MS4)
DATE:	/ /14
SPEAKER:	Cassie Dennis
TEACHER:	**RM#:** **SCHOOL:** 7

PRESENTATION EVALUATION

Comments on presentation evaluations like this one help us make our presentations more informative and more effective. Please assist us by completing this form thoughtfully. Thank you!

Number of students in your class:

Give your ***overall reaction*** to this presentation. (Circle One)

LOW 1 2 3 4 5 6 7 8 9 (10) **HIGH**

1. What was ***most valuable*** about this presentation?
   Amount of information.
2. What was ***least valuable*** about this presentation?
   ~~It~~ was all good.
3. Did you receive any ***new or valuable ideas***? If so, what?
   Yes. Ways to ~~use~~ Recycle into games etc..
4. Was the ***Storm Water information*** valuable and easy to understand?
   Yes
5. What else should be covered?
6. Are the handouts useful?
   Yes - Kids loved it.
6. Was the time allotted to each subject too much, too little or about right?
   Perfect
7. Any other suggestions for improvement, conduct of the program, presenter, arrangements, location, etc. are appreciated.
   Keep up the good work.

CITY OF YORK
PUBLIC WORKS DEPARTMENT
ENVIRONMENTAL BUREAU
101 SOUTH GEORGE ST, 2ND FL
PO BOX 509, YORK PA 17405

TOPIC: "The Good, The Bad & The Ugly"
*Recycling *Litter and *Storm Water Run Off (MS4)

DATE: 5/22/14

SPEAKER: Cassie Dennis

TEACHER: Mullins **RM#:** 221 **SCHOOL:** Ferguson

PRESENTATION EVALUATION

Comments on presentation evaluations like this one help us make our presentations more informative and more effective. Please assist us by completing this form thoughtfully. Thank you!

Number of students in your class: 25

Give your ***overall reaction*** to this presentation. (Circle One)

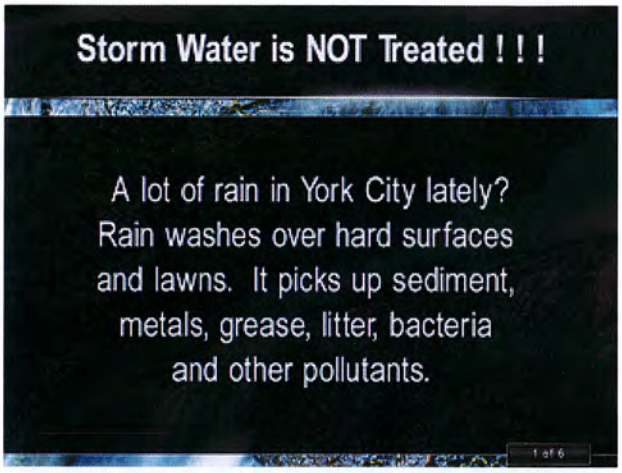
LOW 1 2 3 4 5 6 7 8 9 (10) **HIGH**

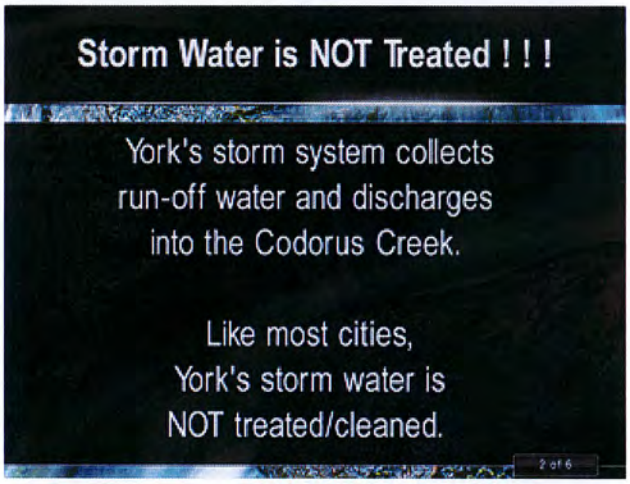
1. What was ***most valuable*** about this presentation?
   recycling portion
2. What was ***least valuable*** about this presentation?
   nothing
3. Did you receive any ***new or valuable ideas***? If so, what?
   no
4. Was the ***Storm Water information*** valuable and easy to understand?
   yes, the visual was valuable
5. What else should be covered? —
6. Are the handouts useful?
   yes
6. Was the time allotted to each subject too much, too little or about right?
   about right
7. Any other suggestions for improvement, conduct of the program, presenter, arrangements, location, etc. are appreciated.

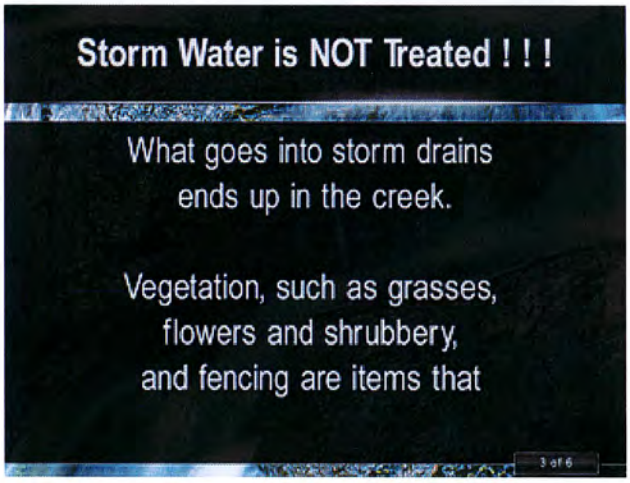
MS4 MESSAGE ON WHITE ROSE COMMUNITY TELEVISION (WRCT)

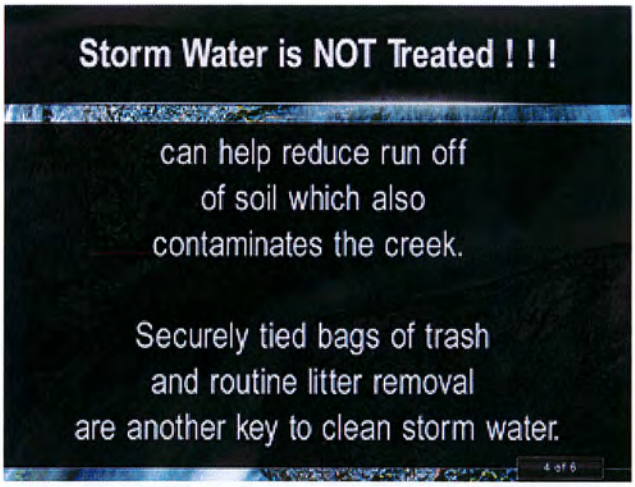
START DATE: TUESDAY, OCTOBER 15, 2013

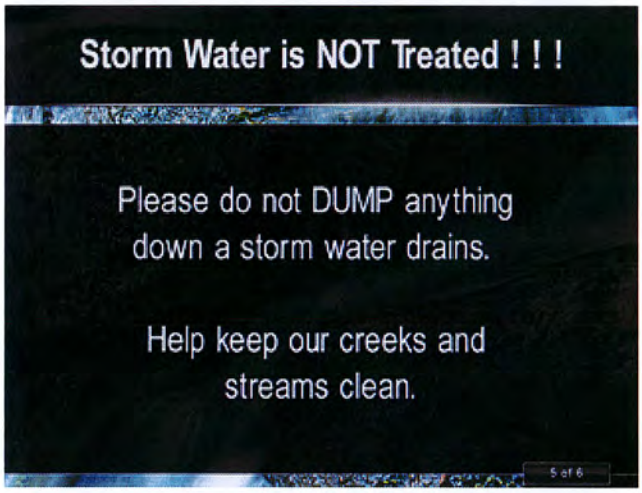
(EACH PAGE RUNS 0:18 SECONDS); Background is water running over rocks.

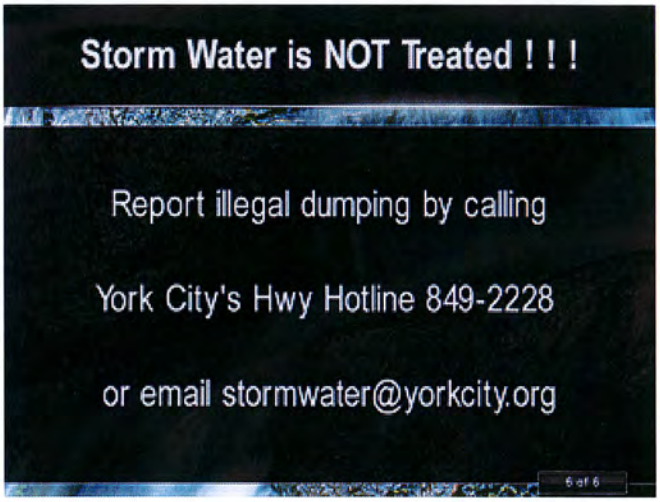







Storm Water is NOT Treated ! ! !
can help reduce run off
of soil which also
contaminates the creek.
Securely tied bags of trash
and routine litter removal
are another key to clean storm water.
4 of 6


Storm Water is NOT Treated ! ! !
Please do not DUMP anything
down a storm water drains.
Help keep our creeks and
streams clean.
5 of 6


Storm Water is NOT Treated ! ! !
Report illegal dumping by calling
York City's Hwy Hotline 849-2228
or email stormwater@yorkcity.org
6 of 6

MCM 2 APPENDIX

1. MCM 2 Project Plan

2. BMP 2.2 Attachments

    a. MS4 – Stormwater Ordinance Adoption Standard Operating Procedure

3. BMP 2.3 Attachments

    a. MS4 Public Meeting

        i. March 18, 2014 City Council Meeting Agenda
        ii. March 18, 2014 City Council Meeting Minutes
        iii. PowerPoint Presentation

City of York
2013 – 2014 MS4 Project Plan
MCM #2

BMP 2.1: The Municipality must develop and implement a written Public Involvement and Participation Program. The PIPP shall describe various types of possible participation activities and describe methods of encouraging the public's involvement and participation:

a) **Requirement:** The PIPP shall be reviewed annually and revised as necessary. Your PIPP shall include but not be limited to opportunities for the public to participate in decision making process associated with activities related to your MS4 permit, methods of routine communication to watershed and environmental groups, and making periodic reports available to the public.

b) **Action Plan:** The York City MS4 taskforce will review and revise this plan on an annual basis, at a minimum. The plan shall include the minimum required activities, summarized above, and note all additional activities performed within the City that exceed minimum requirements. On November 14, 2013, the following members of the MS4 Taskforce reviewed and revised the PIPP: James Gross, Public Works Director; Cassie Dennis, Environmental Services Supervisor; Jack Longstreet, Sanitary Sewer Maintenance Supervisor; Aaron Grim, Highway Superintendent; Veronica Chavez, Pretreatment Permit and Compliance Manager; Jennie Sherry, City Planner; India Banks, Operations Manager; Jeff Shue, P.E., City Engineer, C.S. Davidson, Inc.; and Derek Rinaldo, E.I.T, C.S. Davidson, Inc. The plan includes the following activities:

   i) Public Input Opportunities:
      (1) **MS4 Public Meeting** – The City will hold an MS4 public meeting consistent with the requirements of BMP 2.3. The Public Works Director and City Engineer are responsible for the scheduling and content of this meeting. The objective is to educate City residents on the MS4 program and solicit their opinions and ideas for successful permit compliance.

   ii) Watershed/Environmental Group Commination:
      (1) **Watershed Alliance of York (WAY)** – WAY is a coalition of stakeholders committed to being innovative leaders educating the public and encouraging watershed-based planning, restoration and protection in York County, Pennsylvania, and beyond. WAY provides watershed educational assistance and sponsors stream and illegal dump site cleanups throughout the year. The City has executed a Memorandum of Understanding with WAY making the services of WAY available to the City to aid in meeting the education and participation requirements of the MS4 permit. The City currently provides a link to WAY's website in the Stormwater Management section of the City's Website. As additional means of communication, the Sanitary Sewer Maintenance Supervisor currently sits on WAY's Board of Directors.

   iii) Annual Report Publication:
      (1) A copy of the current MS4 Annual Report will be posted under the Stormwater Management section of the City's website. The Sanitary Sewer Maintenance Supervisor is responsible for ensuring the report in posted.

   iv) Additional Opportunities for Public Involvement and Participation
      (1) Facebook Page
      (2) York City Go Green Event
      (3) Targeted Educational Meetings

BMP 2.2: Provide adequate public notice and opportunity for comment prior to the adoption of any ordinance required by the MS4 permit:

a) **Requirement:** Advertise any proposed MS4 related ordinance, provide opportunity for public input and feedback, and evaluate/document all comments received.

b) **Action Plan:** York City shall follow the standard procedure for ordinance adoption as defined in the City Code. All ordinances are required to be advertised and are then discussed and adopted

during City Council Meetings, which are open to the public. No MS4 related ordinances have been adopted within the previous year.

BMP 2.3: Regularly solicit public involvement and participation from the target audience groups:

a) **Requirement:** The PIPP should include an effort to solicit public reportings of illicit discharges. Conduct at least one public meeting to discuss your MS4 plan and implementation.

b) **Action Plan:**

i) **Illicit Discharge Reporting:** The City has established a system for the reporting and elimination of illicit discharges which utilizes the Pretreatment Permit and Compliance Manager as the contact for all stormwater related complaints. Methods of reporting an illicit discharge are by telephone at (717) 812-1444 or by email at Stormwater@yorkcity.org. This contact information is provided under the Stormwater Management section of the City's Website and advertised on the local community television station, White Rose Community Television.

(1) **Public Meeting:** One MS4 public meeting will be held each permit year at a minimum. The Public Works Director and City Engineer are responsible for the scheduling and content of this meeting. The objective is to educate City residents on the MS4 program and solicit their opinions and ideas for successful permit compliance. The public meetings will typically occur during a regularly scheduled City Council Meeting because they are all televised on White Rose Community Television. This allows the City to extend their reach to a greater audience.

City of York, Pennsylvania
Municipal Separate Storm Sewer System (MS4)
Stormwater Management Program
(NPDES PAG133596)

MS4 – STORMWATER ORDINANCE ADOPTION STANDARD OPERATING PROCEDURE

Last revised: 2/17/2014

Prepared by
City of York, Pennsylvania
Department of Public Works

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Appendices

Appendix A: Example Ordinance with Format, Strike-Through and Bolded Highlighted Text
Appendix B: Example Proof of Publication

Note: This SOP is written in the second person for ease of reading.

Abbreviations

BMP – Best Management Practice

MCM – Minimum Control Measure

MS4 – Municipal Separate Storm Sewer System

NPDES – National Pollution Discharge Elimination System

PADEP – Pennsylvania Department of environmental Protection

SOP – Standard Operating Procedure

USEPA – United States Environmental Protection Agency

1. Introduction

This SOP provides the necessary steps to amend an existing, or pass a new, stormwater management ordinance that meets the requirements of the City of York's General MS4 NPDES permit. The following sections of the permit reference stormwater ordinance requirements:

- Part A, paragraph 2 to enact stormwater ordinances satisfying specific requirements.
- Part B.2.c to include ordinance provisions that ensure the proper operation and maintenance of all stormwater BMPs and all pollutant reduction BMPs that discharge into the MS4 stormwater system (this includes owners and operators of all BMPs including the City of York).
- Part A.2.d-e to maintain stormwater ordinances and prevent increased pollutant loadings.
- Appendix A, MCM#2 – Public Involvement / Participation, BMP 2 to provide adequate public notice and opportunities for public review, input and feedback.
- Appendix A, MCM#3 – Illicit Discharge Detection and Elimination, BMP 5 to enact a stormwater management ordinance to implement and enforce a stormwater management program that prohibits non-stormwater discharges.
- Appendix A, MCM#3 – Illicit Discharge Detection and Elimination, BMP 5 to maintain, update, implement and enforce a stormwater management ordinance. Ordinances must be updated to meet the requirements of the NPDES permit.
- Appendix A, MCM#4 – Construction Site Stormwater Runoff Control, BMP 2 to enact, implement and enforce an ordinance that requires implementation of erosion and sediment control BMPs, including sanctions to ensure compliance.
- Appendix A, MCM#5 – Post-Construction Stormwater Management in New and Re-development Activities, BMP 4 to enact, implement and enforce an ordinance or other regulatory mechanism to address post-construction stormwater runoff from new development and redevelopment projects, as well as sanctions and penalties associated with non-compliance.

In addition to the City of York general stormwater permit, stormwater ordinances may also be required by other state or federal regulations (i.e., floodplain management, Act 167 ordinances).

Additional general ordinance adoption references that may be useful include: Articles 101 and 115 of the York City Code, 3rd Class Charter Law (53 P.S. §41607(b)), and the Pennsylvania Sunshine Act (65 Pa. C.S. Chapter 7).

2. Stormwater Ordinance Adoption Procedure

The following steps walk you through the stormwater ordinance adoption process. The procedure is the same for passage of all ordinances in Pennsylvania 3rd Class Cities that do not require public hearings.

This SOP does not cover specific City Council rules and procedures. Questions regarding City Council procedures should be directed to the City Clerk and City Solicitor.

2.1. Standard Ordinance Format

The following standard is used for ordinances submitted to City Council for consideration:

- Font 'Times New Roman' in 12 point
- Deletions to an ordinance are indicated using a strike through (i.e., ~~deleted text~~). Strike through also applies to punctuation marks and section/subsection numbering.
- Additions to an ordinance are indicated using bolded and underlined text (i.e., **textual additions**). Bolded and underlined text also applies to punctuation marks and section/subsection numbering.
- Numbering of articles, parts, sections, and subsections follow the format already in use by the York City Code. Format requirements are also stated in York City Code Article 101.03, Amendments and Supplements; Numbering.

- An example ordinance amendment is located in Appendix A.

2.2. Steps

Unless otherwise required by law, the following steps are used to amend an existing stormwater ordinance or adopt a new stormwater ordinance. The following steps can be used as a checklist to track the progress of the ordinance in the approval process.

2.2.1. Internal Staff Process

- Draft the ordinance or amendments to meet the requirements of the MS4 permit.
- It is the duty of the City of York to ensure that its stormwater management ordinances are designed to prevent increased loadings of pollutants and not cause or contribute to a violation of water quality standards by any discharges from its stormwater system (ref: NPDES permit Part A.2.e). Review the ordinance to ensure this requirement is met.
- The ordinance must include provisions to ensure that proper operation and maintenance is performed on all stormwater BMPs and that there is a reduction in pollutants from BMPs that discharge into the MS4 system. (This applies to the owners and operators of all such BMPs, including the City of York.)
- At times, template language will be provided (i.e., by PADEP, USEPA or the York County Planning Commission). It is very important to thoroughly read any template language, and modify accordingly!!! Oftentimes, template language will not be applicable either to Pennsylvania or to a City of the Third Class, or other sections of the City of York Code may already address part of the template language.
- Note that any stormwater changes that specifically impact the floodplain or floodway will need to be checked against state and federal floodplain management requirements for compliance.
- Submit the draft ordinance to the City Engineer and lead City enforcement staff for review and comment.
- Incorporate the staff comments.
- If you know in advance of any expressed opinions from the public regarding stormwater, incorporate them into the draft ordinance if appropriate. For example, the public may have expressed opinions during Council meetings, informal discussions with staff, etc. Some comments may be more appropriately addressed via another means (i.e., the enforcement response plan, policy of Permits, Planning & Zoning Office, etc.).
- Submit the draft to the City Solicitor for review and comment in accordance with Article 115.01(a). If you have any specific questions, be sure to call them out in the cover memorandum requesting review.
- Incorporate City Solicitor comments into the draft ordinance. If changes are substantial, or if you are unsure if the changes you made meet the intent of the City Solicitor's comments, resubmit for a second round of City Solicitor comment and final approval.
- You are ready to move on to the next step: Public Comment.

2.2.2. Obtaining Public Comment

- The draft ordinance should now be ready to present to the public for comment. There are four measures for obtaining public input on stormwater ordinances required by the MS4 permit: advertising the ordinance; providing opportunities for public comment; evaluating public input and feedback; and, documenting the comments and the municipal response to the comments.

- Provide an opportunity for public comment through: informal meeting(s), open house (not hearing); internet solicitation; advertising on WRCT; and/or, other means. A meeting or an open house does not need to be formal: the idea is to obtain meaningful public comment. The meeting or open house can be held during select civic group meetings, neighborhood meetings, before Council meetings, etc.
- Take notes during public meetings, and collect all public comments.
- Document all public comments, and provide a written municipal response to each comment for the file. Similar comments may be grouped together under one response. If the draft ordinance was modified to accommodate the public comment, indicate that this occurred and where it was incorporated. If the public comment was not incorporated into the draft ordinance, state the reason(s). This information is required to demonstrate compliance with the MS4 permit, and to protect the City of York in tort suits. It is also generally accepted practice to document public comments.
- While the information is not usually shared with the public, it is important to format the information so that it is acceptable for public viewing should it be requested. It can also be an attachment to the MS4 annual report.
- Ask the City Solicitor to review any language proposed from the public comment process, and incorporate any changes as appropriate.
- You are now ready to move onto the next step: City Council Approval Process.

2.2.3. City Council Approval Process

- Please note: legislation (i.e., an ordinance) presented to Council for consideration is called a bill. For ease of reading, this SOP will continue to refer to the ordinance as an ordinance, not a bill.
- The ordinance is now ready to go through the City Council approval process.
- Fill out a committee issues chart and email it, along with an electronic version of the final draft ordinance to the City Clerk, and request that the item be placed on the next Council committee agenda. Deadlines for committee submission are as follows: by 12:00 p.m. on the Wednesday business day prior to the next regularly committee meeting. (Current deadlines and the supplemental agenda process can be obtained from the City Clerk and the City of York website. Deadlines are set by resolution and are incorporated into the rules and procedures of the Council.)
- The City Clerk will include your item on the committee agenda for Council discussion. Committee meetings are normally held on the 4th Wednesday of each month (or as otherwise stated) at 6:00 p.m. in City Council Chambers. Staff representation is required at the committee meeting to discuss the ordinance and answer questions.
- If corrections are made to the ordinance during the committee meeting, make said corrections and forward the corrected ordinance back to the City Clerk for inclusion on Council's legislative agenda.
- Council will determine which legislative meeting the ordinance will be introduced, unless a specific meeting date is requested. Legislative meetings are normally held the 1st and 3rd Tuesday of each month (unless otherwise stated) at 7:00 p.m. in City Council Chambers. There is normally no discussion of the ordinance when it is introduced.
- Once introduced, the City Clerk will insert the appropriate bill number, introductory date, introducing Council member, and introductory text.
- Once the ordinance is introduced, the City Clerk will advertise the proposed ordinance in the legal ad section of the newspaper as required under Pennsylvania statute. This will meet the advertising requirement of the MS4 permit.
- The ordinance will be introduced by Council at one meeting and considered for final passage at the next City Council meeting (unless a different meeting date is requested).

- Obtain a copy of the legal advertisement and place it in the ordinance project file. A copy can be obtained by cutting the advertisement out of the publishing newspaper, or by requesting a copy of the City Clerk's Proof of Publication received from the publishing newspaper. An example Proof of Publication is located in Appendix B.
- At the next meeting, City Council will consider the ordinance for final passage. A City of York staff member will attend the Council meeting to answer any questions from the public or Council. Since the stormwater ordinance will most likely be generated from Public Works, the Public Works Director will probably attend the meeting to address questions. The Public Works Director may also have you attend to answer any detailed questions that may arise.
- At the meeting, the Council President will give the public an opportunity to comment on the proposed legislation.
- Document questions and comments presented by the public, and any responses.
- One of four courses of action will occur: Council will pass the ordinance; Council will fail the ordinance; Council will table the ordinance until questions/concerns are addressed; or, Council will refer the ordinance back to committee for further discussion.
- If the ordinance passes,
  - The City Clerk assigns an ordinance number, records the date the ordinance passed/failed, records the votes, then submits the approved ordinance to the Mayor for approval *via* signature (ordinances that fail do not require the Mayor's signature).
  - The Mayor has ten days after City Council submits the ordinance to either approve or disapprove (veto) the ordinance.
  - Once the Mayor signs the approved Ordinance, the City Clerk will email the signed ordinance back to whoever submitted the bill to show that it was approved. Place this in the project file for documentation.
  - The ordinance date of passage is the date Council passes finally the ordinance.
  - The ordinance effective date is 20 days after the Mayor signs the ordinance, unless a later date is stated in the ordinance itself. To determine the ordinance effective date, count 20 days starting on the day following the Mayor's signature. For example, an ordinance signed by the Mayor on May 6th would become effective on May 26th.
- If the ordinance fails,
  - The process must be started over again so an ordinance can be passed that meets the requirements of the MS4 permit: not meeting MS4 permit requirements is not an option.
- If the ordinance is referred to committee, contact the City Clerk for process and information.

3. File Documentation

- Fully document the project file regarding sources used to draft the ordinance, Solicitor comment, public comment, passage, etc. Proper documentation is used for audit compliance, to provide documentation against tort suits, and to show ordinance requirements were not crafted in an arbitrary or capricious manner.
- The following items should be included in the project file:
  - Reason for creating the ordinance or amendment
  - All sources used to generate or amend the ordinance
  - Iterations of the ordinance
  - Staff notes and comments
  - Solicitor comments
  - Public comments
  - Minutes from the public meeting/open house
  - Any materials used at the open house/meeting (such as an agenda, work sheets, PowerPoint slides, etc.)

- Any documentation of advertising such as on the City of York website, WRCT, any fliers distributed, etc.
- Responses to public comments
- Ordinance as presented to Council
- Copy of the passed ordinance with mayoral signature and City Clerk attachment.
- Proof of Publication
- Ordinance effective date (noted)

- While the permit requires that records of documentation related to MS4 program be kept for a minimum of three years, the permit itself has a five-year lifespan and the statute of limitations for audit records review by EPA is generally five years. It is recommended that the information be retained for a minimum of five years.

4. Submit Documentation to the State

- MS4 Permit Appendix A, MCM#3, BMP5 requires the City of York to "submit documentation of completion" to the Pennsylvania Department of Environmental Protection (PADEP). MS4 Permit Appendix A, MCM#2, BMP2 requires public notice and opportunities for public review, input and feedback into the stormwater ordinance.
  - Generate an interoffice cover memorandum that includes the ordinance name, date of final passage (enactment), effective date, date of public notice, a statement that the ordinance meets MS4 permit requirements, and that the information must be submitted to PADEP with the MS4 annual report. Attach documentation required by the annual report: public comment documentation, proof of publication, and passed ordinance. Send to the Director of Public Works. Keep a copy of the memorandum for the file.

Appendix A:
Example Ordinance with Format, Strike-Through, and Bolded Highlighted Text

TITLE THREE - Public Sewers
Art. 931. Sanitary Sewers
Art. 932. Plumbing Requirements
Art. 933. Sewer Rentals
Art. 935. Storm Sewers

ARTICLE 931
Sanitary Sewers

931.01 Definitions
931.02 Prohibited wastes
931.03 Industrial wastes
931.04 ~~Inspections~~ **Access to Premises, Right of Entry**
931.05 Sewage, wastes and spilled matter not to be discharged into watercourses
931.06 Garages
931.07 Interceptors Required
931.08 Hotels and restaurants
931.09 Violations
931.10 Sewer rental surcharges; determination and measuring volume
931.11 ~~Suspension and termination of service~~ **Remedies**
931.12 Public Notice of Significant Violators
931.13 Public Access To Information
931.14 Hazardous Waste
931.15 Record Keeping
931.16 Administration
931.17 Appeals
931.18 Validity
931.99 Penalty

CROSS REFERENCES

Federal Water Pollution Control Act - (Clean Water Act); (as amended 33 U.S.C. 1251, et seq.)
Federal pretreatment regulations - 40 CFR chapter I, subchapter N
Sewer connections - see 3rd Class 3201 et seq. (53 P.S. 38201 et seq.)
City may charge tapping fee - see 3rd Class 3202 (53 P.S. 38202)
Power to furnish facilities outside City - see 3rd Class 3250 (53 P.S. 38250)
Sewage disposal standards - see 25 Pa. Code 73.1 et seq.
Waste water treatment - see 25 Pa. Code Ch. 95
Industrial wastes - see 25 Pa. Code Ch. 97
Industrial wastes charge - see S. U. & P.S. 933.04
New subdivision sewers - see P. & Z. ~~1307.07~~ **1336.07**

931.01 DEFINITIONS.

The following words and terms, when used in this article, shall have the following meanings, unless the context clearly indicates otherwise~~:~~. **Definitions not found in this article may be found in 40 CFR chapter I, subchapter N.**

(a) "Act" means Federal Water Pollution Control Act, also known as the Clean Water Act, as amended 33 U.S.C. 1251, et seq.

(b) "Best Management Practice" or "BMPs" means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to implement the general and specific prohibitions listed in Section 931.02 and 40 CFR 403.5(a)(1) and (b). BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

(~~b~~c) "~~B.O.D.~~ **BOD** (Biochemical oxygen demand)" means the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five (5) days at twenty degrees ~~Centigrade~~ **Celsius**, expressed in terms of weight and concentration (milligrams per liter (mg/~~L~~l)).

(~~c~~d) "Categorical Pretreatment Standards" or **"Categorical Standard"** means any regulation containing pollutant discharge limits set forth by the EPA **that apply to a specific category of Industrial Users and that appear in 40 CFR chapter I, subchapter N.**

(e) "CFR" means Code of Federal Regulations.

(~~d~~f) "Commercial Wastes" means the wastes generated from a commercial operation as distinct from domestic, and industrial sewage.

(~~e~~g) "Composite sample" means a combination of individual samples obtained at regular intervals over ~~a specified time period not to exceed two hours~~ **the period of discharge. Whenever practical, composite samples shall be proportionate to flow rate so as to be representative of the discharge during the period of sampling. When an industrial waste discharge is collected over a period of time and discharged as a daily basis or less frequent batch, a single sample from the batch shall be considered a composite sample for purposes of this Article.**

(f) ~~"Daily average concentration" means the concentration as determined by a twenty-four-hour composite sample. (Ord. 02-7. Passed 2-20-02.)~~

(~~g~~h) "Daily discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants expressed in other units of measurement (i.e., mg/l), **except for pH,** the "daily discharge" is calculated as the arithmetic average measurement of the pollutant **derived from all measurements taken that** ~~over the~~ day **or by the measurement of a composite sample taken that day**. (Ord. 50-2003. Passed 12-16-03)

(i) "Discharge" means "indirect discharge."

(~~h~~j) "Domestic sewage" means the water-borne waste derived from ordinary living processes.

(k) "Existing source" means any source of discharge that is not a "new source."

(il) "Garbage" means solid waste from the preparation, cooking and dispensing of food, and from the handling, storage and sale of produce.

(jm) "Garbage grinders" means a mechanical device ~~which~~ **that** shreds or grinds food **into small particles** for the purpose of sewage disposal.

(kn) "General Manager" means the General Manager of the ~~York City~~ **City of York** Wastewater Treatment Plant or his duly authorized representative**s or designees**.

(lo) "Grab sample" means an individual sample ~~collected in less than fifteen minutes~~ **that is taken from a wastestream without regard to the flow in the wastestream and over a period of time not to exceed fifteen (15) minutes.**

(mp) "Ground garbage" means the residue from the preparation, cooking and dispensing of food that has been shredded to such degree that all particles shall be carried freely in suspension under the normal flow conditions prevailing in the sewer conduit to which they are contributory and those prevailing ~~in~~ public sewers with no particle greater than one-half inch in any dimension.

(q) "Indirect discharge" or "Discharge" means the introduction of pollutants into the POTW from any non-domestic source.

(r) "Industrial user" means any "user" that discharges "industrial wastes."

(ns) "Industrial wastes" means the wastes from industrial processes as distinct from domestic, and commercial sewage.

(ot) "Instantaneous maximum concentration" means the concentration not to be exceeded at any time in any grab sample.

(pu) "Interceptor" means a device designed and installed so as to separate and retain deleterious, hazardous, or undesirable matter from normal wastes, while ~~permitting~~ **allowing** normal sewage or wastes to discharge into the drainage system by gravity.

(qv) "Interference" means a discharge which, alone or in conjunction with a discharge or discharges from other sources, both:

(1) Inhibits or disrupts the POTW, its treatment processes or operations, or its sludge processes, use or disposal; and

(2) Therefore is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation) or of the prevention of sewage sludge use or disposal in compliance with the following statutory provisions and regulations or permits issued thereunder (or more stringent State or local regulations): Section 405 of the Clean Water Act, the Solid Waste Disposal Act (SWDA) (including Title II, more commonly referred to as the Resource Conservation and Recovery Act (RCRA), and including State regulations contained in any State sludge management plan prepared pursuant to Subtitle D of the SWDA), the Clean Air Act, **the Toxic Substances Control Act,** and the Marine Protection, Research and Sanctuaries Act [40 CFR 403.3(ik)]. (Ord. 02-7 Passed 02/20/02; Ord. 50-2003. Passed 12-16-03.)

(w) "Local limit" means specific discharge limits developed and enforced by the City of York upon industrial or commercial facilities to implement the general and specific discharge prohibitions listed in 40 CFR 403.5(a)(1) and (b). Local limits are found at Section 931.02(b)(2), Section 931.02(b)(6), and Section 931.02(b)(13.

(~~r~~x) "Maximum daily limit" means the highest allowable "daily discharge" of a pollutant. (Ord. 50-2003. Passed 12-16-03.)

(~~s~~y) "mg/l" means milligrams per liter.

(z) "Monthly average" means the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month.

(aa) "Monthly average limit" means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month.

(~~t~~ab) "New source" means any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced after the publication of proposed Pretreatment Standards under Section 307(c) of the Clean Water Act if such standards are thereafter promulgated in accordance with that section (provided that certain conditions dealing with the construction and siting of that source vis-a-vis other sources are met) [40 CFR 403.3(~~k~~) **(m)(1)**].

(~~u~~ac) "Pass through" means a discharge which exits the POTW into waters of the United States in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation) [40 CFR 403.3(~~n~~p)].

(~~v~~ad) "pH" means the logarithm (base 10) of the reciprocal of the weight of hydrogen ions in grams per liter of solution. **It is a measure of the acidity or alkalinity of a solution, expressed in standard units.**

(~~w~~ae) "Person" means any individual, partnership, firm, company, corporation, association, joint stock company, trust, estate, governmental entity or any other legal entity, or their legal representatives, agents or assigns. The masculine gender shall include the feminine, the singular shall include the plural where indicated by the context.

(af) "Pollutant" means dredged spoil, solid waste, incinerator residue, filter backwash, sewage, garbage, sewage sludge, munitions, medical wastes, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, municipal, agricultural and industrial wastes, and certain characteristics of wastewater (e.g., pH, temperature, TSS, turbidity, color, BOD, COD, toxicity, or odor).

(ag) "Pretreatment" means the reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater prior to or in lieu of discharging or otherwise introducing such pollutants into a POTW. The reduction or alteration may be obtained by physical, chemical or biological processes, process changes or by other means, except as prohibited by 40 CFR 403.6(d). Appropriate pretreatment technology includes control equipment, such as equalization tanks or facilities, for protection against surges or slug loadings that might interfere with or otherwise be incompatible with the POTW. However, where wastewater from a regulated process is mixed in an equalization facility with unregulated wastewater or with wastewater from another regulated process, the effluent from the equalization facility must meet an adjusted pretreatment limit calculated in accordance with 40 CFR 403.6(e).

(ah) **"Pretreatment requirements" means any substantive or procedural requirement related to Pretreatment, other than a National Pretreatment Standard, imposed on an Industrial User.**

(ai) **"Pretreatment standards or standards" shall mean Categorical Standards, standards established by 40 CFR 403.5(b), and Local Limits.**

(~~x~~aj) "Publicly Owned Treatment Works" or "POTW" means a treatment works as defined by section 212 of the Act, which is owned by a State or municipality (as defined by section 502(4) of the Act); This definition includes any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature. It also includes sewers, pipes and other conveyances only if they convey wastewater to a POTW Treatment Plant. The term also means the municipality as defined in section 502(4) of the Act, which has jurisdiction over the Indirect Discharges to and the discharges from such a treatment work [40 CFR 403.3(~~e~~g)].

(~~y~~ak) "Sanitary sewer" means a sewer ~~which~~ **that** carries sewage and to which storm, surface and ground waters are not intentionally admitted.

(~~z~~al) "Sewage" means a combination of the water-carried wastes from residences, business buildings, institutions and industrial establishments, together with such ground, surface and storm waters as may be present.

(~~aa~~am) "Sewage works" means all facilities for collection, pumping, treating and disposing of sewage (see Publicly Owned Treatment Works-POTW).

(an) **"Significant Industrial user (SIU)" means, except as provided in paragraphs (3) and (4) of this Section,**

(1) An Industrial User subject to categorical Pretreatment Standards; or

(2) An Industrial User that:

(A) Discharges an average of twenty-five thousand (25,000) gallons per day (gpd) or more of process wastewater to the POTW (excluding sanitary, non-contact cooling and boiler blowdown wastewater);

(B) Contributes a process wastestream which makes up five (5) percent or more of the average dry weather hydraulic or organic capacity of the POTW treatment plant; or

(C) Is designated as such by the City of York on the basis that it has a reasonable potential for adversely affecting the POTW's operation or for violating any Pretreatment Standard or Requirement.

(3) The General Manager may determine that an Industrial User subject to categorical Pretreatment Standards is a Non-Significant Categorical Industrial User rather than a Significant Industrial User on a finding that the Industrial User never discharges more than 100 gallons per day (gpd) of total categorical wastewater (excluding sanitary, non-contact cooling and boiler blowdown wastewater, unless specifically included in the Pretreatment Standard) and the following conditions are met:

(A) The Industrial User, prior to the General Manager's finding, has consistently complied with all applicable categorical Pretreatment Standards and Requirements;

(B) The Industrial User annually submits the certification statement required in 40 CFR 403.12(q), together with any additional information necessary to support the certification statement; and

(C) The Industrial User never discharges any untreated concentrated wastewater.

(4) Upon a finding that a User meeting the criteria in Subsection (2) of this part has no reasonable potential for adversely affecting the POTW's operation or for violating any Pretreatment Standard or Requirement, the General Manager may at any time, on its

own initiative or in response to a petition received from an Industrial User, and in accordance with procedures in Federal pretreatment requirements of 40 CFR chapter I, subchapter N, determine that such User should not be considered a Significant Industrial User.

(ao) "Slug" or "slug discharge" means any discharge at a flow rate or concentration, which could cause a violation of the prohibited discharge standards in Section 931.02 of this ordinance. A slug discharge is any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass-through, or in any other way violate the POTW's regulations, local limits or permit conditions.

(~~bb~~**ap**) "Storm Water" means storm water runoff, snow melt runoff, and surface runoff and drainage.

(~~cc~~**aq**) "Storm sewer or storm drain" means a sewer ~~which~~ **that** carries storm and surface waters and drainage, but excludes sewage and polluted industrial wastes.

(~~dd~~**ar**) "Suspended solids" means the total nonfilterable residue retained on a glass fiber filter, **0**.45 micron, and dried at a temperature of 103-105 **degrees Celsius** to a constant weight.

(~~ee~~**as**) "Toxic Pollutant" means any pollutant or combination of pollutants listed as toxic in regulations promulgated by the Administrator of the Environmental Protection Agency under the provision of the Clean Water Act 307(a) or other Acts.

(~~ff~~**at**) "Treatment plant" means the ~~York City~~ **City of York** Wastewater Treatment Plant, 1701 Black Bridge Road, York, PA 17402.

(~~gg~~**au**) "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with categorical Pretreatment Standards because of factors beyond the reasonable control of the Industrial User. An Upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation [40 CFR 403.16(a)]. (Ord. 02-7. Passed 2-20-02; Ord. 50-2003. Passed 12-16-03.)

(av) "User" means a source of indirect discharge.

(aw) "Wastewater" means liquid and water-carried industrial wastes and sewage from residential dwellings, commercial buildings, industrial and manufacturing facilities, and institutions, whether treated or untreated, which are contributed to the POTW.

931.02 PROHIBITED WASTES.

(a) No person shall discharge or cause to be discharged any storm water, surface water, ground water, roof run-off or substance drainage ~~except around basement walls~~ into any sanitary sewer. **Swimming pool drainage shall be allowed provided the Pennsylvania Department of Environmental Protection swimming pool water discharge guidelines are followed, including dechlorination and neutralization of water prior to discharge to an on-site sanitary sewer cleanout.** The addition of cooling water or unpolluted water or an increase in the use of process water for the purpose of reducing the concentrations of substances that are limited or prohibited by this article **or federal pretreatment standard or requirement** shall be prohibited. **No User shall ever increase the use of process water, or in any way attempt to dilute a discharge, as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable**

Pretreatment Standard or Requirement. The General Manager may impose mass limitations on Users who are using dilution to meet applicable pretreatment standards or requirements, or in other cases when the imposition of mass limitations is appropriate.

(b) Except as hereinafter provided, no person shall discharge or cause to be discharged at any time any of the following described wastes or waters into any sanitary sewer or drain connected therewith: **. Pollutants, substances or wastewaters prohibited by this section shall not be processed or stored in such a manner that they could be discharged to the POTW.**

(1) Any liquid or vapor having temperature which shall inhibit biological activity in the treatment plant resulting in an inhibition or disruption of the Treatment Plant process, but in no case wastewater with a temperature upon reaching the Treatment Plant which exceeds 40° C (104° F) or upon reaching the public sewer of ~~82~~**49°** C (~~180~~**120°** F). (Ord. 02-7. Passed 2-20-02)

(2) Any water or waste containing more than 100 mg/l by weight of **total hexane-extractible** ~~recoverable~~ **materials, commonly referred to as** oil and grease, **as per** ~~40 CFR 136.3.~~ **EPA method 1664**. (Ord. 50-2003. Passed 12-16-03)

(3) Any garbage that is not ground garbage.

(4) Any ashes, cinders, sand, mud, straw, hay scraps, rags, shavings, metal, glass, bones, feathers, rubber, tires, plastic, wood, paunch manure, butchers' offal, grease or ~~solid fat,~~ floating oil or any other solids or viscous substance capable of causing obstruction to the flow in sewers or other interference with the proper operation of the sewage works. (Ord. 33-1982 1. Passed 12-28-82.)

(5) Any water or waste having **at any time** a pH lower than 5.5 or higher than 11.0 or having any corrosive property capable of causing damage or hazards to structures, equipment or personnel or the sewage works or affecting the biological treatment of the waste. (Ord. 02-7. Passed 2-20-02)

(6) Any ~~water or waste containing any substances in concentrations in excess of the following limits~~ **discharge containing any substances in excess of the following concentrations, provided that the General Manager may waive this requirement on a case-by-case basis to impose an equivalent mass discharge limit when an Industrial User implements water conservation measures:**

Substances	~~Maximum~~ Daily **Discharge** Limit (mg/~~L~~ **l**)
Arsenic, **Total**	0.2
Cadmium, **Total**	0.16
Chromium, **Total**	0.9
Copper, **Total**	1.6
Cyanide, **Total**	0.005 or 0.9 by permit
Lead, **Total**	0.5
Mercury, **Total**	0.05
Molybdenum, **Total**	3.0
Nickel, **Total**	1.5
Selenium, **Total**	0.5
Silver, **Total**	1.3
Zinc, **Total**	5.0

~~(7) Any toxic substance that shall pass through the sewage works and exceed State or Federal Environmental quality standards or cause an adverse effect on the POTW treatment processes or the quality of the Wastewater Treatment Plant effluent.~~

(8**7**) Any water or waste containing pollutants of such character and quantity that unusual attention or expense is required to handle such materials at the wastewater treatment plant, ~~without~~ **unless** a permit **is** obtained in accordance with Section 931.03.

(9**8**) Any water or waste containing any pollutant**, including oxygen demanding pollutants (BOD, etc), released** at a flow rate and/or **pollutant** concentration which**, either singly or by interaction with other pollutants,** causes interference **or pass through**.

(~~10~~**9**) Any toxic radioactive isotopes, without special permit. Biomedical waste disposal in accordance with 10 CFR Part 20 "Standards for Protection Against Radiation", is permitted.

~~(11) Any fuel or flammable material.~~

(12**0**) Any substance which may form a deposit tending to cause a stoppage or injure, in any way, the sewage works.

(13**1**) Any tar or by-products from any gas works or similar establishment.

(14**2**) Any ~~pathological matter~~ **infectious waste, which is defined as any substance which consists of or is contaminated by pathogens or other etiologic agents, and which has not been sterilized, neutralized, or otherwise rendered harmless. Infectious waste includes, but is not limited to: contaminated blood, blood products or other bodily fluids (excepting excreta discharged by normal bodily functions); wastes, including excreta, from patient isolation areas; laboratory samples or test materials; animal wastes and bedding; body parts; pathology and autopsy wastes; and glassware, hypodermic needles, surgical instruments and other sharps.**

(15**3**) Any water or waste by any person having any average daily discharge to the sewage works of more than 5,000 gallons per day ~~containing~~ **with a daily average concentration of** more than 3,000 mg/~~L~~**l**. of ~~B.O.D~~ **BOD**.

(16**4**) Pollutants which create a fire or explosion hazard in the POTW, including, but not limited to, wastestreams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees ~~Centigrade~~ **Celsius** using the test methods specified in 40 CFR 261.21.

(17**5**) Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through.

(18**6**) Pollutants which result in the presence of toxic gases, vapors or fumes within the POTW in a quantity that may cause acute worker health and safety problems.

(19**7**) Any trucked or hauled pollutants, except at discharge points designated in writing by the General Manager of the POTW.

(18) Noxious or malodorous liquids, gases, solids, or other wastewater which, either singly or by interaction with other wastes, are sufficient to create a public nuisance or a hazard to life, or prevent entry into the sewers for maintenance or repair.

(19) Wastewater that imparts color that cannot be removed by the POTW treatment process, such as, but not limited to, dye wastes and vegetable tanning solutions, which consequently imparts color to the treatment plant's effluent.

(20) Sludges, screenings, or other residues from the pretreatment of industrial wastes.

(21) Detergents, surface-active agents, or other substances that might cause excessive foaming in the POTW or its effluent.

(c) The Federal Pretreatment Regulations do not allow a waiver of pretreatment standards, or local limits, for Categorical Industrial Users. **The City of York hereby incorporates by reference all federal Categorical Pretreatment Standards at 40 CFR Chapter I, Subchapter N, as if they were fully set forth herein, and such standards shall be the standards applied under this Ordinance to the appropriate classes of industrial User.**

(1) Where a categorical pretreatment standard is expressed only in terms of either the mass or the concentration of a pollutant in wastewater, the General Manager may impose equivalent concentration or mass limits as allowed by Federal pretreatment regulation.

(2) When the limits in a categorical pretreatment standard are expressed only in terms of mass of pollutant per unit of production, the General Manager may convert the limits to equivalent limitations expressed either as a mass of pollutant discharged per day or effluent concentration for purposes of calculating effluent limitations applicable to individual Industrial Users.

(3) When wastewater subject to a categorical Pretreatment Standard is mixed with wastewater not regulated by the same Standard, the General Manager shall impose an alternate limit in accordance with 40 CFR 403.6(e).

(4) A Categorical Industrial User may obtain a net/gross adjustment to a categorical Pretreatment Standard in accordance with the requirements of 40 CFR 403.15.

Appendix B:
Example Proof of Publication

Proof of Publication
State of Pennsylvania

AD # 0001171271-01

The York Dispatch/York Sunday News and York Daily Record are the names of the daily newspaper(s) of general circulation published continuously for more than six months at its principal place of business, 1891 Loucks Road, York, PA 17408.

Attach Copy of Advertisement here

The printed copy of the advertisement hereto attached is a true copy, exactly as printed and published, of an advertisement printed in the regular issues of the said **The York Dispatch/York Sunday News and York Daily Record** published on the following dates, viz:

9/26/2011

NOTICE - YORK CITY COUNCIL

Council has introduced and will consider passage of the following Bills at a future meeting of Council:

Bill No. 31 - Amending Article 931 "Sanitary Sewers," Section 931.92(b)(6) "Prohibited Wastes," to modify the local limits.

Bill No. 32 - Accepting a dedication of land from the estate of Carroll Gemmill known as 1001 and 1003 S. Queen St., York City; authorizing the expense of acquiring the same; and providing for payment and/or waiver of associated costs.

Bill No. 33 - Amending Title 4 "Stormwater Management" of the Codified Ordinances to repeal current language and replace with a comprehensive Stormwater Management ordinance.

Bills may be examined in the City Clerk's Office, 1 Marketway West, 3rd Fl., York, weekdays from 9am-4pm or call 849-2246 to review said Bill(s) and to inquire about proposed date(s) for adoption. Upon advertisement, adoption of legislation will take place at a Regular meeting of Council, held in Council Chambers at 7pm on either the 1st or 3rd Tuesday of each month, at 1 Marketway West, 3rd Floor, York, PA, unless another location or time is advertised. Persons with disabilities may call 849-2883 if accommodations are needed to participate in Council proceedings. Persons with hearing impairments may call the Deaf Center at TDD 848-6765.

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF YORK

Before me, a Notary Public, personally came
Linda Smith who being duly sworn deposes and says that she is the Layout Supervisor of The York Dispatch/York Sunday News and York Daily Record and her personal knowledge of the publication of the advertisement mentioned in the foregoing statement as to the time, place and character of publications are true, and that the affiant is not interested in the subject matter of the above mentioned advertisement.

Sworn and subscribed to before me, on
this 26 day of September 2011

Sharon K. Wentz } Linda Smith

Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Sharon K. Wentz, Notary Public
West Manchester Twp., York County
My Commission Expires March 1, 2013
Member, Pennsylvania Association of Notaries

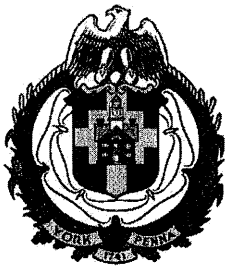
The charge for the following publication of above mentioned advertisement and the expense of the affidavit.

Advertisement Cost	$222.40
Affidavit Fee	5.00
Total Cost	$227.40

Council of the City of York, Pennsylvania

Carol Hill-Evans, President of Council
Henry Hay Nixon, Vice President of Council
Renee S. Nelson, Member of Council
Michael Helfrich, Member of Council
David Satterlee, Member of Council

Dianna L. Thompson-Mitchell, City Clerk
Email: dthompso@yorkcity.org



Office of York City Council
101 S. George St.
York, Pennsylvania 17401

Telephone: (717) 849-2246
Fax: (717) 812-0557

Website: www.yorkcity.org

AGENDA

March 18, 2014
Public Comment 6:30 p.m.
Legislative Session 7:00 p.m.

I. Public Comment: 6:30 p.m. to 7:00 p.m.

Disclaimer: *Pursuant to the Sunshine Act, the City of York will only record citizens' names and the subject of testimony provided during the public comment period. Should you request information or desire a response to your testimony, you must provide the City Clerk or Council President with your contact information. Information you provide will be used by City of York agents to process your request. Your name, address and request for information may be entered into the City of York complaint tracking system.*

City Council welcomes public comment on agenda items and on City-related issues not on the agenda. Under Council's adopted Rules and Procedures, comment on agenda items occurs during Council's regular 7:00 p.m. meeting. Comment on non-agenda items begins at 6:30 p.m., with Council sitting as a General Committee. Persons wishing to speak on non-agenda items should sign up with the City Clerk before the 6:30 Public Comment period. Each speaker shall have up to five minutes to speak. To assure access to all participants, the presiding officer may reduce the time limit down to three minutes if the number of speakers who have signed up would extend the total comment period beyond 30 minutes and/or may resume public comment after Council's legislative session has adjourned. Council's Rules, available from the City Clerk, are also on display in Council Chambers and on Council's web page at www.yorkcity.org.

II. Call Legislative Meeting to Order: 7:00 p.m.

III. Roll Call

IV. Pledge of Allegiance

V. Moment of Silence

VI. Action on previous meeting Minutes of **March 4, 2014**.

VII. Presentations, Proclamations and Awards

MS4 Program – Jim Gross, Director of Public Works, and Jeff Shue, City Engineer, will give background on the Municipal Separate Storm Sewer System.

VII. Committee Meeting(s) Scheduled

Committee Work Session – Scheduled for Wednesday, March 26, 2014 at 6:00 p.m. in Council Chambers. Committee items due by 12 noon on March 19th.

IX. Status of Prior Committee Referrals: No new reports.

X. Legislative Agenda: (Order of Business – Action on Subdivision/Land Development & HARB Resolutions; Final Passage of Bills/Resolutions; New Business.)

Subdivision / Land Development / HARB

1. Resolution No. _____ - A Resolution
   Accepting the recommendations of HARB. (View)
   Introduced by: Henry Hay Nixon
   Originator: Historic York

2. Resolution No. _____ - A Resolution
   Approving a final land development plan submitted by Cellco. (Verizon Wireless – to construct a cell tower at 390 Wheatfield St.) (View)
   Introduced by: Renee S. Nelson
   Originator: Economic & Community Development (PP&Z)

New Business

3. Resolution No. _____ - A Resolution
   Reappointing/Appointing members to various boards. (View)
   Introduced by: Henry Hay Nixon
   Originator: Mayor

Final Passage of Bills / Resolutions

4. Final Passage of Bill No. 5 _____ – A Bill
   Approving the inclusion of 2013 ordinances into the Codified Ordinance book. (View)
   Introduced by: Carol Hill-Evans
   Originator: Council

5. Final Passage of Bill No. 6 _____ – A Bill
   Amending Article 185 "Human Relations" of the Codified Ordinances. (To add a process for receiving cost of living adjustments) (View)
   Introduced by: Carol Hill-Evans
   Originator: Mayor

6. Final Passage of Bill No. 8 _____ – A Bill
   Amending Article 1763 "Property Maintenance Code" of the Codified Ordinances. (To clarify ambiguous language and responsibility) (View)
   Introduced by: Henry Hay Nixon
   Originator: Economic & Community Development (PP&Z)

7. Final Passage of Bill No. 7 _____ – A Bill
   Amending Article 507 "Booting" of the Codified Ordinances. (To add specific requirements for booting in the City of York) (View)
   Introduced by: Henry Hay Nixon
   Originator: Police

XI. Requests for Future Meetings
XII. Council Comment
XIII. Administration Comment
XIV. Adjournment
XV. Resumption of Public Comment Period (at the discretion of the presiding officer)

This agenda is subject to change before and during the meeting for consideration of such other business Council may desire to act upon including items of business deferred from previous Council meetings. If you are a person with a disability and plan to attend the public meeting, please call 849-2883 if any accommodations are needed to participate in the proceedings. Persons with hearing impairments may contact the Deaf Center at TDD 848-6765 for assistance.

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City Council Meeting Minutes

Back to list

March 18, 2014

Signed Resolutions / Signed Bills / Booting-FAILED

March 26, 2014 Committee Minutes

CALL TO ORDER: City Council convened in a General Committee meeting on March 18, 2014 at 6:30 p.m. in Council Chambers, 101 S. George St., York, PA, to receive general public comment, with the following Council members present: David Satterlee, Michael Ray Helfrich, Renee S. Nelson, Henry Hay Nixon, Vice President, and Carol Hill-Evans, President, with President Hill-Evans presiding.

I. Public Comment: 6:30 p.m. to 7:00 p.m.

Franklin Williams, York, PA, discussed possibly amending the snow removal ordinance to accommodate exception for light snowfall that would likely melt within a few hours. He then discussed snow emergencies, blighted properties, and potholes.

There being no further public comment, President Hill-Evans adjourned the general public comment session and convened in Legislative Session at 7:00 p.m., in Council Chambers, 101 S. George St., York, PA, with the following members present: David Satterlee, Michael Ray Helfrich, Renee S. Nelson, Henry Hay Nixon, Vice President, and Carol Hill-Evans, President, with President Hill-Evans presiding.

Members of the Administration in attendance included: Jim Gross, Director of Public Works, and Steve Buffington, Building Code Official. Also present was Assistant Solicitor Don Hoyt.

Members of York City Council staff in attendance included: Dianna L. Thompson-Mitchell, City Clerk.

II. Legislative Meeting called to Order: 7:00 p.m.

III. Roll Call

IV. Pledge of Allegiance was recited.

V. Moment of Silence was observed.

VI. Action on previous meeting Minutes of March 4, 2014.

Council dispensed with the reading of the Minutes of March 4, 2014 and unanimously approved them as written.

VII. Presentations, Proclamations and Awards

MS4 Program – Jim Gross, Director of Public Works, and Jeff Shue, C.S. Davidson, outlined and gave background on the Municipal Separate Storm Sewer System. (MS4 Program Information)

VII. Committee Meeting(s) Scheduled

Committee Work Session – Scheduled for Wednesday, March 26, 2014 at 6:00 p.m. in Council Chambers. Committee items due by 12 noon on March 19th.

IX. Status of Prior Committee Referrals: No new reports.

X. Legislative Agenda: (Order of Business – Action on Subdivision/Land Development & HARB Resolutions; Final Passage of Bills/Resolutions; New Business.)

Subdivision / Land Development / HARB

1. **Resolution No. 31** - A Resolution accepting the recommendations of HARB. (View)
Introduced by: Henry Hay Nixon
Originator: Historic York

Resolution No. 31, Session 2014, A Resolution accepting the recommendations of HARB in issuing a certificate of appropriateness for work to be covered in the applications filed by Thomas Warner for work to be done at 315 W. Princess St., and Toni Calderone for work to be done at 108 N. George St., was introduced by Nixon, read at length, and on motion of Nixon, seconded by Helfrich, Resolution No. 31 passed by the following vote: Yeas – Helfrich, Nixon, Satterlee, Nelson, Hill-Evans – 5; Nays – 0.

2. **Resolution No. 32** - A Resolution approving a final land development plan submitted by Cellco. (Verizon Wireless – to construct a cell tower at 390 Wheatfield St.) (View)
Introduced by: Renee S. Nelson
Originator: Economic & Community Development (PP&Z)

Resolution No. 32, Session 2014, A Resolution approving the final land development plan submitted by Cellco Partnership (d/b/a Verizon Wireless) to construct a new cellular tower at 390 Wheatfield St., was introduced by Nelson, read at length, and on motion of Nelson, seconded by Helfrich, Resolution No. 32 passed by the following vote: Yeas – Helfrich, Nixon, Satterlee, Nelson, Hill-Evans – 5; Nays – 0.

New Business

3. **Resolution No. 33** - A Resolution reappointing/appointing members to various boards. (View)
Introduced by: Henry Hay Nixon
Originator: Mayor

Resolution No. 33, Session 2014, A Resolution consenting to the appointment of Dr. Kenneth F. Woerthwein as a member of the York City Human Relations Commission to fill the unexpired term of Ralph Serpe, which term shall expire July 16, 2014; Appointment of Kittrell A. Barnes as a member of the York City Planning Commission, which term shall expire January 1, 2018; and Reappointment of Jamie Smith as a member of the York City Planning Commission, which term shall expire January 1, 2018, was introduced by Nixon, read at length, and on motion of Nixon, seconded by Nelson, Resolution No. 33 passed by the following vote: Yeas – Helfrich, Nixon, Satterlee, Nelson, Hill-Evans – 5; Nays -0.

Final Passage of Bills / Resolutions

4. **Final Passage of Bill No. 5, Ordinance No. 5** – A Bill approving the inclusion of 2013 ordinances into the Codified Ordinance book. (View)
Introduced by: Carol Hill-Evans
Originator: Council

Final Passage of Bill No. 5, Ordinance No. 5, Session 2014, A Bill approving inclusion of 2013 ordinances as part of the York City Codified Ordinances, which was introduced by Hill-Evans on March 4, 2014 and read by short title, came up for final passage. On motion of Hill-Evans, seconded by Nixon, Bill No. 5, Ordinance No. 5, passed by the following vote: Yeas – Helfrich, Nixon, Satterlee, Nelson, Hill-Evans – 5; Nays – 0.

5. **Final Passage of Bill No. 6, Ordinance No. 6** – A Bill amending Article 185 "Human Relations" of the Codified Ordinances. (To add a process for receiving cost of living adjustments) (View)
Introduced by: Carol Hill-Evans
Originator: Mayor

Final Passage of Bill No. 6, Ordinance No. 6, Session 2014, A Bill amending Article 185 "Human Relations" of the Codified Ordinances to add a process for HRC employees to receive a cost of living adjustment, which was introduced by Hill-Evans at the March 4, 2014 meeting of Council and read by short title, came up for final passage. On motion of Hill-Evans, seconded by Nixon, Bill No. 6, Ordinance No. 6, Session 2014, passed by the following vote: Yeas – Helfrich, Nixon, Satterlee, Nelson, Hill-Evans – 5; Nays – 0.

6. **Final Passage of Bill No. 8** – A Bill amending Article 1763 "Property Maintenance Code" of the Codified Ordinances. (To clarify ambiguous language and responsibility) (View)
Introduced by: Henry Hay Nixon
Originator: Economic & Community Development (PP&Z)

Final Passage of Bill No. 8, Ordinance No. 8, Session 2014, A Bill amending Article 1763 "Property Maintenance Code" of the Codified Ordinances to clarify language and responsibility, which was introduced by Nixon at the March 4, 2014 meeting of Council and read by short title, came up for final passage. On motion of Nixon, seconded by Helfrich, Bill No. 8 came up for discussion.

Building Code Official Steve Buffington explained that these amendments, in part, will change the "shall" language that tied the city's hands on options in making the rightful owner do what they should do to secure a property. He said this change gives us the tools to force the property owner to take action on the property. This will alleviate the city's liability so as to make it easier for city officials to obtain injunctions that would require property owners to do the work themselves. He explained that there is a cost associated with securing abandoned buildings and, unfortunately, many times the city never recoups those costs.

Councilman Helfrich pointed out Section 107.1.1 relating to notice requirements and asked Code Official Buffington to explain. Mr. Buffington explained that this amendment will allow officials to issue an immediate citation for those who deposit snow into the street.

Harriett Gray and Abby Nguyen spoken on behalf of Hilo Nguyen, father/father-in-law, who in November 2013 fell through the floor of a vacant building marked with a red "X." Ms. Nguyen said her father-in-law, and the owner of the building (located in 700 block of W. Philadelphia St.), entered the premises and her father-in-law fell through the floor into the basement. He later died of his injuries. She pleaded with the city to demolish or do something with this structure before someone else gets hurt.

George Shenberger, landlord, said there is a problem when neither the owner nor the city can afford to secure these dangerous buildings.

There being no further discussion, Bill No. 8, Ordinance No. 8, Session 2014, passed by the following vote: Yeas – Helfrich, Nixon, Satterlee, Nelson, Hill-Evans – 5; Nays – 0.

7. **Final Passage of Bill No. 7 (FAILED)** – A Bill amending Article 507 "Booting" of the Codified Ordinances. (To add specific requirements for booting in the City of York) (View)
Introduced by: Henry Hay Nixon
Originator: Police

Final Passage of Bill No. 7, Session 2014, A Bill amending Article 507 "Booting" of the Codified Ordinances to include specific requirements regarding booting in the city by private businesses, which was introduced by Nixon at the March 4, 2014 meeting of Council and read by short title, came up for final passage. On motion of Nixon, seconded by Satterlee, Bill No. 7 came up for discussion.

Vice President Nixon said it continues to concern him that there is a 15 minute wait to boot. He feels the 15 minute wait essentially allows 14½ minutes of free parking. He said this is a private parking issue and these business owners are trying to protect their right for parking charges that they pay taxes on. He said the 15 minute wait makes no sense.

Councilman Helfrich stated that Central Market representatives have said to him that they feel they have no other recourse because the civil tickets they were issuing for years was unenforceable and not cost effective. He said they came to the city looking for a potential solution to their problems. However, he said they are not even allow booting on market days. He stated that this is more about a good customer being 3 minutes late coming back to a parking space only to find out they've been booted. He said Central Market does not want to be that harmful to its customer base.

Amanda Devers, resident, said she feels the 15 minute wait to boot should be at the discretion of the property/business owner.

There being no further discussion, Bill No. 7 FAILED by the following vote: Yeas – Helfrich, Satterlee – 2; Nays – Nixon, Nelson, Hill-Evans – 3.

XI. Requests for Future Meetings: None

XII. Council Comment: None

XIII. Administration Comment: None

XIV. Adjournment

The next regular meeting of City Council is scheduled for April 1, 2014 at 7:00 p.m. (Public Comment commences at 6:30 p.m.) in City Council Chambers, 101 S. George St., York, PA. There being no further business, the March 18, 2014 meeting adjourned at 8:45 p.m.

XV. Resumption of Public Comment Period (at the discretion of the presiding officer): None

Mayor C. Kim Bracey © 2014 City of York, Pennsylvania - 101 South George Street, York, PA 17401 - (717) 849-2221

KBracey@yorkcity.org

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City Council
Economic and Community Development
Fire Department
Public Works
Human Relations Commission
Police Department
Sanitary Sewer Maintenance
Recreation and Parks Bureau
Wastewater Facilities
York City Parking Bureau

ELECTED OFFICIALS
Mayor C. Kim Bracey
Controller Robert Lambert
Treasurer Kerin Krebs
City Council
- Carol Hill Evans
- Henry Hay Nixon
- Renee S. Nelson
- David Satterlee
- Michael Helfrich

PLEASE VISIT

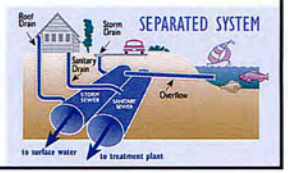
York City Stormwater Management

York City
2013-14 MS4 Public Meeting

C.S.Davidson, Inc. Excellence in Civil Engineering

Municipal Separate Storm Sewer System (MS4)

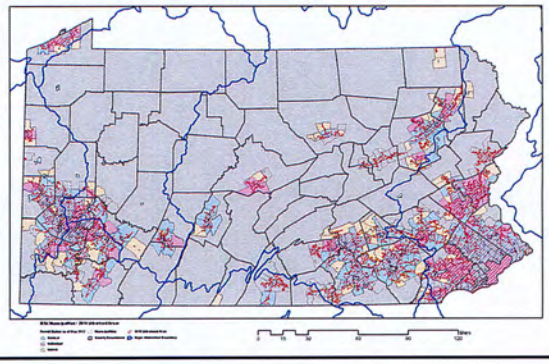
- A conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains)
  - Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body
  - Designed or used for collecting or conveying stormwater

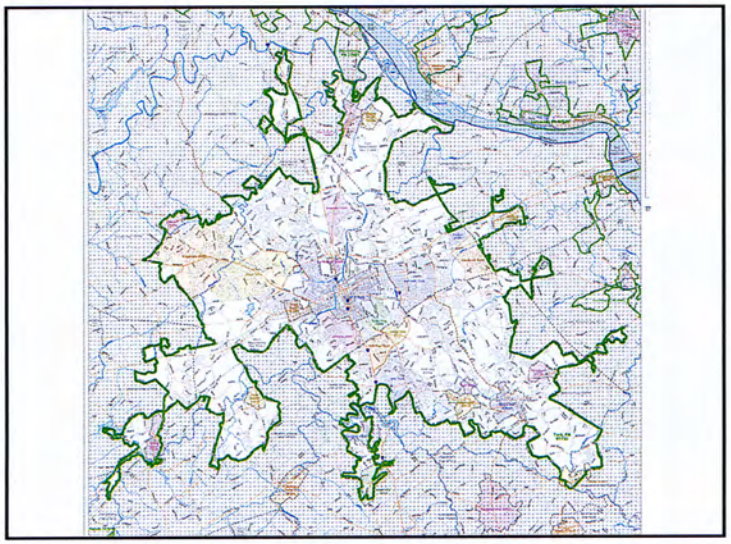


Regulated MS4s

- Small MS4s are designated as regulated by either
  - **Automatic Nationwide Designation – all small MS4s located in urbanized areas (UAs) as defined by the Bureau of the Census**
  - Potential Designation by DEP (NPDES Permitting Authority) – Required Evaluation
  - Potential Designation by DEP – Physically Interconnected

urbanized area (UA) = residential population of 50,000 or density of 1,000 people per square mile





NPDES Phase II MS4 Stormwater Program Goals

- Reduce the discharge of pollutants to the "maximum extent practicable" (MEP)
- Protect water quality
- Satisfy the appropriate water quality requirements of the Clean Water Act

Minimum Control Measures (MCM)

1. Public Education and Outreach on Stormwater Impacts
2. Public Involvement/Participation
3. Illicit Discharge Detection and Elimination (IDD&E)
4. Construction Site Stormwater Runoff Control
5. Post-Construction Stormwater Management (PCSM) in New and Redevelopment Activities
6. Pollution Prevention/Good Housekeeping for Municipal Operations

Minimum Control Measures (MCM)

1. **Public Education and Outreach on Stormwater Impacts**
2. **Public Involvement/Participation**

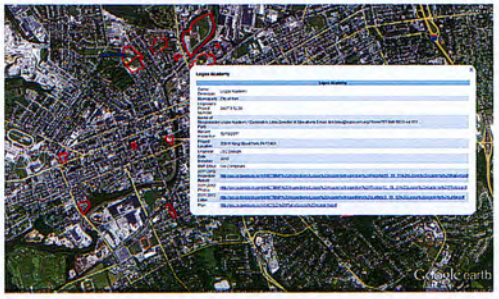
Community Outreach

Minimum Control Measures (MCM)

3. Illicit Discharge Detection and Elimination (IDD&E)
4. Construction Site Stormwater Runoff Control
5. Post-Construction Stormwater Management (PCSM) in New and Redevelopment Activities

City of York

BMP Mapping/Inventory

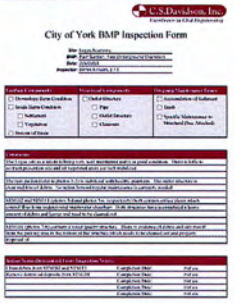


Data collection

- Flexible
- Easy
- Constantly expanded and evaluated
- Understood (by the collectors)
- Consistent

CITY OF YORK MS4 PROG

INSPECTION REPORTS


C.S. Davidson, Inc.

City of York BMP Inspection Form

MINIMUM CONTROL MEASURES (MCM)

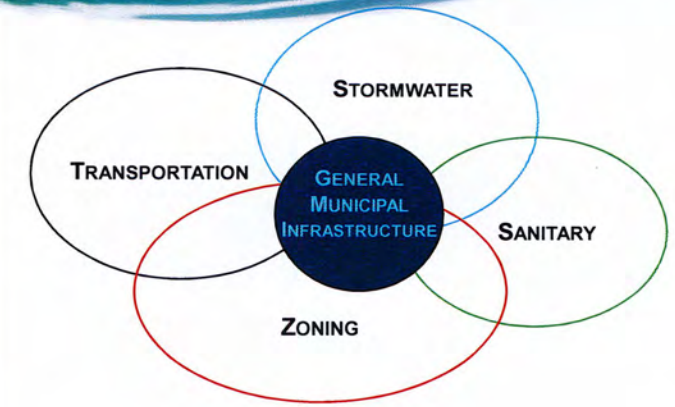
6. Pollution Prevention/Good Housekeeping for Municipal Operations

CITY OF YORK MS4 PROG

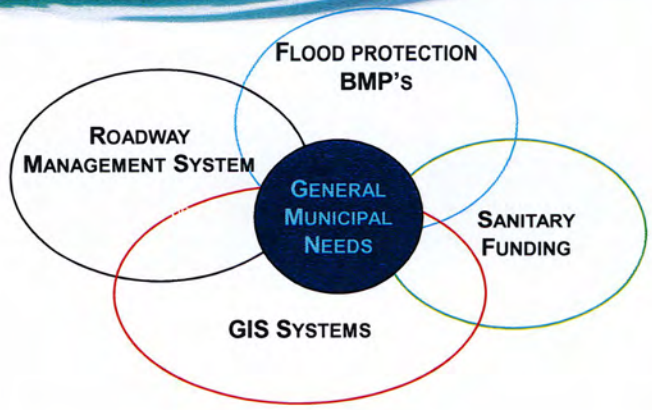
NPDES Phase II MS4 Stormwater Program Goals

- Reduce the discharge of pollutants to the "maximum extent practicable" (MEP)
- Protect water quality
- Satisfy the appropriate water quality requirements of the Clean Water Act

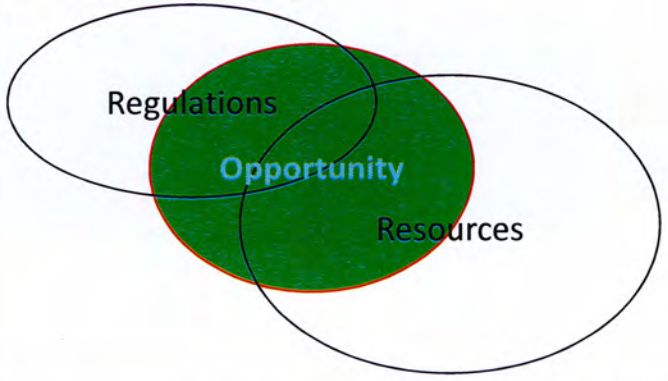
Regulations



Desired Resources

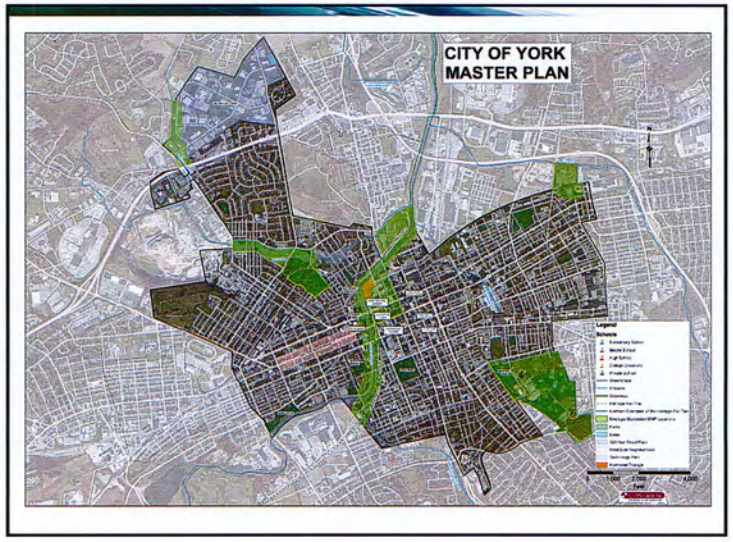


Using Regulations to Provide Res



PARTNERS

- Economic drivers
- Watershed groups
- School districts and higher education institutions
- Neighborhood groups



City of York: Green Action Plan

- Identify opportunities:
  - Economic and regulatory benefits
  - Aesthetic and environmental benefits

Scope of Work

- Select improvement areas
- Urban BMP strategies
- Cost/Benefit analysis

York City Stormwater Management

YORK CITY

2013-14 MS4 PUBLIC MEETING

C.S.Davidson, Inc.
Excellence in Civil Engineering

MCM 3 APPENDIX

1. MCM 3 Project Plan

2. BMP 3.1 Attachments

    a. Response to Annual Report MCM 3, BMP #1, Question #6.
    b. MS4 – IDDE Standard Operating Procedure

3. BMP 3.2 and 3.3 Attachments

    a. City of York Outfall Mapping*

4. BMP 3.4 Attachments

    a. Priority Outfall Tracking and Documentation List
    b. Outfall Field Inspections*
    c. Quarterly Inspection Summaries*

5. BMP 3.6 Attachments

    a. Illicit Discharge Complaint Records*

* Denotes Information is Located on Supplemental CD

City of York
2013 – 2014 MS4 Project Plan
MCM 3

BMP 3.1: The City must develop and implement a written program for the detection, elimination, prevention of illicit discharges. The City can rely heavily on the procedures outlined within the IDDE Manual, but must commit to a process. The program must address the following:

1) **Procedures for identifying priority areas**
   a) **Requirement:** The City must identify outfalls that have a high probability for illicit discharges. Outfalls located in areas of high risk activities, known illegal dump sites or know problems should be given priority.
   b) **Action Plan:** A list of Priority Outfalls was identified on Attachment 12A in the 2012-13 Annual Report. This list is reviewed annually and outfalls will be added or removed from this list based on the results of field inspections. The Sanitary Sewer Maintenance Supervisor is responsible for maintaining this list.

2) **Procedures for screening outfalls during various seasonal conditions**
   a) **Requirement:** Outfalls may be screened during any season; however rainfall and high groundwater may lead to inaccurate screenings.
   b) **Action Plan:** The City has created an Illicit Discharge Field Inspection Standard Operating Procedure which addresses this requirement. The City utilizes staff from their sanitary sewer department to complete field inspections. Because of the large number of outfalls in the City's system and because this staff must schedule these screenings with respect to all of their other responsibilities, the screenings naturally occur during different times of the year, over various seasons.

3) **Procedures for identifying a source of an illicit discharge**
   a) **Requirement:** A protocol must be developed by the City for illicit discharge identification.
   b) **Action Plan:** The City has created an Illicit Discharge Field Inspection Standard Operating Procedure which addresses this requirement. The City will rely on the IDDE Manual as a backup document for any situation which isn't specifically covered by their Procedure.

4) **Procedures for eliminating an illicit discharge**
   a) **Requirement:** A protocol must be developed by the City for illicit discharge elimination.
   b) **Action Plan:** The City has created an Illicit Discharge Field Inspection Standard Operating Procedure which addresses this requirement. The City will rely on the IDDE Manual as a backup document for any situation which isn't specifically covered by their Procedure.

5) **Procedures for assessing the potential for illicit discharges caused by the interaction of sewage disposal systems.**
   a) **Requirement:** Determine a method to prevent illicit discharges related to sewage disposal systems.
   b) **Action Plan:** Properties within the City of York are serviced by a public sanitary sewer system. Because this is not a combined system and on lot septic systems are also not currently being utilized, the potential for sewage related illicit discharges is very minimal.

6) **Mechanisms for gaining access to private properties**
   a) **Requirement:** The City must ensure that public works crews have the legal right and ability to access and maintain the City's storm sewer system and other facilities included in the MS4.
   b) **Action Plan:** Stormwater easements and O&M agreements are being executed and recorded with all new Subdivision Plans, Land Development Plans, and Stormwater Management Site Plans.

The City shall identify any locations where legal access is a concern and work to establish an easement. City crews do not currently have any issues with gaining access to City owned facilities.

7) **Procedures for program documentation, evaluation, and assessment.**
   a) **Requirement:** The City shall incorporate into this written plan, the current process to schedule, assign, follow-up, review, and maintain the procedures of all IDDE inspections.
   b) **Action Plan:** Members of the York City MS4 Taskforce will review IDDE inspection data and procedures annually, at a minimum.

BMP 3.2: The City must develop and maintain a map of the regulated MS4 area and associated regulated outfalls:
   a) **Requirement:** The City's GIS shall be reviewed and updated on a yearly basis, at a minimum.
   b) **Action Plan:** The Sanitary Sewer Maintenance Supervisor is responsible for maintaining the City's outfall mapping. This mapping will be updated as infrastructure projects are completed or additional outfalls are discovered in the field.

BMP 3.3: The City must develop and maintain a map of the entire storm sewer collection system:
   a) **Requirement:** The City's GIS shall be reviewed and updated on a yearly basis, at a minimum.
   b) **Action Plan:** The Sanitary Sewer Maintenance Supervisor is responsible for maintaining the City's storm sewer mapping. This mapping will be updated as infrastructure projects are completed or additional facilities are discovered in the field.

BMP 3.4: The City must conduct outfall field screenings:

1) **Every regulated outfall must be screened at least once during the permit coverage term.**
   a) **Requirement:** Areas where past problems have been reported (priority outfalls) shall be screened annually. The City's GIS is currently divided into inspection areas based on the watersheds.
   b) **Action Plan:** The City will utilize staff from their Sanitary Sewer Department to compete the required annual screenings. Screenings shall follow the Illicit Discharge Field Inspection Standard Operating Procedure and all procedures identified as part of BMP 3.1.

2) **Outfall Inspection Timing**
   a) **Requirement:** DEP recommends inspections occur during different times of the year.
   b) **Action Plan:** The City will perform inspections at different times of the year. Because of the large number of outfalls in the City's system and because the City Sanitary Sewer Staff must schedule these screenings with respect to all of their other responsibilities, the screenings naturally occur during different times of the year, over various seasons.

3) **Outfall Inspection Summary**
   a) **Requirement:** The results of outfall inspections shall be summarized in periodic reports.
   b) **Action Plan:** The Pretreatment Permit and Compliance Manager is responsible for completing IDDE Quarterly Summary Report to track inspections and log complaints related to illicit discharges. These reports are all included in the City's MS4 Annual Reports.

BMP 3.5: The City must enact a stormwater management ordinance to enforce a stormwater management program and prohibit non-stormwater discharges to the MS4.

1) **Strormwater Management Ordinance Adoption**
   a) **Requirement:** Permittee shall enact and implement an ordinance from a DEP approved Act 167 plan of 2005 or later. Documentation that the SWM Ordinance was updated shall be submitted to DEP.
   b) **Action Plan:** The City adopted an ordinance consistent with the York County Model Act 167 Ordinance on September 20, 2011. Article 942 of this ordinance address detection and illumination of illicit discharges. The City included a copy of the approved Act 167 Stormwater Management Ordinance in the 2012-2013 MS4 Annual Report. In the event this ordinance is amended or replaced, a copy of the new ordinance will be forwarded to DEP and included in the City's Annual Report.

BMP 3.6: Provide education to target audiences regarding illicit discharge detection and elimination.

1) **Illicit Discharge System**
   a) **Requirement:** A system to report and respond to complaints regarding illicit discharges shall be implemented. The City shall provide educational outreach on this system.
   b) **Action Plan:** The Pretreatment Permit and Compliance Manager is responsible for receiving, documenting, and routing all complaints to the proper agency or staff for corrective actions. The City utilizes a compliant flow chart which is attached to this plan.. Utilization of White Rose TV and the City website are effective means of notifying the public of this system.
2) **Illicit Discharge Education**
   a) **Requirement:** The City shall provide educational outreach on the program to detect and eliminate illicit discharges.
   b) **Action Plan:** Methods of reporting an illicit discharge are by telephone at (717) 812-1444 or by email at Stormwater@yorkcity.org. This contact information is provided under the Stormwater Management section of the City's Website and advertised on the local community television station, White Rose Community Television.

The City of York investigated twenty-five illicit discharge events in the City of York, two illicit discharge events outside the City limits, and eight events determined not to be illicit discharges. Therefore, a total of thirty-five events were investigated. Only the events determined to be illicit discharges within the City of York limits are summarized below. The most common pollutants were sediment and petroleum based products.

A discharge of paint used to mark the ice at a privately-run, publicly-owned ice skating rink was discovered by a City employee. The ice was scraped and placed out of doors where the melt-off entered a stormwater inlet. Staff conducted an inspection, met with the facility manager, and required submittal of a waste disposal plan to prevent future incidents. The pollutants were removed and disposed.

Fresh white paint was observed on a roadway. The City of York attempted to remove the paint, but with little success as it had dried on contact the previous day. The public delayed in notifying the City.

During a routine industrial visit, staff observed waste powder coating on macadam near dumpsters. There was evidence that rain water had washed some of the waste off-site. Staff entered the facility and spoke with two managers who were directed to immediately remediate. Staff educated the managers on stormwater and the MS4 program. A return site visit showed that the site had been cleaned of waste powder coating.

PADEP contacted the City of York regarding a vendor in Central Market disposing of wash water down a stormwater inlet. Staff attempted to contact the Market Master regarding use of the slop sink.

A leaking fuel oil tank discharged approximately 100-200 gallons of fuel oil: the substance spilled to the roadway and a stormwater inlet. A mitigation contractor was contacted. Absorbent sand was used to clean the oil. Soil was excavated to create a berm to stop further migration of the oil off-site. Most of the oil was contained in the inlet and was able to be removed. The property owner's insurance paid cleanup costs.

The City of York street sweeper had a hydraulic leak, which caused staining on roadways and at an inlet. The street sweeper was repaired.

A resident claimed motor oil was dumped down an inlet. The Highway Department responded and cleaned area inlets, but did not see any oil residue. It is possible that sand and soil in the inlet absorbed some of the oil, or a rain event washed the oil out.

An oily sheen with some foam was observed at an outfall. An oil boom was installed, the water sampled, and the system was back-tracked to find the source. No source was found.

Rainbow sheens were visible from an outfall. An absorbent boom was installed. Oil and grease samples were obtain at the outfall and at points up stream in the storm sewer system during the back-tracking investigation. The probable source was narrowed down to a geographic area. Staff inspected an industrial site that rests on three separate large parcels: these sites were eliminated as a source. The source was therefore, narrowed down to a smaller geographic area.

Staff reported an active construction site to the York County Conservation District (YCCD) for investigation regarding sediment leaving the site. YCCD inspected, and found the site compliant at the time of inspection.

A citizen complaint was received regarding an inlet grate covered with litter. The grate was cleaned of debris, and stormwater pollution door hangers were distributed to ten nearby properties.

A resident reported that a restaurant had dumped food grease/oil in an inlet. Staff investigated, and referred the matter to a property inspector: an order for immediate remediation was issued. Compliance was achieved.

A citizen observed an oily sheen in an outfall discharge. Staff investigated: a source was not found. The event could not be mitigated as the Codorus Creek was in a high-flow state.

During a routine construction site visit, the City Engineer observed sediment leaving the site. The contractor was directed to immediately install a rock construction entrance as shown on the E & S plan. Two weeks later the City Engineer observed that concrete washout and fill materials were beyond the limits of disturbance. The YCCD was contacted regarding the event.

Staff observed sediment leaving a small remodeling construction site, and contacted the Building Code Official for corrective action.

Sediment was observed in the roadway and sidewalk resulting from repairs to a water main break. The item was referred to the Highway Department for action.

Staff discovered a container with a paint-like substance along a curb line. Most of the substance was able to be removed as it was largely frozen.

A citizen called regarding an oily sheen at an outfall. Staff back-tracked as much as they were able due to snow cover, snowfall, and icy conditions. Due to the weather, no abatement was possible.

A resident contacting the City regarding a black-viscous material in the Avenues neighborhood: the material was discharged on multiple streets, mostly along the curb line. Staff investigated and found the source: a driveway sealant business. The Highway Department used sand absorbent material along the curb line and on roadway surfaces. Inlets were not properly protected. The Fire Department contacted the business owner regarding remediation.

Within a two week time period, an oily sheen was observed in an outfall discharge. The Fire Department placed absorbent booms in one event, and were unable to in the second event due to icy conditions. Through investigation staff have narrowed the source area to a 450' length of line.

A commercial truck developed a hydraulic leak, which was discharged to multiple streets in the Fireside neighborhood before the vehicle broke down. The Highway Department placed and then removed absorbent material the entire length of the spill (approximately 3,500 feet). The company was invoiced for removal remediation costs.

A citizen reported an oily sheen in an outfall discharge. Staff investigated and found no evidence of a sheen.

City of York, Pennsylvania
Municipal Separate Storm Sewer System (MS4)
Stormwater Management Program
(NPDES PAG133596)

MS4 – IDDE
STANDARD OPERATING PROCEDURE

Last revised: 3/14/2014

Prepared by
City of York, Pennsylvania
Department of Public Works

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Appendices

Appendix A: IDDE Forms

Abbreviations

BMP – Best Management Practice

IDDE – Illicit Discharge Detection and Elimination

MCM – Minimum Control Measure

MIPP – Municipal Industrial Pretreatment Program

MS4 – Municipal Separate Storm Sewer System

NPDES – National Pollution Discharge Elimination System

PADEP – Pennsylvania Department of Environmental Protection

SOP – Standard Operating Procedure

USEPA – United States Environmental Protection Agency

1 MCM 3 - Illicit Discharge Detection and Elimination

1.1 Record Keeping

1.1.1 Illicit Discharge Event Files

- Records are located in the following locations: MIPP Department MS4 filing cabinet; WWTP server at WWTP\MIPPLAB\MS4\MCMs\MCM3; and, the City of York GIS system.
- Illicit discharge events are filed by quarter. Each illicit discharge investigation includes the Illicit Discharge Determination Form with attached supplemental information (i.e., fire incident response form, maps, test results, field notes, emails, responses from other departments, etc.).

1.1.2 Illicit Discharge Database

- Illicit discharge events are entered into a database (WWTP\mipplab\MS4\MCMs\MCM3) on a quarterly basis. For each illicit discharge event, create a new event in the database. Since most data entry requirements are self-explanatory, only a few data entry items are discussed below:
  - ID is an automatic number that Access creates for each incident. If there were multiple call outs for something that was eventually found to be caused by one source, they are treated as separate incidents.
  - Materials Identified: select all materials that were identified, or for which there exists compelling evidence (i.e., dried paint at curb line).
  - Enforcement Activity: choose the highest level of enforcement activity that occurred for each incident.
  - Case Status: If the case is still being actively investigated and/or the discharge is still occurring, it is open. If the discharge has stopped and the case is no longer being investigated because it was resolved, it is closed. If the discharge is stopped and the case is no longer being investigated but it was not resolved, it is cold. If after multiple incidents the source is identified, then all related incidents are closed.

1.1.3 Illicit Discharge Quarterly Summary Report

- Complete the Illicit Discharge Quarterly Summary report located in WWTP\MIPPLA|MS4\MCMs\MCM3. Since most data entry requirements are self-explanatory, only a few data entry items are discussed below:
  - Section I 2b: 'maintenance crews' means stormwater system maintenance crews (i.e., Highway Department). 'Other agencies' means any other city, state, or federal department. 'Public' means any individual, business, or organization using the stormwater hotline or email, E911, etc. For the summaries make sure to include only events meeting the illicit discharge definition within the City of York municipal boundary.
  - Section II 2: Abatement means that an entity took action to mitigate or terminate the discharge. Discharges that lessened or stopped on their own are not counted as abated.

1.1.4 Mapping

- Outfall locations and attributes are entered in the City of York's GIS system. Map maintenance is ongoing. As stormwater features are discovered and removed, the GIS is updated.

1.1.5 Priority Outfalls

- Priority outfall information for each year is filed in the MIPP MS4 file.

- The up-to-date list for priority outfalls is located in WWTP\MIPPLAB\MS4\MCMs\MCM3\Field Screening\PriorityOutfall

1.1.6 Annual Outfall Inspections

- Annual inspection sheets are located in the MIPP MS4 file, which includes, map, outfall reports, any bench sheets for flowing outfalls, photographs, and photograph master.
- Files are located in WWTP\MIPPLAB\MS4\MCMs\MCM3 and the City of York GIS.

1.1.7 Retention of Records

- Records re required to be kept for a minimum of three years, and until at least one year after coverage under the general permit. It is recommended that records be kept for a minimum of five years (a rolling five year period): this time frame matches that used by USEPA for program audits.

1.2 Priority Areas

'Priority areas' are "...areas with a higher likelihood of illicit discharges, illicit connections or illegal dumping. They may include areas with older infrastructure, a concentration or high-risk activities, or past history of water pollution problems" (Permit Appendix A, MCM3, BMP1).

1.2.1 Procedure for Identifying Priority Areas

The City of York uses the following criteria for determining whether an outfall (and its drainage area) is considered 'high priority':

- Contains dry weather flow (permit Appendix A, MCM#3, BMP#4, measureable goal paragraph 2); or
- Excessive damage, sediment deposition, flow problems, and/or erosion that are chronic; or
- Evidence of illegal dumping (chronic); or
- History of public complaint; or
- Field screening shows pollutants attributable to illicit discharge and not natural sources (for example, fecal coliform from a sewage source, not a pond with waterfowl); or
- Illegal connection history.

Conversely, an outfall - and therefore its drainage area - is removed from the priority outfall list when:

- The outfall does not contain dry weather flow/dry weather flow is not continuous; or
- There is no chronic damage, deposition, flow issues, etc.; or
- Illegal dumping is not evident; or
- The outfall no longer has a relatively recent history of public complaint; or
- The pollutant source has been removed; or
- Field screening shows pollutants are non-existent or are due to natural causes; or
- An illegal discharge or connection was eliminated.

A list of priority outfalls is located in WWTP\MIPPLAB\MS4\MCMs\MCM3\Field Screening\PriorityOutfall. This list must be updated at least annually: in reality, it is constantly updated based on illicit discharge events, and the results of outfall screenings. Priority outfalls are:

- added to the list when they are discovered through the illicit discharge detection and elimination process (i.e., through public complaint, discovery by maintenance crews, inspections, etc.), and
- Removed from the list when issues are addressed by corrective action, or the criterion for which it was placed on the list is removed.

1.2.2 Priority Outfall Inspection Procedure

Priority outfall inspections must occur at least annually under permit. Retrieve the priority outfall list from WWTP\MIPPLAB\MS4\MCMs\MCM3. Field inspect each outfall using the outfall inspection report form and procedures, and the MS4 bench sheet for outfalls with flow. If illicit discharges are found, follow the illicit discharge procedure. Take photographs.

Update the priority outfall list based on findings. For example, an outfall may no longer have continuous flow and all tests indicate groundwater: this outfall could be removed from the list. Conversely, any annual outfall inspections occurring contemporaneously may have findings that indicate an outfall should be added to the list.

Where monitoring occurs (sampling), the following information shall be recorded (permit Part B.3). Completing the MS4 bench sheet and attaching any laboratory results with the outfall report form will meet this requirement.

- Date, exact place and time of sampling, measurements or observations
- Name(s) of individual(s) who performed the sampling, measurements or observations
- Date(s) when analyses were performed
- Names of the individuals who performed the analyses
- Analytical techniques or methods used
- Results of analyses

Create a priority outfall file for that permit year that contains photographs, outfall inspection reports, MS4 bench sheets, field notes, outfall check list, and the outfall list. Update the master priority outfall spreadsheet. Records are located in:

- MIPP Department MS4 filing cabinet
- WWTP server at WWTP\MIPPLAB\MS4\MCMs\MCM3\FieldScreening\PriorityOutfall

1.3 Annual Outfall Inspection Procedure

Outfall inspections must occur during 'dry weather' which is defined by permit as "... a continuous time internal without stormwater producing events that immediately follows an initial 48 hour period with no stormwater producing events."

Inspections should be conducted during varying seasonal and meteorological conditions. Because staff conduct inspections as time is available throughout the year, and not by schedule, this requirement is met.

The streams and basins in the City of York are as follows:

STREAM	BASIN
Hokes Mill	Hokes Mill Watershed
Tyler Run	Tyler Run Watershed
Willis Run	Willis Run Watershed
Lightners Run	Lightners Run Watershed
Poorhouse Run	Poorhouse Run Watershed
Unnamed Tributary to Mill Creek	Mill Creek Basin Watershed
Codorus Creek	Codorus Creek Mainstem

The schedule below allows all outfalls to be inspected at least once during the permit cycle. The schedule is subject to change as needs dictate.

Permit Year	Stream	Completion Date	
		Inspection 1	Inspection 2
2010-11	Hokes Mill	10/6/2011	10/11/2011
	Tyler Run	9/1/2011, 10/10/2011	10/11/2011
2011-12	Willis Run	5/13/2011 - 10/17/2011	10/17/2011 - 10/18/2011
	Lightners Run	7/21/2011	10/18/2011
2012-13	Poorhouse Run	9/13/2012	9/17/2012
	Unnamed Tributary to Mill Creek	9/13/2012	9/17/2012
2013-14	Codorus Creek Mainstem	8/16/2013-3/27/2014	[redacted]
2014-15	Hokes Mill		
	Tyler Run		
2015-16	Willis Run		
	Lightners Run		
2016-17	Poorhouse Run		
	Unnamed Tributary to Mill Creek		
2017-18	Codorus Creek Mainstem		

Note: The old permit required twice-per-year outfall inspections. The current permit requires once-per-year outfall inspections.

Complete an outfall inspection report for each outfall, and photograph the site.

If the outfall has flow, complete a MS4 outfall bench sheet. The following methodology is required by the permit:

- If screening reveals dry weather flow, the discharge from the outfall and the area around the outfall shall be inspected visually for
  - Color
  - Turbidity
  - Sheen
  - Floating or submerged solids
  - Adverse effects on plants or animals near the outfall
  - Odor
- If an outfall produces odor or if the visual inspection shows any indication that the discharge may contain pollutants, samples of the discharge shall be collected for field and/or lab testing to determine if the flow contains an illicit discharge.
  - Selection of parameters is at the discretion of the investigator and depends on circumstances, site, drainage area, and observations. Commonly tested parameters may include: pH, fecal coliform, and total and residual chlorine. Other parameters that may be useful include: total suspended solids, oil and grease, and color. (For example, if sheen is present, an oil and grease sample should be obtained.)
  - Field test kits may be used. However, if it is suspected that enforcement will be pursued, the sample must be admissible in court. For court admissible evidence, use approved sample preservation and collection techniques, 40 CFR Part 136 compliant analysis, and correct transport and chain of custody procedures.

Outfall sampling is performed by Municipal Industrial Pretreatment Program (MIPP) staff or the Sanitary Sewer Maintenance Supervisor who are trained in sampling protocol and methodology. The MS4 bench sheet and any laboratory analyses are attached to the outfall inspection form. Information may also be copied and attached to an illicit discharge determination form and the priority outfall inspection file depending upon findings.

If observation and/or test results indicate an illicit discharge, the illicit discharge investigation procedure is followed.

Note: If chlorine is present, and the discharge is cool, clear, colorless, and odorless with a circumneutral pH, contact The York Water Company for a suspected potable water line break: 717-845-3601 (General Information). Complete an illicit discharge investigation report and attach a copy of the bench sheet.

Records are located in:

- MIPP Department MS4 filing cabinet
- WWTP server at WWTP\MIPPLAB\MS4\MCMs\MCM

1.4 Procedures for Detecting and Eliminating Illicit Discharges

Detecting illicit discharges occurs primarily through three avenues: the annual outfall field inspections; annual priority outfall inspections; and illicit discharge event notification from the public, maintenance staff, etc. Annual outfall inspections and annual priority outfall inspections are discussed above

Illicit discharge notifications may be received by City of York staff through the following:

- City of York website
- email at stormwater@yorkcity.org
- By telephone to the stormwater number 717.812.1444
- Any City of York office that a resident may contact (i.e., Fire Department, Permits, Planning & Zoning)
- E911
- In person while staff are on duty.

It is important that the public be able to report illicit discharge events *via* as many avenues as possible. Further, stormwater staff conducting illicit discharge investigations or outfall inspections are not a replacement for emergency responders. City of York staff are directed to contact MIPP either after the event to submit documentation, or during an event for assistance and documentation. It is fully expected that the Fire and Police Departments will continue to respond to events caused be vehicular accidents, utility accidents, etc.

The Public complaints protocol is generally described by the following, and by the flow chart in Appendix A:

- Complaint is received through various means
- Complaint is routed to correct responder
- Complaint is routed to MIPP
  - If there is an erosion and sediment control issue, the complaint is routed to YCCD.
  - If the issue is an illegal discharge, MIPP staff (and/or Fire or Police) investigate and try to locate the source.
- The pollutant is mitigated at the site.

If the pollutant source is located, physical and/or educational means are used to eliminate the source. Staff may need to contact the City Solicitor, Zoning Officer and/or Fire Codes personnel for resolution. A variety of codes can be used to enforce an illicit discharge: the City of York will select the most appropriate tool to acquire compliance. For example, if a Health Code or Fire Code provides a stronger response within a shorter timeline for compliance, the action will be pursued under those codes and not the stormwater code).

In general, the procedure for eliminating illicit discharges involves any of the following actions, depending upon circumstances:

- Notification or observation of abnormal event
- Initial site visit and documentation
- Back-tracking to the identify the pollutant source
- Elimination of the pollutant source
- Involvement of appropriate City departments for remediation and/or enforcement.

At times, a pollutant will need to be back-tracked over a series of events before the source can be located. Some investigations may warrant inline video inspection, dye testing, smoke testing, and/or access to private property.

Where fecal coliform analysis or observation indicates contamination from a sewage source, backtracking, inline video inspections, dye testing, smoke testing, and/or access to private property will occur.

If access to private property is required, refer to the Stormwater Ordinance, Section 942.06.B. Document all actions.

1.5 Procedures for Prevention of Illicit Discharge

Prevention of illicit discharges may involve physical prevention measures and/or education. Example of physical prevention measures are modifying site characteristics to prevent impacts to the storm sewer system: this can include secondary containment for outdoor storage of flowable materials, disconnecting hard structures from the storm sewer system, redirecting flow away from potential pollutant sources, and erosion prevention, among others. Where of an illicit discharge source is found, the property owner or user is educated on the adverse effects of stormwater pollutants on the environment, the City of York and surrounding municipal MS4 permit, and the stormwater ordinance. Where a pollutant source is not found, the City of York has educational door hangers to alert area residents that a pollutant was found in their neighborhood.

Education requirements for staff and the public illicit discharges are covered under MCM1, MCM2, and MCM 6.

1.6 Goals

Actions under MCM3 are intended to decrease pollutant loadings to receiving waters. The measureable goals under MCM3 are:

- 100% annual inspection of priority outfalls
- 100% inspection of outfalls for each assigned year
- Abatement of 100% of incidents that can be abated
- Elimination of repeat illicit discharge events
- 100% disconnection of discovered cross connections
- Continuous maintenance of GIS stormwater mapping

- Continuous maintenance of stormwater ordinance compliant with permit requirements
- Maintenance of MCM3 documentation

Appendix A:
IDDE Forms

City of York, PA Field Screening
Outfall Investigation Program

Section 1: Background Data

Subwatershed:			Outfall ID:
Date:			Time (Military):
Investigators:			Form completed by:
Air Temperature (F):			
Rain Fall (in): Last 24 hrs:		Last 48 hrs:	Last 72 hrs:
Camera:			Photo Taken?
Land Use in Drainage: (Circle all that apply)			
Ultra-urban	Open Space	Residential	Industrial
suburban	Institutional	Commercial	Other
Location (narrative description):			

Section 2: Outfall Description

Location	Material		Shape		Dimensions (in)	Submerged
Closed Pipe	RCP	CMP	circular	single	Diameter/other:	in Water
	PVC	HDPE	eliptical	double		NO
	Steel		box	triple		Partially
	Other		other	other		Fully
						w/ Sediment
						NO
						Partially
						Fully
Open Drainange	Concrete		trapeziod	depth		
	Earthern		parabolic	top width		
	Rip-rap		other	bottom width		
	Other					
In-Stream	(applicable when collecting samples)					
Flow Present?	Yes		NO	*If NO, Skip to Section 5*		
Flow Description	Trickle		Moderate	Substantial		

Section 5: Physical Indicators for both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? Yes No *If NO, Skip to Section 6*

Indicator	Circle if Present	Description		Comments
Outfall Damage (Structural Condition)	Yes / No	Spalling, cracking or chipping Peeling Paint Corrosion Other		
Deposits/Stains	Yes / No	Oily Paint Sediments/grit	Flow line Other	
Vegetation Condition	Yes / No	None Normal	Excessive Growth Inhibited Growth	
Poor Pool Quality	Yes / No	Odor Suds Colors	Floatables Oily Sheen Other	
Pipe Benthic Growth	Yes / No	Brown Orange	Green Other	
Biological	Yes / No	Mosquito Larvae	Bacteria/Algae	

City of York, PA Field Screening
Outfall Investigation Program

Section 6: Overall Outfall Characterization - Potential for Illicit Discharge

Unlikely	Potential *two or more indicators*	Suspect *one or more indicators w/severity 3*	Obvious

Section 7: Data Collection

Sample for Laboratory?	Yes / No	*If Yes, attach copy of chain of custody.*	
If Yes, collected from:	Flow	Pool	
Intermittent Flow Trap Set?	Yes / No	If Yes, type: OBM	Caulk Dam

Section 8: Any Non-Illicit Discharge Concerns (eg., trash or needed infrastructure repairs)?

Section 3: Quantitative Characterization

Field Data for Flowing Outfalls				
Parameter		**Result**	**Unit**	**Equipment**
Flow Method 1	Volume		liter	bottle
	Time to fill		seconds	stop watch
	Flow Rate		l/s	stop watch
Flow Method 2	Flow Depth (d)		ft, in	tape measure
	Flow Width (w)		ft, in	tape measure
	Measured Length (l)		ft, in	tape measure
	Time of Travel (t)		seconds	stop watch
	Flow Rate*		cfs	= d x w x (l/t)
Water Temperature			F C	thermometer / probe
pH			pH units	probe / test strip
Chlorine, Total			mg/l	
Copper, Total			mg/l	
Phenol, Total			mg/l	
Detergents/surfacants			mg/l	

*convert inches to feet before calculating

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the Flow? Yes No *(if No, Skip to Section 5)*

Indicator	Present	Description		Relative Severity Index M (1-3)
Odor	Yes / No	none musty Sewage	rotten eggs sour milk other	1- Faint 2 - Easily Detected 3 - Noticible from a distance
Color	Yes / No	colorless red yellow brown	green grey other	1- faint color in sample bottle 2- clearly visible in bottle 3 - clearly visible in outfall
Turbidity	Yes / No	clear See Severity		1-slight cloudiness 2- cloudy 3- opaque
Floatables (not trash)	Yes / No	None Oily sheen	Sewage (TP, etc) Garbage	1 - few/slight; origin not obvious 2- Some; indications of origin 3 - Some; origin clear

City of York MS4 Program Dry Weather Testing

Sample Type: Grab Composite

Turbidity: Turbid Slightly Turbid Clear/Colorless

Color:_____ **Odor:**_____

Sheen/scum: _____

Comments: _____

Grab pH _____ **SU** **Temp** _____ **°C**

Field verified pH 4.0: _____ **Time:**_____

Sample ID: _____

Date: _____ **Time:** _____

Collected By:_____

Field Screening ID: _____

Location: _____

Watershed: _____

Weather:_____

Chain of Custody
WWTP Lab: Date: / / Time:
Independent Lab:
Delivered by: Date: / / Time:
Analysis Requested:

	Sample Vessel			
Test	Stream	Field Test	Plastic	Glass
Chlorine, T				
Copper, T				
Fecal Coliform				
pH				

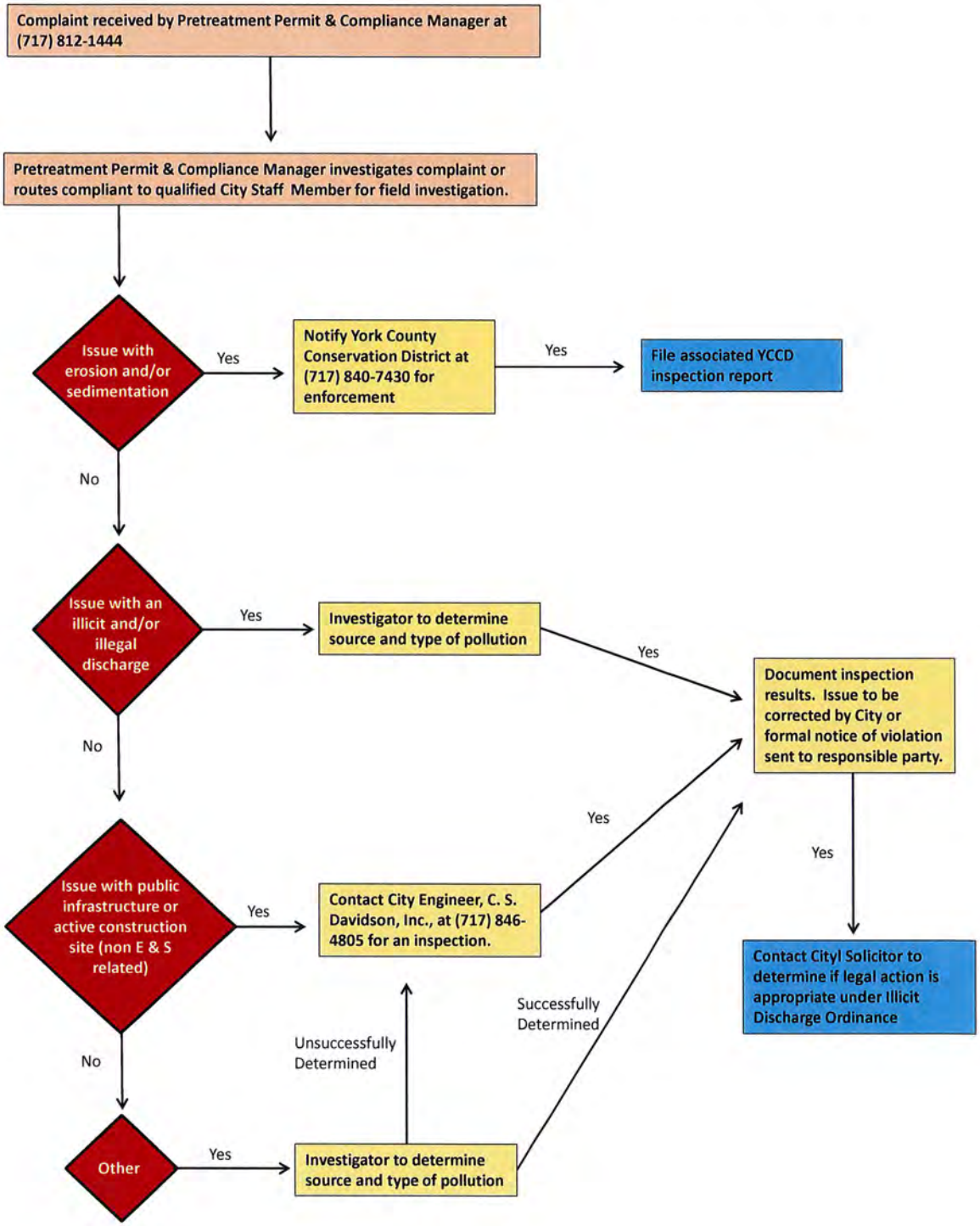
Parameters Requested	
Copper, Total	**Fecal Coliform**

Field Test Kit				
Chlorine, T	**Copper, T**		**pH**	**Phenols**

Copper	Digested Date Time
pH_____ SU	Analyzed Date Time
Fecal Coliform	Set Up: Date Time
	Read: Date Time
Blank	Sample Colonies/100ml:
	Sample Colonies/25ml:
pH	If Litnus Used, Reading:
	If MIPP Probe Used, Record Above
	If Pocket Pal Used:
	Buffer Reading Before:
	Adjustment Made?
	Buffer Reading After:
	Pocket Pal Reading:

Chlorine, T	Time Reagent Added:
	Time Reading Taken:
	Result:
Copper, free	Time Reagent Added:
	Time Reading Taken:
	Result:
Copper, total	Time Reagent Added:
	Time Reading Taken:
	Result:
Copper, complexed	total minus free =
Copper, reagent check	Standard:
	Time Reagent Added:
	Time Reading Taken:
	Result:

CITY OF YORK
PUBLIC COMPLAINTS PROTOCOL



Illicit Discharge Determination Form

1. Basic information:

Incident start: _____(time) _____(date) Incident end: _____(time) _____(date)

Incident Location/Address: _____

Weather during incident: _____

Time when the following observations were made: _____ Date:_____

2. Who reported the event to the City of York? (please "✓" all that apply):

- ❑ Field survey screening by maintenance crews
- ❑ Field survey screening by illicit discharge inspector
- ❑ Call from maintenance crew (not field survey screening)
- ❑ Public call, email, public report to police desk
- ❑ Other City employee
- ❑ 911/County Control
- ❑ YCCD (York Co Conservation District)
- ❑ Susquehanna Riverkeeper
- ❑ Other: _____

3. Material discharged: (please"✓"all that apply).

- ❑ Paint
- ❑ Concrete
- ❑ Construction debris
- ❑ Medical wastes
- ❑ Food wastes
- ❑ Industrial wastes (solvents, metals, corrosives, cooling tower blowdown, etc)
- ❑ Concrete cutting slurry/washwater
- ❑ Vehicle cleaning washwater
- ❑ Building/sidewalk washwater
- ❑ Other washwater
- ❑ Sewage
- ❑ Automotive fluids (antifreeze, used motor oil, fuels, etc)
- ❑ Unknown material
- ❑ Other:_____

4. Amount of material discharged (i.e., 55 gallons, 18 pounds, 2 super sacks):

_____(quantity) _____(units)

5. Describe the material in terms of odor, color, turbidity, viscosity, pH, etc.

_____

_____

_____

6. The material was discharged to:

- ❑ Sanitary sewer
- ❑ Storm sewer, swale
- ❑ Body of water (creek, pond)
- ❑ Curb, street
- ❑ Soil
- ❑ Other (describe): _____

Additional Notes (i.e., fish kill, covered fowl, abnormal aquatic behavior, etc.): _____

_____

7. Who responded to the event? (please "✓" all that apply):

❑ City Fire	❑ Parks and Recreation	❑ Other Municipal Fire/Police
❑ City Police	❑ DEP	❑ Permits, Planning & Zoning
❑ MIPP	❑ YCEMA	❑ York County Conservation District
❑ Sanitary Sewer Maintenance	❑ PEMA	❑ Other (please list):_____
❑ Highway Department	❑ Hazmat	_____

8. Describe the incident:

9. What actions were taken?

10. The source of the material was:

❑ Could not be identified	❑ Construction site
❑ Industrial	❑ Transportation/major auto accident
❑ Commercial	❑ Minor auto accident
❑ Residential	❑ Other (describe): _____

11. Which of the following best describes this event?

- ❑ This illicit discharge was abated (mitigated or terminated by action of responders).
- ❑ This illicit discharge is on-going and was previously reported. The ID number and date of previous discharge(s) are: _____
- ❑ Abatement not required.
- ❑ Not abated.

12. Which enforcement activities were conducted?

- ❑ Verbal Notice
- ❑ Warning Notice
- ❑ Administrative Action
- ❑ Administrative Action w/Penalty and/or Fine/Cost Recovery
- ❑ Legal Notice
- ❑ None

13. Were photographs taken?

❑ Yes ❑ No

If yes, location of digital files: _____

14. Were water samples taken?

❑ Yes ❑ No

If yes, Sample ID_____, and attach a copy of the chain of custody (and results when received).

15. Please provide additional information if known:

Watershed Name: _____ Outfall Number: _____

Additional Comments/Notes: _____

_____

_____

_____

16. Evaluator information:

Evaluator Name: _____ Title: _____

Phone Number: _____ E-mail: _____

Source In The City? ❑ Yes ❑ No ❑ Can not be determined

Affected The City? ❑ Yes ❑ No ❑ Not Applicable

Illicit Discharge? ❑ Yes ❑ No ❑ Can not be determined | Database Record #: _____

Data entered into illicit discharge database on: _____ (date) by _____ (initials)

Illicit Discharge Inspection Quarterly Summary Report

Municipality: City of York, PA Contact Name: James E Gross, Director of Public Works

Reporting Period: January – March April – June July – September October – December

Year: 2013

I. Field Activities

1. *Describe field surveys.*	Industrial Areas	Commercial Areas	Residential Areas	Other (describe)
Number of screening points				
Channel Miles				

2. *List how many discharges were identified by the following methods.* Include only discharges that could have been prevented by BMPs. Do not include fluid releases associated with minor traffic accidents.

a. During field surveys at defined screening points:
- _____ identified by maintenance crews
- _____ identified by illicit discharge inspectors

b. Calls from:
- _____ maintenance crews
- _____ other agencies
- _____ public

3. *List the number of times the following materials were identified.*
- _____ Paint
- _____ Concrete
- _____ Construction Debris
- _____ Medical Wastes
- _____ Food Wastes
- _____ Industrial Wastes (solvents, metals, corrosives, cooling tower blowdown, etc.)
- _____ Concrete Cutting Slurry/Washwaters
- _____ Vehicle Cleaning Washwaters
- _____ Building/Sidewalk Washwaters
- _____ Other Washwaters
- _____ Sewage
- _____ Automotive Fluids (antifreeze, used motor oil, fuels, etc.)
- _____ Other (describe): _____

II. Follow-up Activities

1. *Describe whether sources of discharges were identified.*
- _____ Number of sources that were identified
- _____ Number of incidents when source of discharge was not identified

2. *Describe whether discharges were abated.*
- _____ Number of discharge incidents that were abated.
- _____ Number of new discharge incidents where discharge is continuing, as of the end of the reporting period. (ATTACH INSPECTION REPORT)
- _____ Number of continuing discharges that have already been reported in previous quarter(s).

3. *Describe enforcement activities conducted.*
- _____ Verbal Notice
- _____ Administrative Action
- _____ Legal Action
- ___ Warning Notice
- ___ Administrative Action w/ Penalty/Cost Recovery

This form was modified from *Municipal Urban Runoff Program: A How-To Guide For Developing Urban Runoff Programs for Small Municipalities,* by the City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, and Central Coast Regional Water Quality Control Board, 1998, and slightly modified by the City of York, 2010.

CITY OF YORK, PA
IDDE PRIORITY OUTFALL ON-GOING TRACKING AND DOCUMENTATION LIST

STATUS	SUB-BASIN	OUTFALL ID	LOCATION DESCRIPTION	REASON FOR DESIGNATION	POTENTIAL POLLUTANT	NOTES	STATUS NOTES
NA	~~Codorus Creek~~	~~CC1~~	~~PRIVATE OUTFALL from Small's athletic field~~	~~NOT A PRIORITY OUTFALL~~	~~none~~	~~tested and inspected to establish flow is not an illicit discharge concern~~	~~PRIVATE: contains groundwater~~
active	Codorus Creek	CC48	245' N of W Philadelphia St bridge over the Codorus, on west bank	continuous flow, high visibility, history of public complaint	urban*	high visibility outfall and frequent fishing location that receives calls, rear of 221 W Philadelphia St.	
active	Codorus Creek	CC71	under W Market St bridge, NE corner	continuous flow	urban*	probable snow melt: check during warm weather to see if there is flow	added 2013-14 year due to new permit language
active	Codorus Creek	CC73	under W Market St bridge, SE corner	continuous	urban*	probable snow melt: check during warm weather to see if there is flow	added 2013-14 year due to new permit language
active	Codorus Creek	CC94	east bank at W Princess St bridge	continuous flow	urban*		added 2013-14 year due to new permit language
active	Codorus Creek	CC150B	just W of Grantley ST bridge, to rear of 550-570 W College Av	continuous flow	urban*	probable groundwater seep: check later in year for flow	added 2013-14 year due to new permit language
active	Hokes Mill	HM1	near Odeon Field at Codorus Creek	continuous flow	NA	only on list due to continuous flow	added in 2013-14 due to new permit language
NA	Lightners Run	NA	NA	NA	NA	no priority outfalls in sub-basin	NA
NA	Mill Creek	NA	NA	NA	NA	no priority outfalls in sub-basin	NA
active	Poorhouse Run	PHR2	main outfall where creek emerges from underground box culvert near City line	continuous flow, high visibility, size of drainage area	urban*	captures flow of entire sub-basin, much of flow is underground	
active	Poorhouse Run	PHR36	R bank, drains ball fields, S of Simpson Alley	continuous flow	NA	only on list due to continuous flow	added in 2013-14 due to new permit language.
active	Poorhouse Run	PHR38	R bank up from concrete wall in line-ish with Denver alley	continuous flow	NA	only on list due to continuous flow	added in 2013-14 due to new permit language.
active	Poorhouse Run	PHR50	rear of shopping plaza (behind the old Weis on Edgar Street)	continuous flow	NA	only on list due to continuous flow	added in 2013-14 due to new permit language.
removed from list	~~Tyler Run~~	~~TR1~~	~~Colonial Shopping Plaza~~	~~continuous flow~~	~~NA~~	~~only on list due to continuous flow~~	added in 2013-14 due to new permit "continuous flow" requirement . Field checked during priority outfall inspections and there was no flow. Removed from list 8/6/2013.
removed from list	~~Tyler Run~~	~~TR4~~	~~at Hersh Alley~~	~~flow?~~	~~NA~~	~~check to see if there is flow in 2013.~~	Field checked during priority outfall inspections and there was no flow. Removed from list 8/6/2013.
active	Tyler Run	TR7	under W Jackson St bridge, on E side	continuous flow	NA	only on list due to continuous flow	
removed from list	~~Willis Run~~	~~WR2~~	~~S side of bank at Roosevelt Av crossing~~	~~during initial field work there was some flow from street runoff~~	NA	~~Chlorine detected. York Water Co. notified: leak repaired. Ref: 10-17-2011 illicit discharge report.~~	Removed from priority list 12/31/2011: York Water Company repaired water line leak.
active	Willis Run	WR51	N bank on E side of N Beaver St crossing	continuous flow	NA	receives flow from pond and springs north of City boundary line.	Removed from list 11/2011: fecal coliform is from waterfowl, wildlife. Added back on list in 2013 due to new permit requirement regarding continuous flow.
active	Willis Run	WR54	rear of 516-520 N George St, on N bank	continuous flow	NA	receives flow from pond and springs north of City boundary line.	Removed from list 11/2011: fecal coliform is from waterfowl, wildlife. Added back onto list in 2013 due to new permit requirement regarding continuous flow.
active	Willis Run	WR71	SE corner of Bull Rd & Vogelsong Rd	heavy sediment build-up outside of outfall, swale bank erosion	sediment	receives discharge from township, road grit, incising. No flow after 48 hours.	

LAST UPDATED:3/30/2014

CITY OF YORK, PA
IDDE PRIORITY OUTFALL ON-GOING TRACKING AND DOCUMENTATION LIST

STATUS	SUB-BASIN	OUTFALL ID	LOCATION DESCRIPTION	REASON FOR DESIGNATION	POTENTIAL POLLUTANT	NOTES	STATUS NOTES
removed from list	~~Willis Run~~	~~WR76~~	~~Appleway Rd & Roosevelt Av (rear of 1040 Roosevelt Av)~~	~~historic sediment deposition, erosion, pooling, poor flow~~	~~sediment~~	~~evaluate after joint York City and West Manchester Township 2012 flow improvement project is complete.~~	Removed from list 7-17-2013. A 2012 joint stormwater improvement project to relieve localized flooding has totally changed hydraulics at outfall. No sediment source or deposition apparent. No flow.

* Where 'urban' refers to pollutants such as litter, substances from street runoff, automotive fluids, illegally dumped items, and similar pollutants.

All 'active' outfalls need to be inspected annually as per permit Appendix A, MCM#3, BMP#4, measureable goal paragraph 2.
Use this running list to generate the year's inspection sites by copying over the "active" outfalls to a new year tab.
UPDATE ANNUALLY by evaluating illicit discharge events and results of field outfall inspections (in reality an ongoing process).
Sources: Outfall inspections and illicit discharge determination sheets.

LAST UPDATED:3/30/2014

MCM 4 APPENDIX

1. MCM 4 Project Plan
2. MCM 4 Attachments
    a. York County Conservation District Memorandum of Understanding

City of York
2013 – 2014 MS4 Project Plan
MCM #4

MCM #4: The City checked Option MCM #4.A in Section E(4) – (5) of the NOI. Therefore, they are relying on DEP's statewide QLP for issuing NPDES Permits for Stormwater Discharges Associated with Construction Activates to satisfy all requirements under this Minimum Control Measure.

The City has executed a Memorandum of Understanding (MOU) with the York County Conservation District to define the roles and responsibilities involved with the program. The Conservation District performs regular inspections of all active construction sites located within the MS4 regulated area and forwards a copy of all inspection records and violation notices to the City. A record of all correspondence with the Conservation District is kept by the City to document the District's activities.

The City has a responsibility to ensure that adequate NPDES permitting and Erosion and Sedimentation Control Plans are in place, when applicable, prior to the issuance on a building permit. Additionally, upon request by the Conservation District, the City will suspend the issuance of any building permits until site deficiencies or violations are considered resolved by the District.

MEMORANDUM OF UNDERSTANDING (MOU)
Between the
YORK COUNTY CONSERVATION DISTRICT
and
CITY OF YORK

This Memorandum has been prepared jointly and agreed upon by each party for the following purposes:

- To serve as a joint commitment by the signatory parties to control accelerated erosion and to prevent sediment pollution to the waters of the Commonwealth which may result from earth disturbance activities conducted in the City of York.

- To serve as a joint commitment by the signatory parties to ensure Best Management Practices (BMPs) are implemented on the ground to protect, maintain, reclaim, and restore water quality and the existing and designated uses of waters of this Commonwealth located in the City of York for the benefit of the City's citizens and downstream water users.

- To serve as a basis for stating the role of each party in administering the Commonwealth of Pennsylvania's Title 25, Chapter 102 regulations and General (PAG-02) National Pollutant Discharge Elimination System (NPDES) permit for Stormwater Discharges from Construction Activities.

- To assist the City of York in meeting it's minimum control measures as required by federal PAG-13 permit for Stormwater Discharges from Small Separate Storm Sewer Systems (MS-4s). This MOU will serve to satisfy Minimum Control Measure #4 – Construction Site Runoff Control and will assist in satisfying Minimum Control Measure #5 – Post-Construction Stormwater Management in New Development and Redevelopment.

- To serve as a basis for stating the role of each party in administering the provisions of the City of York's Post-Construction Stormwater Management Ordinance # 936 and Subdivision and Land Development Ordinance # 1331.

I. In carrying out the intent of this memorandum, the York County Conservation District (District) will:

A. E&S Plan Reviews / NPDES Permit Processing

1) Invite the City of York's (City) engineer to all scheduled NPDES pre-application meetings. Attendance will be at the City engineer's discretion.

2) Complete a technical review of all E&S plans proposing 1 acre or more of earth disturbance and determine if an NPDES permit is required. Initial technical reviews will be completed within 50 calendar days of receiving a complete plan submission. Additional technical reviews will be completed within 30 calendar days of receiving a complete revised plan submission.

3) Complete a technical review of all E&S plans proposing 5,000 square feet to 0.99 acres of earth disturbance when required by City ordinance. The technical review will be completed within 50 calendar days of receiving a complete plan submission.

4) Conduct all technical E&S plan reviews in accordance with the District's delegation agreement with PA Department of Environmental Protection (DEP), current Chapter 102 regulations, and the most current PA DEP Erosion and Sediment Pollution Control Program Manual.

5) Provide the City with courtesy copies of all administrative and technical plan review deficiency letters, E&S plan approval letters, and copies of the stamped approved E&S plans and final PCSM plans. Deficiency letters will be forwarded via email to the City.

6) Provide the City with an adequate supply of the District's "*Guide to Developing an Effective Erosion and Sediment Control Plan for Single Lot Projects.*"

7) Maintain an E&S Control webpage on the District's website (www.yorkccd.org) with all current E&S plan review and NPDES applications, District services fee schedule, useful links, and other information to assist applicants and plan preparers in preparing quality E&S & PCSM plans.

8) Conduct periodic educational workshops regarding erosion and sediment control and post construction stormwater management and invite representatives of the City to attend.

9) Withhold issuance of a NPDES permit or major modification(s) to an existing NPDES permit until the City's 30-day comment period has expired In accordance with Acts 67, 68, & 127 which amended the Municipalities Planning Code.

10) Conduct an administrative review of all PCSM plans requiring a NPDES permit within 20 calendar days of receipt of the plans. Any obvious technical/conceptual deficiencies will be brought to the City engineer's attention.

11) Request and receive a PCSM plan consistency/approval letter signed by the City engineer for all NPDES permit applicants prior to issuing any general NPDES permits to ensure that the PCSM plan approved by the City is the same as the PCSM plan submitted for the NPDES permit issued by the District.

12) Notify the City of revisions to any PCSM plans submitted to the District after issuance of the NPDES permit.

B. Preconstruction Meetings, Complaint Investigations, & Site Inspections

1) Request that the developer and/or contractor invite the City engineer, codes enforcement officer, or other City representative to the preconstruction meeting for all NPDES-permitted sites. Email the City engineer and/or codes enforcement officer informing him/her of all scheduled pre-construction meetings.

2) Investigate all erosion and sediment control (E&S) and stormwater-related complaints within 10 calendar days of receipt. Conduct periodic E&S follow-up inspections until violations have been corrected.

3) Refer all storm-water related complaints to the City to determine compliance with the City's stormwater management ordinance and/or MS-4 permit. Refer any stormwater complaints regarding post construction stormwater management (PCSM) BMPs required by the NPDES permit to the Region DEP office and copy the City on any correspondence.

4) Refer all complaints involving waterway obstruction and encroachments (potential Chapter 105 violations) to DEP's Southcentral Region Office for resolution. (The District is *not* delegated to administer DEP's Chapter 105 program.)

5) Provide the City with a copy of all inspection reports and site meeting correspondence within 14 calendar days of the date of inspection or site meeting. Correspondence will be forwarded via email.

6) Provide the City with a copy of all NPDES copermittee/transferee acknowledgement letters.

7) Serve as a repository for all plans, complaints, inspection reports, correspondence, etc. that involve earth disturbance activities.

8) Conduct routine and follow-up compliance inspections of all NPDES-permitted sites striving to obtain voluntary compliance. Conduct at least one annual inspection of each NPDES-permitted site. Additional inspections will be conducted for priority sites as needed to ensure compliance with Chapter 102. Compliance will be based on conformance with the District-approved E&S plans and the minimum design criteria set forth by the most current PA DEP Erosion and Sediment Control Program Manual. Inspections will be documented on a DEP earth disturbance inspection report form

9) Focus on compliance with the E&S plans during inspections however the District will also document any obvious (visual) violations/deficiencies with implementation of the PCSM plans and will bring to the attention of the City and DEP Southcentral Region office.

10) Initiate enforcement action in accordance with District and PA DEP compliance assistance and enforcement guidelines for sites where voluntary compliance with Chapter 102 regulations cannot be obtained.

11) Contact the City engineer and/or codes enforcement officer to verify compliance with the PCSM plan prior to acknowledging any Notice of Terminations (NOT) for NPDES-permitted site.

12) Review the City's Stormwater Management or Subdivision and Land Development Ordinance, at the City's request, to determine consistency with current Chapter 102 regulations.

II. In carrying out the intent of this memorandum, City of York will:

1) Remind all citizens, builders, contractors, developers, and farmers that earth disturbance activities including clearing and grubbing of vegetation and construction of agricultural buildings, require implementation of erosion and sediment (E&S) control Best Management Practices (BMPs) and may require a written E&S plan. Refer them to the District for further guidance.

2) Provide the District's "*Guide to Developing an Effective Erosion and Sediment Control Plan for Single Lot Projects*", to building/grading permit applicants for projects proposing 5,000 square feet to 0.99 acres of earth disturbance. The guide is intended for low-hazard scattered single family residential lot construction and other small grading projects on non-NPDES permitted projects. It may not be used for commercial or industrial projects.

3) Withhold issuance of building and/or grading permit(s) for projects proposing 5,000 square feet to 0.99 acres of earth disturbance until the E&S plan has received District review and approval when such review and approval is required by City ordinance. Notify the applicant (at the earliest possible date) that the District has up to 50 calendar days to review the E&S plans.

4) Will notify building permit applicants of the requirement to have an E&S plan reviewed and approved by the District. A District-approved E&S plan will be a required item on the City's building permit application checklist.

5) Update the City's Stormwater Management Ordinance, Subdivision and Land Development Ordinance (or) adopt an E&S ordinance requiring District review and approval of **all** projects proposing 1 acre or more of earth disturbance (over the life of the project) so that the District can determine if an NPDES permit is required. Phased project(s) initially proposing less than 1 acre of earth disturbance but which is part or portion of a larger common plan of development which will disturb 1 or more acres may also require an NPDES permit.

6) Encourage applicants to meet with the District and City engineer at the earliest possible date to discuss preliminary concept plans thereby avoiding costly delays and revisions due to plan designs that may meet City requirements but fail to meet DEP requirements.

7) Notify the District within 10 calendar days of any PCSM plan revisions submitted to the City after the District has issued the NPDES permit.

8) Conduct an engineering review and approval of all PCSM plans required by a NPDES permit to ensure that DEP water quality requirements are met and require any revisions to the PCSM plans be resubmitted to the District.

9) Invite District to any scheduled preconstruction meetings and/or scheduled inspections especially prior to City adoption of the streets.

10) Will conduct during-construction and post-construction inspections to ensure compliance with implementation and long-term operation and maintenance of the PCSM BMPs in accordance with the PCSM plans.

11) Withhold:

- issuance of any building or other permit or final land development plan approval to persons proposing or conducting earth disturbance activities requiring a NPDES permit until the District has approved coverage under the general NPDES Permit for Stormwater Discharges Associated With Construction Activities (as required by Chapter 102.43).

- issuance of any building or other permit to any building permit applicant until the City has received a District copermittee acknowledgement letter from the building permit applicant (typically the builder) for any lot construction on NPDES-permitted sites (as required by Chapter 102.43). A District copermittee acknowledgement letter will be a required item on the City's building permit application checklist.

- the issuance of any grading, building, or other permits *upon District request*, when a responsible party continually fails to voluntarily comply with Chapter 102 regulations as documented on two or more DEP earth disturbance inspection report forms.

12) Forward all third party complaints to the District regarding earth disturbance activities causing sediment pollution to Waters of the Commonwealth or presenting a significant potential for sediment pollution. Inform the District of any earth disturbance projects that have commenced without receiving E&S plan and/or NPDES permit approval.

13) Take the lead on all stormwater complaints (that do not involve earth disturbance activities) and, where applicable, work with the District to bring resolution.

14) Voluntarily comply with Chapter 102/NPDES requirements for all City earth disturbance activities.

15) Provide the District with copies of all current E&S/PCSM/SALDO ordinances upon District request to ensure consistent application of requirements and avoid duplication of effort.

16) Provide enforcement support when the permittee(s) has failed to voluntarily comply with the approved PCSM plans.

III. This Memorandum of Understanding shall become effective immediately. It shall be reviewed periodically, as the need arises by either or both parties, and may be amended by mutual consent of both parties. This MOU may be terminated at any time, by either party, following a 30 day written notice to the other party.

FOR THE CITY OF YORK

A. Kim Bracey — 3/21/11

MAYOR — DATE

FOR THE YORK COUNTY CONSERVATION DISTRICT

Jack Rebuff — 4-7-11

CHAIRMAN, BOARD OF DIRECTORS — DATE

MCM 5 APPENDIX

1. MCM 5 Project Plan

2. BMP 5.4 Attachments

    a. City Engineer Weekly Construction Inspection Summary
    b. City Engineer Weekly Construction Inspection Reports*

3. BMP 5.6 Attachments

    a. City of York BMP Map
    b. City of York BMP Inventory
    c. BMP Inspections With All Related Correspondence

* Denotes Information is Located on Supplemental CD

York City
2013 – 2014 MS4 Project Plan
MCM #5

BMP 5.1 – BMP 5.3: NPDES Permits

1) **NPDES Permits**
   a) **Requirement:** The Municipality shall implement a written procedure to include:
      i) The use, selection, and inspection of all proposed BMPs.
      ii) A tracking system to record qualifying projects and their associated BMPs.
      iii) A system to ensure controls are installed that shall prevent or minimize water quality impacts.
   b) **Action Plan:** The City has selected to rely on DEP's statewide program for issuing NPDES Permits for stormwater discharges associated with construction activities to satisfy all requirements under BMPs #1 through #3. The City has executed a Memorandum of Understanding with the York County Conservation District to outline the roles and responsibilities shared by each group.

BMP 5.4: The Municipality shall enact, implement, and enforce an ordinance to address post construction stormwater runoff from new development and redevelopment projects.

1) **Stormwater Ordinance**
   a) **Requirement:** Documentation that the SWM Ordinance was updated shall be submitted to DEP. The municipality shall develop and implement a procedure for the review, approval/permitting, establishment of financial security and construction inspection for plans and permits requiring stormwater management facilities.
   b) **Action Plan:** The City adopted an ordinance consistent with the York County Model Act 167 Ordinance on September 20, 2011. The City Planning/Zoning Department and City Engineer are responsible for reviewing permit and land development applications for consistency with this ordinance.
      i) Subdivision and land development submittals are reviewed by the City Engineer for stormwater management compliance. The Engineer issues comments to the City Planner who presents the plan to the City Planning Commission and City Council for approval. It is the City Planner's responsibility to ensure all comments are addressed prior to final plan approval and permit issuance. The City Engineer recommends the establishment of financial security to City Council and provides construction inspection for plans requiring stormwater management facilities. It is the City Planner's responsibility to ensure that Operation and Maintenance Agreements and Stormwater As-Builts are recorded for all applicable projects.
      ii) Projects not requiring a land development submittal, which propose to install 1,000 ft^2 of impervious area or greater, require the submission of a stormwater management site plan. The City Engineer reviews these plans and issues comments to the City Planner. The City Planner ensures all comments are addressed prior to authorizing the issuing of a permit. It is the City Planner's responsibility to ensure that Operation and Maintenance Agreements and Stormwater As-Builts are recorded for all applicable projects.
      iii) Projects not requiring a land development submittal, which propose 999 ft^2 of impervious area or less are reviewed and approved internally by the Zoning Department through the City's Small Projects process.

BMP 5.5: The Municipality shall develop and implement measures to encourage and expand the use of Low Impact Development (LID) in new and redevelopment.

1) **LID Practices**
   a) **Requirement:** Enact ordinances consistent with LID practices and repeal conflicting sections of existing ordinances. Inventory and list all permitted LID practices in the BMP Inventory

b) **Action Plan:** The Municipality adopted an ordinance consistent with the York County Model Act 167 Stromwater Ordinance on September 20, 2011 which contains multiple requirements related to LID and the protection of natural features.
   i) Specifically, Section 937.01.H.3 requires developers: To the maximum extent practicable, incorporate the techniques for Low Impact Development Practices described in the Pennsylvania Stormwater Best Management Practices Manual (BMP Manual).
   ii) The Stormwater Management Ordinance also requires the protection of natural features such as floodplains, wetlands, wooded areas, and existing vegetation.
   iii) The City of York is already heavily built up with very few undeveloped parcels remaining. To aid with the large amount of untreated stromwater runoff, the City's ordinance only allows developers to take credit for 80% of existing impervious area when redeveloping a site. This will ultimately lead to an increase in pervious area and stromwater treatment as sites are redeveloped.

BMP 5.6: The Municipality shall ensure adequate operation and maintenance of all post-construction stormwater management BMPs

1) **Written Inspection Program**
   a) **Requirement:** A written inspection program shall be developed and implemented. The program shall consist of inspection schedule and methods with sanctions and penalties for non-compliance.
   b) **Action Plan:** The City began inventorying and inspecting BMPs during the 2011-2012 permit year. At that time, the City Engineer performed an inspection of all known BMPs and issued violation letters to those owners of facilities which required corrective action. The City worked with a majority of these property owners to correct these issues. During the 2012-2013 permit year, additional BMPs were added to the inventory as they were discovered in the field and were also inspected for compliance. The City continues to work with these owners through follow-up inspections to bring all BMPs installed within the City into compliance. Once the City has achieved compliance across all known BMPs which have been installed since 2003, the following inspection protocol will be followed:
      i) All PCSM BMPs will be inspected by City Staff at least once in a four year period. The BMP inspections will be divided into the same four inspection areas that the MCM 3 illicit discharge inspections are utilizing.
      ii) The field inspector utilizes a BMP inspection form to certify the inspection occurred and document any deficiencies observed at that time. Photos are also taken to include with these reports.
      iii) The City will notify each property owner than an inspection has occurred of their BMP. This letter shall include any deficiencies noted during the inspection and require the owner to remediate these issues within a given amount of time.
      iv) The City will perform a follow up inspection of all deficient BMPs upon notification from the owner that all items have been corrected. Steps ii through iv will be repeated until the BMP is deemed compliant.
      v) In the event a BMP owner does not comply with the City's request to correct noted deficiencies, the City Solicitor will be consulted to aid in enforcement action against this owner. The type of enforcement action may vary dependent upon the Solicitor's guidance.

vi) All records collected during the inspection process are reported to DEP through each annual report process and uploaded to the GIS system for tracking purposes.

2) **Inventory of PCSM BMPs**

a) **Requirement:** An inventory of all PCSM BMPs constructed after March 10, 2003 shall be developed and maintained. The inventory shall include:

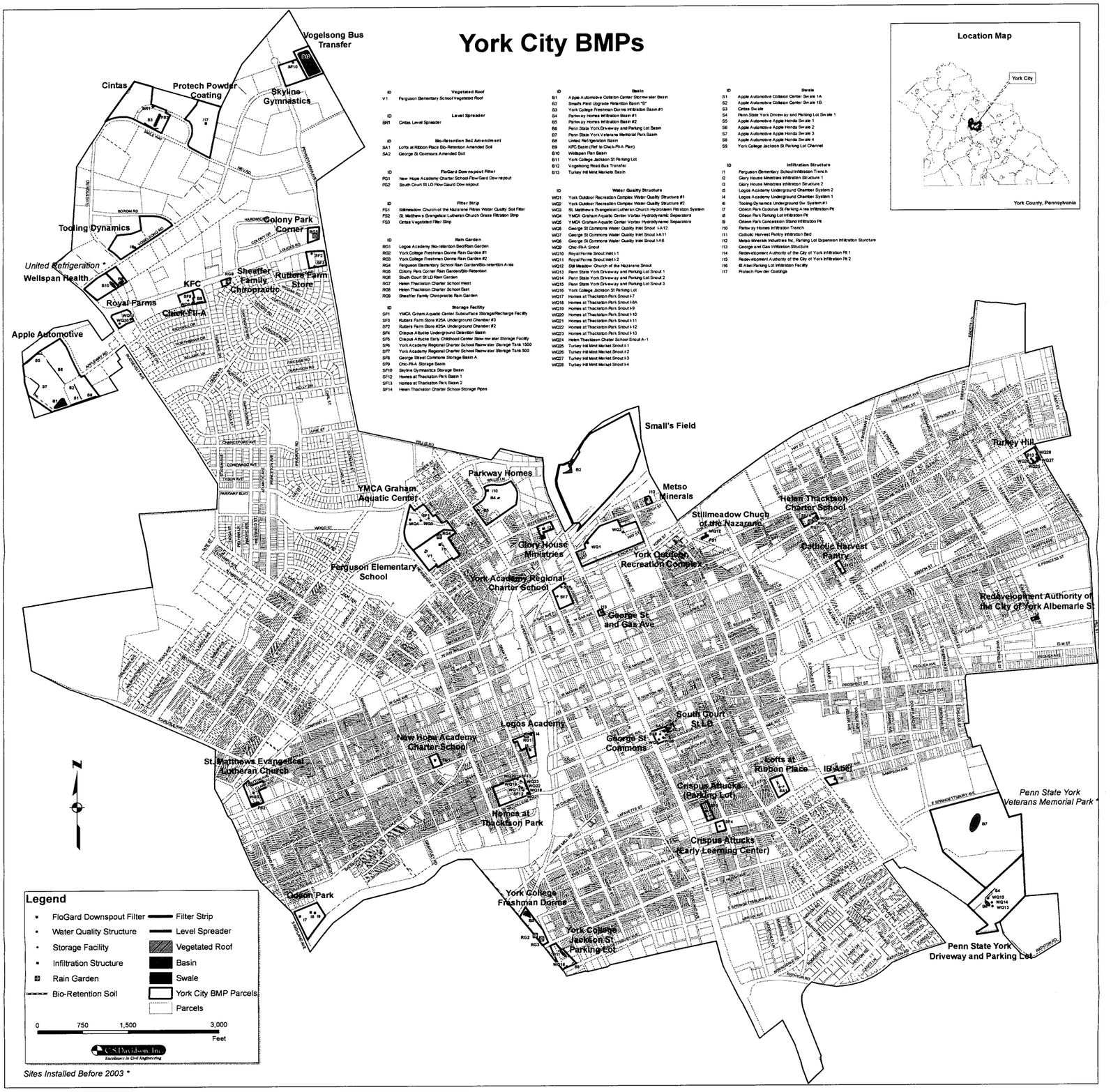
i) BMP location
ii) Owner's name and contact information
iii) Type of BMP and year it was installed
iv) Maintenance plan
v) Actual inspection/maintenance activities
vi) An assessment if BMP is being properly maintained
vii) Corrective actions, if applicable

b) **Action Plan:** The City utilizes a GIS based inventory system to track PCSM BMPs. Within this system, all inspection and compliance records are stored in addition to the above required information.

i) The City utilizes the release of public security for stormwater management BMPs as the trigger to add a BMP to the post construction inventory from the construction inventory. The release of security acts as the City's final approval of a BMP to certify that is was constructed per the approved plan. Any BMP for which the City has not yet released security for, is not considered complete and is not inspected as part of this minimum control measure.

SUMMARY TABLE OF C. S. DAVIDSON, INC. PUBLIC IMPROVEMENTS CONSTRUCTION INSPECTION
THE CITY OF YORK - MS4 REPORTING PERIOD MARCH 15, 2013 - MARCH 31, 204

Project Name	Project Location	Period Inspected	Number of Inspections	Number of Deficiencies	Percentage of Compliance
George Street Commons	231 South George Street	March 15, 2013 - March 31, 2014	46	8	82.6%
Chic-fil-A	922 Loucks Road	March 15, 2013 - August 1, 2014	10	2	80.0%
Homes at Thackston Park	31 South Broad Street	March 15, 2013 - September 2, 2013	42	1	97.6%
Helen Thackston Charter School	625 East Philadelphia Street	March 15, 2013 - August 16, 2013	34	0	100.0%
Wellspan Health	1401 Roosevelt Avenue	April 15, 2013 - January 30, 2014	26	3	88.5%
Saint Matthews Lutheran Church	839 West Market Street	May 20, 2013	1	0	100.0%
Habitat for Humanity - Albermarle	403 Albermarle Street	August 8, 2013 - October 24, 2013	4	0	100.0%
IB Abel Parking Lot	Edgar Street and East Boundary Road	September 23, 2013 - March 31, 2014	15	1	93.3%
Skyline Gymnastics	2185 Pennsylvania Avenue	October 10, 2013 - March 31, 2014	16	6	62.5%
York College - Northside Commons	401 West Jackson Street	October 10, 2013 - March 31, 2014	3	0	100.0%
York Academy Charter School	32 West North Street	October 16, 2013 - March 31, 2014	18	0	100.0%
Rabbit Transit Bus Stop	2130 Pennsylvania Avenue	October 24, 2013 - December 13, 2013	8	0	100.0%
		Overall Summary	**223**	**21**	**90.6%**


York City BMPs
Location Map
York City
York County, Pennsylvania
Vegetated Roof
ID
V1 Ferguson Elementary School Vegetated Roof
Level Spreader
ID
BR1 Cintas Level Spreader
Bio-Retention Soil Amendment
ID
SA1 Lofts at Ribbon Place Bio-Retention Amended Soil
SA2 George St Commons Amended Soil
FloGard Downspout Filter
ID
FG1 New Hope Academy Charter School Flow Gard Dow nspout
FG2 South Court St LD Flow Gaurd Dow nspout
Filter Strip
ID
FS1 Stillmeadow Church of the Nazarene Filtrex Water Quality Soil Filter
FS2 St. Matthew s Evangelical Lutheran Church Grass Filtration Strip
FS3 Cintas Vegetated Filter Strip
Rain Garden
ID
RG1 Logos Academy Bio-retention Bed/Rain Garden
RG2 York College Freshman Dorms Rain Garden #1
RG3 York College Freshman Dorms Rain Garden #2
RG4 Ferguson Elementary School Rain Garden/Bio-retention Area
RG5 Colony Park Corner Rain Garden/Bio-Retention
RG6 South Court St LD Rain Garden
RG7 Helen Thackston Charter School West
RG8 Helen Thackston Charter School East
RG9 Sheaffer Family Chiropractic Rain Garden
Storage Facility
ID
SF1 YMCA Graham Aquatic Center Subsurface Storage/Recharge Facility
SF3 Rutters Farm Store #25A Underground Chamber #3
SF2 Rutters Farm Store #25A Underground Chamber #2
SF4 Crispus Attucks Underground Detention Basin
SF5 Crispus Attucks Early Childhood Center Storm w ater Storage Facility
SF6 York Academy Regional Charter School Rainw ater Storage Tank 1500
SF7 York Academy Regional Charter School Rainw ater Storage Tank 500
SF8 George Street Commons Storage Basin A
SF9 Chic-Fil-A Storage Basin
SF10 Skyline Gymnastics Storage Basin
SF12 Homes at Thackston Park Basin 1
SF13 Homes at Thackston Park Basin 2
SF14 Helen Thackston Charter School Storage Pipes
Basin
ID
B1 Apple Automotive Collision Center Storm w ater Basin
B2 Small's Field Upgrade Retention Basin "D"
B3 York College Freshman Dorms Infiltration Basin #1
B4 Parkview Homes Infiltration Basin #1
B5 Parkview Homes Infiltration Basin #2
B6 Penn State York Driveway and Parking Lot Basin
B7 Penn State York Veterans Memorial Park Basin
B8 United Refrigeration Basin
B9 KFC Basin (Ref to Chick-Fil-A Plan)
B10 Wellspan Plan Basin
B11 York College Jackson St Parking Lot
B12 Vogelsong Road Bus Transfer
B13 Turkey Hill Mini Markets Basin
Water Quality Structure
ID
WQ1 York Outdoor Recreation Complex Water Quality Structure #1
WQ2 York Outdoor Recreation Complex Water Quality Structure #2
WQ3 St. Matthew s Evangelical Lutheran Church Hydroklean Filtration System
WQ4 YMCA Graham Aquatic Center Vortex Hydrodynamic Separators
WQ5 YMCA Graham Aquatic Center Vortex Hydrodynamic Separators
WQ6 George St Commons Water Quality Inlet Snout 1A12
WQ7 George St Commons Water Quality Inlet Snout 1A11
WQ8 George St Commons Water Quality Inlet Snout 1A6
WQ9 Chic-Fil-A Snout
WQ10 Royal Farms Snout Inlet I-1
WQ11 Royal Farms Snout Inlet I-2
WQ12 Stil Meadow Church of the Nazarene Snout
WQ13 Penn State York Driveway and Parking Lot Snout 1
WQ14 Penn State York Driveway and Parking Lot Snout 2
WQ15 Penn State York Driveway and Parking Lot Snout 3
WQ16 York College Jackson St Parking Lot
WQ17 Homes at Thackston Park Snout I-7
WQ18 Homes at Thackston Park Snout I-8A
WQ19 Homes at Thackston Park Snout I-9
WQ20 Homes at Thackston Park Snout I-10
WQ21 Homes at Thackston Park Snout I-11
WQ22 Homes at Thackston Park Snout I-12
WQ23 Homes at Thackston Park Snout I-13
WQ24 Helen Thackston Chater School Snout A-1
WQ25 Turkey Hill Mini Market Snout I-1
WQ26 Turkey Hill Mini Market Snout I-2
WQ27 Turkey Hill Mini Market Snout I-3
WQ28 Turkey Hill Mini Market Snout I-4
Swale
ID
S1 Apple Automotive Collision Center Swale 1A
S2 Apple Automotive Collision Center Swale 1B
S3 Cintas Swale
S4 Penn State York Driveway and Parking Lot Swale 1
S5 Apple Automotive Apple Honda Swale 1
S6 Apple Automotive Apple Honda Swale 2
S7 Apple Automotive Apple Honda Swale 3
S8 Apple Automotive Apple Honda Swale 4
S9 York College Jackson St Parking Lot Channel
Infiltration Structure
ID
I1 Ferguson Elementary School Infiltration Trench
I2 Glory House Ministries Infiltration Structure 1
I3 Glory House Ministries Infiltration Structure 2
I5 Logos Academy Underground Chamber System 2
I4 Logos Academy Underground Chamber System 1
I6 Tooling Dynamics Underground Sw System #1
I7 Citizen Park Cedonia St Parking Area Infiltration Pit
I8 Citizen Park Parking Lot Infiltration Pit
I9 Citizen Park Concession Stand Infiltration Pit
I10 Parkview Homes Infiltration Trench
I11 Catholic Harvest Pantry Infiltration Bed
I12 Metso Minerals Industries Inc. Parking Lot Expansion Infiltration Structure
I13 George and Gas Infiltration Structure
I14 Redevelopment Authority of the City of York Infiltration Pit 1
I15 Redevelopment Authority of the City of York Infiltration Pit 2
I16 El Abel Parking Lot Infiltration Facility
I17 Protech Pow der Coatings
Vogelsong Bus Transfer
Cintas
Protech Powder Coating
Skyline Gymnastics
Tooling Dynamics
Colony Park Corner
United Refrigeration *
Wellspan Health
KFC
Sheaffer Family Chiropractic
Rutters Farm Store
Royal Farms
Chick-Fil-A
Apple Automotive
Small's Field
Parkway Homes
YMCA Graham Aquatic Center
Metso Minerals
Turkey Hill
Stillmeadow Chuch of the Nazarene
Helen Thackston Charter School
Glory House Ministries
Catholic Harvest Pantry
York Outdoor Recreation Complex
Ferguson Elementary School
York Academy Regional Charter School
George St and Gas Ave
Redevelopment Authority of the City of York Albemarle St
Logos Academy
South Court St LD
New Hope Academy Charter School
George St Commons
St. Matthews Evangelical Lutheran Church
Lofts at Ribbon Place
EI Abel
Crispus Attucks (Parking Lot)
Homes at Thackston Park
Crispus Attucks (Early Learning Center)
Penn State York Veterans Memorial Park *
Citizen Park
York College Freshman Dorms
York College Jackson St Parking Lot
Penn State York Driveway and Parking Lot
N
Legend
FloGard Downspout Filter
Water Quality Structure
Storage Facility
Infiltration Structure
Rain Garden
Bio-Retention Soil
Filter Strip
Level Spreader
Vegetated Roof
Basin
Swale
York City BMP Parcels
Parcels
0 750 1,500 3,000
Feet
CS Davidson Inc.
Sites Installed Before 2003 *

Apple Automotive			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: LSC Design	0407.3.01.29	Inspection Date	Most Recent 2008
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	7/11/2013	
SW Management Basin	11.6	UNT to Willis Run		Apple		
				Project Location	BMP Effectiveness	
Swale 1, 1A, 1B, 2 - 4	3.4			1090 Marbrook Lane York, PA 17404	NON-COMPLIANT	
Apple Automotive Consist of Mulitple Plans: Apple Automotive 2008, Apple Honda 2003, Apple Collision Center 2003						

Cintas			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: First Capital Engineering	0407.3.03.19	Inspection Date	2007
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	7/26/2012	
Vegetated Filter Strip	1.26	Codorus Creek	Inspected quarterly and after all major storm events	Stewart Associates, Inc.		
Level Spreader	2.53		Inspected quarterly and after all major storm events	Project Location	BMP Effectiveness	
Swale	1.37		Inspected quarterly and after all major storm events	Smile Way, Industrial Pk York, PA 17404	In Compliance	

Small's Field Upgrades			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: Rettew Associates, Inc.	0407.3.19.25	Inspection Date	2005
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	7/11/2013	
Retention Basin "B"	5.99	Willis Run	Bi-weekly visual inspection	City of York School District		
				Project Location	BMP Effectiveness	
				25 E. Hamilton Avenue York, PA 17404	NON-COMPLIANT	

YMCA Graham Aquatic Center			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: Nu-Tec Design Associates, Inc.	0407.3.XX.XX	Inspection Date	2008
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	10/18/2011	
Subsurface Storage/Recharge Facility	5.62	Willis Run	Periodic inspections and inspections after all major storm events	Contractor		
Vortex Hydrodynamic Separators (2)			Inspection should occur at least twice a year structures shouls be cleaned if a spill or other incident causes a larger than normal accumulation of pollutants remove collected floating debris & hydrocarbons from surface cleaned before the sump is half full maintenance is best done with a vacuum truck	Project Location	BMP Effectiveness	
				542 N Newberry Street York, PA 17404	In Compliance	

Ferguson Elementary School			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: Rettew Associates, Inc.	0407.3.06.10	Inspection Date	2009
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	10/26/2011	
Rain Garden/Bio-retention Area	0.26	Willis Run	Semi-annual inspections	City of York School District		
Infiltration Trench for Groundwater Recharge	2.00		Annual inspections	Project Location	BMP Effectiveness	
Vegetated Roof	0.05		Semi-annual inspections	525 N Newberry Street York, PA 17404	In Compliance	

Glory House Ministries			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: Gordon L. Brown & Associates	0407.3.07.04	Inspection Date	2009
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	3/28/2012	
Infiltration Structure #1	0.16	Codorus Creek	Semi-annual inspections	Glory House Ministries		
				Project Location	BMP Effectiveness	
Infiltration Structure #2	0.09		Semi-annual inspections	40 Jefferson Avenue York, PA 17401	In Compliance	

Logos Academy			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: LSC Design	0407.3.12.08	Inspection Date	2009
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	2/6/2013	
Bio-retention Bed/Rain Garden	0.08	Codorus Creek	Inspections every 2 months	Logos Academy		
Underground Chamber System #1	0.16		Inspections every 2 months	Project Location	BMP Effectiveness	
Underground Chamber System #2	0.72		Inspections every 2 months	256 W King Street York, PA 17401	NON-COMPLIANT	

Rutters Farm Store #25A			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: LSC Design	0407.3.18.10	Inspection Date	2008
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	4/27/2012	
Underground Chamber System #2	0.59	UNT to Willis Run	Periodic Inspections	M&G Realty, Inc.		
Underground Chamber System #3	0.50		Periodic Inspections	Project Location	BMP Effectiveness	
				1520 Pennsylvania Ave York, PA 17401	In Compliance	

Tooling Dynamics			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: LSC Design	0407.3.20.10	Inspection Date	2010
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	4/10/2012	
Underground SW System #1	0.28	UNT to Codorus Creek	Annual Inspections and after any major rainfall event	Tooling Dynamics, Inc.		
				Project Location	BMP Effectiveness	
				905 Vogelsong Road York, PA 17404	In Compliance	

York College Freshman Dorms			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: LSC Design	0407.3.25.30	Inspection Date	2011
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	2/13/2013	
Infiltration Basin #1	2.31	UNT to Codorus Creek (Tyler Run)	Annual Inspections and after any major rainfall event	York College of Pennsylvania		
Rain Garden #1	1.90		Annual Inspections and after any major rainfall event	Project Location	BMP Effectiveness	
Rain Garden #2	2.69		Annual Inspections and after any major rainfall event	725 Grantley Road York, PA 17403	In Compliance	

Odeon Park			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: C.S. Davidson, Inc.	0407.8.76.00	Inspection Date	2009
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	10/19/2011	
Codorus St Parking Area Infiltration Pit		Codorus Creek	Annual Inspections and after any major rainfall event	City of York		
Parking Lot Infiltration Pit			Annual Inspections and after any major rainfall event	Project Location	BMP Effectiveness	
Concession Stand Infiltration Pit			Annual Inspections and after any major rainfall event	Richland Ave @ Codorus St.	In Compliance	

York Outdoor Recreation Complex			MUNICIPALITY: City of York ENGINEER: C.S. Davidson, Inc.	ENGINEER'S PROJECT # 4080.3.02.00	Most Recent Inspection Date 8/17/2012	Install Date 2006
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Water Quality Structure #1 (Between I-1 & I-2)		Codorus Creek	Annual Inspections and after any major rainfall event	York County Industrial Authority		
Water Quality Structure #2 (Between I-15 & SMH-4)			Annual Inspections and after any major rainfall event	Project Location 5 Brooks Robinson Way York, PA 17401	BMP Effectiveness In Compliance	

Parkway Homes			MUNICIPALITY: City of York ENGINEER: Ludgate Engineering Corporation	ENGINEER'S PROJECT # 0407.3.16.17	Most Recent Inspection Date 2/12/2013	Install Date 2011
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Infiltration Basin #1	0.24	Willis Run	Periodic Inspections and after any major rainfall event Ensure Vegitative Cover is maintained at all times. Keep area mowed and free of trash	The York Housing Authority		
Infiltration Basin #2	0.13		Periodic Inspections and after any major rainfall event Ensure Vegitative Cover is maintained at all times. Keep area mowed and free of trash	Project Location	BMP Effectiveness	
Infiltration Trench	0.52			350 E. Chestnut St. York, PA 17403	NON-COMPLIANT	

New Hope Academy Charter School			MUNICIPALITY: City of York ENGINEER: LSC Design	ENGINEER'S PROJECT # 0407.3.14.07	Most Recent Inspection Date 2/13/2013	Install Date 2011
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Flogard Downspout Filter (6)	0.3	UNT to Codorus Creek	Inspect prior to and just after the snow season and during the summer rain season. Filter medium shall be changed annually at a minimum.	I. Anderson Real Estate, LLC		
				Project Location 459 West King St. York, PA 17401	BMP Effectiveness NON-COMPLIANT	

Catholic Harvest Pantry			MUNICIPALITY: City of York ENGINEER: Johnston and Associates, inc	ENGINEER'S PROJECT # 0407.3.03.25	Most Recent Inspection Date 7/11/2013	Install Date 2012
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Infiltation Bed	0.02	UNT to Codorus Creek	Annual Inspections and after any major rainfall event	Catholic Harvest Pantry		
				Project Location 628 East Market Street York, PA 17401	BMP Effectiveness NON-COMPLIANT	

St. Matthews Evangelical Lutheran Church			MUNICIPALITY: City of York ENGINEER: RGS Associates	ENGINEER'S PROJECT # 0407.3.19.31	Most Recent Inspection Date 7/9/2013	Install Date 2010
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Grass Filtration Strip	0.88	Codorus Creek	Inspection twice a year in the Spring and Fall, and after any major rainfall event. More than 1 inch in 24 hours.	St. Matthew's Evangelical Lutheran Church		
				Project Location	BMP Effectiveness	
Hydrokleen Filtration System (Water Quality Insert)	0.56		Inspection Four times a year, and after any major rainfall event. More than 1 inch in 24 hours.	839 West Market St York, PA 17401	In Compliance	

Crispus Attucks South Court St			MUNICIPALITY: City of York ENGINEER: LSC Design	ENGINEER'S PROJECT # 0407.3.03.26	Most Recent Inspection Date	Install Date 2012
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	7/11/2013	
Underground Detention Basin	0.49	Poorhouse Run	Annual Inspections and after any major rainfall event	Crispus Attucks		
			Annual Inspections and after any major rainfall event	Project Location 605 South Duke St York, PA 17401	BMP Effectiveness In Compliance	

Penn State York Driveway and Parking Lot			MUNICIPALITY: City of York ENGINEER: NuTec Design	ENGINEER'S PROJECT # 0407.3.16.10	Most Recent Inspection Date	Install Date 2005
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	7/11/2013	
Stormwater Basin		UNT to Codorus Creek (Poorhouse Run)	Annual Inspections and after any major rainfall event	Penn State York		
Swale			Annual Inspections and after any major rainfall event	Project Location 1031 Edgecomb Avenue, York, PA 17403	BMP Effectiveness NON-COMPLIANT	
Snout (IB- 1, IB-4, IC-1)			Annual Inspections and after any major rainfall event			

Penn State York Veterans Memorial Park			MUNICIPALITY: City of York ENGINEER: Whitney, Bailey, Cox & Magnani, LLC	ENGINEER'S PROJECT # 0407.3.16.09a	Most Recent Inspection Date	Install Date 1995
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	7/11/2013	
Stormwater Basin		UNT to Codorus Creek (Poorhouse Run)	Annual Inspections and after any major rainfall event	City of York		
				Project Location 1031 Edgecomb Avenue, York, PA 17403	BMP Effectiveness In Compliance	

Metso Minerals Industries, Inc. Parking Lot Expansion			MUNICIPALITY: City of York ENGINEER: James R. Holley & Associates, Inc	ENGINEER'S PROJECT # 0407.3.13.08	Most Recent Inspection Date	Install Date 2005
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	2/12/2013	
Infiltration Structure		Codorus Creek	Annual Inspections and after any major rainfall event			
				Project Location	BMP Effectiveness NON-COMPLIANT	

Crispus Attucks Early Childhood Learning Center			MUNICIPALITY: City of York ENGINEER: LSC Design	ENGINEER'S PROJECT # 0407.3.03.20	Most Recent Inspection Date	Install Date 2007
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	2/12/2013	
Stormwater Storage Facility		Codorus Creek	Annual Inspections and after any major rainfall event			
				Project Location 605 South Duke St York, PA 17401	BMP Effectiveness In Compliance	

Royal Farms			MUNICIPALITY: City of York ENGINEER: RETTEW	ENGINEER'S PROJECT # 0407.3.18.14	Most Recent Inspection Date	Install Date 2012
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	7/11/2013	
Snout (Inlet I-1, I-2)	I-1 - .13, I-2 - .2	UNT to Willis Run	Annual Inspections and after any major rainfall event	Royal Farms		
				Project Location 1170 Loucks Rd, York, PA , PA 17401	BMP Effectiveness In Compliance	

United Refrigeration			MUNICIPALITY: City of York ENGINEER: Conewago Enterprises, Inc	ENGINEER'S PROJECT # 0407.3.21.01	Most Recent Inspection Date	Install Date 1995
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	7/10/2013	
Basin		UNT to Willis Run	Annual Inspections and after any major rainfall event	United Refigeration		
				Project Location	BMP Effectiveness	
				1030 Vogelsong Rd, York, PA 17401	In Compliance	

Colony Park Corner			MUNICIPALITY: City of York ENGINEER: First Capital Engineering	ENGINEER'S PROJECT # 0407.3.03.22	Most Recent Inspection Date	Install Date 2007
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization	7/10/2013	
Rain Garden		Willis Run	Annual Inspections and after any major rainfall event			
				Project Location	BMP Effectiveness	
				Loucks Rd & Pennsylvania Ave, York, PA 17401	NON-COMPLIANT	

George St and Gas Ave			MUNICIPALITY: City of York ENGINEER: C.S.Davidson Inc.	ENGINEER'S PROJECT # 0407.3.XX.XX	Most Recent Inspection Date	Install Date 2012
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Infiltration Trench	0.02	Codorus Creek	Annual Inspections and after any major rainfall event	City of York		
				Project Location	BMP Effectiveness	
				Corner of George St and Gas Ave York PA 17403	In Compliance	

Lofts at Ribbon Place			MUNICIPALITY: City of York ENGINEER: Murphy & Dittenhafer Architechts	ENGINEER'S PROJECT # 0407.3.12.10	Most Recent Inspection Date	Install Date 2012
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Water Quality Bio-Retention Amended Soil Parking Island		UNT to Codorus Creek (Poorhouse Run)	Annual Inspections and after any major rainfall event	York County Financial, LP		
				Project Location	BMP Effectiveness	
				239 E Boundary Ave York PA 17403	In Compliance	

Redevelopment Authority of the City of York Albemarle St			MUNICIPALITY: City of York ENGINEER: Site Design Concepts	ENGINEER'S PROJECT # 0407.3.01.33	Most Recent Inspection Date	Install Date 2013
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Seepage Bed 1	0.02	UNT to Codorus Creek (Poorhouse Run)	Annual Inspections and after any major rainfall event	Redevelopment Authority of the City of York		
				Project Location	BMP Effectiveness	
Seepage Bed 2	0.02			403 South Albemarle St York PA 17403		

York Academy Regional Charter School			MUNICIPALITY: City of York ENGINEER: LSC Designs	ENGINEER'S PROJECT # 0407.3.25.37	Most Recent Inspection Date	Install Date
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Storage Tank 1	0.28	Codorus Creek	Annual Inspections and after any major rainfall event	York Academy Regional Charter School		
				Project Location	BMP Effectiveness	
Storage Tank 2	0.2			32 West North Street York PA 17403		

George St Commons			MUNICIPALITY: City of York ENGINEER: RGS Associates	ENGINEER'S PROJECT # 0407.3.07.10	Most Recent Inspection Date	Install Date 2013
Structural BMP	**Drainage Area (Ac.)**	**Name of Receiving Water body**	**Inspection/Maintenance Frequency**	**Name of Responsible Person or Organization**		
Basin A	0.99	Codorus Creek	Inspection Twice a Year in the Spring and Fall, and after every major rainfall event.	Homeowners Association		
				Project Location	**BMP Effectiveness**	
Soil Amendment	0.24		Inspection Twice a Year in the Spring and Fall, and after every major rainfall event.	Intersection of E College and S George St		
Snout I-A12, Snout I-A11, Snout I-A6	I-A12 -0.1, I-A11 - 0.14, I-A6 - 0.24		Inspection Twice a Year in the Spring and Fall, and after every major rainfall event.			

Wellspan Health (formerly Damon's)			MUNICIPALITY: City of York ENGINEER: LSC Design	ENGINEER'S PROJECT # 0407.3.23.14	Most Recent Inspection Date	Install Date 2013
Structural BMP	**Drainage Area (Ac.)**	**Name of Receiving Water body**	**Inspection/Maintenance Frequency**	**Name of Responsible Person or Organization**		
Basin		UNT to Willis Run	Annual Inspections and after any major rainfall event 1 inch or greater over a 24 hour period	Wellspan Health		**O& M Agreement**
				Project Location	**BMP Effectiveness**	
				1401 Roosevelt Ave York Pa		Yes

Chick-Fil-A			MUNICIPALITY: City of York ENGINEER: KZA Engineering	ENGINEER'S PROJECT # 0407.3.03.27	Most Recent Inspection Date	Install Date 2013
Structural BMP	**Drainage Area (Ac.)**	**Name of Receiving Water body**	**Inspection/Maintenance Frequency**	**Name of Responsible Person or Organization**		
Storage Basin	0.108	Willis Run	Annual Inspections and after any major rainfall event	Chick-Fil-A		
				Project Location	**BMP Effectiveness**	
Snout	1.303		Annual Inspections and after any major rainfall event	1401 Roosevelt Ave York Pa		

KFC (Grading Refer to Chick-Fil-A)			MUNICIPALITY: City of York ENGINEER:	ENGINEER'S PROJECT # 0407.3.03.27	Most Recent Inspection Date	Install Date
Structural BMP	**Drainage Area (Ac.)**	**Name of Receiving Water body**	**Inspection/Maintenance Frequency**	**Name of Responsible Person or Organization**		
Basin		Willis Run	Annual Inspections and after any major rainfall event			
				Project Location	**BMP Effectiveness**	
				Intersection of Loucks Rd and Fairlane Dr		

IB Abel			MUNICIPALITY: City of York ENGINEER: LSC Designs	ENGINEER'S PROJECT # 0407.3.01.34	Most Recent Inspection Date	Install Date
Structural BMP	**Drainage Area (Ac.)**	**Name of Receiving Water body**	**Inspection/Maintenance Frequency**	**Name of Responsible Person or Organization**		
Infiltration Facility	0.33	UNT to Codorus Creek (Poorhouse Run)	Annual Inspections and after any major rainfall event	IB Abel		
				Project Location	**BMP Effectiveness**	
				Intersection of E Boundary and S Edgar St		

Skyline Gymnastics			MUNICIPALITY: City of York ENGINEER: Site Design Concepts	ENGINEER'S PROJECT # 0407.3.19.35	Most Recent Inspection Date	Install Date
Structural BMP	**Drainage Area (Ac.)**	**Name of Receiving Water body**	**Inspection/Maintenance Frequency**	**Name of Responsible Person or Organization**		
Storage Facility	0.122	Willis Run	Inspection Twice a Yaer and After Storm Events Exceeding 1 inch of Rainfall. The subsurgace detention facility inlet/outlet structures, cleanouts and area draining to BMPs.	Skyline Gymnastics		
				Project Location	**BMP Effectiveness**	
				2185 Pennsylvania Ave York Pa		

South Court St LD			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: Site Design Concepts	0407.3.03.28	Inspection Date	
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Rain Garden	0.04	Codorus Creek	Inspection Twice a Year in the Spring and Fall, and after every major rainfall event.	Darrah Realty LP		O& M Agreement
FloGard Downspout Filter			Inspection Three times a Year, and after every major rainfall event. Change of filter Every year.	Project Location: 229, 231, 237 & 241 South Court St	BMP Effectiveness	Yes

York College Jackson St Parking Lot			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: LSC Design	0407.3.25.35	Inspection Date	2013
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Basin	2.98	UNT to Codorus Creek (Tyler Run)	Inspection should take place quaterly, and after every major rainfall event. Inpsections by a qualified inspector should take place annualy	York College of PA		
Water Quality Inlet	0.67		Inspection should take place quaterly, and after every major rainfall event. Inpsections by a qualified inspector should take place annualy	Project Location: Intersection of Jackson St and N Campus Dr	BMP Effectiveness	
Channel 1	0.67		Inspection should take place quaterly, and after every major rainfall event. Inpsections by a qualified inspector should take place annualy			

Homes at Thacktson Park			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: First Capital Engineering	0407.3.20.12	Inspection Date	2013
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Storage Facility 1, 2	1 - 3.26 2 - 1.54	Codorus Creek	Inspection Twice a Year, and after every major rainfall event 3 inches in 24 hours, whichever occurs first.	City of York Housing Authority		
Snout I-7, I-8A, I-9, I-10, I-11, I-12, I-13	I-7 - .58 I-8A - .21 I-9 - .57 I-10 - .97 I-11 - .1 I-12 - .09 I-13 - .13		Inspection Twice a Year, and after every major rainfall event 3 inches in 24 hours, whichever occurs first.	Project Location: Intersection of Newberry St and W College Ave	BMP Effectiveness	

Helen Thacktson Charter School Building Addition			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: Site Design Concepts	0407.3.08.18	Inspection Date	2013
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Rain Garden 1, 2	1 - .04, 2 - .05	UNT to Codorus Creek (Poorhouse Run)	Inspection shall occur at least once every Four (4) months, and after every major rainfall event.	CSP - York LLC		
Storage Pipes	0.27		Inspection shall occur at least once every Four (4) months, and after every major rainfall event.	Project Location: 625 East Philadelphia Street York PA	BMP Effectiveness	
Snout	0.269		Inspection shall occur at least once every Four (4) months, and after every major rainfall event.			

Protech Powder Coatings			MUNICIPALITY: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
			ENGINEER: Protech Powder Coatings	0407.3.16.19	Inspection Date	2013
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Infiltration Trench	0.02	Willis Run	Inspection shall occur at least Four (4) times a year, and after every major rainfall event.			
				Project Location: 939 Monocacy Road York PA	BMP Effectiveness	

Vogelsong Road Bus Transfer			MUNICIPALITY: City of York ENGINEER: City of York	ENGINEER'S PROJECT #	Most Recent	Install Date
				0407.3.22.02	Inspection Date	
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Basin	76.17	Willis Run	Annual Inspections and after any major rainfall event			
				Project Location	BMP Effectiveness	
				Intersection of Vogelsong Rd and Pennsylvania Ave		

Turkey Hill Minit Market			MUNICIPALITY: City of York ENGINEER: Light Heigel and Associates, Inc	ENGINEER'S PROJECT #	Most Recent	Install Date
				0407.3.20.08	Inspection Date	2004
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Basin	0.075	UNT to Codorus Creek (Poorhouse Run)	Annual Inspections and after any major rainfall event	Turkey Hill		
				Project Location	BMP Effectiveness	
Snout I-1, I-2, I-3, I-4	I-1 - .26 I-2 - .13 I-3 - .63 I-4 - .062		Annual Inspections and after any major rainfall event	1242 East Market St York PA		

Scheaffer Family Chiropractic			MUNICIPALITY: City of York ENGINEER: Johnston and Associates, Inc	ENGINEER'S PROJECT #	Most Recent	Install Date
				0407.3.19.37	Inspection Date	
Structural BMP	Drainage Area (Ac.)	Name of Receiving Water body	Inspection/Maintenance Frequency	Name of Responsible Person or Organization		
Rain Garden	0.525	Willis Run	Biannual Inspections	Scheaffer Family Chiropractic		
				Project Location	BMP Effectiveness	
				804 Loucks Rd		

The City of York
Pennsylvania

*101 S George Street * P.O. Box 509 * York PA 17405*

www.yorkcity.org

Honorable C. Kim Bracey, Mayor

James E Gross
Director
Department of Public Works

March 20, 2013

Mr. Kevin Bevenour
Penn State York
1031 Edgecomb Avenue
JJ Romano Building
York, PA 17403

RE: Penn State York Driveway and Parking Lot
Stormwater Management Facility Required Corrective Actions

Dear Mr. Bevenour:

The City of York's designated engineer, C.S. Davidson, Inc., conducted an inspection of your stormwater management (SWM) facility on February 13, 2013, as required by §943.04 of the City of York Code. The inspection was conducted to determine if your SWM facilities are in compliance with operation and maintenance requirements.

Based on inspection findings, the following corrective actions are required to be completed by **May 20, 2013**:

1. Remove vegetation, sediment, and debris from the rip-rap rock aprons at both inflow pipes to the basin (Photo No. 1). Once vegetation, sediment, and debris are removed, you must ensure that the rock aprons are installed per the original design plans. In the event the aprons are damaged or eroded, they must be replaced.
2. Leaves and vegetation shall be removed from the outlet structure (Photo No. 2).

The specific locations of the features described above are highlighted on the enclosed site plan. The February 13, 2013 inspection form is enclosed for your records.

Maintenance of SWM facilities is required under Article 940 of the City of York Code. Failure to comply may result in civil enforcement action as permitted under §943 of the City of York Code, which may include a monetary penalty.

After the above corrective actions are complete, contact Mr. Derek Rinaldo, E.I.T., C.S. Davidson, Inc., at (717) 846-4805, to schedule a follow-up inspection or email at djr@csdavidson.com. Please do not hesitate to contact Mr. Rinaldo should you have any questions concerning the required corrective actions.

Sincerely,

James E. Gross
Director of Public Works

JEG:cdm

Enclosures: February 12, 2013 Inspection Form
Penn State York Driveway and Parking Lot

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Site: Penn State York Driveway and Parking Lot
BMP: Stormwater Basin; Swale; Snout IB-1, IB-4, IC-1)
Date: 2/12/2013
Inspector: Steve H. Lehman

Earthen Components	Structural Components	On-going Maintenance Issues
☐ Downslope Berm Condition	☐ Outlet Structure	☐ Accumulation of Sediment
☐ Inside Berm Condition	☐ Pipe	☐ Trash
☐ Settlement	☐ Outlet Structure	☐ Specific Maintenance to Structural (See Attached)
☐ Vegetation	☐ Cleanouts	
☐ Bottom of Basin		

Comments:
Weather: Mostly Cloudy, 44°
The basin berms and banks are well established with grass. The rock aprons, at the endwalls on both
ends of the basin, are not visible due to sediment and debris. The outlet structure surrounding area needs
to be cleaned up by removing leaves and a viney bush/plant that is interfering with the grate inflow
capacity, specifically in the spring and summer when it is in full bloom.
All swales are well established and stabilized with grass.

Action Items (Determined From Inspection Notes):		
Remove vegatation and debris from rock aprons at both ends of basin (Photo No. 1).	Completion Date:	Initials:
Repair the rock aprons according to the design plans (Photo No. 1).	Completion Date:	Initials:
Leaves and Vegetation shall be removed from the outlet structure (Photo No. 2).	Completion Date:	Initials:
	Completion Date:	Initials:

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Photo Log:

Photo No. 1:

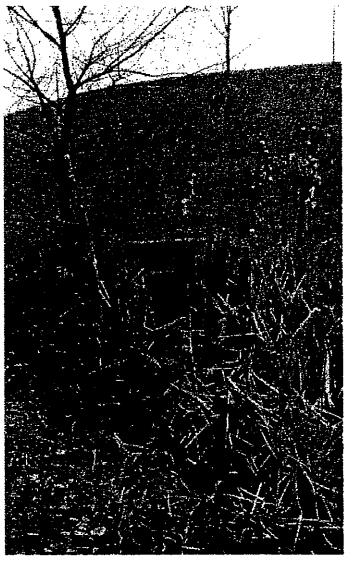


Photo No. 2:

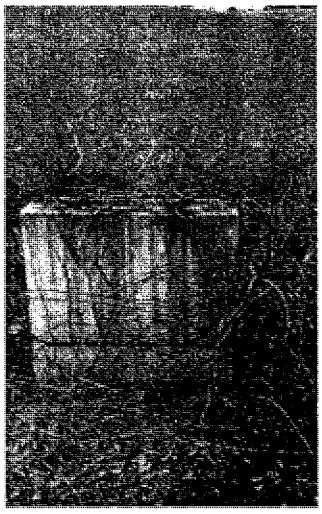


Photo No. 3:

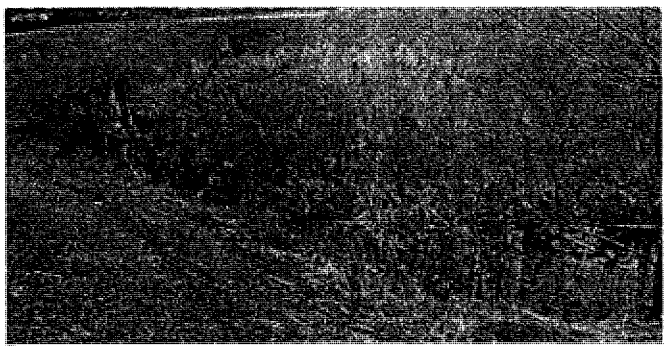
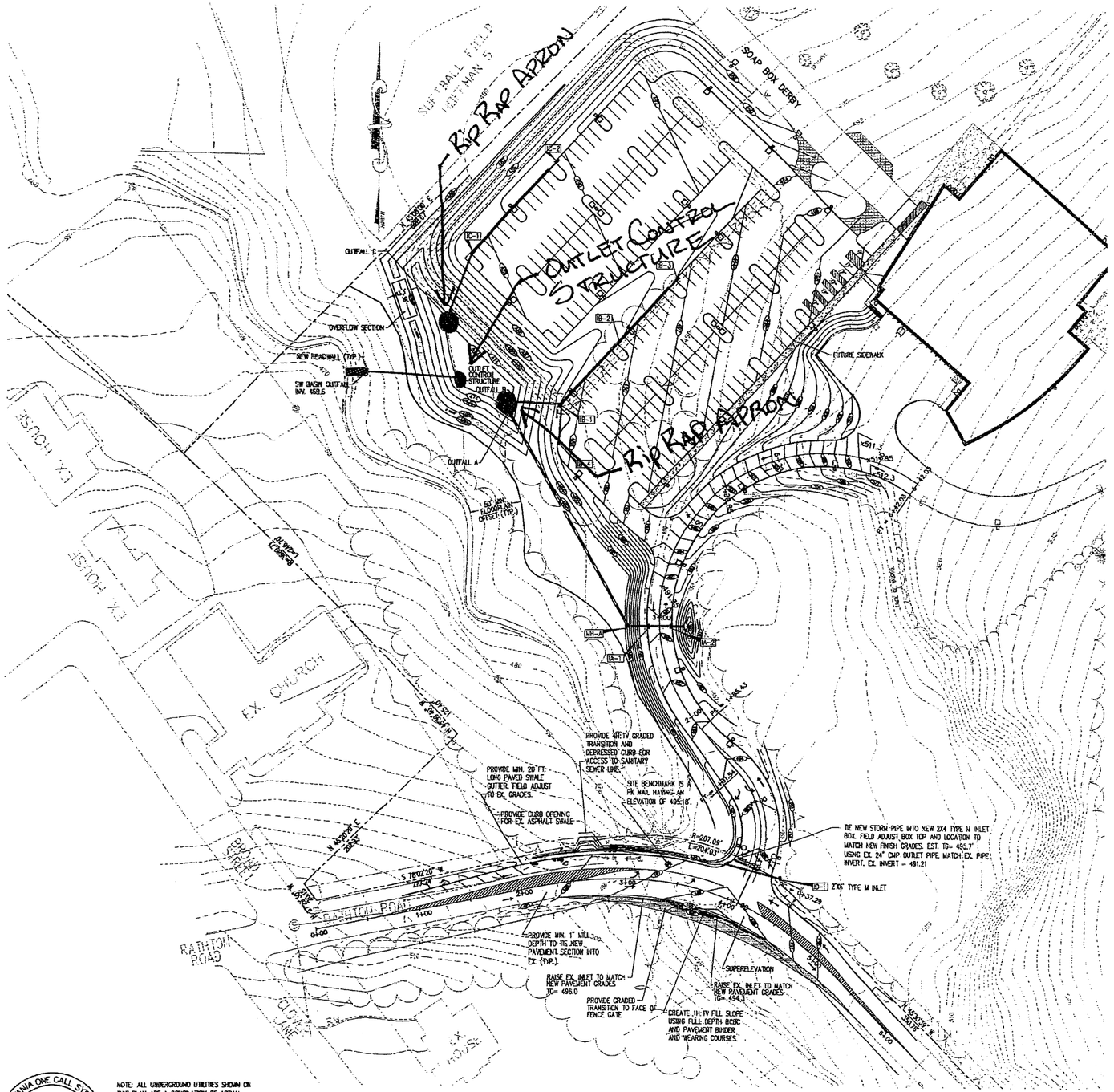


Photo Comments:

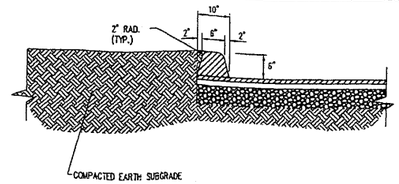


NOTE: ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE A COMPILATION OF ACTUAL FIELD SURVEYS AND DATA FURNISHED BY THE OWNER. NUTEC DESIGN ASSOCIATES, INC. ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF ANY UNDERGROUND UTILITY AS SHOWN ON THIS DRAWING. THE CONTRACTOR SHOULD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. FOR INFORMATION CONCERNING UNDERGROUND UTILITIES CALL 1-800-242-1776.

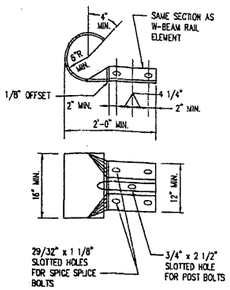
ONE CALL SERIAL NO. - 0838835 (SPRING GARDEN TWP)
0838836 (CITY OF YORK)

PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776 STOP - CALL BEFORE YOU DIG!

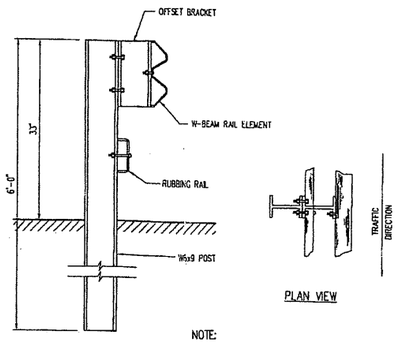
NOTES: ALL STORMWATER COLLECTION INLETS ARE PENN DOT 2X4 TYPE C UNLESS OTHERWISE NOTED.



ROLLED BITUMINOUS CURB
NO SCALE

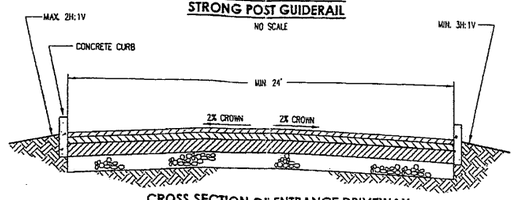


TERMINAL END FOR GUIDERAIL
NO SCALE



NOTE:
CONSTRUCT GUIDE RAIL AS PER PADOT RC-52 DESIGN SPECIFICATIONS.

STANDARD PADOT TYPE 2 STRONG POST GUIDERAIL
NO SCALE



CROSS SECTION OF ENTRANCE DRIVEWAY
NO SCALE

LEGEND

EX. GUY WIRE	EX. GAS VALVE
EX. UTILITY POLE	EX. CLEANOUT
EX. LIGHT STANDARD	EX. DOWN SPOUT
EX. SIGN	EX. AIR CONDITIONING UNIT
EX. BUSH	EX. ELECTRIC TRANSFORMER
EX. TREE	EX. TELEPHONE PEDESTAL
EX. PINE	EX. WATER VALVE
RIGHT-OF-WAY LINE	EX. FIRE HYDRANT
PROPERTY LINE	EX. WATER MANHOLE
EX. CONTOUR LINE	EX. SANITARY SEWER MANHOLE
EX. SPOT ELEVATION	EX. STORM WATER INLET
TRAVERSE POINT	EX. OVERHEAD ELECTRIC
PROPERTY CORNER	EX. UNDERGROUND ELECTRIC
BENCHMARK	EX. OVERHEAD TELEPHONE
EXISTING CONTOUR	EX. UNDERGROUND TELEPHONE
PROPOSED CONTOUR	EX. UNDERGROUND NATURAL GAS
	EX. WATER
	EX. SANITARY SEWER
	EX. STORM SEWER

NuTec Design Associates, Inc.

3687 Concord Road
York, Pennsylvania 17402
Phone: 717-751-0300
Fax: 717-755-9007

120 Cockeysville Rd. Suite 101
Hunt Valley, Maryland 21030
Phone: 410-771-3433
Fax: 410-771-0413

178 Thomas Johnson Dr. Suite 204L
Frederick, Maryland 21702
Phone: 301-682-9080

www.nutecdesign.com

2	4/26/05	SPRING GARDEN TWP REVISIONS
1	4/15/05	ISSUED FOR CITY OF YORK REVIEW
REVISIONS		

CONTACT: T.E.D.
DESIGNED BY: T.E.D.
DRAWN BY: M.J.S.
CHECKED BY: T.E.D.
SEAL:

PROJECT:
ENTRANCE DRIVEWAY AND PARKING LOT
PENN STATE YORK
CITY OF YORK SPRING GARDEN TWP.
YORK COUNTY, PA

PROJECT NUMBER: 303093.01

DATE: 3-28-05

DRAWING TITLE: GRADING PLAN

DRAWING NUMBER: C-3

REVISION: 2

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P:\PROJECTS\303093\YORK\DWG\ENGR\YORKGRADINGDRAINAGE.DWG, 4/6/2005 1:27:32 PM, JMF

The City of York
Pennsylvania

*101 S George Street * P.O. Box 509 * York PA 17405*

www.yorkcity.org

Honorable C. Kim Bracey, Mayor

James E Gross
Director
Department of Public Works

March 20, 2013

April M Beggarly
St. Matthews Evangelical Lutheran Church
839 W Market St
York PA 17401

RE: St. Matthews Evangelical Lutheran Church
Stormwater Management Facility Required Corrective Actions

Dear Mrs. Beggarly:

The City of York's designated engineer, C.S. Davidson, Inc., conducted an inspection of your stormwater management (SWM) facility on February 13, 2013, as required by §943.04 of the City of York Code. The inspection was conducted to determine if your SWM facilities are in compliance with operation and maintenance requirements.

Field investigation revealed that the following stormwater management facilities were never installed as required by your approved Land Development Plan:

1. Install the grass filtration strip as shown on the design plans (Photo No. 1)
2. Install the water quality insert in structure EX-I-2 as shown on the design plans (Photo No. 2)

An investigation into our files has shown that the City is still holding a check from the church in the amount of $20,278.50 as financial guarantee that these improvements are completed. These funds can be released back to the church once all required facilities are installed. We request that the Church contact the City and provide a schedule for the installation of these facilities by May 20, 2013. After this date, the City will begin proceedings to utilize your financial guarantee and install the required facilities on your behalf.

The specific locations of the features described above are highlighted on the enclosed site plan. The February 13, 2013, inspection form is enclosed for your records.

Maintenance of SWM facilities is required under Article 940 of the City of York Code. Failure to comply may result in civil enforcement action as permitted under §943 of the City of York Code, which may include a monetary penalty.

Please contact Mr. Derek Rinaldo, E.I.T., C. S. Davidson, at (717) 846-4805 or by email at djr@csdavidson.com to discuss a schedule for installation of the above facilities. Please do not hesitate to contact Mr. Rinaldo should you have any questions concerning the required corrective actions.

Sincerely,

James E. Gross
Director of Public Works

JEG:cdm
Enclosures: February 13, 2013 Inspection Form
St. Matthews Evangelical Grading, Utilities and E&S Control Plan

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Site: St. Matthews Evangelical Lutheran Church
BMP: Grass Filtration Strip; Hydrokleen Filtration System
Date: 2/13/2013
Inspector: Steve H. Lehman

Earthen Components	Structural Components	On-going Maintenance Issues
☐ Downslope Berm Condition	☐ Outlet Structure	☐ Accumulation of Sediment
☐ Inside Berm Condition	☐ Pipe	☐ Trash
☐ Settlement	☐ Outlet Structure	☐ Specific Maintenance to Structural (See Attached)
☐ Vegetation	☐ Cleanouts	
☐ Bottom of Basin		

Comments:
Weather: Mostly Cloudy, 36°
There is no indication of a grass filtration strip. There is no water quality insert in Ex Inlet No. 2.
I spoke with April Beggarly, the Church Property Manager, to see if she was aware of any of these
BMP issues. No one in the church was aware of these issues.

Action Items (Determined From Inspection Notes):		
Install the grass filtration strip as shown on the design plans (Photo No. 1).	Completion Date:	Initials:
Install the water quality insert in Inlet EX-I-2 as shown on the design plans (Photo No. 2).	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Photo Log:

Photo No. 1:

Photo No. 2:

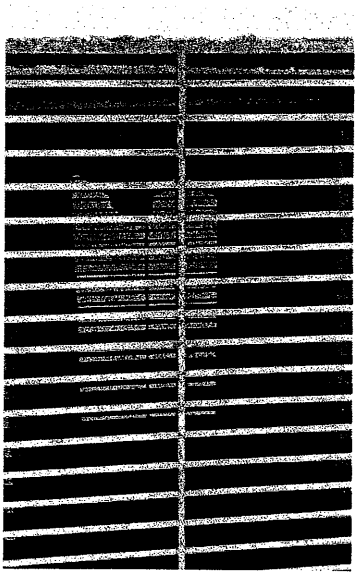


Photo Comments:

NORTH

RICHLAND AVENUE

CLAYTON AVENUE

CARLISLE AVENUE

WEST CLARKE AVENUE

WEST MARKET STREET

UNNAMED ALLEY

N/F Genesee & Wyoming, Inc. (York Rail)

N/F Dream Wrights Youth & Family Theatre (R.B. 1391, Page 4345)

N/F Grace Methodist Episcopal Church of York, PA (D.B. 21X, Page 71)

N/F Ronald E. Smith, Jr. (R.B. 1215, Page 8178)

N/F H2H Investment Group (R.B. 1626, Page 7149)

Existing Side Yard Setback

Macadam Parking Area

Building

Barn

Pavilion

Overhang

Steps

Gate

Fresh Air Vent

Benchmark at Width of Doorway (Assumed Elev.=100.00)

PROPOSED UTILITY POLE (TYP.) BY NIETED

PROPOSED LIGHTPOLE (TYP.)

REPLACE INLET TOP W/ TYPE 'M', GRATE W/ WATER QUALITY INSERT

PETROX WATER QUALITY ENGINEERED SOIL FILTER

INLET WITHOUT WATER QUALITY INSERT

GRASS FILTRATION STRIP

Macadam

Macadam Drive

Meadow Drive

20' Right of Way

40' Right of Way

19'± Cartway

42'± Cartway

0' CURB REVEAL

5' TYP.

15' TYP.

42' TYP.

100

50

0

30

60

90

SCALE 1"=30'

NO	BY	DATE	REVISION
1	BAL	5/19/2010	REVISIONS AS PER CITY COMMENT LETTER

SEAL

SEAL

MANAGER: JOHN D. SNYDER

DESIGN BY: JDS — CHECKED BY: JDS

DRAWN BY: ELL — CHECKED BY: MHH

CLIENT
ST. MATTHEW'S EVANGELICAL LUTHERAN CHURCH
839 WEST MARKET STREET
YORK, PA 17401
(717) 845 - 2721

PROJECT TITLE
ST. MATTHEWS EVANGELICAL LUTHERAN CHURCH
FINAL LAND DEVELOPMENT PLAN
CITY OF YORK — YORK COUNTY, PA.

SHEET TITLE
GRADING, UTILITIES AND E&S CONTROL PLAN

Land Development Consultants
- Landscape Architects
- Civil Engineers
15 S. State Street, PO Box 365, Brownstown, PA 17508
(717) 656-6671 FAX: (717) 656-6673
(717) 854-3810 FAX: (717) 854-3920
E-mail: info@rgsassociates.com
www.rgsassociates.com
RGS ASSOCIATES

DATE: DECEMBER 4, 2009

PROJECT NO.: 2009975-002

SHEET NO.: 4 OF 7

NOT FOR BIDDING/NOT FOR CONSTRUCTION

PLOTTED: Monday, March 08, 2010 @ 11:10:42 AM

GRADING

FILENAME: P:\2009\2009975-002\CAD\Final\Plot\2-Grading-Utilities-E&S.dwg

XREFS: layout.pg.pmf$ex-utilities.dwg xlaidsgcg-titleblock.dwg-titleblock-ed1.dwg$layout=base

IMAGES:

The City of York
Pennsylvania

*101 S George Street * P.O. Box 509 * York PA 17405*

www.yorkcity.org

Honorable C. Kim Bracey, Mayor

James E Gross
Director
Department of Public Works

March 20, 2013

Mr Al Savard
Catholic Harvest Pantry
2935 Kingston Rd
York PA 17402

RE: Catholic Harvest Pantry
Stormwater Management Facility Required Corrective Actions

Dear Mr. Savard:

The City of York's designated engineer, C.S. Davidson, Inc., conducted an inspection of your stormwater management (SWM) facility on February 13, 2013,, as required by §943.04 of the City of York Code. The inspection was conducted to determine if your SWM facilities are in compliance with operation and maintenance requirements.

Based on inspection findings, the following corrective actions are required to be completed by May 20, 2013.

1. Clean the sediment and debris from the bottom of the inlet connected to the Infiltration Bed (Photo Nos. 1 and 2)

The specific locations of the features described above are highlighted on the enclosed site plan. The February 13, 2013, inspection form is enclosed for you records.

Maintenance of SWM facilities is required under Article 940 of the City of York Code. Failure to comply may result in civil enforcement action as permitted under §943 of the City of York Code, which may include a monetary penalty.

After the above correction actions are completed, contact Mr. Derek Rinaldo, E.I.T., C. S. Davidson, Inc., at (717) 846-4805 to schedule a follow-up inspection or email at djr@csdavidson.com. Please do not hesitate to contact Mr. Rinaldo should you have any questions concerning the required corrective actions.

Sincerely,

James E Gross
Director of Public Works

JEG:cdm

Enclosures: February 13, 2013 Inspection Form
Catholic Harvest Pantry SWM Site Plan

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Site: Catholic Harvest Pantry
BMP: Infiltration Bed
Date: 2/13/2013
Inspector: Steve H. Lehman

Earthen Components	Structural Components	On-going Maintenance Issues
☐ Downslope Berm Condition	☐ Outlet Structure	☐ Accumulation of Sediment
☐ Inside Berm Condition	☐ Pipe	☐ Trash
☐ Settlement	☐ Outlet Structure	☐ Specific Maintenance to Structural (See Attached)
☐ Vegetation	☐ Cleanouts	
☐ Bottom of Basin		

Comments:
Weather: Mostly Cloudy, 45°
The infiltration bed is beneath the pavement, although after removing the grate to the perforated inlet
it could be determined what gets into the system. The inlet has some debris and sediment on the
bottom.

Action Items (Determined From Inspection Notes):		
Clean the the bottom of the inlet from sediment and debris (Photo Nos. 1-2).	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:

C.S.Davidson, Inc.

Excellence in Civil Engineering

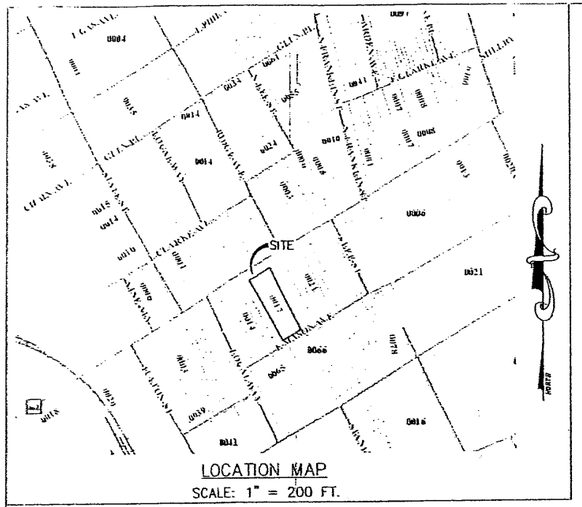
City of York BMP Inspection Form

Photo Log:

Photo No. 1:

Photo No. 2:

Photo Comments:



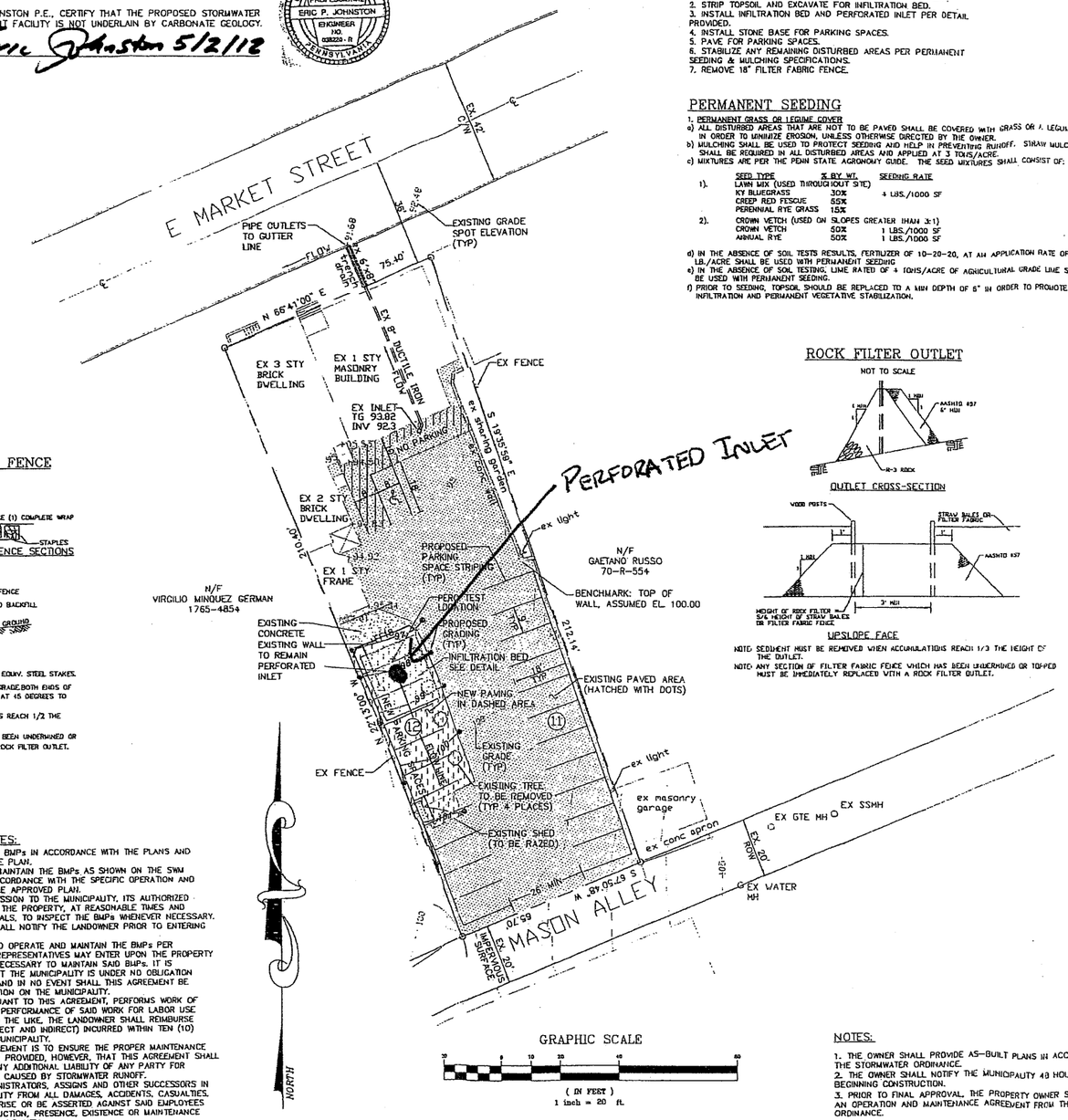
LOCATION MAP

SCALE: 1" = 200 FT.

I, ERIC JOHNSTON P.E., CERTIFY THAT THE PROPOSED STORMWATER MANAGEMENT FACILITY IS NOT UNDERLAIN BY CARBONATE GEOLOGY.

Eric Johnston 5/2/12

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — ERIC P. JOHNSTON — ENGINEER NO. 039220-A



GRAPHIC SCALE

(IN FEET)

1 inch = 20 ft.

SEQUENCE OF CONSTRUCTION

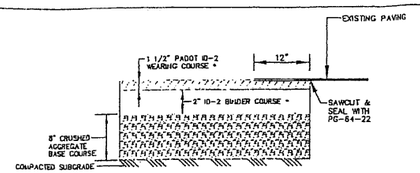
1. INSTALL 18" FILTER FABRIC FENCE PER DETAIL PROVIDED.
2. STRIP TOPSOIL AND EXCAVATE FOR INFILTRATION BED.
3. INSTALL INFILTRATION BED AND PERFORATED INLET PER DETAIL PROVIDED.
4. INSTALL STONE BASE FOR PARKING SPACES.
5. PAVE FOR PARKING SPACES.
6. STABILIZE ANY REMAINING DISTURBED AREAS PER PERMANENT SEEDING & MULCHING SPECIFICATIONS.
7. REMOVE 18" FILTER FABRIC FENCE.

PERMANENT SEEDING

1. PERMANENT GRASS OR LEGUME COVER
a) ALL DISTURBED AREAS THAT ARE NOT TO BE PAVED SHALL BE COVERED WITH GRASS OR A LEGUME IN ORDER TO MINIMIZE EROSION, UNLESS OTHERWISE DIRECTED BY THE OWNER.
b) MULCHING SHALL BE USED TO PROTECT SEEDING AND HELP IN PREVENTING RUNOFF. STRAW MULCH SHALL BE REQUIRED IN ALL DISTURBED AREAS AND APPLIED AT 3 TONS/ACRE.
c) MIXTURES ARE PER THE PENN STATE AGRONOMY GUIDE. THE SEED MIXTURES SHALL CONSIST OF:

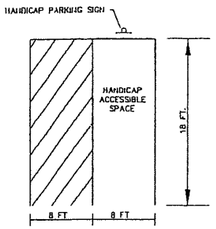
	SEED TYPE	% BY WT	SEEDING RATE
1).	LAWN MIX (USED THROUGHOUT SITE)		
	KY BLUEGRASS	30%	4 LBS./1000 SF
	CREEP RED FESCUE	55%	
	PERENNIAL RYE GRASS	15%	
2).	CROWN VETCH (USED ON SLOPES GREATER THAN 3:1)		
	CROWN VETCH	50%	1 LBS./1000 SF
	ANNUAL RYE	50%	1 LBS./1000 SF

d) IN THE ABSENCE OF SOIL TESTS RESULTS, FERTILIZER OF 10-20-20, AT AN APPLICATION RATE OF 1000 LB./ACRE SHALL BE USED WITH PERMANENT SEEDING
e) IN THE ABSENCE OF SOIL TESTING, LIME RATED OF 4 TONS/ACRE OF AGRICULTURAL GRADE LIME SHALL BE USED WITH PERMANENT SEEDING.
f) PRIOR TO SEEDING, TOPSOIL SHOULD BE REPLACED TO A MIN DEPTH OF 6" IN ORDER TO PROMOTE STORMWATER INFILTRATION AND PERMANENT VEGETATIVE STABILIZATION.



BITUMINOUS PAVING DETAIL

* OR EQUIVALENT PADOT SUPERPAVE MIX DESIGN



LINE PAINTING:
LINE WIDTH SHALL BE 4" UNLESS INDICATED OTHERWISE; COLOR SHALL BE WHITE. SURFACES SHALL BE DRY, CLEAN AND FREE OF TRAFFIC. ALL LINES SHALL BE STRAIGHT, TRUE AND NEAT. PAINT SHALL BE APPLIED IN TWO COATS HAVING A FINAL DRY THICKNESS OF 12 MILS MINIMUM.
LINE PAINTING, AS INDICATED ON DRAWINGS, SHALL BE HIGHWAY APPROVED TYPE, III ACCORDANCE WITH PA DOT SPECIFICATIONS.
STANDARD HANDICAP SYMBOL SHALL BE PAINTED WHITE ON BLUE PAINTED PARKING SPACE AS REQUIRED BY UNIFORM ACCESSIBILITY STANDARDS AND DETAIL THIS SHEET.

ROCK FILTER OUTLET

NOT TO SCALE

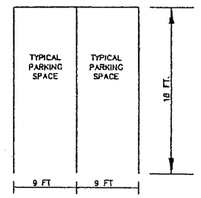
OUTLET CROSS-SECTION

UPSLOPE FACE

NOTE: SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.
NOTE: ANY SECTION OF FILTER FABRIC FENCE WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET.

HANDICAP PARKING SPACE STRIPING

NOT TO SCALE



LINE PAINTING:
LINE WIDTH SHALL BE 4" UNLESS INDICATED OTHERWISE; COLOR SHALL BE WHITE. SURFACES SHALL BE DRY, CLEAN AND FREE OF TRAFFIC. ALL LINES SHALL BE STRAIGHT, TRUE AND NEAT. PAINT SHALL BE APPLIED IN TWO COATS HAVING A FINAL DRY THICKNESS OF 12 MILS MINIMUM.
LINE PAINTING, AS INDICATED ON DRAWINGS, SHALL BE HIGHWAY APPROVED TYPE, III ACCORDANCE WITH PA DOT SPECIFICATIONS.

TYPICAL PARKING SPACE STRIPING

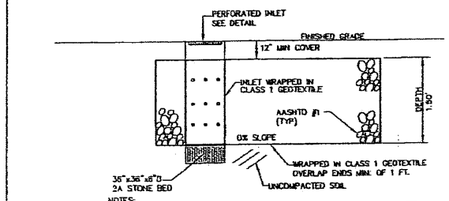
NOT TO SCALE

PLAN PURPOSE:

THE PURPOSE OF THIS PLAN IS TO:
1. DOCUMENT THE ADDITION OF 1,300 SF OF IMPERVIOUS COVERAGE REQUIRED FOR THE INSTALLATION OF 7 NEWLY PROPOSED PARKING SPACES.
2. PROVIDE GRADING AND NECESSARY DETAILS FOR THE CONSTRUCTION & PAVING OF THE 7 NEWLY PROPOSED PARKING SPACES.
3. PROVIDE A STRIPING PLAN & STRIPING DETAILS FOR THE ENTIRE PARKING LOT.

SITE INFORMATION:

1. SITE ADDRESS: 828 EAST MARKET STREET
YORK, PA. 17403
2. DEED BOOK 1348, PAGE 0448
3. PIN: 123B110001700000

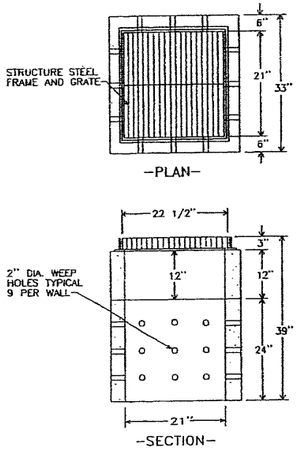


NOTES:
1. INFILTRATION BEDS TO BE INSTALLED SO THAT BOTTOM OF PIT IS LOCATED IN INSITU SOIL.
2. SUBGRADE BELOW THE INFILTRATION BED SHOULD NOT BE COMPACTED. IF THE SUBGRADE BECOMES COMPACTED FOR ANY REASON, THE SOIL SHALL BE SCARIFIED PRIOR TO CONSTRUCTING THE BED.
3. SEDIMENT ACCUMULATION SHALL BE MONITORED SEASONALLY.
4. WHEN SEDIMENT ACCUMULATES TO A DEPTH OF 18" IN PERFORATED INLET, IT SHALL BE REMOVED.

INFILTRATION BED DETAIL

NOT TO SCALE

* INFILTRATION BED SHALL BE 450 SF (MINIMUM BOTTOM AREA). RECOMMENDED DIMENSIONS = 22.5' LONG x 20' WIDE. MINIMUM STONE DEPTH = 1.5 FT.

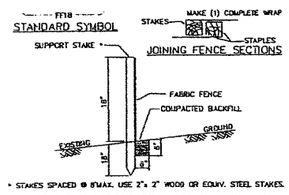


21" X 21" PRECAST CONCRETE PERFORATED INLET

NOT TO SCALE

18 INCH FILTER FABRIC FENCE

NOT TO SCALE



* STAKES SPACED @ 8'MAX. USE 2"x 2" WOOD OR EQUIV. STEEL STAKES.

FILTER FABRIC FENCE MUST BE PLACED AT LEVEL GRADE.BOTH ENDS OF THE BARRIER MUST EXTEND AT LEAST 8'UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT.
SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE GROUND HEIGHT OF THE FENCE.
ANY SECTION OF FILTER FABRIC FENCE WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET. SEE ROCK FILTER OUTLET DETAIL.

OPERATION & MAINTENANCE NOTES:

1. THE LANDOWNER SHALL CONSTRUCT THE BMPs IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS IDENTIFIED IN THE SWM SITE PLAN.
2. THE LANDOWNER SHALL OPERATE AND MAINTAIN THE BMPs AS SHOWN ON THE SWM SITE PLAN IN GOOD WORKING ORDER IN ACCORDANCE WITH THE SPECIFIC OPERATION AND MAINTENANCE REQUIREMENTS NOTED ON THE APPROVED PLAN.
3. THE LANDOWNER HEREBY GRANTS PERMISSION TO THE MUNICIPALITY, ITS AUTHORIZED AGENTS AND EMPLOYEES, TO ENTER UPON THE PROPERTY, AT REASONABLE TIMES AND UPON PRESENTATION OF PROPER CREDENTIALS, TO INSPECT THE BMPs WHENEVER NECESSARY. WHENEVER POSSIBLE, THE MUNICIPALITY SHALL NOTIFY THE LANDOWNER PRIOR TO ENTERING THE PROPERTY.
4. IN THE EVENT THE LANDOWNER FAILS TO OPERATE AND MAINTAIN THE BMPs PER PARAGRAPH 2, THE MUNICIPALITY OR ITS REPRESENTATIVES MAY ENTER UPON THE PROPERTY AND TAKE WHATEVER ACTION IS DEEMED NECESSARY TO MAINTAIN SAID BMPs. IT IS EXPRESSLY UNDERSTOOD AND AGREED THAT THE MUNICIPALITY IS UNDER NO OBLIGATION TO MAINTAIN OR REPAIR SAID FACILITIES, AND IN NO EVENT SHALL THIS AGREEMENT BE CONSTRUED TO IMPOSE ANY SUCH OBLIGATION ON THE MUNICIPALITY.
5. IN THE EVENT THE MUNICIPALITY, PURSUANT TO THIS AGREEMENT, PERFORMS WORK OF ANY NATURE, OR EXPENDS ANY FUNDS IN PERFORMANCE OF SAID WORK FOR LABOR USE OF EQUIPMENT, SUPPLIES, MATERIALS, AND THE LIKE, THE LANDOWNER SHALL REIMBURSE THE MUNICIPALITY FOR ALL EXPENSES (DIRECT AND INDIRECT) INCURRED WITHIN TEN (10) DAYS OF RECEIPT OF INVOICE FROM THE MUNICIPALITY.
6. THE INTENT AN PURPOSE OF THIS AGREEMENT IS TO ENSURE THE PROPER MAINTENANCE OF THE ONSITE BMPs BY THE LANDOWNER; PROVIDED, HOWEVER, THAT THIS AGREEMENT SHALL NOT BE DEEMED TO CREATE OR EFFECT ANY ADDITIONAL LIABILITY OF ANY PARTY FOR DAMAGE ALLEGED TO RESULT FROM OR BE CAUSED BY STORMWATER RUNOFF.
7. THE LANDOWNER, ITS EXECUTORS, ADMINISTRATORS, ASSIGNS AND OTHER SUCCESSORS IN INTERESTS, SHALL RELEASE THE MUNICIPALITY FROM ALL DAMAGES, ACCIDENTS, CASUALTIES, OCCURRENCES, OR CLAIMS WHICH MIGHT ARISE OR BE ASSERTED AGAINST SAID EMPLOYEES AND REPRESENTATIVES FORM THE CONSTRUCTION, PRESENCE, EXISTENCE OR MAINTENANCE OF THE BMPs BY THE LANDOWNER OR MUNICIPALITY.
8. THE MUNICIPALITY MAY INSPECT THE BMPs AT A MINIMUM OF ONCE EVERY THREE (3) YEARS TO ENSURE THEIR CONTINUED FUNCTIONING. OPTIONALLY, AT ITS SOLE DISCRETION, THE MUNICIPALITY MAY INSPECT THE BMPs AT MORE OR LESS FREQUENT INTERVALS.

ROUTINE MAINTENANCE FOR INFILTRATION BED:

1. INSPECT FACILITY AT LEAST FOUR TIMES A YEAR, AS WELL AS AFTER EVERY STORM EXCEEDING 1 INCH.
2. DISPOSE OF SEDIMENT, DEBRIS/TRASH, AND ANY OTHER WASTE MATERIAL REMOVED FROM THE FACILITY.
3. EVALUATE THE DRAIN DOWN TIME OF THE FACILITY TO ENSURE THE MAXIMUM TIME OF 72 HOURS IS NOT BEING EXCEEDED. IF DRAIN DOWN TIMES ARE EXCEEDING THE MAXIMUM, DRAIN THE FACILITY VIA PUMPING. IF SLOW DRAINAGE PERSISTS, THE SYSTEM MAY NEED REPLACING.
4. REGULARLY CLEAN OUT GUTTERS, ROOF LEADERS AND PERFORATED INLET. ENSURE PROPER CONNECTIONS TO FACILITY THE EFFECTIVENESS OF THE FACILITY.
5. THE PERFORATED INLET GRATE SHALL BE KEPT CLEAR OF ANY DEBRIS THAT WILL IMPEDE THE CAPTURE OF RUNOFF AT ALL TIMES. DEBRIS SHALL BE REMOVED AS REQUIRED.

THE OWNER OF THE PROPERTY SHALL BE RESPONSIBLE FOR ENSURING THE APPROPRIATE INFILTRATION BED IS INSTALLED PER THE APPROVED PLANS ON HIS OR HER INDIVIDUAL LOT. THE MUNICIPAL ENGINEER OR HIS DESIGNEE SHALL INSPECT THE FACILITY DURING CONSTRUCTION. THE OWNER OF SAID LOT WILL BE RESPONSIBLE FOR ALL ROUTINE MAINTENANCE OF THE FACILITY.

NOTES:

1. THE OWNER SHALL PROVIDE AS-BUILT PLANS IN ACCORDANCE WITH THE STORMWATER ORDINANCE.
2. THE OWNER SHALL NOTIFY THE MUNICIPALITY 48 HOURS IN ADVANCE OF BEGINNING CONSTRUCTION.
3. PRIOR TO FINAL APPROVAL, THE PROPERTY OWNER SHALL SIGN AND RECORD AN OPERATION AND MAINTENANCE AGREEMENT FROM THE STORMWATER ORDINANCE.

NO.	DATE	DESCRIPTION	BY

OWNER CERTIFICATION:

I HEREBY ACKNOWLEDGE THAT THE STORMWATER BMPS AS SHOWN ON THIS PLAN ARE PERMANENT FIXTURES AND THAT I AM AWARE OF AND WILL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE FACILITIES.

Brian A. Mastalino
OWNER

WITNESS MY HAND AND SEAL THE DAY AND DATE ABOVE WRITTEN.

July 10 2013 Barbara J Heimbach
MY COMMISSION EXPIRES — NOTARY PUBLIC

NOTARIAL SEAL
BARBARA J HEIMBACH
Notary Public
SPRINGETTSBURY TWP., YORK CNTY
My Commission Expires Jul 10, 2013

MUNICIPAL SIGNATURE BLOCK:

(MUNICIPAL OFFICIAL OR DESIGNEE)

(DATE)

I HAVE REVIEWED AND HEREBY CERTIFY THAT THE SWM SITE PLAN MEETS ALL DESIGN STANDARDS AND CRITERIA OF THE MUNICIPAL ORDINANCE NO. _____

CATHOLIC HARVEST PANTRY

SWM SITE PLAN

OWNER/DEVELOPER:
ST. JOSEPH'S CATHOLIC CHURCH
2935 KINGSTON ROAD
YORK, PA. 17402
CONTACT: AL SAVARD (PH: 717-870-1007)

CITY OF YORK — YORK COUNTY, PA

SCALE: 1"=20'
DATE: 5/2/12
NO.: 2011-19

JOHNSTON AND ASSOCIATES, INC
2366 TAXVILLE ROAD
YORK, PA. 17408
PHONE: 717-793-9595 FAX: 717-793-9696

DR.: KAR
CK.: EPJ
SHEET 1 OF 1

The City of York
Pennsylvania

*101 S George Street * P.O. Box 509 * York PA 17405*

www.yorkcity.org

Honorable C. Kim Bracey, Mayor

James E Gross
Director
Department of Public Works

March 20, 2013

Mr. Bill Newby
Crispus Attucks Association
50 E Boundary Ave
York PA 17403

RE: Crispus Attucks Association
Stormwater Management Facility Required Corrective Actions

Dear Mr Newby:

The City of York's designated engineer, C. S. Davidson, Inc., conducted an inspection on February, 13, 2013, of your stormwater management (SWM) facility, as required by §943.04 of the City of York Code. The inspection was conducted to determine if your SWM facilities are in compliance with operations and maintenance requirements.

Based on inspection findings, the following corrective actions are required to be completed by May 20, 2013:

Crispus Attucks S Court Street:

1. Remove sediment and debris from the inlet located at the southern corner of the parking lot along Court Street (Photo No. 1)
2. Remove the leaves from Inlet No. 8 (Photo Nos. 2-3)

Crispus Attucks Early Childhood Learning Center:

1. The underground storage facility was inspected and there were no deficiencies noted.

The specific locations of the features described above are highlighted on the enclosed site plan. The February 13, 2013, inspection form is enclosed for your records.

Maintenance of SWM facilities is required under Article 940 of the City of York Code. Failure to comply may result in civil enforcement action as permitted under §943 of the City of York Code, which may include a monetary penalty.

After the above corrective actions are complete, contact Mr. Derek Rinaldo, E.I.T., C. S. Davidson, Inc., at (717) 846-4805 to schedule a follow-up inspection or by email at djr@csdavidson.com. Please do not hesitate to contact Mr. Rinaldo should have any questions concerning the required corrective actions.

Sincerely,

James E Gross
Director of Public Works

Enclosures: February 13, 2013 Inspection Form
Crispus Attucks Early Childhood Learning Center Grading and Utility Plan

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Site: Crispus Attucks South Court Street
BMP: Underground Detention Basin
Date: 2/13/2013
Inspector: Steve H. Lehman

Earthen Components	Structural Components	On-going Maintenance Issues
☐ Downslope Berm Condition	☐ Outlet Structure	☐ Accumulation of Sediment
☐ Inside Berm Condition	☐ Pipe	☐ Trash
☐ Settlement	☐ Outlet Structure	☐ Specific Maintenance to Structural (See Attached)
☐ Vegetation	☐ Cleanouts	
☐ Bottom of Basin		

Comments:
Weather: Mostly Cloudy, 44°
Inlet No. 8 baffle is in good condition. Inlet No. I-B has a small amount of leaves on the bottom.
At the south corner of the parking lot along Court Street, the existing inlet has a significant amount of
sediment and asphalt in it and needs to be cleaned out.

Action Items (Determined From Inspection Notes):		
Remove leaves from Inlet I-B (Photo Nos 2-3).	Completion Date:	Initials:
Remove sediment and debris from the inlet located at the southern corner of the parking lot along Court Street (Photo No. 1).	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Photo Log:

Photo No. 1:

Photo No. 2:

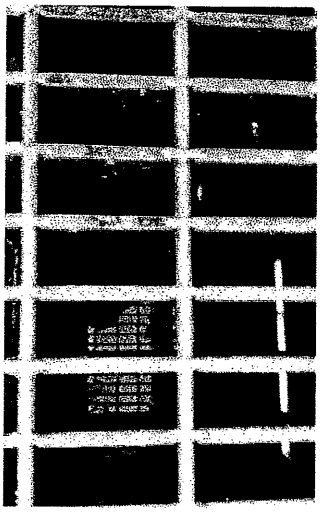


Photo No. 3:

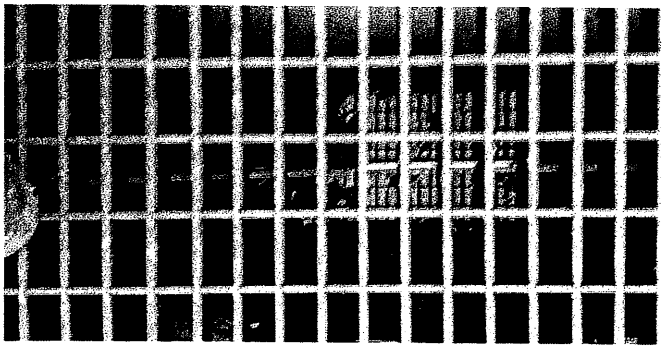
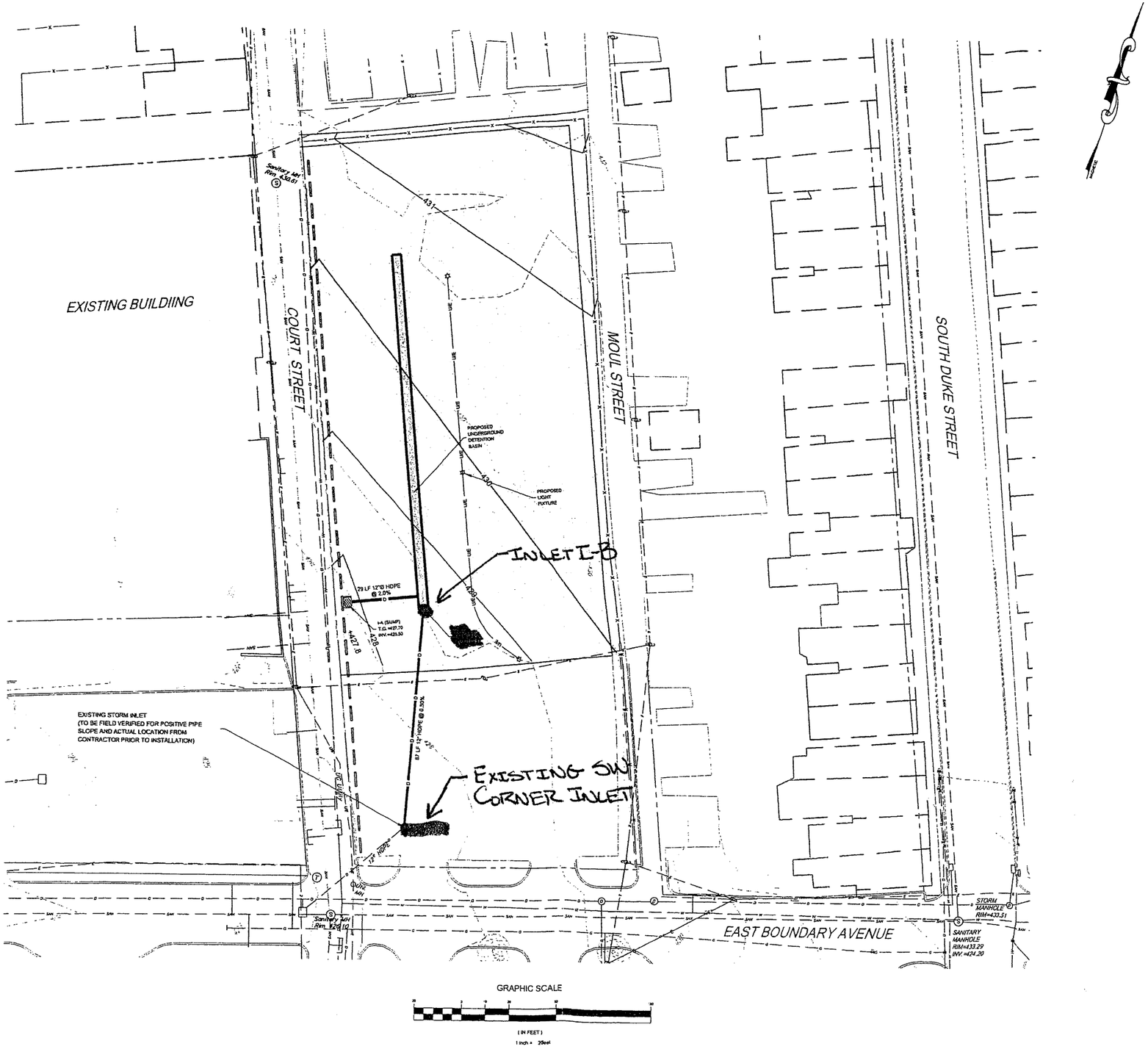


Photo Comments:



project name / owner

CRISPUS ATTUCKS
EARLY CHILDHOOD
LEARNING CENTER
605 South Duke Street
York, PA 17401

York City, York County, PA

seal / stamp

lscdesign
architects engineers

project team
Civil Engineer:

LSC DESIGN
1110 EAST PRINCESS STREET
YORK, PA 17403
(717) 845 - 8363

revisions

no.	date	description
1	12-09-2011	REVISIONS PER CSD REVIEW
2	01-03-2012	REVISIONS PER CSD REVIEW

key plan

project north

See Plan

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date: 9/14/2011
project mgr.: KAC

project no.: 2011.0055.00

drawing set: CONSTRUCTION PLAN

drawing title: GRADING & UTILITY PLAN

sheet no.: C-3

38 North Duke Street
York, PA 17401
(717) 846-4805
FAX (717) 846-5811

C.S.Davidson, Inc.
Excellence in Civil Engineering

www.csdavidson.com

An Employee Owned Company

York, PA • Gettysburg, PA • Lancaster, PA • Freehold, NJ

March 20, 2013

Mr. Jim Gross, Public Works Director
The City of York
101 S. George St., 2nd floor
York, PA 17401

RE: Penn State York Veterans Memorial Park
Stormwater Management Facility Required Corrective Actions

Dear Jim:

C.S. Davidson, Inc., was authorized by the City to conduct inspections of stormwater management (SWM) facilities within the City's jurisdictional boundaries, as required by §943.04 of the City of York Code and your MS4 permit. On February 13, 2013, we conducted an inspection of the stormwater basin located at Memorial Park which is owned and operated by the City. We noted the following items which will require corrective actions during our inspection:

1. The grate on top of the outlet structure needs to be straightened and placed on top of the outlet structure box properly (Photo No. 1).
2. Leaves and Sediment need to be removed from concrete flow channel in the stormwater basin (Photo No. 2).

The specific locations of the features described above are highlighted on the enclosed site plan. The February 13, 2013 inspection form is also enclosed for your records. We recommend that the City completes the above noted actions and continues regular maintenance activities within this facility to ensure compliance with your MS4 permit.

If you have any questions, please do not hesitate to contact me at our York Office

Sincerely,

Derek J. Rinaldo

Derek J. Rinaldo, E.I.T.

DJR/jls
Enclosures: February 13, 2013 Inspection Form
Penn State York New Library & Performing Arts Center Variance & Location Plan
Copy: File

C.S.Davidson, Inc.
Excellence in Civil Engineering

City of York BMP Inspection Form

Site: Penn State York Veterans Memorial Park
BMP: Stormwater Basin
Date: 2/13/2013
Inspector: Steve H. Lehman

Earthen Components	Structural Components	On-going Maintenance Issues
☐ Downslope Berm Condition	☐ Outlet Structure	☐ Accumulation of Sediment
☐ Inside Berm Condition	☐ Pipe	☐ Trash
☐ Settlement	☐ Outlet Structure	☐ Specific Maintenance to Structural (See Attached)
☐ Vegetation	☐ Cleanouts	
☐ Bottom of Basin		

Comments:
Weather: Mostly Cloudy, 44°
The basin is well established with grass. All aspects of the basin are good. The concrete swale between the end wall and the outlet structure could be cleaned periodically to remove sediment and leaves that could possibly get into the outlet structure and pipe. The outlet structure top/grate need to be reset because it is currently off center.

Action Items (Determined From Inspection Notes):		
Leaves and Sediment shall be removed from flow channel in the stormwater basin.	Completion Date:	Initials:
Reset Top/Grate back to center	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:

C.S.Davidson, Inc.
Excellence in Civil Engineering

City of York BMP Inspection Form

Photo Log:

Photo No. 1:

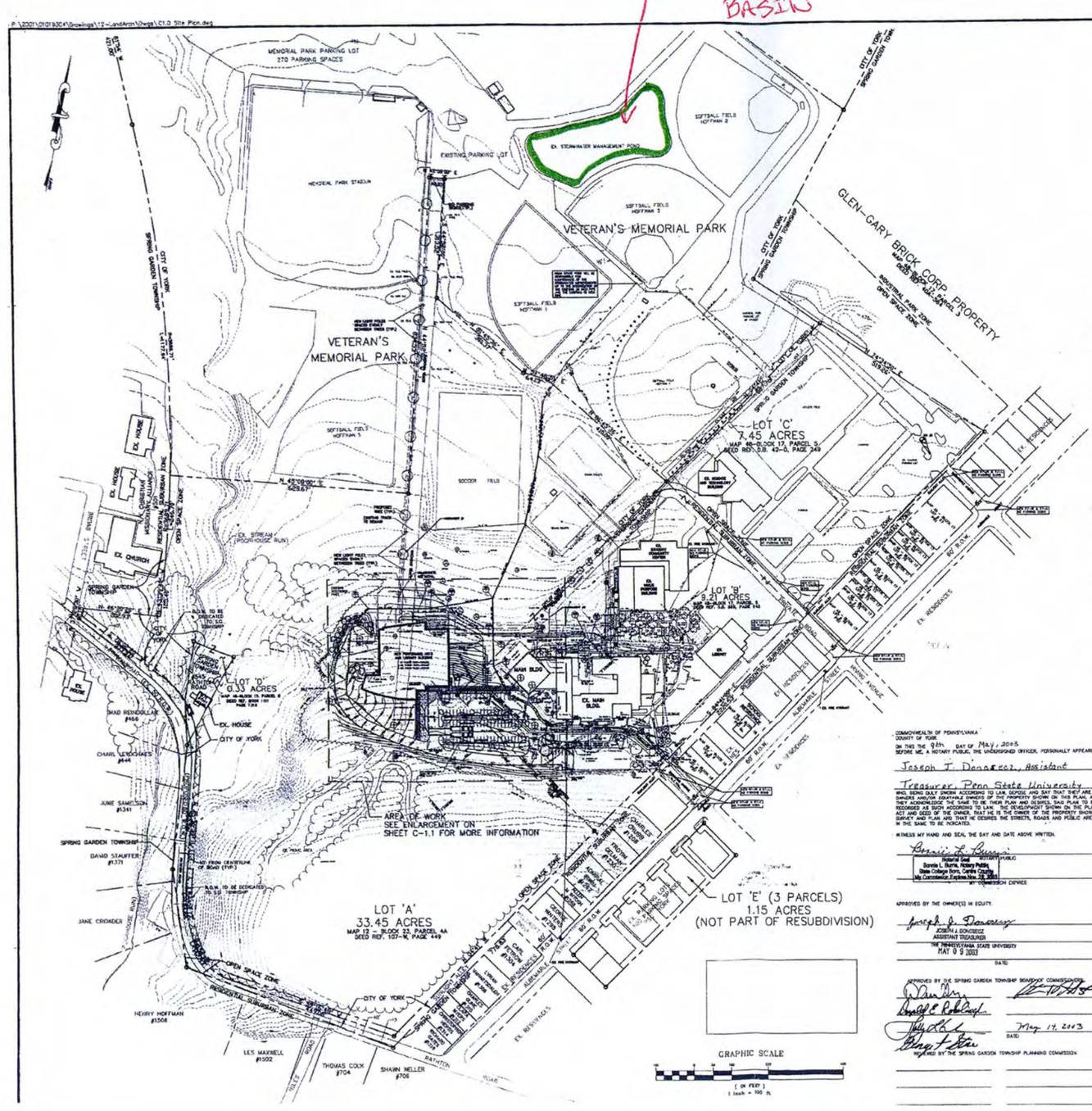
Photo No. 2:

Photo No. 3:

Photo Comments:

STORMWATER BASIN

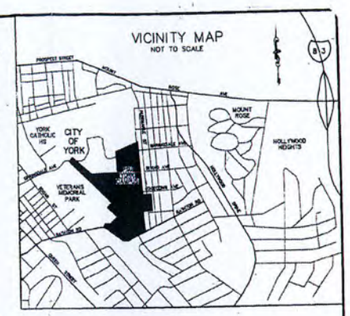
P:\2001\01019041\Drawings\12-LandArch\Dwgs\C1.0 Site Plan.dwg



LEGEND

	EXISTING	NEW
BUILDING	EX. BLDG.	NEW BLDG.
PAVING	EX. PAVING	NEW PAVING
CONCRETE WALK	EX. CONC.	NEW CONC.
CURB		
FENCE		
CONTOUR		
STORM DRAIN		
SANITARY		
WATER		
OVERHEAD ELECTRIC		
ELECTRIC		
GAS		
MANHOLE		
INLET		
POWER POLE		
STREET LIGHT		
WATER VALVE		
GAS VALVE	MGV	
FIRE HYDRANT		
BOLLARD		
SIGN		
CONCRETE WHEEL STOP		
ROOF DRAIN		
DECIDUOUS TREE		
SHRUB		
TREELINE		

VICINITY MAP
NOT TO SCALE



NOTES:

1. PROPERTY OWNER AND DEVELOPER:
THE PENNSYLVANIA STATE UNIVERSITY
101 OFFICE SERVICES BUILDING
YORK, PENNSYLVANIA 17403
ATTN: WOLF SUMMY
PHONE: 717-771-1700

2. ZONING:
A. SPRING GARDEN TOWNSHIP:
1. SOUTH OF SPRING AVENUE: R-1, RESIDENTIAL SUBURBAN
2. NORTH OF SPRING AVENUE: OS, OPEN SPACE CONSERVATION
B. CITY OF YORK: OS, OPEN SPACE

3. PROPOSED LAND USE: PERFORMING ARTS CENTER AND LIBRARY

4. ADJACENT LAND USES:

	ZONING	USE
NORTH:	INDUSTRIAL PARK	GLEN-GARY BRICK CORP.
EAST:	RESIDENTIAL SUBURBAN	RESIDENCES
SOUTH:	RESIDENTIAL SUBURBAN	RESIDENCES
WEST:	OPEN SPACE	PARK/SOFTBALL FIELDS

5. BUILDING SETBACKS REQUIRED:

	SPRING GARDEN TOWNSHIP	CITY OF YORK
FRONT:	40 FEET	25 FEET
SIDE:	15 FEET	10 FEET
SIDE ADJ. TO ST.:	15 FEET	10 FEET

6. BUILDING AND PARKING CALCULATIONS:
A. CITY OF YORK:

	ALLOWED	PROPOSED
1. MAXIMUM BUILDING AREA:		11K
2. MAXIMUM FLOOR AREA RATIO:		0.35
3. MAXIMUM BUILDING HEIGHT:	45 FEET	45 FEET*
4. MAXIMUM IMPERVIOUS AREA:	15K	14.2K
5. MINIMUM OPEN AREA:	30K	31K

THE REQUEST A VARIANCE BE GRANTED FROM 1320.10.D.4.A. THE MAXIMUM BUILDING HEIGHT LIMIT IS 45' TO ALLOW THE CONSTRUCTION OF A NEW PERFORMING ARTS CENTER AND LIBRARY BUILDING WITH A HEIGHT OF 55' TO MEET THE REQUIREMENTS OF THE 1,000 YEAR FLOOD TRANSFER AGREEMENT BETWEEN PENN STATE YORK AND THE CITY OF YORK.

B. SPRING GARDEN TOWNSHIP MIXED R-1 ZONE ONLY ON LOT "B" (AREA OF WORK):

	ALLOWED	PROPOSED
1. BUILDING HEIGHT:	40 FEET	40 FEET
2. BUILDING LOT COVERAGE:	20K	14.6K
3. OPEN AREA:	70K	64.2K
4. PAVED AREA:	50K	49.8K

7. CONSOLIDATION INFORMATION:
WE HEREBY REQUEST A RESUBDIVISION TO CONSOLIDATE LOTS A, B, C, AND D AS SHOWN ON SHEET C-1.0 OF THIS PLAN SET.

LOT 'A' 33.45 ACRES
LOT 'B' 9.21 ACRES
LOT 'C' 7.45 ACRES
LOT 'D' 0.33 ACRES
TOTAL 50.44 ACRES

TOTAL 50.44 ACRES TO BE CONSOLIDATED INTO A SINGLE LOT OF RECORD

LOT 'E' 1.20 ACRES (MAY BE EAST PART OF THE RESUBDIVISION)
THERE ARE NO STRUCTURES ON THE PROPERTY EXCEPT FOR PARKING AREA AND A STREET. NO HILL, VALLEY OR STREAM EXISTS ON THE PROPERTY.

8. PARKING CALCULATION FOR THE NEW BUILDING WITHIN THE CITY OF YORK:

	REQ.	PROVIDED
A. PERFORMING ARTS THEATER:		
1000 SEATS @ 1 SPACE/3 SEATS	300	300**
B. 200 STUDENTS USING LIBRARY	50	50**
@ 1 SPACE/4 STUDENTS		
C. 15 FACULTY @ 1 SPACE PER	15	15**
FACULTY MEMBER		

**375 PARKING SPACES ARE AVAILABLE IN THE EXISTING SURFACE PARKING LOT AND THE NEW PARKING GARAGE. THE PARKING GARAGE WILL BE A PERFORMING ARTS CENTER AND LIBRARY EMPLOYEE PARKING AREA.

9. THE PROPERTY IS NOT LOCATED WITHIN THE 100 YEAR FLOODPLAIN AS INDICATED FROM THE "FLOOD INSURANCE RATE" (FIRM PANEL).
10. THERE ARE NO STREAM, WETLANDS OR THE PROPERTY EXCEPT FOR PORTIONS THAT BORDER BROOKHOUSE RUN. THE HILL MAY DISTURB FROM HOUSE RUN UNDER THIS DEVELOPMENT SCHEME.
11. ALL UTILITIES ARE EXISTING. SEWER UTILITY SERVICES WILL BE PRIVATE.
12. STORAGE FACILITIES FOR MATERIALS STORAGE AND DISPOSAL OF WASTE FOLLOW ALL APPLICABLE REQUIREMENTS WITH THE SUBMISSION OF THIS PLAN.
13. ALL PROPOSED LIGHTING SHALL BE DIRECTED AWAY FROM ADJACENT PROPERTIES AND SHALL BE SHIELDED AS NECESSARY TO PREVENT GLARE ONTO ADJACENT PROPERTIES AND ROADWAYS.
14. A SEPTIC SYSTEM EXISTS ON THE PROPERTY AND SERVES THE EXISTING LIBRARY BUILDING. THE SEPTIC SYSTEM WILL BE REMOVED AND THE LIBRARY BUILDING WILL BE CONNECTED TO THE PUBLIC SEWER SYSTEM AS PART OF THE CONSTRUCTION OF THE NEW PERFORMING ARTS CENTER AND LIBRARY.
15. NO TREES WILL BE CLEARED AS PART OF THIS DEVELOPMENT.
16. A WATER FEED STORMWATER MANAGEMENT QUANTITY AND QUALITY HAS BEEN PROVIDED FOR THE NEW BUILDING AND PARKING AREAS. THE EXISTING STORMWATER MANAGEMENT POND WILL BE ENLARGED TO ACCOMMODATE THE ADDITIONAL STORMWATER MANAGEMENT REQUIREMENTS.
17. THE NEW BUILDING WILL BE SPRINKLERED. THE FIRE FLOW TEST WAS SUPPLEMENTED BY PROPOSED UNDERGROUND WATER STORAGE TANKS.
18. THE INSTALLATION OF SPRINKLER PUMPS AND PRESSURE SEWERS WILL NOT BE ALLOWED.
19. ALL WORK WITHIN SPRING GARDEN TOWNSHIP SHALL CONFORM TO THE SPRING GARDEN TOWNSHIP PLANS, DETAILS, AND CONSTRUCTION STANDARDS.
20. ALL PUBLIC IMPROVEMENT CONSTRUCTION WITHIN SPRING GARDEN TOWNSHIP SHALL CONFORM TO THE SPRING GARDEN TOWNSHIP CONSTRUCTION AND MATERIALS SPECIFICATIONS AS WELL AS THE REQUIRED NOTICES OF CONSTRUCTION. ALL DEVIATIONS FROM THE PLANS MUST BE APPROVED PRIOR TO CONSTRUCTION.
21. THE OWNER HEREBY GRANTS SPRING GARDEN TOWNSHIP OF THE PERPETUATION A GENERAL ACCESS EASEMENT ACROSS THE ENTIRE LOT FOR ACCESS TO PRIVATE SCHOOL AND TOWNSHIP AGENCIES FOR INSPECTION PURPOSES.
22. APPROVAL OF "AS-BUILT" SANITARY SEWER PLANS BY THE TOWNSHIP ENGINEER SHALL BE REQUIRED PRIOR TO OCCUPANCY OF NEW BUILDING.
23. THE OFFICE SHOP IS PROPOSED WITHIN THE NEW BUILDINGS. A SMALL BREAK ROOM IS ALSO PROPOSED WITHIN THE BUILDING. EXACT LOCATION TO BE DETERMINED AT A LATER DATE.
24. ALL PROPOSED WORK IS PRIVATE AND WITHIN THE LIMITS OF PSU PROPERTY. PSU CORE SHALL MAINTAIN ALL STORM SEWERS ON THEIR PROPERTY. PSU SHALL MAINTAIN ALL PUBLIC STORM SEWERS. A FORMAL AGREEMENT WILL BE RECORDED WITH THE CITY OF YORK.
25. PSU SHALL CONNECT THE NEW BUILDING'S FIRE ALARM SYSTEM TO CITY OF YORK CENTRAL FIRE ALARM SYSTEM. EXACT LOCATION OF BOX SHALL BE DETERMINED WITH THE CITY'S ELECTRICAL DEPARTMENT.
26. THE NEW BUILDING'S ENTRANCE ALONG KATHRYN ROAD IN ACCORDANCE WITH THE CITY SPECIFICATIONS, WITHIN 100 LINEAR NOTICE FROM THE CITY OF YORK.
27. THE NEW BUILDING SPRINKLER SYSTEM REQUIRES 1350 GPM FLOW. A FIRE FLOW TEST WAS PERFORMED ON A HYDRANT ON PSU PROPERTY (ON THE NORTH SIDE OF EXECUTIVE WEST OF ALBRIGHT) ON AUGUST 6, 2003. THE RESULTS ARE AS FOLLOWS: A FLOW OF 1316 GPM REMAINS A STATIC PRESSURE OF 130 PSI TO A RESIDUAL 48 PSI. THE 1316 GPM FLOW FROM THE PUBLIC WATER SYSTEM WILL BE SUPPLEMENTED BY THE SPRING GARDEN PRIVATE UNDERGROUND TANKS ON THE SOUTH SIDE OF THE NEW BUILDING, AS SHOWN ON THE PLAN, AND A FIRE PUMP TO MEET THE 1350 GPM REQUIREMENT. THE PUMP WILL BE ON THE FLOW AND PRESSURE NEEDED FOR FIRE SUPPRESSION PER NFPA 13 AND 14.
28. ALL SITE IMPROVEMENTS ARE PRIVATE.
29. PRIOR TO OCCUPANCY OF THE LIBRARY AND PERFORMING ARTS CENTER, PENN STATE UNIVERSITY SHALL ENTER INTO A LONG-TERM SHARED PARKING AGREEMENT WITH THE CITY OF YORK. THE AGREEMENT MUST MEET THE REQUIREMENTS OF THE CITY SOLICITOR.
30. THIS PROJECT WILL BE A SMART SEWER CUSTOMER OF SPRING GARDEN TOWNSHIP.
31. PENN STATE YORK WILL BE RESPONSIBLE FOR MAINTENANCE OF THE STORMWATER IMPROVEMENTS UP TO THE INTERSECTION OF THE EXISTING 30 INCH PIPE AND THE EXISTING 42 INCH PIPE, AS SHOWN ON THIS SHEET.

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF YORK

ON THIS THE 9th DAY OF May, 2003,
BEFORE ME, A NOTARY PUBLIC, THE UNDERSIGNED OFFICER, PERSONALLY APPEARED
Joseph J. Donagreco, Assistant
Treasurer, Penn State University
WHO, BEING DULY SWORN ACCORDING TO LAW, DEPOSE AND SAY THAT THEY ARE THE OWNERS AND/OR EQUITABLE OWNERS OF THE PROPERTY SHOWN ON THIS PLAN, AND THAT THEY ACKNOWLEDGE THE SAME TO BE THEIR PLAN AND DESIRES, SAID PLAN TO BE RECORDED AS SUCH ACCORDING TO LAW. THE DEVELOPMENT SHOWN ON THE PLAN IS THE ACT AND DEED OF THE OWNER, THAT HE IS THE OWNER OF THE PROPERTY SHOWN ON THE SURVEY AND PLAN AND THAT HE DESIRES THE STREETS, ROADS AND PUBLIC AREAS SHOWN IN THE SAME TO BE NOTICED.

WITNESS MY HAND AND SEAL THE DAY AND DATE ABOVE WRITTEN.
Bernie L. Burns
NOTARY PUBLIC
Bernie L. Burns, Notary Public
State College Boro, Centre County
My Commission Expires Nov. 23, 2003
MY COMMISSION EXPIRES

APPROVED BY THE OWNER(S) IN EQUITY:
Joseph J. Donagreco
JOSEPH J. DONAGRECO
ASSISTANT TREASURER
THE PENNSYLVANIA STATE UNIVERSITY
MAY 09 2003
DATE

APPROVED BY THE SPRING GARDEN TOWNSHIP BOARD OF COMMISSIONERS:
May 14, 2003
DATE

REVIEWED BY THE SPRING GARDEN TOWNSHIP PLANNING COMMISSION

REVIEWED BY THE SPRING GARDEN TOWNSHIP ENGINEER:

DATE:

REVIEWED BY THE YORK COUNTY PLANNING COMMISSION:
Teresa L. Duell 6/25/03
12/6/03
DATE:

REVIEWED BY THE CITY OF YORK PLANNING COMMISSION:
April 7, 2003
DATE

APPROVED BY THE CITY OF YORK:
May 6, 2003
DATE

APPROVED BY THE CITY OF YORK CITY COUNCIL:
June 17, 2003
DATE
June 17, 2003
DATE

Plan Book 55
Page 173

Consulting Engineers
949 Fairmount Avenue
Baltimore, Maryland 21286
(410) 512-4500
(410) 324-4108 (FAX)
WHITNEY, BAILEY, COX & MAGNANI, LLC

DESCRIPTION	DESCRIPTION
AS - BUILT REVISIONS	
SUBMITTED: ARCHITECT (ENGINEER)	
SUBMITTED: ENGINEER (ARCHITECT)	
REVIEW BY DEPARTMENT OF EDUCATION	
REVIEW BY DEPARTMENT OF GENERAL SERVICES	

I HEREBY STATE TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS PLAN IS CORRECT AS SHOWN:
Philip Dor
5/5/03
PHILIP DOR, P.E. NO. 42087

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF GENERAL SERVICES
HARRISBURG, PENNSYLVANIA

Project Number DGS 800-269
Penn State York
New Library & Performing Arts Center
1031 Edgecomb Avenue
York, Pennsylvania 17403

Murphy & Dittenhafer
ARCHITECTS

FINAL LAND DEVELOPMENT, RESUBDIVISION, VARIANCE & LOCATION PLAN

Drawn By: KD/GK	Date: 4/28/03	Drawing Number: C 1.0
Checked By:	Scale:	

The City of York
Pennsylvania

*101 S George Street * P.O. Box 509 * York PA 17405*

www.yorkcity.org

Honorable C. Kim Bracey, Mayor

James E Gross
Director
Department of Public Works

April 2, 2013

Mr. Ray Dietrich
York College of Pennsylvania
441 Country Club Road
York, PA 17403

RE: York College Freshman Dorms
Stormwater Management Facility Required Corrective Actions

Dear Mr. Dietrich:

The City of York's designated engineer, C.S. Davidson, Inc., conducted an inspection of your stormwater management (SWM) facility, as required by §943.04 of the City of York Code, on February 13, 2013. The inspection was conducted to determine if your SWM facilities are in compliance with operation and maintenance requirements.

Based on inspection findings, all three SWM facilities owned and maintained by York College located at the York College Freshman Dorms, including Infiltration Basin #1, Rain Garden #1, and Rain Garden #2, were determined to be functioning properly and do not need any maintenance at this time. Therefore, York College's SWM facilities located at the York College Freshman Dorms are currently in compliance with the operation and maintenance agreement.

It should be noted that this letter does not relinquish you of your responsibility to maintain your stormwater facilities and to remain in compliance with the required operation and maintenance practices. If you have any questions or concerns, please do not hesitate to contact Mr. Derek Rinaldo, E.I.T., C.S. Davidson, Inc., at (717) 846-4805 or by email at djr@csdavidson.com.

Sincerely,

James E. Gross
Director of Public Works

JEG/DJR
Enclosures: February 13, 2013 Inspection Form
Copy: File

Telephone: 717-849-2245 *Facsimile: 717-845-7457* *Email: jgross@yorkcity.org*

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Site: York College Freshman Dorms
BMP: Infiltration Basin No. 1; Rain Garden No. 1 and No. 2
Date: 2/13/2013
Inspector: Steve H. Lehman

Earthen Components	Structural Components	On-going Maintenance Issues
☐ Downslope Berm Condition	☐ Outlet Structure	☐ Accumulation of Sediment
☐ Inside Berm Condition	☐ Pipe	☐ Trash
☐ Settlement	☐ Outlet Structure	☐ Specific Maintenance to Structural (See Attached)
☐ Vegetation	☐ Cleanouts	
☐ Bottom of Basin		

Comments:
Weather: Partly Cloudy, 28°
The basin is well established and stable with obvious vegetation. There is approximately 6 inches of standing water throughout the entire basin. The outlet structure is in good condition and free of debris.
Rain Garden No. 1 and No. 2 are established and stabilized with grassy berms and mulch bottoms. Inlet strucutres are free of debris with water quality snouts in place and obviously functioning properly. Outlet structures are also free of debris and are in good condition. As suggested previously, rip-rap has been placed on the bank of Rain Garden No. 2 and this has prevented erosion from the alley run-off.

Action Items (Determined From Inspection Notes):		
	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Photo Log:

Photo No. 1: Infiltration Basin 1

Photo No. 2: Infiltration Basin 1 (Outlet)

Photo No. 3: Rain Garden 1

Photo No. 4: Rain Garden 2

Photo Comments:

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Photo Log:

Photo No. 5: Rain Garden 2

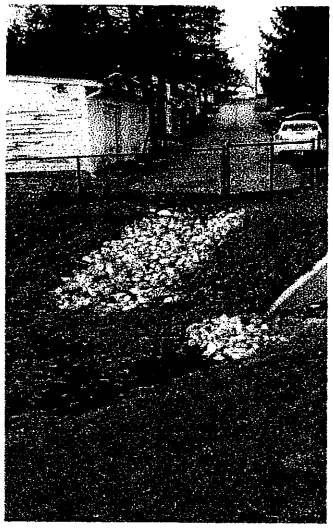


Photo Comments:

FLOODPLAIN NOTE

1. ALL SANITARY SEWER IMPROVEMENTS SHALL CONFORM TO SEWER AUTHORITY STANDARDS.
2. ALL SANITARY SEWER IMPROVEMENTS SHALL CONFORM TO THE SEWER AUTHORITY CONSTRUCTION AND MATERIALS SPECIFICATIONS UNLESS SPECIFIC WAIVERS HAVE BEEN GRANTED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE AWARE OF APPLICABLE STANDARDS AND SPECIFICATIONS AS WELL AS THE REQUIRED METHODS OF CONSTRUCTION. ALL DEVIATIONS FROM THE PLANS MUST BE APPROVED PRIOR TO CONSTRUCTION.
3. ALL PROPOSED SANITARY SEWER FACILITIES LOCATED ON THE YORK COLLEGE PROPERTY SHALL BE PRIVATELY OWNED, OPERATED AND MAINTAINED, UNLESS OTHERWISE NOTED.

STORM SEWER NOTE:

PIPE SIZES ARE SHOWN FOR ROOF DRAIN LEADERS ONLY. ALL OTHER STORM SEWER PIPE AND INLET INFORMATION IS SHOWN ON THE STORM SEWER PROFILE SHEETS. (LD.8 & LD.9)

SANITARY SEWER NOTES:

1. ALL SANITARY SEWER IMPROVEMENTS SHALL CONFORM TO SEWER AUTHORITY STANDARDS.
2. ALL SANITARY SEWER IMPROVEMENTS SHALL CONFORM TO THE SEWER AUTHORITY CONSTRUCTION AND MATERIALS SPECIFICATIONS UNLESS SPECIFIC WAIVERS HAVE BEEN GRANTED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE AWARE OF APPLICABLE STANDARDS AND SPECIFICATIONS AS WELL AS THE REQUIRED METHODS OF CONSTRUCTION. ALL DEVIATIONS FROM THE PLANS MUST BE APPROVED PRIOR TO CONSTRUCTION.
3. ALL PROPOSED SANITARY SEWER FACILITIES LOCATED ON THE YORK COLLEGE PROPERTY SHALL BE PRIVATELY OWNED, OPERATED AND MAINTAINED, UNLESS OTHERWISE NOTED.

LIGHTING NOTE:

ANY EXTERIOR LIGHTING MUST BE LOCATED AND SHIELDED SO THAT ANY OBJECTIONABLE ILLUMINATION OR GLARE IS DIRECTED AWAY FROM ADJOINING PROPERTIES AND STREET RIGHTS-OF-WAY.

POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) INSTALLATION CERTIFICATION

THE PERMITTEE/COPERMITTEE IS REQUIRED TO FILE A STATEMENT SIGNED BY A LICENSED PROFESSIONAL AND BY THE PERMITTEE CERTIFYING THAT THE WORK HAS BEEN COMPLETED IN ACCORDANCE WITH THE PERMIT CONDITIONS AND APPROVED PLANS. THE PERMITTEE/COPERMITTEE IS RESPONSIBLE FOR ENSURING THAT A LICENSED PROFESSIONAL HAS OVERSIGHT RESPONSIBILITIES FOR THE PROPER INSTALLATION OF PCSM BMP'S. IT IS THE RESPONSIBILITY OF THE PERMITTEE/COPERMITTEE TO NOTIFY THE LICENSED PROFESSIONAL PRIOR TO INSTALLATION OF THE PCSM BMP'S TO ENSURE

STORMWATER STRUCTURE

I-1	2X4 TYPE C
I-2	2X4 TYPE M
I-3	2X2 YARD INLET
I-4	2X2 YARD INLET
I-5	2X2 YARD INLET
I-6	2X2 YARD INLET
I-7	2X2 YARD INLET
I-8	2X2 YARD INLET
I-9	2X4 TYPE C (WATER QUALITY INLET BOX WITH SNOUT)
I-10	2X4 TYPE C (WATER QUALITY INLET BOX WITH SNOUT)
I-11	2X4 TYPE C (WATER QUALITY INLET BOX WITH SNOUT)
I-12	2X4 TYPE C (WATER QUALITY INLET BOX WITH SNOUT)

GRAPHIC SCALE

30' 0 15' 30' 60' 110'

(IN FEET)
1 inch = 30' feet

I:\Jobs 2010\2010.0097.01\Civil\CADD\2010009701.LD.dwg 11/10/10 10:58:26 AM EST

project name / owner

YORK COLLEGE OF PENNSYLVANIA

Student Residence Hall
York College - North Campus

725 Grantley Rd, York, PA 17403

York City & Spring Garden Township
York County, PA

seal / stamp

lscdesign
architects engineers

project team

Survey/ Site/ Architect:
LSC Design
1110 East Princess Street
York, PA 17403
(717) 845 - 8383

Landscape Architect:
Van Yahres Associates
800 East High Street
Charlottesville, VA 22902
(434) 295-4734

Traffic Engineer:
Transportation Research Group Inc.
204 N. George Street
York, PA 17401-1108
(717) 846-4660

revisions

no.	date	description
1	9.27.2010	General Revisions
2	10.1.2010	Rev Per City Eng Comments
3	10.11.2010	Remove Parking from Project
4	10.26.2010	Rev Per YCPC & Twp
5	11.01.2010	Rev Per City & Twp Eng
6	11.04.2010	Rev Planting Plan
7	11.09.2010	Rev Twp Easement

key plan

project north
See Plan

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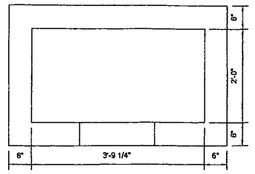
date: 7.30.2010
project mgr.: NJM

project no.
2010.0097.01

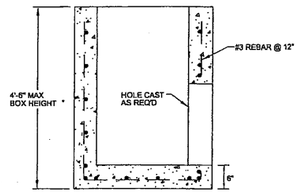
drawing set
Land Development Plan

drawing title
Residence Hall Grading, Drainage & Utility Plan

sheet no.
LD.5



-PLAN-

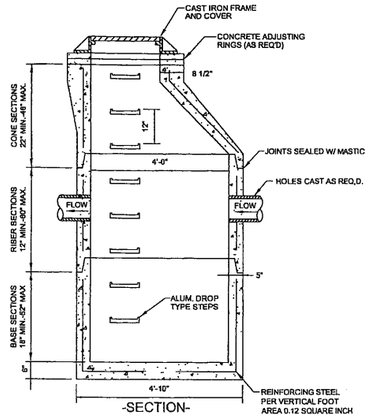


-SECTION-

* RISER SECTIONS AVAILABLE FROM 2' TO 48"

PRECAST INLET BOX 24" X 45" FOR PENNDOT INLET TOPS

NOT TO SCALE

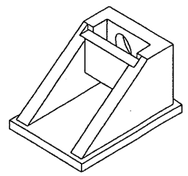


-SECTION-

NOTE: MEETS ASTM C-478 SPECIFICATIONS

PRECAST MANHOLE

NOT TO SCALE



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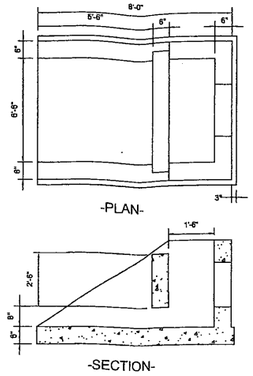
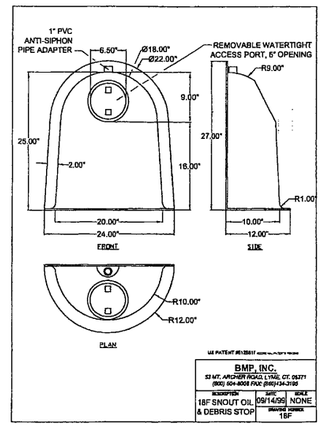


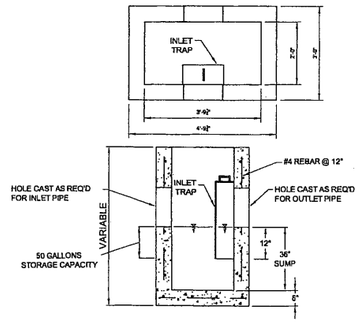
-PLAN-

-SECTION-

ENERGY DISSIPATOR 27" & 30" PIPES

NOT TO SCALE

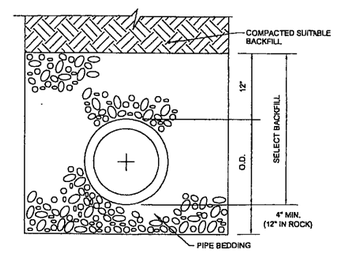




PRECAST WATER QUALITY INLET BOX 24" X 45" FOR PENNDOT INLET TOPS

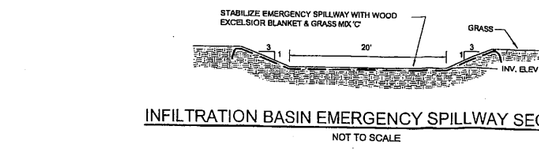
NOT TO SCALE

(INLETS 9, 10, 11 & 12)



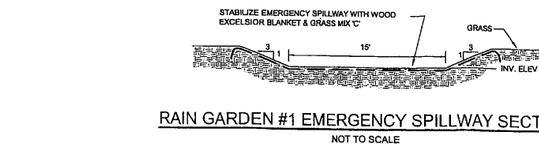
PIPE BEDDING DETAIL

NOT TO SCALE



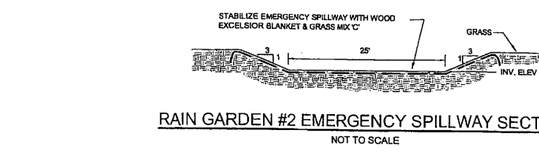
INFILTRATION BASIN EMERGENCY SPILLWAY SECTION

NOT TO SCALE



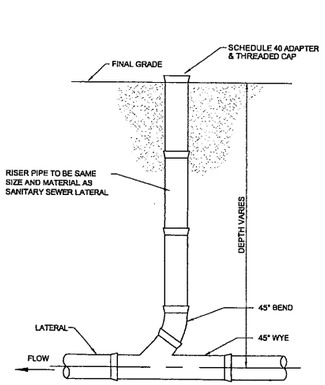
RAIN GARDEN #1 EMERGENCY SPILLWAY SECTION

NOT TO SCALE



RAIN GARDEN #2 EMERGENCY SPILLWAY SECTION

NOT TO SCALE

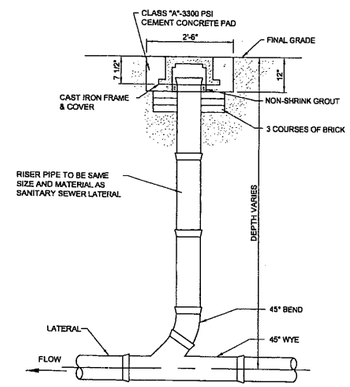


NOTES

1. Vertical pipe of clean-out shall be plugged with approved watertight plug as directed by the Engineer.
2. Clean-outs are required every 50 ft. for 4" laterals, every 100 ft. for 6" laterals, and at every 90° change of direction.

CLEAN-OUT DETAIL (NON-TRAFFIC AREAS)

NOT TO SCALE



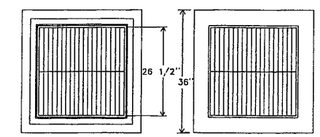
NOTES

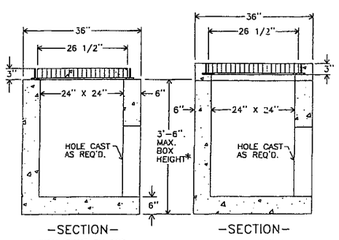
1. Vertical pipe of clean-out shall be plugged with approved watertight plug as directed by the Engineer.
2. Clean-outs are required every 50 ft. for 4" laterals, every 100 ft. for 6" laterals, and at every 90° change of direction.

CLEAN-OUT DETAIL (TRAFFIC AREAS)

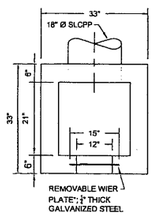
NOT TO SCALE

MONARCH PRODUCTS COMPANY, INC.
YORK HAVEN, PA.



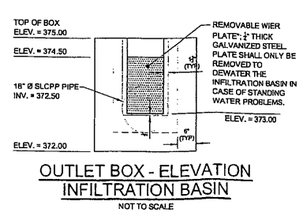


*RISER SECTIONS AVAILABLE



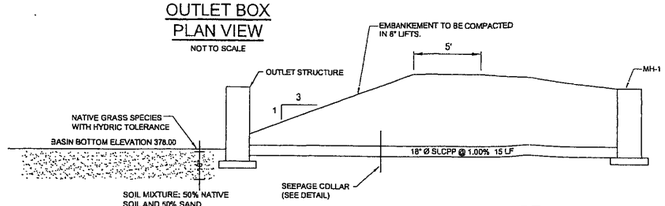
OUTLET BOX PLAN VIEW

NOT TO SCALE

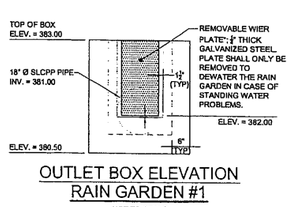


OUTLET BOX - ELEVATION INFILTRATION BASIN

NOT TO SCALE

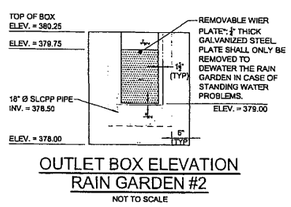


INFILTRATION BASIN DETAIL



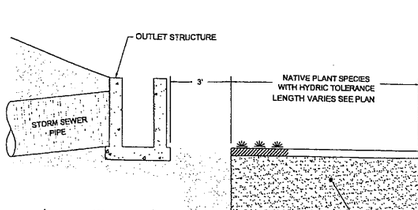
OUTLET BOX ELEVATION RAIN GARDEN #1

NOT TO SCALE



OUTLET BOX ELEVATION RAIN GARDEN #2

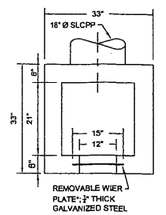
NOT TO SCALE



PROFILE

RAIN GARDEN #1 & #2 DETAIL

NOT TO SCALE



OUTLET BOX PLAN VIEW

project name / owner

YORK COLLEGE OF PENNSYLVANIA

Student Residence Hall
York College - North Campus

725 Grantley Rd, York, PA 17403

York City & Spring Garden Township
York County, PA

seal / stamp

lscdesign
architects engineers

project team

Survey/ Site/ Architect:

LSC Design
1110 East Princess Street
York, PA 17403
(717) 845 - 8383

Landscape Architect:

Van Yahres Associates
800 East High Street
Charlottesville, VA 22902
(434) 295-4734

Traffic Engineer:

Transportation Research Group Inc.
204 N. George Street
York, PA 17401-1108
(717) 846-4660

revisions

no.	date	description
1	9.27.2010	General Revisions
2	10.1.2010	Rev Per City Eng Comments
3	10.11.2010	Remove Parking from Project
4	10.25.2010	Rev Per YCPC & Twp
5	11.01.2010	Rev Per City & Twp Eng
6	11.04.2010	Rev Planting Plan
7	11.09.2010	Rev Twp Easement

key plan

project north

See Plan

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date	project mgr.
7.30.2010	NJM

project no.

2010.0097.01

drawing set

Land Development Plan

drawing title

Detail Sheet 3

sheet no.

2010\2010.0097.01\CivilCAD\2010097101 LD.dwg 11/10/10 11:02:23 AM EST

The City of York
Pennsylvania

*101 S George Street * P.O. Box 509 * York PA 17405*

www.yorkcity.org

Honorable C. Kim Bracey, Mayor

James E Gross
Director
Department of Public Works

April 2, 2013

Mr. Tim Graehling
United Refrigeration, Inc.
1030 Vogelsong Road
York, PA 17401

RE: United Refrigeration, Inc.
Stormwater Management Facility Required Corrective Actions

Dear Mr. Graehling:

The City of York's designated engineer, C.S. Davidson, Inc., conducted an inspection of your stormwater management (SWM) facility, as required by §943.04 of the City of York Code, on February 12, 2013. The inspection was conducted to determine if your SWM facilities are in compliance with operation and maintenance requirements.

Based on inspection findings, the following corrective actions are required to be completed by **June 14, 2013**:

1. Remove accumulated sediment and stone in front of the orifice of the outlet structure (Photo No. 1).
2. Stabilize the area around the outlet structure with well-established grass. This includes the bank to the south of the outlet structure and the area to the north and east (Photo No. 1).

The specific locations of the features described above are highlighted on the enclosed site plan. The February 12, 2013 inspection form is enclosed for your records.

Maintenance of SWM facilities is required under Article 940 of the City of York Code. Failure to comply may result in civil enforcement action as permitted under §943 of the City of York Code, which may include a monetary penalty.

After the above corrective actions are complete, contact Mr. Derek Rinaldo, E.I.T., C.S. Davidson, Inc., to schedule a follow-up inspection at (717) 846-4805 or by email at djr@csdavidson.com. Please do not hesitate to contact Mr. Rinaldo should you have any questions concerning the required corrective actions.

Sincerely,

James E. Gross
Director of Public Works

JML/DJR
Enclosures: February 12, 2013 Inspection Form
United Refrigeration, Inc.
Copy: File

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Site: United Refrigeration
BMP: Basin
Date: 2/12/2013
Inspector: Steve H. Lehman

Earthen Components	Structural Components	On-going Maintenance Issues
☐ Downslope Berm Condition	☐ Outlet Structure	☐ Accumulation of Sediment
☐ Inside Berm Condition	☐ Pipe	☐ Trash
☐ Settlement	☐ Outlet Structure	☐ Specific Maintenance to Structural (See Attached)
☐ Vegetation	☐ Cleanouts	
☐ Bottom of Basin		

Comments:
Weather: Mostly Cloudy, 43°
A rain event occurred the morning of 2/11/13.
The basin and surrounding swales that feed the basin are all well stabilized with grass present.
The area (bank) around the outlet structure could use additional stabilization to prevent erosion and also to prevent stone and debris from entering the strucutre and possibly clogging the outlet pipe.
There is an accumulation of sediment and stone in front of the orifice of the outlet structure.

Action Items (Determined From Inspection Notes):		
Remove sediment and stone from the area in front of the orifice of the outlet structure (Photo Nos. 1-2).	Completion Date:	Initials:
Stabilize the area around the outlet structure (Photo No. 3).	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Photo Log:

Photo No. 1:

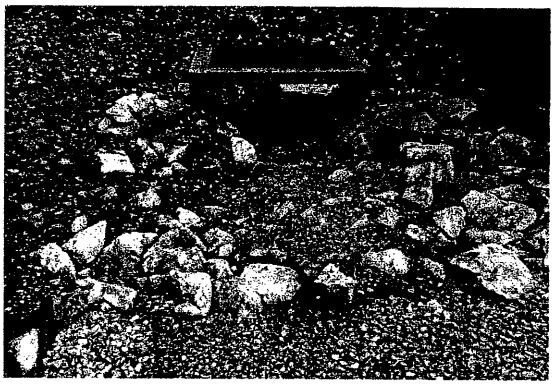


Photo No. 2:

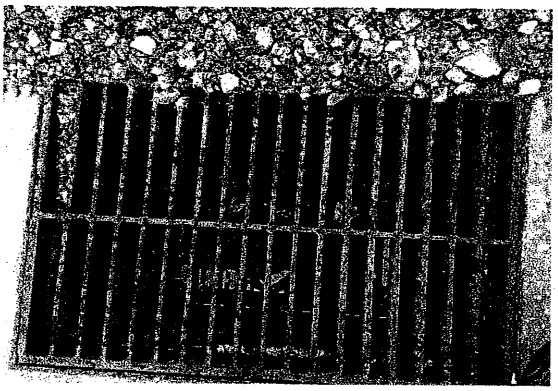


Photo No. 3:

Photo No. 4:

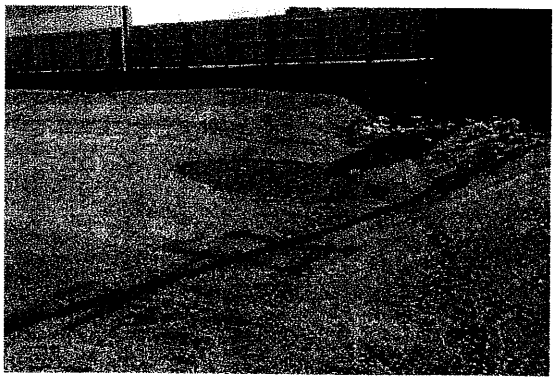
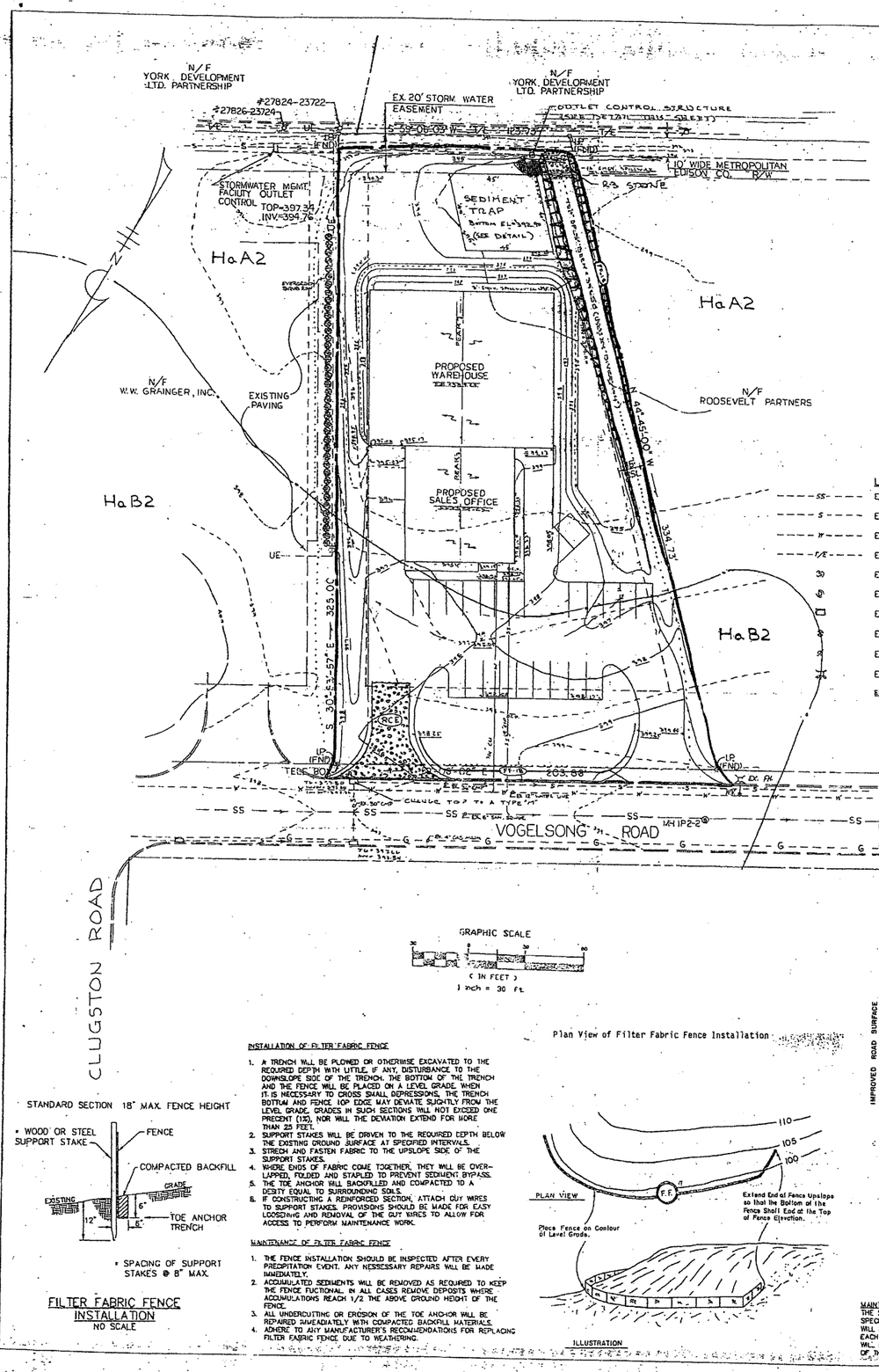


Photo Comments:



GRAPHIC SCALE

(IN FEET)

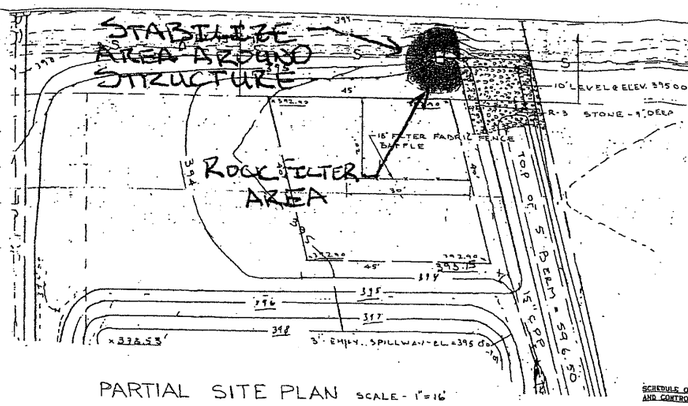
1 inch = 30 ft.

LEGEND

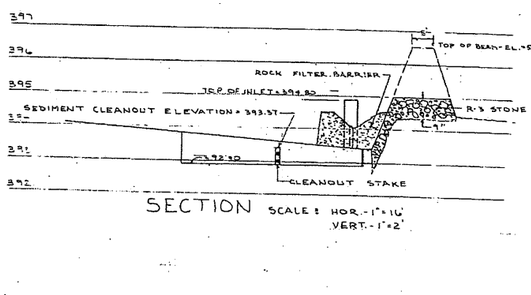
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. WATER
- EX. OVERHEAD TELE./ELEC.
- EX. SANITARY MANHOLE
- EX. STORM MANHOLE
- EX. INLET
- EX. WATER VALVE
- EX. UTILITY POLE
- EX. FIRE HYDRANT

EROSION & SEDIMENT POLLUTION CONTROL LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- SOIL BOUNDARY
- DRAINAGE AREA
- CONSTRUCTION LIMITS
- FILTER FABRIC FENCE
- EMBANKMENT
- ROCK CONSTRUCTION ENTRANCE
- ROCK FILTER BARRIER



PARTIAL SITE PLAN SCALE - 1"=16'



SECTION SCALE: HOR.-1"=10'
VERT.-1"=2'

SCHEDULE OF EARTHMOVING ACTIVITIES AND INSTALLATION OF CONTROL MEASURES AND CONTROL FACILITIES

March 1 to March 7, 1995:

Install the erosion and sediment pollution control measures - rock construction entrance, filter fabric fence, diversion dike, the Outlet Control Structure, rock filter barrier, and riprap apron, as shown on the E & S.P. Control Plan.

March 8 to March 14, 1995:

Strip topsoil, stockpiling enough to dress up disturbed areas, placing it in locations shown on plan, hauling remainder offsite. Begin filling operation, initially concentrating on the building. Begin construction of the footers and walls of the proposed building, weather permitting.

March 15, 1995 to April 15, 1995:

Continue construction of new building and filling operation, installing 15" CPP on west side of building when fill is deep enough. Topsoil, seed, and mulch areas as they are brought to grade. Install sewer and water services to building. Stone areas to be paved when those areas are at grade and utilities are in place.

April 16 to September 1, 1995:

Continue building construction. When exterior of building is finished, touch up any previously seeded area and reseed. Fill in area over-excavated for sediment basin, topsoil, seed, and mulch. Remove rock filter barrier, begin paving operation. When paving is complete, dress up any disturbed areas, adding topsoil where needed. Seed remaining areas, using permanent seeding specifications on the detail sheet, and mulch.

If the project must be suspended for over twenty consecutive days, interim stabilization and control measures will implemented. These measures include temporary seeding and mulching.

Erosion and sediment pollution (E&SP) control measures will be maintained throughout the life of the project. Inspections will be made weekly and after every storm of any consequence. Accumulated sediments will be removed as required to keep the fabric fence and sediment basin operational - remove deposits when the sediment reaches one-half the above ground height of the fence and the cleanout elevation on the stake in the bottom of the trap.

NON-VEGETATIVE SURFACE STABILIZATION

PROJECT NAME: UNITED REFRIGERATION, INC.
LOCATION: YORK CITY, YORK COUNTY
PREPARED BY: GDF — SHEET # 1 OF 1
CHECKED BY:

SPECIFICATIONS: Non-vegetative surface stabilization (mulching) shall consist of the placing of specified materials directly upon exposed earth surfaces, with or without vegetative plantings, to prevent wash of the exposed surfaces. Non-vegetative stabilization is usually employed as an interim stabilization measure in conjunction with both temporary and permanent seeding of disturbed earth surfaces. However, these plantings may be considered permanent if rock, heavy gravels, or other similar permanent materials are used and an active maintenance program is followed. For mulching specifications, reference may be made to the Penn State Agronomy Guide or section 805 of PennDoT's Publication 408. Upon selection of a reference, or by individual development by the plan preparer, the following Specification will exist for this project:

TEMPORARY:
MULCH TYPE: GRASS HAY
MULCHING RATE: 6000 lbs./ 1 ACRE
ANCHOR MATERIAL: CELLULOSE FIBER
ANCHORING METHOD: HYDRAULIC SEEDING EQUIPMENT
RATE OF ANCHOR MATERIAL APPL.: 800 lbs./ 1 ACRE

PERMANENT:
MATERIAL TYPE: N/A
SIZE OR GRADATION:
APPLICATION RATE: tons/ SF/ACRE

TEMPORARY AND PERMANENT SEEDING SPECIFICATIONS

PROJECT NAME: UNITED REFRIGERATION, INC.
LOCATION: YORK CITY, YORK COUNTY
PREPARED BY: GDF — SHEET # 1 OF 1
CHECKED BY:

SPECIFICATIONS: The Department recommends the use of the Penn State Agronomy Guide as the standard to use for the selection of species, seed specifications, mixtures, liming and fertilizer, time of seeding, and seeding methods. Specifications for these items may also be from PennDoT's publication # 408, Section 804 or by contacting the applicable county conservation district. Upon selection of a reference, or by individual development by the plan preparer, the following Specification will exist for this project:

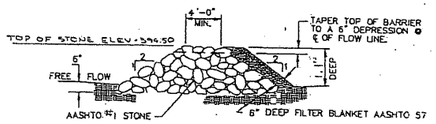
SOURCE OF SPECIFICATIONS: PENN STATE AGRONOMY GUIDE (1985-1992)

(Temporary)
SPECIES+: ANNUAL RYE GRASS
X PURE LIVE SEED: 81 X
APPLICATION RATE: 40 LBS./ACRE
FERTILIZER TYPE: (X-X-X)
FERTILIZER APPL. RATE: 50-26-50 LBS./ACRE
LIMING RATE: 2000 LBS./ACRE
FINAL DATE FOR SEEDING: NOVEMBER 1

(Permanent)
SPECIES+: SPRING OATS
SPECIES+: KENTUCKY 31 TALL FESCUE
SPECIES+: RED TOP
X PURE LIVE SEED: SPRING OATS - 74 X
X PURE LIVE SEED: KENTUCKY 31 - 74 X
X PURE LIVE SEED: RED TOP - 83 X
APPLICATION RATE: SPRING OATS - 2 bu LBS/AC
APPLICATION RATE: KEN. 31 - 50 LBS/AC
APPLICATION RATE: RED TOP - 3 LBS/AC
FERTILIZER TYPE: X-X-X
FERTILIZER APPL. RATE: 50-50-50 LBS./ACRE
LIMING RATE: 12,000 LBS./ACRE
FINAL DATE FOR SEEDING: OCTOBER 15

+ If more than one species is used, indicate application rate for each.

MULCH FOR PERMANENT SEEDING -
MULCH TYPE: GRASS HAY OR STRAW
MULCHING RATE: 6000 lbs./ 1 ACRE
ANCHOR MATERIAL: CELLULOSE FIBER
ANCHORING METHOD: HYDRAULIC SEEDING EQUIPMENT
RATE OF ANCHOR MATERIAL APPL.: 800 lbs./ 1 ACRE



ROCK BARRIER DETAIL
NO SCALE

THIS PLAN SHALL BE USED FOR EROSION AND SEDIMENTATION POLLUTION CONTROL ONLY!

NOTES:

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE YORK COUNTY CONSERVATION DISTRICT THREE (3) DAYS PRIOR TO THE START AND END OF CONSTRUCTION.

   YORK COUNTY CONSERVATION DISTRICT
   118 PLEASANT ACRES ROAD
   YORK, PA. 17402
   (717) 771-9430

2. A COPY OF THE EROSION AND SEDIMENTATION CONTROL PLAN MUST BE AVAILABLE AT THE SITE OF THE EARTHMOVING ACTIVITY DURING CONSTRUCTION AND UNTIL THE SITE IS STABILIZED.

3. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF EROSION CONTROL FACILITIES AND THE PROPER DISPOSAL OF SEDIMENT FROM SUCH FACILITIES. FACILITIES SHOULD BE CHECKED AFTER EACH STORM.

4. ADDITIONAL EROSION CONTROLS SHALL BE INSTALLED WHERE NECESSARY OR AS DIRECTED BY THE YORK COUNTY CONSERVATION DISTRICT OR D.E.R. AS CONSTRUCTION PROGRESSES.

AS THE ROUGH GRADING PROCESS IS BEING COMPLETED ALL UNPAVED AREAS SHALL BE SEEDED IMMEDIATELY.

IF SEEDING IS NOT POSSIBLE, SWALES AND ALL OTHER DISTURBED AREAS THAT WOULD NORMALLY BE SEEDED MUST BE COVERED WITH MULCH OR EROSION CONTROL BLANKETS UNTIL SEEDING IS EFFECTIVE.

TEMPORARY COVER SHALL BE USED AS A SOIL EROSION AND SEDIMENT POLLUTION MEASURE UNTIL A PERMANENT COVER IS ESTABLISHED.

EQUIVALENT SEED MIXTURES AND APPLICATION RATES MAY BE USED PROVIDING THEY ARE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

STANDARD SECTION 18" MAX. FENCE HEIGHT

FILTER FABRIC FENCE INSTALLATION
NO SCALE

INSTALLATION OF FILTER FABRIC FENCE

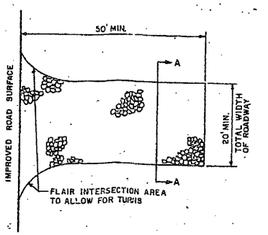
1. A TRENCH WILL BE PLOWED OR OTHERWISE EXCAVATED TO THE REQUIRED DEPTH WITH LITTLE, IF ANY, DISTURBANCE TO THE DOWNSLOPE SIDE OF THE TRENCH. THE BOTTOM OF THE TRENCH AND THE FENCE WILL BE PLACED ON A LEVEL GRADE. WHEN IT IS NECESSARY TO CROSS SMALL DEPRESSIONS, THE TRENCH BOTTOM AND FENCE TOP EDGE MAY DEVIATE SLIGHTLY FROM THE LEVEL GRADE. GRADES IN SUCH SECTIONS WILL NOT EXCEED ONE PERCENT (1%), NOR WILL THE DEVIATION EXTEND FOR MORE THAN 25 FEET.
2. SUPPORT STAKES WILL BE DRIVEN TO THE REQUIRED DEPTH BELOW THE EXISTING GROUND SURFACE AT SPECIFIED INTERVALS.
3. STRETCH AND FASTEN FABRIC TO THE UPSLOPE SIDE OF THE SUPPORT STAKES.
4. WHERE ENDS OF FABRIC COME TOGETHER, THEY WILL BE OVER-LAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.
5. THE TOE ANCHOR WILL BACKFILLED AND COMPACTED TO A DENSITY EQUAL TO SURROUNDING SOILS.
6. IF CONSTRUCTING A REINFORCED SECTION, ATTACH GUY WIRES TO SUPPORT STAKES. PROVISIONS SHOULD BE MADE FOR EASY LOOSENING AND REMOVAL OF THE GUY WIRES TO ALLOW FOR ACCESS TO PERFORM MAINTENANCE WORK.

MAINTENANCE OF FILTER FABRIC FENCE

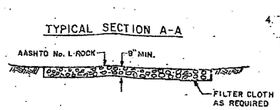
1. THE FENCE INSTALLATION SHOULD BE INSPECTED AFTER EVERY PRECIPITATION EVENT. ANY NESSESSARY REPAIRS WILL BE MADE IMMEDIATELY.
2. ACCUMULATED SEDIMENTS WILL BE REMOVED AS REQUIRED TO KEEP THE FENCE FUCTIONAL. IN ALL CASES REMOVE DEPOSITS WHERE ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FENCE.
3. ALL UNDERCUTTING OR EROSION OF THE TOE ANCHOR WILL BE REPAIRED IMMEDIATELY WITH COMPACTED BACKFILL MATERIALS.
4. ADHERE TO ANY MANUFACTURER'S RECOMMENDATIONS FOR REPLACING FILTER FABRIC FENCE DUE TO WEATHERING.

Plan View of Filter Fabric Fence Installation

ILLUSTRATION



TYPICAL SECTION A-A



ROCK CONSTRUCTION ENTRANCE
NO SCALE

MAINTENANCE OF ROCK CONSTRUCTION ENTRANCE
THE STRUCTURE'S THICKNESS WILL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSION BY ADDING ROCK. A STOCKPILE OF ROCK MATERIAL WILL BE MAINTAINED ON THE SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PUBLIC ROADWAYS, WIL. BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. WASHING OF THE ROADWAY WITH WATER IS NOT PERMITTED.

NO.	REVISIONS	BY	Date

Designed By: W.T.D. Date: 12-7-94 Approved By: Date:

CONEWAGO ENTERPRISES, INC.
INDUSTRIAL CONSTRUCTION
P.O. BOX 407
HANOVER, PA. 17331
PHONE: (717) 632-7722
FAX: (717) 632-8665

LAND DEVELOPMENT PLAN FOR
UNITED REFRIGERATION, INC.
VOGELSONG ROAD
YORK CITY

EROSION CONTROL PLAN

YORK CO., PA.

PROJECT NO. 2525

SHEET NO. 3 OF 3

SCALE: 1" = 30'

FILE NO. D-453

The City of York
Pennsylvania

*101 S George Street * P.O. Box 509 * York PA 17405*

www.yorkcity.org

Honorable C. Kim Bracey, Mayor

James E Gross
Director
Department of Public Works

April 2, 2013

Mr. Thomas E. Ruszin III
Royal Farms
3611 Roland Avenue
Baltimore, MD 21211

RE: Royal Farms - 1170 Loucks Road, York, PA
Stormwater Management Facility Required Corrective Actions

Dear Mr. Ruszin:

The City of York's designated engineer, C.S. Davidson, Inc., conducted an inspection of your stormwater management (SWM) facility, as required by §943.04 of the City of York Code, on February 12, 2013. The inspection was conducted to determine if your SWM facilities are in compliance with operation and maintenance requirements.

Based on inspection findings, the following corrective actions are required to be completed by **June 14, 2013**:

1. Remove debris and accumulated oil from Inlet I-1 and I-2 (Photo Nos. 1&2).

The specific locations of the features described above are highlighted on the enclosed site plan. The February 12, 2013 inspection form is enclosed for your records.

Maintenance of SWM facilities is required under Article 940 of the City of York Code. Failure to comply may result in civil enforcement action as permitted under §943 of the City of York Code, which may include a monetary penalty.

After the above corrective actions are complete, contact Mr. Derek Rinaldo, E.I.T., C.S. Davidson, Inc., to schedule a follow-up inspection at (717) 846-4805 or by email at djr@csdavidson.com. Please do not hesitate to contact Mr. Rinaldo should you have any questions concerning the required corrective actions.

Sincerely,

James E. Gross
Director of Public Works

JML/DJR
Enclosures: February 12, 2013 Inspection Form
Royal Farms Grading & Utility Plan
Copy: File

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Site: Royal Farms
BMP: Snout (Inlet I-1, I-2)
Date: 2/12/2013
Inspector: Steve H. Lehman

Earthen Components	Structural Components	On-going Maintenance Issues
☐ Downslope Berm Condition	☐ Outlet Structure	☐ Accumulation of Sediment
☐ Inside Berm Condition	☐ Pipe	☐ Trash
☐ Settlement	☐ Outlet Structure	☐ Specific Maintenance to Structural (See Attached)
☐ Vegetation	☐ Cleanouts	
☐ Bottom of Basin		

Comments:
Weather: Mostly Cloudy, 43°
A rain event occurred on 2/11/13 in the early morning.
Inlet I-1 has visible water and oil accumulation on the surface. There is no debris present.
Inlet I-2 has visible water with oil accumulation on the surface. There is some debris present, but it is not a significant amount.

Action Items (Determined From Inspection Notes):		
Remove debris and oil from Inlet I-1 and I-2 (Photo Nos. 1&2).	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Photo Log:

Photo No. 1:

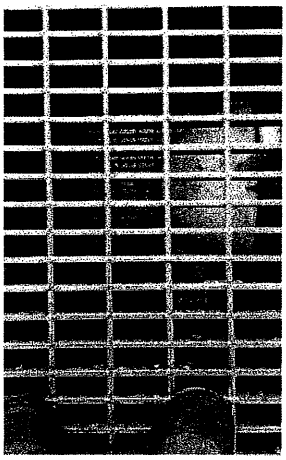


Photo No. 2:

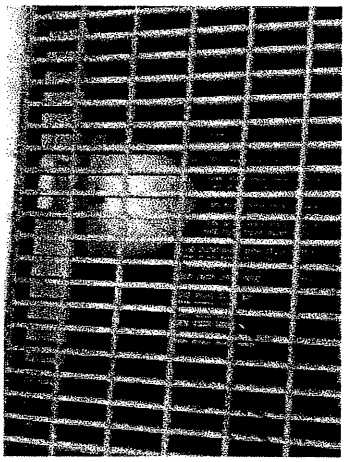
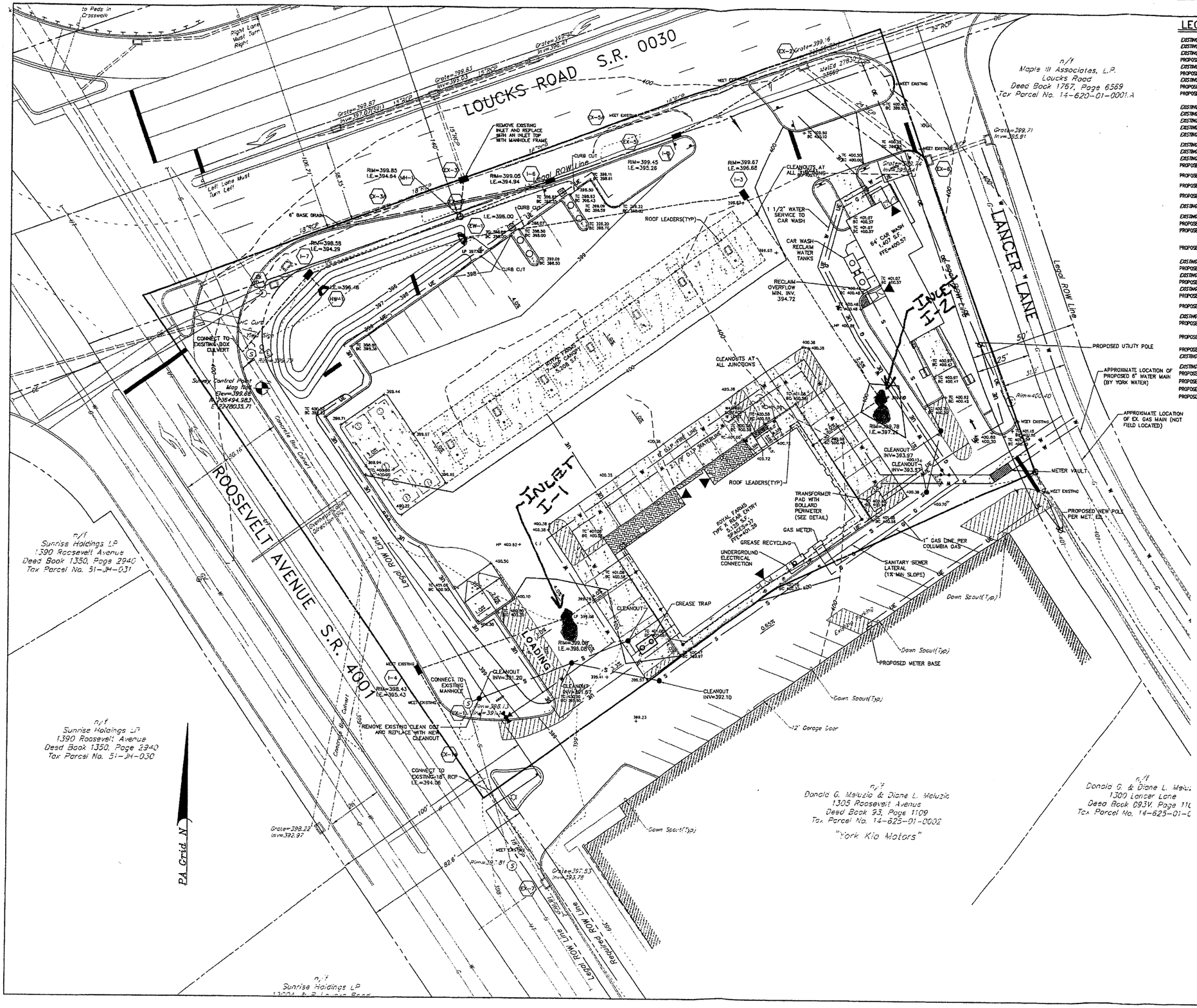


Photo Comments:



LEGEND

- EXISTING BOUNDARY LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING CURB
- PROPOSED CURB
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- EXISTING CONTOUR LINE — 300 —
- PROPOSED CONTOUR LINE — 300 —
- PROPOSED SPOT ELEVATION + 300.00
- EXISTING UTILITY POLE
- EXISTING OVERHEAD TELEPHONE LINE — OT —
- EXISTING UNDERGROUND TELEPHONE LINE — UT —
- EXISTING OVERHEAD ELECTRIC LINE — OE —
- EXISTING WELL
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER LINE — W —
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED THRUST BLOCK
- PROPOSED WATER LINE — W —
- EXISTING SANITARY SEWER MANHOLE (S)
- EXISTING SANITARY SEWER LINE — S —
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER LINE — S —
- PROPOSED SANITARY SEWER STRUCTURE LABEL MH 10
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM INLET
- PROPOSED STORM INLET
- EXISTING STORM HEADWALL/ENDWALL
- PROPOSED STORM HEADWALL/ENDWALL
- PROPOSED PIPE OUTLET PROTECTION
- EXISTING STORM PIPE 18" RCP
- PROPOSED STORM PIPE
- PROPOSED STORM STRUCTURE LABEL I-50
- PROPOSED FINISHED FLOOR ELEVATION FFE=500.00
- EXISTING GAS LINE — G —
- EXISTING GAS VALVE
- PROPOSED GAS LINE — G —
- PROPOSED OVERHEAD ELECTRIC — OE —
- PROPOSED UNDERGROUND ELECTRIC — E —
- PROPOSED UTILITY POLE

NO.	DATE	REVISION
10	12/8/11	RECORDING SET FOR YORK COUNTY
9	9/22/10	REVISED PER YCCD COMMENTS
8	8/27/10	REVISED PER CITY ENGINEER COMMENTS
7	7/27/10	REVISED PER CITY ENGINEER COMMENTS
6	6/21/10	REVISED PER YCCD COMMENTS
5	4/21/10	REVISED PER CITY ENGINEER LETTER 3/4/10
4	3/12/10	EAS SUBMISSION
3	2/24/10	EAS SUBMISSION
2	2/1/10	REVISED PER CITY COMMENTS
1	12/4/09	REVISED PER CITY COMMENTS

FOR RETTEW ASSOCIATES BY:

MANAGER: SETH S. SHAFER
DESIGN BY: ASN | CHKD BY: SSS
SURV. CHIEF: | FIELDBOOK NO. DATA COLLECTOR
DRAWN BY: ASN | CHKD BY: SSS
XREFS:
DRAWING REFERENCE: J:\DWGS\09685-001\Civil\09-07685-001-01-Grade & Util.dwg

CLIENT
ROYAL FARMS
ATTN: JEFF BAINBRIDGE
3611 ROLAND AVENUE
BALTIMORE, MD 21211
410.889.0200

SCALE 1"=20' (0, 10', 20', 40')

RETTEW
RETTEW Associates, Inc.
3020 Columbia Avenue
Chambersburg, PA 17201
Phone (717) 264-8020 · Fax (717) 264-8556
Email: rettew@rettew.com · Website: www.rettew.com
Engineers · Planners · Surveyors · Landscape Architects
Environmental Consultants

GRADING & UTILITY PLAN
PRELIMINARY/FINAL LAND DEVELOPMENT PLAN
FOR
ROYAL FARMS
LOUCKS ROAD
CITY OF YORK — YORK COUNTY, PA

DATE: 10/09/09
SHEET NO. 4 OF 13
DWG. NO. 09-07685-001

NOT FOR CONSTRUCTION/NOT FOR BIDDING

The City of York
Pennsylvania

*101 S George Street * P.O. Box 509 * York PA 17405*

www.yorkcity.org

Honorable C. Kim Bracey, Mayor

James E Gross
Director
Department of Public Works

April 2, 2013

Mr. Craig Wolf
The York Housing Authority
31 South Broad Street
York, PA 17403

RE: Parkway Homes - Stormwater Management Facility Required Corrective Actions

Dear Mr. Wolf:

The City of York's designated engineer, C.S. Davidson, Inc., conducted an inspection of your stormwater management (SWM) facility, as required by §943.04 of the City of York Code, on February 12, 2013. The inspection was conducted to determine if your SWM facilities are in compliance with operation and maintenance requirements.

Based on inspection findings, the following corrective actions are required to be completed by **June 14, 2013**:

Infiltration Basin No. 1

1. There were no deficiencies noted with this stormwater management facility.

Infiltration Basin No. 2:

1. Repair the 4" PVC outlet pipe at both ends on the southwestern end of the basin.
2. Remove the debris and sediment clogging the 4" PVC outlet pipe.
3. Expose the end of the 4" perforated pipe on the creek bank as indicated on the design plans.

The specific locations of the features described above are highlighted on the enclosed site plan. The February 12, 2013 inspection form is enclosed for your records.

Infiltration Trench

1. There were no deficiencies noted with this stormwater management facility.

Maintenance of SWM facilities is required under Article 940 of the City of York Code. Failure to comply may result in civil enforcement action as permitted under §943 of the City of York Code, which may include a monetary penalty.

After the above corrective actions are complete, contact Mr. Derek Rinaldo, E.I.T., C.S. Davidson, Inc., to schedule a follow-up inspection at (717) 846-4805 or by email at djr@csdavidson.com. Please do not hesitate to contact Mr. Rinaldo should you have any questions concerning the required corrective actions.

Sincerely,

James E. Gross
Director of Public Works

JML/DJR
Enclosures: February 12, 2013 Inspection Form
Parkway Homes Office Building Utility and Grading Plan
Copy: File

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Site: Parkway Homes
BMP: Infiltration Basin No. 1 and 2; Infiltration Trench
Date: 2/12/2013
Inspector: Steve H. Lehman

Earthen Components	Structural Components	On-going Maintenance Issues
☐ Downslope Berm Condition	☐ Outlet Structure	☐ Accumulation of Sediment
☐ Inside Berm Condition	☐ Pipe	☐ Trash
☐ Settlement	☐ Outlet Structure	☐ Specific Maintenance to Structural (See Attached)
☐ Vegetation	☐ Cleanouts	
☐ Bottom of Basin		

Comments:
Weather: Mostly Cloudy, 48°
A rain event occurred during the early morning on 2/11/13.
Infiltration Basin No. 1 is well stabilized with grass. The 6 inch diameter PVC outlet pipe is clear
and daylighted to the creek bank. The perforated pipe is also visibly daylighted at the creek bank.
Infiltration Basin No. 2 is well stabilized with grass. The 4 inch diameter PVC outlet pipe is broken
at both ends, most likely from mowing. It is also clogged with debris. The 4 inch diameter
perforated pipe is not visible on the creek bank.
The stone infiltration trench is in good condition.

Action Items (Determined From Inspection Notes):		
Repair the PVC outlet pipe at both ends (Photo No. 1).	Completion Date:	Initials:
Remove debris and sediment clogging the 4" PVC outlet pipe.	Completion Date:	Initials:
Expose the 4" perforated pipe on the creek bank.	Completion Date:	Initials:
	Completion Date:	Initials:

C.S.Davidson, Inc.

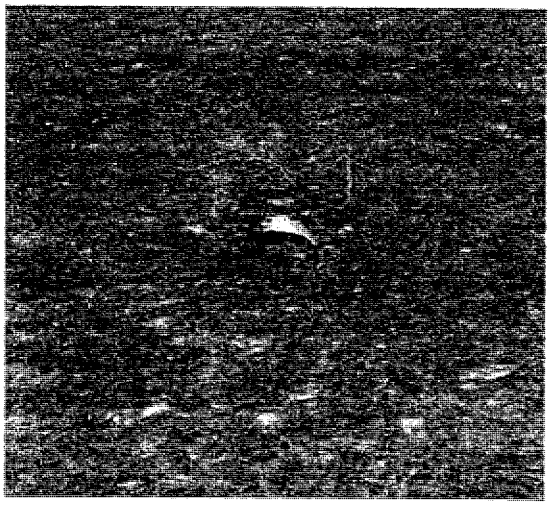
Excellence in Civil Engineering

City of York BMP Inspection Form

Photo Log:

Photo No. 1:

Photo No. 2:



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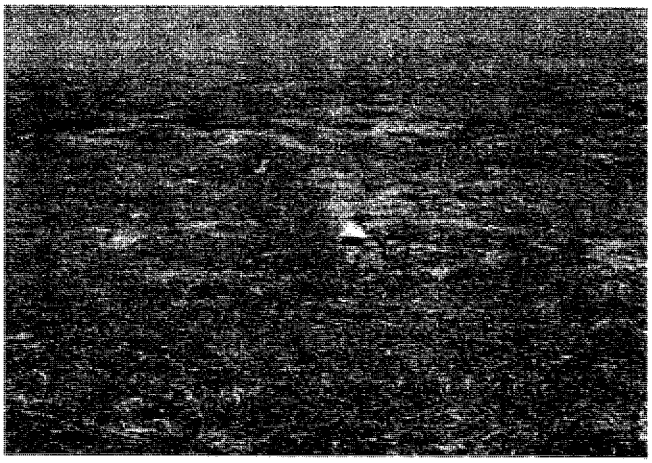

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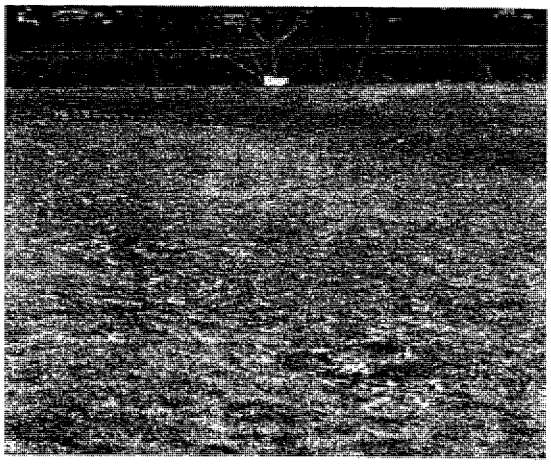

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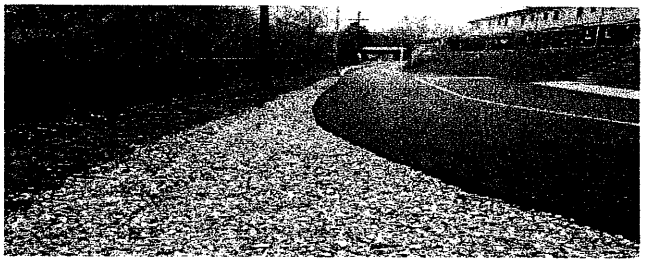
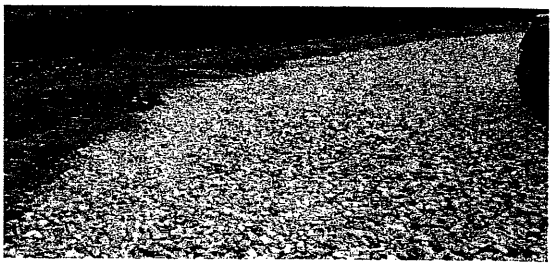


Photo No. 6:



PIPE RUN CHART

PIPE RUN	SIZE	MATERIAL	LENGTH	SLOPE
CB#1 TO CB#2	12"#	PERF. PVC	11'	0.50%
CB#2 TO JB#3	12"#	PERF. PVC	24'	0.50%
CB#3 TO JB#2	12"#	PERF. PVC	67'	0.50%
JB#3 TO JB#2	8"#	PERF. PVC	96'	0.50%
JB#2 TO JB#1	8"#	CPP	20'	5.15%

INLET CHART

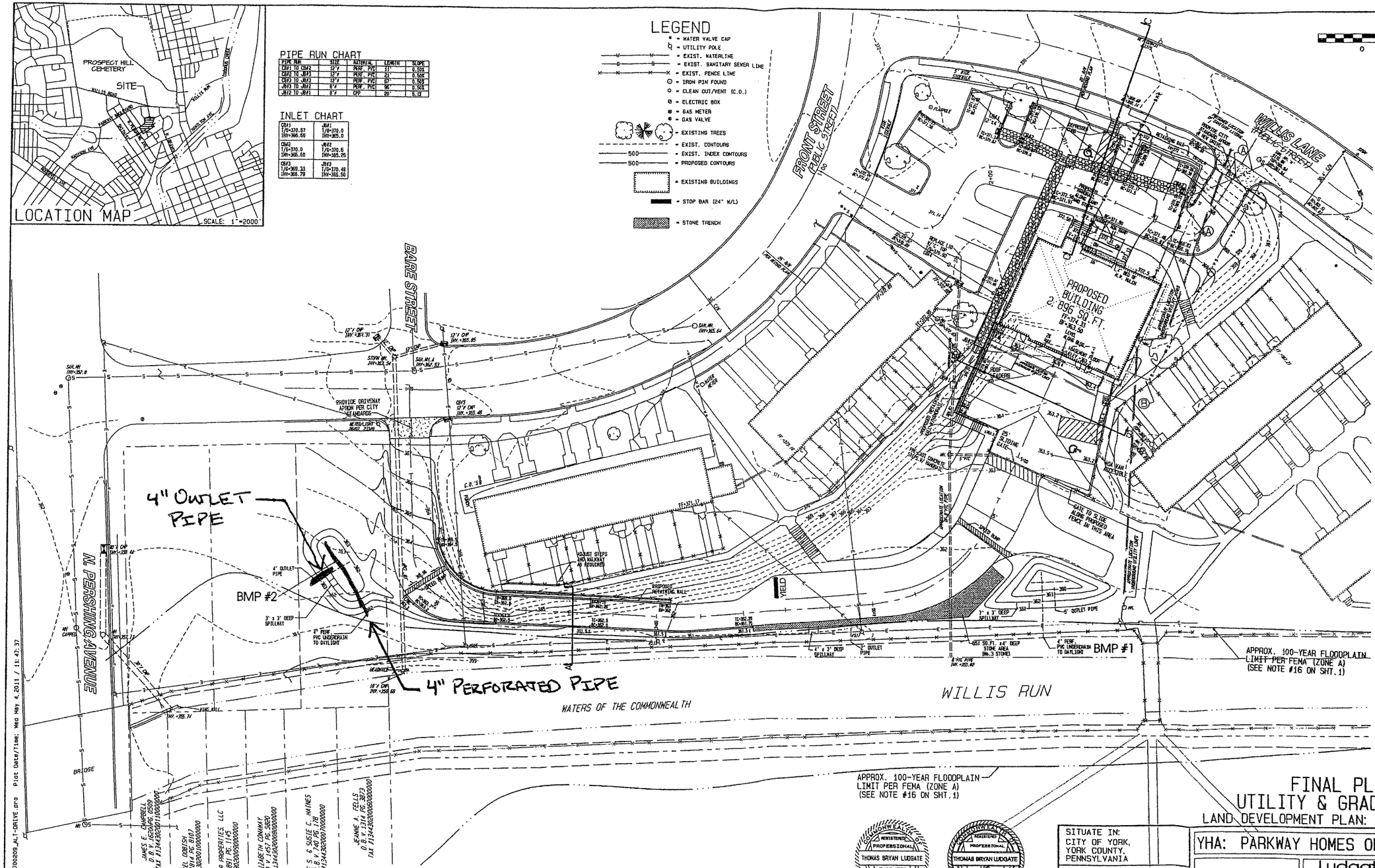
CB#1 T/G=370.57 INV=360.86	JB#1 T/G=370.0 INV=365.0
CB#2 T/G=370.0 INV=360.60	JB#2 T/G=370.6 INV=365.25
CB#3 T/G=369.33 INV=366.79	JB#3 T/G=370.48 INV=365.50

LEGEND

- = WATER VALVE CAP
- = UTILITY POLE
- = EXIST. WATERLINE
- = EXIST. SANITARY SEWER LINE
- = EXIST. FENCE LINE
- = IRON PIN FOUND
- = CLEAN OUT/VENT (C.O.)
- = ELECTRIC BOX
- = GAS METER
- = GAS VALVE
- = EXISTING TREES
- = EXIST. CONTOURS
- 500 = EXIST. INDEX CONTOURS
- 500 = PROPOSED CONTOURS
- = EXISTING BUILDINGS
- = STOP BAR (24" W/L)
- = STONE TRENCH

GRAPHIC SCALE 1"=20'
0 20 40 60

N



UTILITY NOTES

Ⓐ CONTRACTOR MAY NEED TO ADJUST DEPTH/RELOCATE SANITARY LINE (DEPENDING ON DEPTH) WITH CONSTRUCTION OF THE NEW DRIVE.

Ⓑ EXISTING WATER SERVICE TO BE RE-ROUTED TO FEED INTO PROPOSED MECHANICAL ROOM, AS NEEDED.

REVISION	DATE	DESCRIPTION
#6 RDK	5-4-11	RECORDING PLAN
#5 TCD	4-12-11	NEW DRIVEWAY LAYOUT
#4 RDK	2-2-11	
#3 TCD	1-6-11	PER 12-16-10 REVIEW BY C.S. DAVIDSON
#2 SLS	12-6-10	PER YCCD REVIEW
#1 TCD	11-10-10	PER 10-20-10 REVIEWS BY C.S. DAVIDSON

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL THOMAS BRYAN LUDGATE ENGINEER PE076695

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL THOMAS BRYAN LUDGATE SURVEYOR SU-063118

SITUATE IN:
CITY OF YORK,
YORK COUNTY,
PENNSYLVANIA

FINAL PLAN
UTILITY & GRADING PLAN
LAND DEVELOPMENT PLAN: LOT#1 WORK AREA

YHA: PARKWAY HOMES OFFICE BUILDING

Ludgate Engineering Corporation
ENGINEERS SURVEYORS PLANNERS ENVIRONMENTAL SCIENTISTS
© 2010
LINCOLN CORPORATE CENTER
10 VANGUARD DRIVE, SUITE 90
READING, PA 19606
PHONE 610/404-7330
FAX 610/404-7371

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DRAWN	COMP.(DRDY)	COMP.D.(OTS)	PA ONE CALL DATE	COMPUTER FILE
PSR			4/8/2009 20090811991	P:\8700\8_ALT-DRIVE.RDD
2-2-10				
SCALE	TAX MAP PARCEL		DRAWING NUMBER	
1"=20'			8-8700209	SHEET 4

Project Desc.: Path: Z:\87\8700209_ALT-DRIVE.pro Plot Date/Time: Wed May 4,2011 / 11:47:37

The City of York
Pennsylvania

*101 S George Street * P.O. Box 509 * York PA 17405*

www.yorkcity.org

Honorable C. Kim Bracey, Mayor

James E Gross
Director
Department of Public Works

April 2, 2013

Mr. Neil Weiser
New Hope Academy Charter School
459 West King Street
York, PA 17401

RE: New Hope Academy Charter School
Stormwater Management Facility Required Corrective Actions

Dear Mr. Weiser:

The City of York's designated engineer, C.S. Davidson, Inc., conducted an inspection of your stormwater management (SWM) facility, as required by §943.04 of the City of York Code, on February 13, 2013. The inspection was conducted to determine if your SWM facilities are in compliance with operation and maintenance requirements.

Based on inspection findings, the following corrective actions are required to be completed by **June 14, 2013**:

1. Clean and remove sediment from the filter baskets in all six of the downspouts (Photo No. 1). Due to the complexity of the access of these facilities, only one of the six filter baskets was inspected. We surmise that all of the other baskets are in a similar condition and require cleaning and removal of sediment as well. We ask that when the filter baskets are inspected and cleaned that photo documentation is provided to the City of York for compliance.

The specific locations of the features described above are highlighted on the enclosed site plan. The February 13, 2013 inspection form is enclosed for your records.

Maintenance of SWM facilities is required under Article 940 of the City of York Code. Failure to comply may result in civil enforcement action as permitted under §943 of the City of York Code, which may include a monetary penalty.

After the above corrective actions are complete, contact Mr. Derek Rinaldo, E.I.T., C.S. Davidson, Inc., to schedule a follow-up inspection at (717) 846-4805 or by email at djr@csdavidson.com. Please do not hesitate to contact Mr. Rinaldo should you have any questions concerning the required corrective actions.

Sincerely,

James E. Gross
Director of Public Works

JML/DJR
Enclosures: February 13, 2013 Inspection Form
New Hope Academy Charter School Site Plan
Copy: File

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Site: New Hope Academy Charter School
BMP: Flogard Downspout Filter
Date: 2/13/2013
Inspector: Steve H. Lehman

Earthen Components	Structural Components	On-going Maintenance Issues
☐ Downslope Berm Condition	☐ Outlet Structure	☐ Accumulation of Sediment
☐ Inside Berm Condition	☐ Pipe	☐ Trash
☐ Settlement	☐ Outlet Structure	☐ Specific Maintenance to Structural (See Attached)
☐ Vegetation	☐ Cleanouts	
☐ Bottom of Basin		

Comments:
Weather: Mostly Cloudy, 34°
With the assistance of Neil Weiser, New Hope Academy's Facilities Director, we opened the downspout filter that handled the most flow. We found that the filter basket contained approximately 2 inches to 3 inches of sediment. Also discovered were leaves and a pair of earplugs. I informed Neil that he would be contacted in June 2013 in order to perform another inspection. The filters are performing as they were intended.

Action Items (Determined From Inspection Notes):		
Clean and remove sediment from filter basket (Photo No. 1).	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

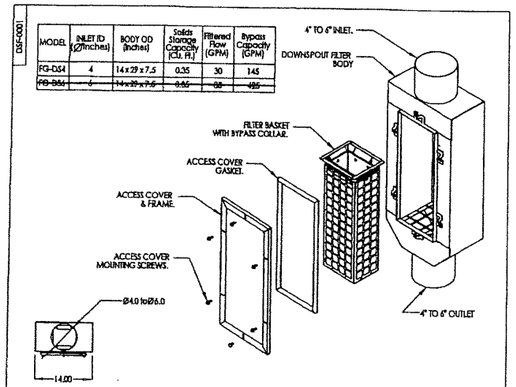
Photo Log:

Photo No. 1:

Photo Comments:

DSF-0001

MODEL	INLET ID (Ø inches)	BODY OD (inches)	Solids Storage Capacity (CU. FT.)	Filtered Flow (GPM)	Bypass Capacity (GPM)
FG-DS4	4	14 x 27 x 7.5	0.35	30	145
FG-DS6	6	14 x 29 x 7.5	0.45	65	425



NOTES:

1. FloGard Downspout Filter is available to fit most industry-standard downspouts (See Tabulation).
2. Filter inserts shall have adequate bypass capacity to allow downspout to flow unimpeded at all times.
3. Filter assembly shall be constructed from stainless steel (type 304).
4. Filter medium shall be installed & maintained in accordance with manufacturer recommendations.

KRISTAR
360 Bulfas Place, Santa Rosa, CA 95407
Ph: 800.579.8819, Fax: 707.524.9186, www.kristar.com

DRAWING NO.	REV.	ECO	DATE	SHEET
DSF-0001	NR	0063 NEW	JPR 2/11/09	SHEET 1 OF 1

FILTER BASICET DETAIL

FLOWGARD DOWNSPOUT FILTER MAINTENANCE NOTES
(FROM MANUFACTURER'S SPECIFICATIONS)

PROPERTY OWNER TO ASSUME ALL MAINTENANCE RESPONSIBILITIES

RECOMMENDED TIMING OF SERVICE:

DPS guidelines for the timing of service are as follows:

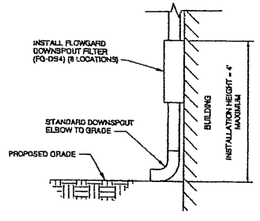
1. For areas with a definite rainy season: Prior to, during and following the rainy season.
2. For areas subject to year-round rainfall: On a recurring basis (at least three times per year).
3. For areas with winter snow and summer rain: Prior to and just after the snow season and during the summer rain season.
4. For installed devices not subject to the elements (washracks, parking garages, etc.): On a recurring basis (no less than three times per year).

SERVICE PROCEDURES:

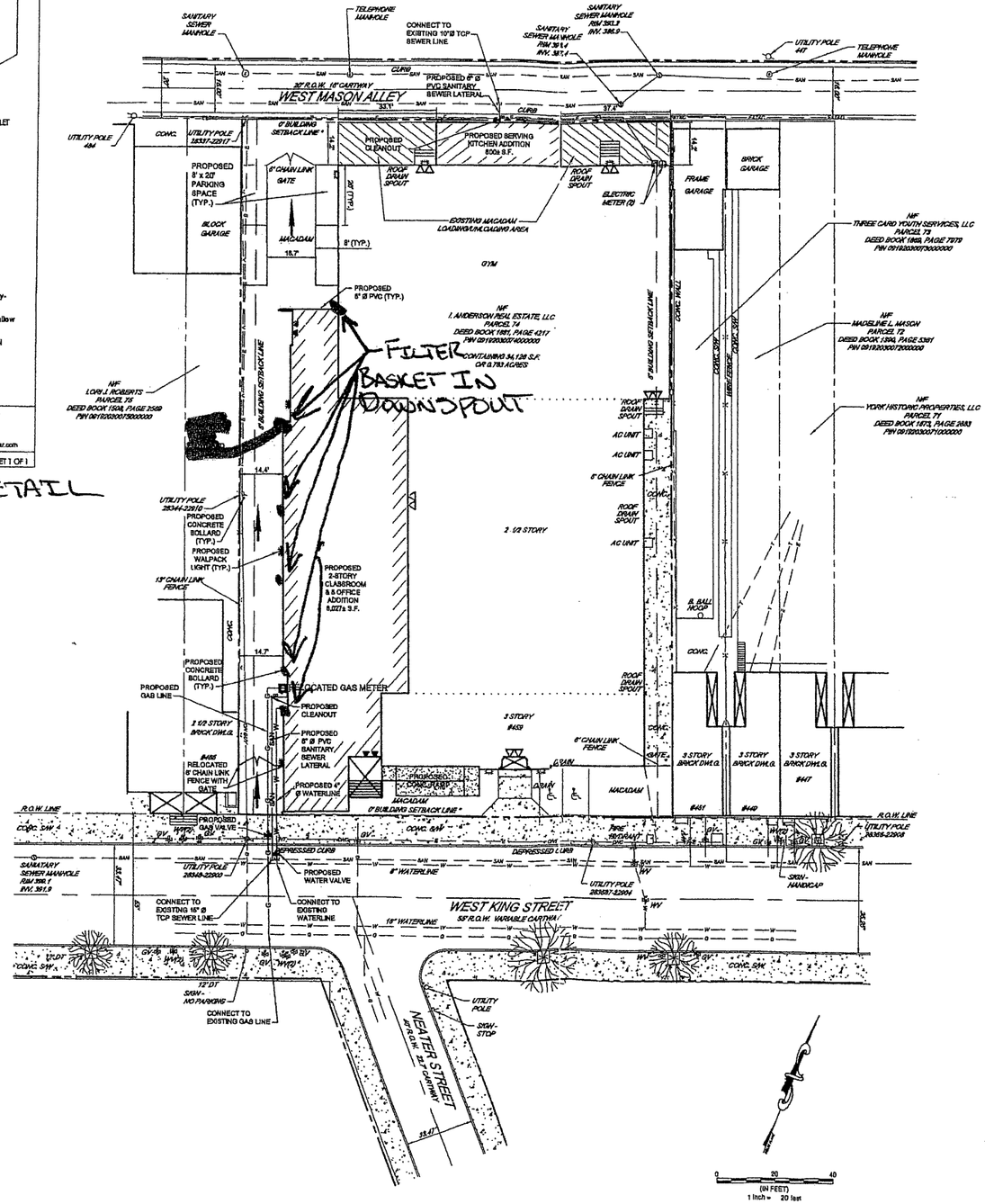
1. The FloGard+Downspout Filter shall be visually inspected for debris and possible leakage.
2. The FloGard+Downspout Filter access door shall be opened. The filter tray shall be carefully pulled out using the handle and set on the floor over a drop cloth.
3. The collected materials in the upper filter shall be inspected, and then removed from the filter using an industrial vacuum or by dumping into an appropriate DOT approved container.
4. When all of the collected materials have been removed from the upper filter, it shall be removed to allow access to the lower filter medium.
5. The filter liner, gaskets, stainless steel frame and mounting brackets, etc. shall be inspected for continued serviceability. Minor damage or debris found shall be corrected on-the-spot and a notation made on the Maintenance Record. More extensive deficiencies that affect the efficiency of the filter (torn liner, door gasket damage, etc.), if approved by the customer representative, will be corrected and an invoice submitted to the representative along with the Maintenance Record.
6. The filter medium shall be inspected for debris and continued serviceability and replaced as necessary. See below for disposal.
7. The filter components and tray shall be replaced in the housing and the door closed and secured.

REPLACEMENT AND DISPOSAL OF EXPOSED FILTER MEDIUM AND COLLECTED DEBRIS

The frequency of filter medium exchange will be in accordance with the existing DPS-Customer Maintenance Contract. DPS recommends that the medium be changed at least once per year. During the appropriate service, or if so determined by the service technician during a non-scheduled service, the filter medium will be replaced with new material. Once the exposed pouches and debris have been removed, DPS has possession and must dispose of it in accordance with local, state and federal agency requirements.



ROOF LEADER/DOWNSPOUT CONNECTION DETAIL
NOT TO SCALE



* SEE ZONING / SITE DATA, SHEET LD-2

I:\Jobs 2008\2008.0160.04\CAD\PCSD\PLD Plans\2008.0160.04-LD.dwg DATE\11 2:48:58 PM EST

project name / owner

NEW HOPE ACADEMY CHARTER SCHOOL

459 WEST KING STREET
NINTH WARD

City of York, York County, PA

seal / stamp

lscdesign
architects engineers

project team

Civil Engineer:
LSC Design Inc
1110 East Princess Street
York, PA 17403
(717) 845 - 8383

Surveyor:
LSC Design Inc
1110 East Princess Street
York, PA 17403
(717) 845 - 8383

Architectural:
LSC Design Inc
1110 East Princess Street
York, PA 17403
(717) 845 - 8383

Structural:
Carney Engineering Group
215 North Beaver Street
York, PA 17401
(717) 852 - 1260

revisions

no.	date	description
1	06/08/2010	Revisions Per City Comments
2	07/14/2010	Revisions Per City Comments
3	08/09/2010	Revisions Per City Comments
4	12/06/2010	Revisions Per Owner
5	03/07/2011	Revisions Per Owner
6	03/30/2011	Revisions Per City Comments
7	04/07/2011	Revisions Per City Comments
8	04/13/2011	Revisions Per City Comments

key plan

project north
See Plan

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date 5.03.2010 | project mgr. AJM

project no. 2008.0160.04

drawing set
PRELIMINARY/FINAL LAND DEVELOPMENT PLAN

drawing title
SITE PLAN

sheet no.
LD-5

The City of York
Pennsylvania

*101 S George Street * P.O. Box 509 * York PA 17405*

www.yorkcity.org

Honorable C. Kim Bracey, Mayor

James E Gross
Director
Department of Public Works

April 2, 2013

Mr. Daryl Sanderson
Metso Minerals Industries, Inc.
240 Arch Street
York, PA 17403

RE: Metso Minerals Industries, Inc.
Stormwater Management Facility Required Corrective Actions

Dear Mr. Sanderson:

The City of York's designated engineer, C.S. Davidson, Inc., conducted an inspection of your stormwater management (SWM) facility, as required by §943.04 of the City of York Code, on February 12, 2013. The inspection was conducted to determine if your SWM facilities are in compliance with operation and maintenance requirements.

Based on inspection findings, the following corrective actions are required to be completed by **June 14, 2013**:

1. Remove debris and stone from inlet and inlet pipe connecting the infiltration structure to the inlet (Photo No. 1).

The specific locations of the features described above are highlighted on the enclosed site plan. The February 12, 2013 inspection form is enclosed for your records.

Maintenance of SWM facilities is required under Article 940 of the City of York Code. Failure to comply may result in civil enforcement action as permitted under §943 of the City of York Code, which may include a monetary penalty.

After the above corrective actions are complete, contact Mr. Derek Rinaldo, E.I.T., C.S. Davidson, Inc., to schedule a follow-up inspection at (717) 846-4805 or by email at djr@csdavidson.com. Please do not hesitate to contact Mr. Rinaldo should you have any questions concerning the required corrective actions.

Sincerely,

James E. Gross
Director of Public Works

JML/DJR
Enclosures: February 12, 2013 Inspection Form

Copy: File

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Site: Metso Minerals Industries, Inc.
BMP: Infiltration Structure
Date: 2/12/2013
Inspector: Steve H. Lehman

Earthen Components	Structural Components	On-going Maintenance Issues
☐ Downslope Berm Condition	☐ Outlet Structure	☐ Accumulation of Sediment
☐ Inside Berm Condition	☐ Pipe	☐ Trash
☐ Settlement	☐ Outlet Structure	☐ Specific Maintenance to Structural (See Attached)
☐ Vegetation	☐ Cleanouts	
☐ Bottom of Basin		

Comments:
Weather: Partly Cloudy, 49°
A rain event occurred the morning of 2/11/13.
Stone from the infiltration area is washing into the structure and also into the pipe.

Action Items (Determined From Inspection Notes):		
Remove the stone from the inlet and pipe connecting the inlet to the infiltration structure (Photo No. 1).	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:
	Completion Date:	Initials:

C.S.Davidson, Inc.

Excellence in Civil Engineering

City of York BMP Inspection Form

Photo Log:

Photo No. 1:

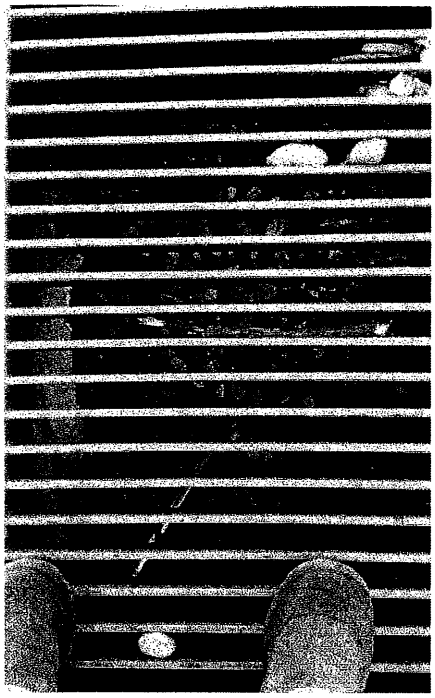
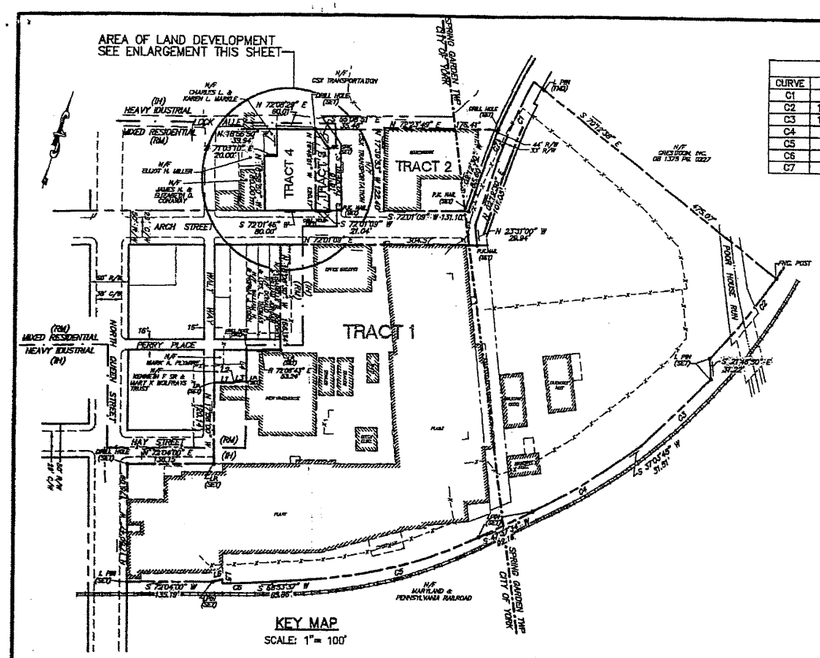


Photo Comments:



CURVE TABLE				
CURVE	RADIUS	ARC LENGTH	BEARING	DISTANCE
C1	719.20	130.41	N 07°24'07" E	130.23
C2	1032.00	158.35	S 22°32'46" W	158.19
C3	1705.77	145.81	S 29°30'40" W	145.77
C4	947.07	163.54	S 42°40'44" W	163.34
C5	719.80	267.19	S 58°15'35" W	265.65
C6	764.39	53.33	S 70°53'31" W	53.32
C7	735.70	44.07	N 03°56'25" E	44.06

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 72°04'00" E	31.25'
L2	N 17°56'00" W	1.67'
L3	N 72°04'00" E	18.92'
L4	N 17°56'00" W	48.40'
L5	N 17°44'48" W	6.08'
L6	S 57°26'50" W	15.65'

AREA TABULATION

(TRACT NO.1) 385,907.50 SQ FT
8.86 AC

(TRACT NO.2) 18,675.07 SQ FT
0.43 AC

(TRACT NO.3) 2,230.65 SQ FT
0.05 AC

(TRACT NO.4) 8,816.52 SQ FT
0.20 AC

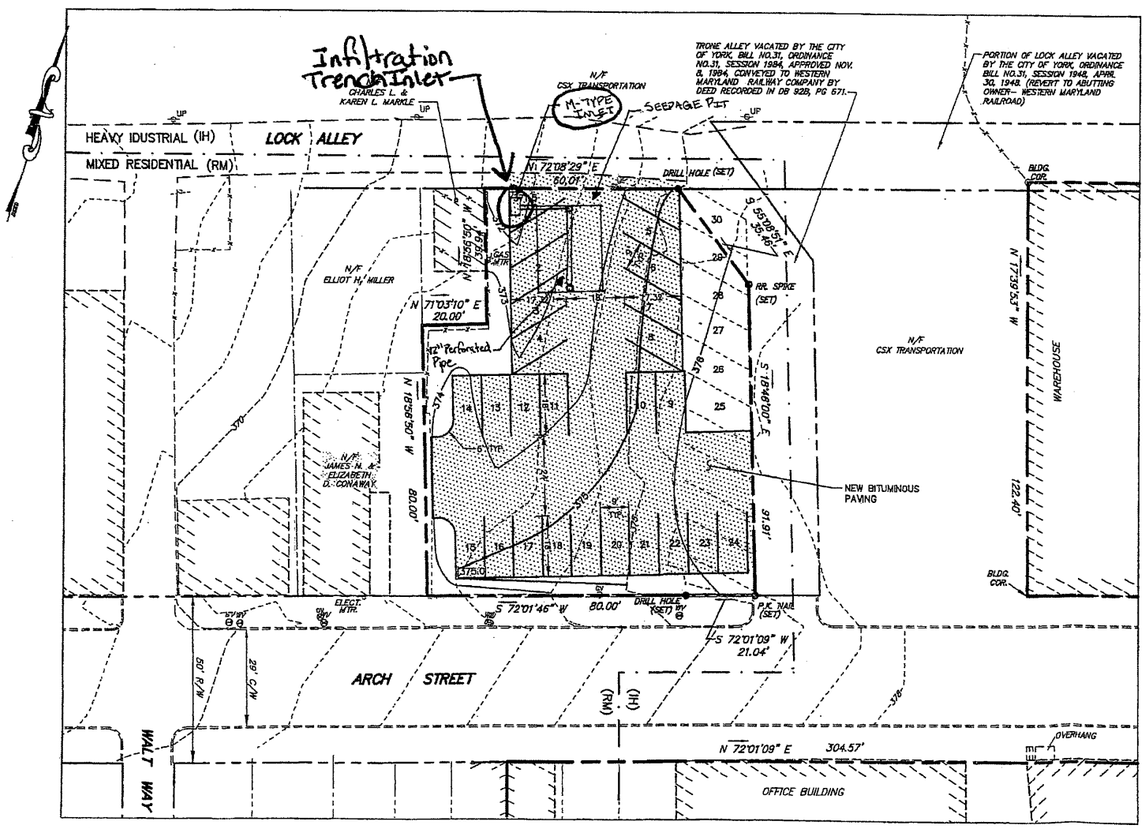
SOURCE OF TITLE:

TRACT NO.1 – DEED BOOK 85R, PAGE 380
PARCEL No.1, No.2, No.4, No.5, No.6, No.7
DEED BOOK 88R, PAGE 388
PARCEL No.1, No.2, No.3, No.4, No.5

TRACT NO.2 – DEED BOOK 85R, PAGE 380

TRACT NO.3 – DEED BOOK 85R, PAGE 380
PARCEL No.3

TRACT NO.4 – DEED BOOK 1403, PAGE 8275
PARCEL No.13
DEED BOOK 1401, PAGE 7606
PARCEL No.14
DEED BOOK 1442, PAGE 2884
PARCEL No.15



RECORDED IN THE RECORDER OF DEEDS OFFICE, IN AND FOR YORK COUNTY, PENNSYLVANIA, IN PLAN BOOK _____, PAGE No. _____, ON THIS _____ DAY OF _____, _____.

NOTES

THE SOLE PURPOSE OF THIS PLAN IS TO EXPAND THE EXISTING OFF-STREET PARKING LOT WHICH LIES EAST OF THIS TRACT.

PROPERTY LINES FOR TRACT 1, TRACT 2 AND TRACT 3 WERE OBTAINED FROM M.P.S.U. SURVEY OF PROPERTIES LOCATED IN YORK CITY (WARD 7) & SPRING GARDEN TOWNSHIP. PREPARED BY LAND SURVEY CONSULTANTS, INC AND DATED FEBRUARY 28, 1991.

PROPERTY LINE FOR TRACT 4 WAS OBTAINED BY DEEDS OF RECORD AND A FIELD SURVEY PERFORMED BY JAMES R. HOLLEY & ASSOC. INC.

OWNERS WITHIN 200' OF THE METSO PROPERTY AT 225, 227 & 229 E. ARCH STREET
CITY OF YORK TAX MAP 1 WARD 9

BLOCK No. 132

PARCEL No.	OWNER	ADDRESS
1	ROBERT E. GLADNEY LIVING TRUST PROPERTY @ 401 N. QUEEN ST.	220 WALNUT STREET YORK, PA 17403
2	ROBERT E. GLADNEY LIVING TRUST PROPERTY @ 401 1/2 N. QUEEN ST.	220 WALNUT STREET YORK, PA 17403
3	JASON & TAMARA BERTSCH PROPERTY @ 403 N. QUEEN ST.	228 TROY ROAD DALLASTOWN, PA 17313
4	DENES W. CHILTON	405 N. QUEEN STREET
5	ROBERT E. GLADNEY LIVING TRUST PROPERTY @ 407 N. QUEEN ST.	220 WALNUT STREET YORK, PA 17403
6	ROBERT E. GLADNEY LIVING TRUST PROPERTY @ 409 N. QUEEN ST.	220 WALNUT STREET YORK, PA 17403
7	ROBERT E. GLADNEY LIVING TRUST PROPERTY @ 411 N. QUEEN ST.	220 WALNUT STREET YORK, PA 17403
8	ROBERT E. GLADNEY LIVING TRUST PROPERTY @ 413 N. QUEEN ST.	220 WALNUT STREET YORK, PA 17403
9	AARON M. GRUMBACHER	209–211 E. ARCH STREET
10	JAMES & LOUISE FULLER	215 E. ARCH STREET
11	CHARLES L. & BETTY JEAN WEAVER, III	217 E. ARCH STREET
12	ELLIOTT H. MILLER PROPERTY @ 219 E. ARCH ST. REAR	MANOR ROAD YORK, PA 17401
12A	JAMES N. & ELIZABETH D. CONAWAY	219 E. ARCH STREET
13A	CHARLES L. & KAREN L. MARKLE	225 E. ARCH STREET REAR
17	CSX CORPORATION ATTN. L.D. FITCHETTE	237–243 E. ARCH STREET

BLOCK No. 130

PARCEL No.	OWNER	ADDRESS
1	JAMES L. BECK	301 N. QUEEN STREET
2	ROBERT BELL	303 N. QUEEN STREET
3	ALICIA L. LAUGHMAN PROPERTY @ 305 N. QUEEN ST.	3634 PLEASANT VALLEY ROAD YORK, PA 17402
4	WOODROW D. & CAROL E. SNYDER PROPERTY @ 307 N. QUEEN ST.	309 N. QUEEN STREET YORK, PA 17403
5	WOODROW D. & CAROL E. SNYDER	309 N. QUEEN STREET
6	DAVID LEVAN	311 N. QUEEN STREET
7	MICHAEL H. RODENHABER	313 N. QUEEN STREET
8	MERANDA J. RODENHABER	315 N. QUEEN STREET
9	EARL W. & JEAN L. FREY, JR.	317 N. QUEEN STREET
10	319 N. QUEEN ST. LAND TRUST	319 N. QUEEN STREET
11	DANIEL L. & RACHEL J. LAUGHMAN	321 N. QUEEN STREET
12	DONALD B. & CONSTANCE LEWIS, JR.	323 N. QUEEN STREET
13	PAUL C. & NANCY M. DRAWBAUGH	CORNER ARCH & QUEEN
14	UNITED REALTY DEVELOPMENT ATTN. STEVE BUFFINGTON	208 E. ARCH STREET
15	JAMES W. & ADA M. BANKS	210 E. ARCH STREET
16	SHERMAN PROPERTIES PROPERTY @ 212 E. ARCH ST.	720 W. MARKET STREET YORK, PA 17404
17	MARK A. PLYMIRE PROPERTY @ 214 E. ARCH ST.	570 HAMMOND ROAD YORK, PA 17402
18	FRANCISCA ESPINOSA	216 E. ARCH STREET
19	WILLIAM H. & NORMA J. KOCH	218 E. ARCH STREET
20	DONALD P. & LOIS L. THOMAS	220 E. ARCH STREET
21	ISABEL R. BOECKEL & WILLIAM JORDAN	222 E. ARCH STREET
28	TERRY L. FREDERICK & BONNIE CARBAUGH	211 E. HAY STREET
29	GREGORY S. & SHERRI L. PLOWMAN	213 E. HAY STREET
35	KENNETH F. & MARY K. WOLFRAYS, SR.	311 WALT WAY
37	MARK A. PLYMIRE PROPERTY @ 315–317 WALT WAY	570 HAMMOND ROAD YORK, PA 17402
39	EARL W. & JEAN L. FREY, JR.	321 WALT WAY

LEGEND

- EX. PROPERTY LINE
- EX. RIGHT-OF-WAY
- EX. EASEMENT
- EX. MUNICIPAL BOUNDARY
- EX. ZONING BOUNDARY
- EX. STRUCTURE (HOUSE, GARAGE, ETC.)
- EX. FENCE
- 373 EX. CONTOUR
- EX. STREAM, POND, ETC.
- EX. RAILROAD TRACKS
- EX. UTILITY POLE
- WV EX. WATER VALVE
- EX. GAS VALVE
- 373 PROP. CONTOUR
- NEW BITUMINOUS PAVING

I, JAMES R. HOLLEY, P.E., A REGISTERED PROFESSIONAL LAND SURVEYOR OF THE COMMONWEALTH OF PENNSYLVANIA, DO HEREBY CERTIFY THAT THIS PLAN CORRECTLY REPRESENTS THE LOTS, LANDS AND STREETS AS PLOTTED FOR THE OWNERS

James R. Holley PE 4/4/06
SURVEYOR
NO. SU-846-A

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL JAMES R. HOLLEY LAND SURVEYOR SU-846-A

SITE LOCATION MAP
SCALE: 1" = 2000'

REVIEWED BY THE
YORK COUNTY PLANNING COMMISSION
DATE: _____

RECOMMENDED APPROVAL BY THE
YORK CITY PLANNING COMMISSION
THIS _____ DAY OF _____, 20____

CHAIRMAN

APPROVED BY THE YORK CITY COUNCIL
DATE: _____

PRESIDENT

CITY CLERK

APPROVED BY THE YORK CITY ZONING OFFICER
DATE: _____

OWNER
METSO MINERALS INDUSTRIES, INC.
240 ARCH STREET
P.O. BOX 15312
YORK, PA 17405

APPROVED BY OWNER/SUBDIVIDER:

ON THIS THE _____ DAY OF _____, 20____ BEFORE ME, THE UNDERSIGNED OFFICER PERSONALLY APPEARED

WHO BEING DULY SWORN ACCORDING TO LAW, DEPOSE AND SAY THAT HE IS THE OWNER AND/OR EQUITABLE OWNER OF THE PROPERTY SHOWN ON THIS PLAN, AND THAT HE ACKNOWLEDGES THE SAME TO BE HIS ACT AND PLAN AND DESIRES THE SAME TO BE RECORDED AS SUCH ACCORDING TO LAW.
WITNESS MY HAND AND SEAL THE DAY AND DATE ABOVE WRITTEN.

NOTARY PUBLIC

JRH James R. Holley & Associates, Inc.
ENGINEERS • PLANNERS • LANDSCAPE ARCHITECTS • SURVEYORS
18 South George Street ▲ York, PA 17401
(717) 843-1568 ▲ Fax (717) 843-4373 ▲ Email: jrh@holley.com

RECEIVED APR 03 2006

© 2005 James R. Holley & Associates, Inc.

FINAL LAND DEVELOPMENT PLAN
FOR
METSO MINERALS INDUSTRIES, INC.
PARKING LOT EXPANSION
CITY OF YORK YORK CO., PA

REVISIONS NO.	DATE	DESCRIPTION	BY

DATE:	10/2005
SCALE:	AS NOTED
DRAWN BY:	PAF
DESIGNED/CK'D BY:	JWB
PROJECT NO.	050826
SHEET NO.	1

G:\050826\Work\LAY\Plan\050826L.dwg

The City of York
Pennsylvania

101 South George Street ❖ PO Box 509 ❖ York PA 17405
www.yorkcity.org
Honorable C. Kim Bracey, Mayor

James E. Gross
Director of Public Works

March 26, 2013

Mr. Ron Duplain
George Street Commons LP – Field Office
237 S Court St.
York, PA 17401

RE: Stormwater Management O&M Agreement
George Street Commons

Dear Mr. Duplain:

As part of the City of York's requirements to meet federal and state regulatory requirements, the file review for the above noted project's Stormwater Management (SWM) Best Management Practice (BMP) requires a completed SWM Operation & Maintenance Agreement. The SWM O&M Agreement is essentially the operating agreement between the owner of the SWM BMP's and the City establishing responsibilities for Operation and Maintenance of the BMP's installed on-site.

The O&M Agreement consists of three components: the agreement, the SWM O&M plan and the SWM site plan. Enclosed is an O&M Worksheet that identifies the information that the City requires to prepare the agreement. As part of your Land Development Plan, you have previously submitted a Site Plan. On the site plan, a description of the required Maintenance of your BMP's was provided. I recommend that the SWM O&M Plan be reviewed for detail and resubmitted in an 8.5x11 format. To meet Site Plan requirements, the appropriate sheet(s) from the LD plan must be included as part of this submission.

Please review the site plan and maintenance plan (ie. SWM O&M Plan) for accuracy and completeness. Please be sure to identify and provide a description of maintenance for each BMP on your plans. Complete the Worksheet and any changes to the site plan and maintenance plan and return to:

City of York
1701 Black Bridge Rd.
York PA 17402
Attn: Jack Longstreet

The City will prepare the Agreement after receipt of the completed worksheet. The City Engineer will complete a technical review of the O&M plan and site plan. The completed O&M Agreement will be returned to you for execution.

If you have any questions regarding this letter or completion of the Worksheet please contact Jack Longstreet at 717-845-2794 or by email: jlongstr@yorkcity.org

Sincerely,

James E. Gross
Director of Public Works

Encl.
file

The City of York
Pennsylvania

101 South George Street ❖ PO Box 509 ❖ York PA 17405
www.yorkcity.org
Honorable C. Kim Bracey, Mayor

James E. Gross
Director of Public Works

March 26, 2013

Mr. Craig Zumbrum
Homes at Thackston Park
York Housing Authority
31 S Broad St.
York, PA 17403

RE: Stormwater Management O&M Agreement
Homes at Thackston Park

Dear Mr. Zumbrum:

As part of the City of York's requirements to meet federal and state regulatory requirements, the file review for the above noted project's Stormwater Management (SWM) Best Management Practice (BMP) requires a completed SWM Operation & Maintenance Agreement. The SWM O&M Agreement is essentially the operating agreement between the owner of the SWM BMP's and the City establishing responsibilities for Operation and Maintenance of the BMP's installed on-site.

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Please review the site plan and maintenance plan (ie. SWM O&M Plan) for accuracy and completeness. Please be sure to identify and provide a description of maintenance for each BMP on your plans. Complete the Worksheet and any changes to the site plan and maintenance plan and return to:

City of York
1701 Black Bridge Rd.
York PA 17402
Attn: Jack Longstreet

The City will prepare the Agreement after receipt of the completed worksheet. The City Engineer will complete a technical review of the O&M plan and site plan. The completed O&M Agreement will be returned to you for execution.

If you have any questions regarding this letter or completion of the Worksheet please contact Jack Longstreet at 717-845-2794 or by email: jlongstr@yorkcity.org

Sincerely,

James E. Gross
Director of Public Works

Encl.
file

The City of York
Pennsylvania

101 South George Street ❖ PO Box 509 ❖ York PA 17405
www.yorkcity.org
Honorable C. Kim Bracey, Mayor

James E. Gross
Director of Public Works

March 27, 2013

Ms. Deborah Lilley
Logos Academy
250 West King St.
York, PA 17401

RE: Stormwater Management O&M Agreement
Logos Academy

Dear Ms. Deborah Lilley:

As part of the City of York's requirements to meet federal and state regulatory requirements, the file review for the above noted project's Stormwater Management (SWM) Best Management Practice (BMP) requires a completed SWM Operation & Maintenance Agreement. The SWM O&M Agreement is essentially the operating agreement between the owner of the SWM BMP's and the City establishing responsibilities for Operation and Maintenance of the BMP's installed on-site.

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Please review the site plan and maintenance plan (ie. SWM O&M Plan) for accuracy and completeness. Please be sure to identify and provide a description of maintenance for each BMP on your plans. Complete the Worksheet and any changes to the site plan and maintenance plan and return to:

City of York
1701 Black Bridge Rd.
York PA 17402
Attn: Jack Longstreet

The City will prepare the Agreement after receipt of the completed worksheet. The City Engineer will complete a technical review of the O&M plan and site plan. The completed O&M Agreement will be returned to you for execution.

If you have any questions regarding this letter or completion of the Worksheet please contact Jack Longstreet at 717-845-2794 or by email: jlongstr@yorkcity.org

Sincerely,

James E. Gross
Director of Public Works

Encl.
file

The City of York
Pennsylvania

101 South George Street ❖ PO Box 509 ❖ York PA 17405
www.yorkcity.org
Honorable C. Kim Bracey, Mayor

James E. Gross
Director of Public Works

March 27, 2013

Ms. April Beggarly
St. Matthew Evangelical Lutheran Church
839 West Market St.
York, PA 17401

RE: Stormwater Management O&M Agreement
St. Matthew Evangelical Lutheran Church

Dear Ms. April Beggarly:

As part of the City of York's requirements to meet federal and state regulatory requirements, the file review for the above noted project's Stormwater Management (SWM) Best Management Practice (BMP) requires a completed SWM Operation & Maintenance Agreement. The SWM O&M Agreement is essentially the operating agreement between the owner of the SWM BMP's and the City establishing responsibilities for Operation and Maintenance of the BMP's installed on-site.

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Please review the site plan and maintenance plan (ie. SWM O&M Plan) for accuracy and completeness. Please be sure to identify and provide a description of maintenance for each BMP on your plans. Complete the Worksheet and any changes to the site plan and maintenance plan and return to:

City of York
1701 Black Bridge Rd.
York PA 17402
Attn: Jack Longstreet

The City will prepare the Agreement after receipt of the completed worksheet. The City Engineer will complete a technical review of the O&M plan and site plan. The completed O&M Agreement will be returned to you for execution.

If you have any questions regarding this letter or completion of the Worksheet please contact Jack Longstreet at 717-845-2794 or by email: jlongstr@yorkcity.org

Sincerely,

James E. Gross
Director of Public Works

Encl.
file

The City of York
Pennsylvania

101 South George Street ❖ PO Box 509 ❖ York PA 17405
www.yorkcity.org
Honorable C. Kim Bracey, Mayor

James E. Gross
Director of Public Works

March 27, 2013

Mr. Kent Vandervort
Stillmeadow Church of the Nazarene
400 Stillmeadow Lane
York, PA 17404

RE: Stormwater Management O&M Agreement
Stillmeadow Church of the Nazarene – York Campus
350 East Chestnut St., York, PA 17403

Dear Mr. Vandervort:

As part of the City of York's requirements to meet federal and state regulatory requirements, the file review for the above noted project's Stormwater Management (SWM) Best Management Practice (BMP) requires a completed SWM Operation & Maintenance Agreement. The SWM O&M Agreement is essentially the operating agreement between the owner of the SWM BMP's and the City establishing responsibilities for Operation and Maintenance of the BMP's installed on-site.

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Please review the site plan and maintenance plan (ie. SWM O&M Plan) for accuracy and completeness. Please be sure to identify and provide a description of maintenance for each BMP on your plans. Complete the Worksheet and any changes to the site plan and maintenance plan and return to:

City of York
1701 Black Bridge Rd.
York PA 17402
Attn: Jack Longstreet

The City will prepare the Agreement after receipt of the completed worksheet. The City Engineer will complete a technical review of the O&M plan and site plan. The completed O&M Agreement will be returned to you for execution.

If you have any questions regarding this letter or completion of the Worksheet please contact Jack Longstreet at 717-845-2794 or by email: jlongstr@yorkcity.org

Sincerely,

James E. Gross
Director of Public Works

Encl.
file

The City of York
Pennsylvania

101 South George Street ❖ PO Box 509 ❖ York PA 17405
www.yorkcity.org
Honorable C. Kim Bracey, Mayor

James E. Gross
Director of Public Works

March 27, 2013

Lofts at Ribbon Place
York County Financial, LP
239 East Boundary Ave.
York, PA 17401

RE: Stormwater Management O&M Agreement
Lofts at Ribbon Place

Dear York County Financial, LP:

As part of the City of York's requirements to meet federal and state regulatory requirements, the file review for the above noted project's Stormwater Management (SWM) Best Management Practice (BMP) requires a completed SWM Operation & Maintenance Agreement. The SWM O&M Agreement is essentially the operating agreement between the owner of the SWM BMP's and the City establishing responsibilities for Operation and Maintenance of the BMP's installed on-site.

The O&M Agreement consists of three components: the agreement, the SWM O&M plan and the SWM site plan. Enclosed is an O&M Worksheet that identifies the information that the City requires to prepare the agreement. As part of your Land Development Plan, you have previously submitted a Site Plan. On the Site Plan, a brief description of the necessary Maintenance of your BMP(s) was required but not provided. I have enclosed a copy of the site plan for your use in preparing the SWM O&M Plan, describing the necessary operation and maintenance requirements for your BMP(s), and completing the Worksheet. I recommend the O&M Plan and SWM Site Plan be submitted in an 8.5x11 format.

Please review the site plan and routine maintenance plan (ie. SWM O&M Plan) for accuracy and completeness. Please be sure to identify and provide a description of maintenance for each BMP on your plans. Complete the Worksheet and any changes to the site plan and maintenance plan and return to:

City of York
1701 Black Bridge Rd.
York PA 17402
Attn: Jack Longstreet

The City will prepare the Agreement after receipt of the completed worksheet. The City Engineer will complete a technical review of the O&M plan and site plan. The completed O&M Agreement will be returned to you for execution.

If you have any questions regarding this letter or completion of the Worksheet please contact Jack Longstreet at 717-845-2794 or by email: jlongstr@yorkcity.org

Sincerely,

James E. Gross
Director of Public Works

Encl.
file

The City of York
Pennsylvania

101 South George Street ❖ PO Box 509 ❖ York PA 17405
www.yorkcity.org
Honorable C. Kim Bracey, Mayor

James E. Gross
Director of Public Works

March 26, 2013

Mr. Al Savard
Catholic Harvest Pantry
St. Josephs Catholic Church
628 East Market St.
York, PA 17403

RE: Stormwater Management O&M Agreement
Catholic Harvest Pantry
628 E. Market St., York PA 17403

Dear Mr. Savard:

As part of the City of York's requirements to meet federal and state regulatory requirements, the file review for the above noted project's Stormwater Management (SWM) Best Management Practice (BMP) requires a completed SWM Operation & Maintenance Agreement. The SWM O&M Agreement is essentially the operating agreement between the owner of the SWM BMP's and the City establishing responsibilities for Operation and Maintenance of the BMP's installed on-site.

The O&M Agreement consists of three components: the agreement, the SWM O&M plan and the SWM site plan. Enclosed is an O&M Worksheet that identifies the information that the City requires to prepare the agreement. As part of your Land Development Plan, you have previously submitted a Site Plan. On the site plan, you provided a description of the necessary Routine Maintenance required for your BMP's. I have enclosed a copy of the site plan and an enlargement of the described Routine Maintenance for your use in reviewing and completing the Worksheet.

Please review the site plan and routine maintenance plan (ie. SWM O&M Plan) for accuracy and completeness. Complete the Worksheet and any changes to the site plan and maintenance plan and return to:

City of York
1701 Black Bridge Rd.
York PA 17402
Attn: Jack Longstreet

The City will prepare the Agreement after receipt of the completed worksheet. The City Engineer will complete a technical review of the O&M plan and site plan. The completed O&M Agreement will be returned to you for execution.

If you have any questions regarding this letter or completion of the Worksheet please contact Jack Longstreet at 717-845-2794 or by email: jlongstr@yorkcity.org

Sincerely,

James E. Gross
Director of Public Works

Encl.
file

MCM 6 APPENDIX

1. MCM 6 Project Plan

2. BMP 6.1 Attachments

    a. City of York Facility and Property Map

3. BMP 6.2 Attachments

    a. York City Property Checklist
    b. Operations and Maintenance Program – Part 1
    c. 2013 Tonnage Summary
    d. Sample Storm Sewer Maintenance Sheets
    e. Storm Sewer Repair Summary
    f. Spill Response Summary
    g. Operations and Maintenance Program – Part 2

4. BMP 6.3 Attachments

    a. Municipal Employee Training Goals
    b. Municipal Employee Training Summary
    c. Employee Training Certificates*
    d. York City MS4 Taskforce Meeting Agendas and Minutes
    e. York City Employee Newsletter*

* Denotes Information is Located on Supplemental CD

City of York
2013 – 2014 MS4 Project Plan
MCM #6

BMP 6.1: The Municipality shall identify and document all types of municipal operations, facilities, and activities that may contribute to stormwater runoff within areas that discharge to regulated MS4.

1) **Municipal Operations, Facilities, and Activity Inventory**
   a) **Requirement:** The municipality shall create an inventory of all facilities and activities that have the potential for generating stormwater runoff to the regulated MS4,
   b) **Action Plan:** York City has developed an inventory of all City owned facilities. A GIS based map showing their locations is attached to this plan.

PARKS

- Albemarle Park
  Albemarle, Edison & Lehman Streets
- Allen Park
  Hay & Tremont Streets
- Allen Fields
  Hay & Tremont Streets
- Arles Park
  King & Pattison Streets
- Bantz Park
  Salem Ave. Extended
- Campus Park
  S. Duke St. & College Ave.
- Cherry Lane Park
  Downtown
- Farquhar Park
  N. Newberry St.
- Foundry Plaza/Codorus Boat Basin
  West Philadelphia Street
- Girard Park
  Girard Ave. & E. Maple St.
- Heritage Rail Trail
  Downtown
- Hoffman Softball Complex
  Vander & Rockdale Avenues
- Hudson Park
  Ridge Ave. & Hay St.
- Kiwanis Lake
  North Newberry St. & Parkway Blvd
- Lincoln Park
  Roosevelt Ave., Fahs & Lincoln St.
- Little Jimmy's Park
  Cottage Hill Rd.
- Martin Luther King Park
  Penn St. & College Ave.
- Memorial Park
  Boundary Ave. & Edgar St.
- Noonan Field
  Parkway Blvd. & Penna. Ave
- Odeon Fields
  College Avenue Extended
- Penn Park
  100 West College Ave.
- Renaissance Park
  Poplar and Susquehanna St.
- Yorktown Park
  1059 Kelly Dr.
- Westminster Park
  N. Queen & Hay Streets
- Williams Park
  Cottage Hill Rd.

RECREATION BUILDINGS

- Grimes Gym
  125 E College Ave.
- Princess Center
  368 West Princess St
- Rotary-Kranich Hall
  120 South Lehman St.
- York City Ice Arena
  941 Vander Ave
- Yorktowne Center
  1059 Kelly Dr.

FIRE STATIONS

- Fire Dept. Headquarters
  43 S Duke St.
- Rex/Laurel Fire Station #1
  49 S Duke St.
- Vigilant/Union Fire Station #2
  273 W Market St.
- Goodwill Fire Station #5
  833 E Market St.
- Lincoln Fire Station #9
  800 Roosevelt Ave.

PARKING FACILITIES/LOTS

- Market St Garage
  41 E Market St.
- Philadelphia St Garage
  25 W Philadelphia St.
- King St Garage
  15 W King St.
- Lot #1
  40 E Gas Ave.
- Lot #2
  300 W King St.
- Lot #3
  150 S Duke St.
- Lot #4
  Newton & Howard Ave.
- Lot #7
  600 W Mason St.
- Lot #8
  200 W Philadelphia St.
- Lot #9
  100 W King St.
- Lot #11
  100 E Princess St.
- Lot #14
  St Paul and Penn St.
- Lot #15
  300 W. Princess St.
- Lot #17
  200 W Market St.

HEALTH BUREAU FACILITIES

- Bureau of Health
  227 W Market St.
- Albert S. Weyer Health Center
  435 W Philadelphia St.

PUBLIC WORKS FACILITIES

- Electrical Bureau/Sewer Maint. Building
  1625 Toronita St.
- Highway Bureau/Salt Dome
  118 N Broad St.
- Parks Office/Parks Maint. Building
  900 Vander Ave.
- Waste Water Treatment Plant
  1701 Black Bridge Rd.

POLICE FACILITIES

- Police Department
  50 W King St.
- Eagle Fire Station/Community Services
  Jackson & Jessop St.
- George St. Resource Center
  426 S George St.
- Reinecke Place Resource Center
  327 Reinecke Place

CITY GOVERNMENT FACILITY

- York City Hall
  101 S George St.

c) **Action Plan:** The City has identified the following activities which currently occur within the MS4:

ROUTINE MAINTENANCE

- Street Sweeping
- Inlet Cleaning
- BMP Maintenance
- Storm Sewer Inspections
- Leaf and Christmas Tree Collection
- Snow Removal/Deicing
- Neighborhood Focused Clean-ups

EMERGENCY MAINTENANCE

- Spill Response

VEHICLE AND EQUIPEMENT

- Vehicle Maintenance
- Vehicle Fueling
- Vehicle Washing

BMP 6.2: The Municipality shall develop, implement, and maintain a written operation and maintenance program for all municipal operations, facilities, and activities that may contribute to stormwater runoff within areas that discharge to regulated MS4.

1) **O&M Program**
   a) **Requirement**: A written program for O&M shall be developed and implemented with the focus of pollution prevention and good housekeeping measures. The program shall address:
      i) Management practices, policies, and procedures to prevent the discharge of pollutants to the regulated MS4.
      ii) Maintenance and inspection schedules and procedures to reduce the potential for pollutants to reach you MS4.
      iii) Controls for reducing or eliminating the discharge of pollutants from your facilities and activities.
      iv) Procedures for the proper disposal of waste and hazardous materials removed from your MS4.
   b) **Action Plan:** The City has created Operation and Maintenance procedures for the facilities and activities listed under BMP 6.1 above. This plan, along with the tracking and reporting mechanisms currently in place, are attached to this plan.

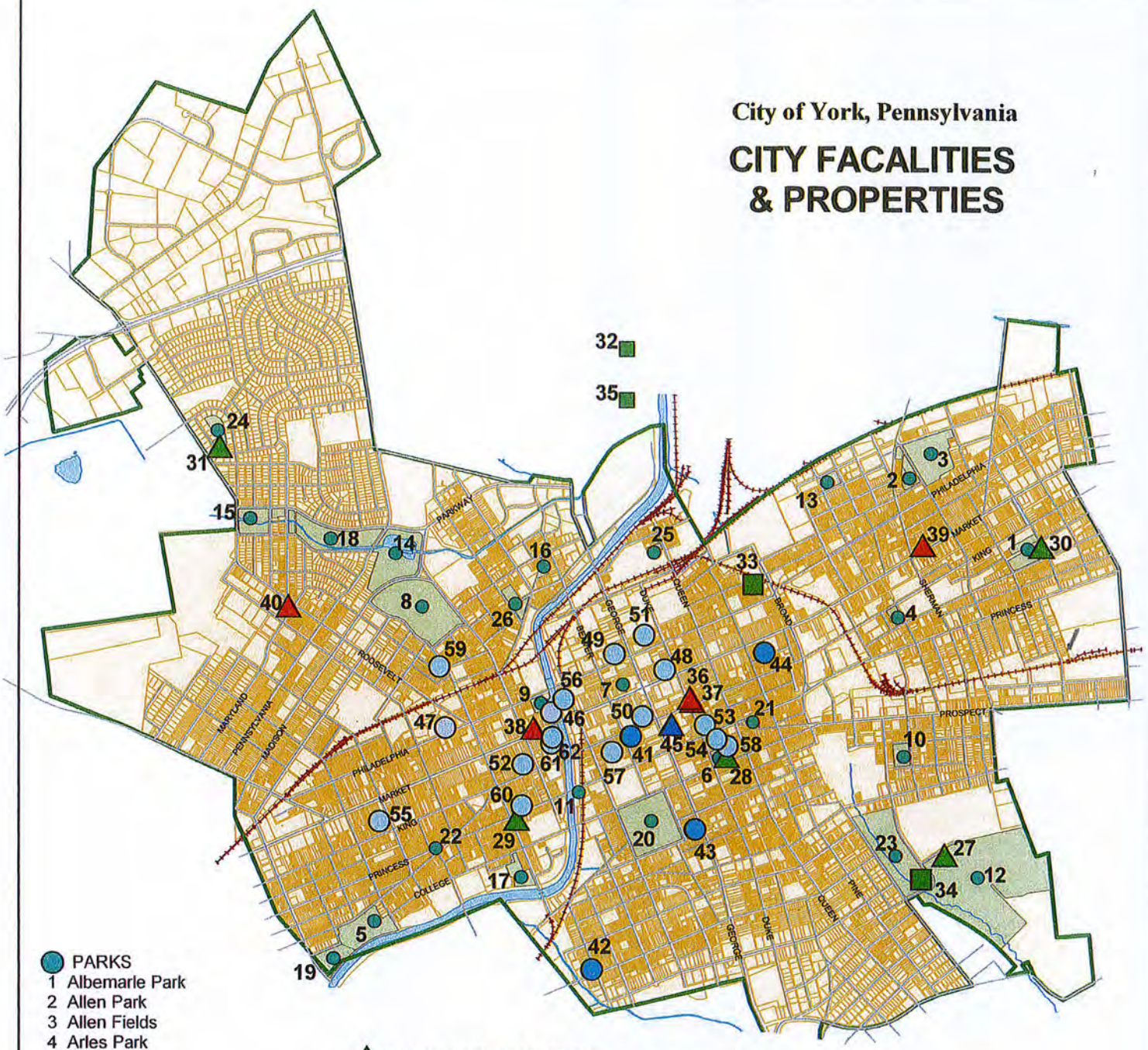
BMP 6.3: The Municipality shall develop and implement an employee training program to further the goal of reducing the discharge of pollutants to the regulated small MS4.

1) **Employee Training Program**
   a) **Requirement:** A training program that identifies training topics, methods, and materials shall be defined.
   b) **Action Plan:** Identify a list of municipal employees who need to receive MS4 training is captured in the attached York City Employee Training Plan.

2) **Training Schedule**
   a) **Requirement:** Employee training shall occur at least annually and shall be documented and reported on.
   b) **Action Plan:** Records of all training events attended shall be maintained by the municipality. This training can include formal or informal training provided by government agencies, non-profit groups, consultants or internal staff. The proposed goals of the training program are outlined in the attached York City Employee Training Plan

City of York, Pennsylvania

CITY FACALITIES & PROPERTIES



PARKS
1 Albemarle Park
2 Allen Park
3 Allen Fields
4 Arles Park
5 Bantz Park
6 Campus Park
7 Cherry Lane Park
8 Farquhar Park
9 Foundry Plaza/Codorus Boat Basin
10 Girard Park
11 Heritage Rail Trail
12 Hoffman Softball Complex
13 Hudson Park
14 Kiwanis Lake
15 Lincoln Park
16 Little Jimmy's Park
17 Martin Luther King Park
18 Noonan Field
19 Oden Fields
20 Penn Park
21 Renessance Park
22 Salem Square Park
23 Veterans Memorial Park
24 Yorktowne Park
25 Westminister Park
26 Williams Park

RECREATION BUILDINGS
27 York City Ice Rink
28 Grimes Gym
29 Princess Center
30 Rotary-Kranich Hall
31 Yorktowne Center

PUBLIC WORKS FACILITIES
32 Electrical Bureau/Sewer Maint
33 Highway Bureau/Salt Dome
34 Parks Office/Parks Maint
35 Waste Water Treatment Plant

FIRE STATIONS
36 Fire/Rescue Administration
37 Station 99-1
38 Station 99-2
39 Station 99-5
40 Station 99-9

POLICE FACILITIES
41 Police Department
42 Community Services
43 George St. Resource Center
44 Reinecke Pl. Resource Center

CITY GOVERNMENT FACILITY
45 York City Hall

HEALTH BUREAU FACILITIES
46 Bureau of Health Offices
47 Albert S. Weyer Health Center

PARKING FACILITIES
48 Market St. Parking Garage
49 Philadelphia St. Parking Garage
50 King St. Parking Garage
51 Lot #1
52 Lot #2
53 Lot #3
54 Lot #4
55 Lot #7
56 Lot #8 (Lafayette Plaza)
57 Lot #9 (Parklane Plaza)
58 Lot #11
59 Lot #14
60 Lot #15
61 Lot #17
62 200 W. Market St.

N

Disclaimer: This map is for reference purposes only. The City makes no guarentee as to the accuracy or completeness of the features shown on this map.
Office of Emergency Planning
Dept. Fire/Rescue Services
05/2014

YORK CITY PROPERTY CHECKLIST FOR MS4

CITY PARKS AND OUTDOOR PARKING FACILITIES

*Check all inlets on property. All inlets should be clear and structurally sound.

*Check perimeters of all parks for potential sediment run-off areas.

*Check any creeks banks for erosion and report on vegetation condition

CITY BUILDINGS, STORAGE AREAS AND PARKING GARAGES

*Check all downspouts for possible blockage or connection to SSS

*Check all inlets on property. All inlets should be clear and structurally sound

*Check all floor drains inside of property. All drains should be connected to SSS

HIGHWAY GARAGE

1. Fueling Station

    *Emergency Spill Procedure Signs-in place and legible

    *Spill Kit and Absorption material –in place

    *Trash Receptacle –empty

2. Main Yard

    *Yard free of loose debris including salt

    *Inlets at the rear of the shop clear and cleaned out

    *Sand and cold patch under roof

3. Garage

    *Drains clear of debris

    *Fluid recycling area labeled and in working order

    *Inlet in back garage clear and working

4. Salt Dome

    *Inlet free of debris

    *All salt inside of dome

    *All trash picked up and loaded in dumpsters

OPERATIONS AND MAINTENANCE PROGRAM

PART 1 – STORM WATER FACILITIES OPERATION AND MANTENANCE IMPLEMENTATION

ROUTINE MAINTENANCE

1. STREET SWEEPING

The City of York has a comprehensive street sweeping plan in place. Two Elgin sweepers are maintained to allow for coverage if there is a break-down. City streets are swept on a regular basis between March and November.
Targeted areas are also swept throughout the year as weather permits. Sweeping grit removed from the streets is deposited in a dumpster and disposed of at Modern Landfill in compliance with the York County Municipal Solid Waste Management Act.

2. INLET CLEANING

The City of York inlet cleaning program is achieved by cleaning off the top of inlets before and after significant rain events and on an as needed basis. The material collected is disposed of at Modern Landfill. While inlet tops are being cleaned the operator does a visual inspection to ensure proper working order. The operator will take note on a provided worksheet if the inlet needs to be repaired or vacuumed out. The worksheet is then used to generate a list for repairs and a list for inlets that need vacuumed out. The vactor truck is then used to remove any debris inside of the inlet. This material is also disposed of at Modern Landfill

3. BMP MAINTENANCE

The City of York maintains five drainage basins within the city limits. One is in Memorial Park and the other four are in the Industrial Park. An annual mowing program maintains all these.

4. INSPECTION ACTIVITIES

Inspection activities of the city's storm water collection and conveyance system takes place regularly. As staff perform their regular maintenance duties of cleaning off inlet tops and mowing around the BMP's inspection of the area is done to determine if maintenance or cleaning is needed. In

2014 a map of all city owned/managed facilities was made and paired with an MSS4 checklist. This list is site specific and used to check on all storm water activity within each site.

5. LEAF AND CHRISTMAS TREE COLLECTION

City residents are encouraged to rake their leaves into piles along the curb lines. Public works crews use 3 leaf loaders with dump trucks to collect the leaves throughout the city in both streets and alleyways. Christmas trees are also placed out for collection. Public Works crews use pick up trucks and one ton dump trucks to collect the trees. This organic matter is hauled to the city compost site where it is later picked up by a local vendor and processed into mulch.

6. DEICING OPERATIONS

Road salt applied by operators is done according to manufacturer's recommendations. All trucks are equipped with control boxes that allow the operator to adjust application rates based on the road width, traffic concentration, temperature and other factors to avoid over application

The salt storage area is under roof in our salt dome. Salt is pushed back in as needed throughout the winter. A large clean up of the salt dome area is to be performed each spring and as needed throughout the year.

7. NEIGHBORHOOD FOCUSED CLEAN-UPS

A regularly scheduled program designates areas throughout the city for a "clean sweep". City staff removes all trash and overgrown brush and debris from these areas. Small trash and debris is blown out into the street ahead of the street sweeper to collect. Items that are too large for the sweeper are loaded into dump trucks and hauled to city dumpsters. Brush is sent to a local mulch producer.

EMERGENCY MAINTENANCE

1. SPILL RESPONSE

Upon notification the York City Fire Dept and Public Works crews respond to reported spills. Absorbent materials are utilized to prevent oil and other fluids from reaching the storm water collection system. The street sweeper is then used to sweep up the absorbent material.

2013 TONNAGE SUMMARY

EXPLANATION

This tonnage summary includes all disposed of materials from three city dumpster sites. The blue columns show the amount of waste that is sent to the York County Solid Waste Authority (YCSWA). The blue columns show waste that was disposed of at Modern Landfill (Modern). The city does use several other dumpster locations and conducts bi-weekly curbside trash pick-up but they are not included in this summary. The three locations listed on this summary are used to store waste and debris removed directly from the road, roadside or near the storm water conveyance system.

2013
TONNAGE SUMMARY

6/5/2014 MONTH	MEMORIAL STADIUM TONS	SANITATION CREW TONS	SALT DOME HIGHWAY GARAGE	SALT DOME TONS	MEMORIAL STADIUM TONS	SANITATION CREW TONS	TOTAL (YCSWA) PROCESS TONS	TOTAL (Modern) NON-PROCESS TONS	TOTAL TONS
JANUARY	0.00	6.75	0.00	50.34	4.51	0.00	**6.75**	**54.85**	**61.60**
FEBRUARY	0.00	0.00	0.00	31.10	0.00	0.00	**0.00**	**31.10**	**31.10**
MARCH	0.00	0.00	0.00	72.20	5.28	0.00	**0.00**	**77.48**	**77.48**
APRIL	0.00	0.00	0.00	99.82	0.00	0.00	**0.00**	**99.82**	**99.82**
MAY	0.00	0.00	0.00	100.95	3.55	0.00	**0.00**	**104.50**	**104.50**
JUNE	0.00	0.00	0.00	43.21	3.21	0.00	**0.00**	**46.42**	**46.42**
JULY	0.00	0.00	0.00	67.52	6.39	0.00	**0.00**	**73.91**	**73.91**
AUGUST	2.57	1.91	2.20	74.88	0.00	0.00	**6.68**	**74.88**	**81.56**
SEPTEMBER	0.00	0.00	0.00	43.25	1.58	0.00	**0.00**	**44.83**	**44.83**
OCTOBER	0.00	2.67	0.00	55.74	0.00	0.00	**2.67**	**55.74**	**58.41**
NOVEMBER	0.00	0.00	0.00	33.35	3.81	0.00	**0.00**	**37.16**	**37.16**
DECEMBER	0.00	0.00	0.00	24.60	0.00	0.00	**0.00**	**24.60**	**24.60**
TOTALS	**2.57**	**11.33**	**2.20**	**696.96**	**28.33**	**0.00**	**16.10**	**725.29**	**741.39**

x.m.spshts.disposalcosts.tonnage summary 13

STORM SEWER MAINTENANCE
PREVENTIVE MAINTENANCE REPORT

Date: 5-16-13

INLET TOPS CLEANED

LOCATION	X= FULL R= REPAIR
Piedmont & Teslin	
425 Piedmont Circle	R
424 Piedmont Circle	R
356 Jackson & Edgen	R
Pine & Princess SE	X
232 E King	X
Broad & Prospect	X
SO-NW	

Employees:

J Johnson ___ P. Banks ___ R Hershey ___
A. Walls ___ J Bean ___ G. Brooks ___
___ J Laughman ___

A Murray

STORM SEWER MAINTENANCE REPORT

Date: 8-26-13 Reported Problem ___ Routine Maint ___

Inlet/Drain/ Manhole (Circle one)

Location

449 Piedmont Cir

Problem:

Debris Blocking Inlet ___ Inlet Full ___

Grate Is Off ___ Manhole cover is off ___

Main Is Blocked ___ Inlet needs rebuilt X

___ OTHER Rebuilt walls that was Falling Down

Action Taken:

33 - bricks 2 1/2 bags mortar

Employees:

R. Hershey	___	P Rodriguez	___	D Rudolph	___
J. Johnson	___	A. Walls	___	J. Laughman	___
P. Banks	___	J Bean	___	G. Brooks	X
				A. Murray	X

Equipment Used:

Vactor: ___ Lateral Camera: ___

Harben: ___ TV'd Main: ___

Camel: ___

Damage:

Property: ___

Photos: ___

Other Information:

Dye test: ___ Cleaned Line: ___ : ___

Inflow/Inf. Source: ___ Cleaned Line: ___ : ___

Root Control Applied: ___ Cleaned Line: ___ : ___

Repair: Main: ___ Repair Date: ___

MH ID ___ Replaced Cover ___ Installed New Frame/Cover ___

Installed Riser ___ Installed MH Cushion ___

Adjust to Grade ___ Installed I/I Insert ___

STORM SEWER COLLECTION SYSTEM REPAIR 2013

SUMMMARY

426 Piedmont Circle – brick repair needed

449 Piedmont Circle – brick repair needed

480 Piedmont Circle – brick repair needed

407 Piedmont Circle – brick repair needed

427 Piedmont Circle – brick repair needed

475 Piedmont Circle – brick repair needed

Piedmont & Pennsylvania – brick repair needed

Queen & King – sink hole next to inlet needed repaired

Edgar & Springettsbury – brick repair needed

W. Market St. Bridge – base needed formed

2/300 bk. N. Belvidere – brick repair needed

205 Sherman – brick repair needed to support grate

Broad & Locust – sink hole & brick repair needed

Stone & Brooklyn – brick repair needed

Kings Mill & Lafayette – brick repair needed, straighten grate

814 E. Boundary – frame work needed

Vander at Ice Rink – sink hole next to inlet needed repair

Vander rear Ice Rink parking lot – grate needed replaced

North George St Bump Outs – brick, curb and trench grate repair

202 E King – pipe repair

800 blk E King- replaced and raised 3 storm manhole frame and covers

300 blk Pennsylvania Ave – replaced and raised 3 storm manhole frame and covers

N Belvidere between Linden and Philadelphia – replaced and raised 4 storm manhole frame and covers

N Belvidere and Fern Pl – raised and repaired brick at 2 inlets

SPILL RESPONSE
SUMMARY 2013

6/12/13 –S Pershing Ave by 273 Butler Ave-original source was traced to garages near 821 South Newberry St. 100-200 gallons of fuel oil from a private property tank: vactor truck was used to remove oil from inlet, absorbent used on the street and picked up with the street sweeper.

10/30/13 - 259-261 E Philadelphia and 114 N Pine St – sediment from rehab of Bell Socialization properties- This was reported to our Property Maintenance Inspectors. The contractor was contacted to do a clean-up of the sediment. Highway staff used the street sweeper to do a final clean-up of the sediment

5/13/13 -West College Av in the area of South Penn Street –white paint material on roadway that Highway tried to abate with power washer & street sweeper with little success because the paint had dried. No paint entered the storm water system

11/22/13 -N Duke and E Philadelphia St –sediment from water main break. Contacted York Water about the break. Highway staff used the street sweeper to remove sediment from the street.

8/2/13 -Memorial Park– private GMC truck had a fuel tank leak… diesel on parking lot. Highway crew used absorbent material and the sweeper to clean up the area. No diesel entered the storm water system.

12/6/13 -600 block of Pennsylvania Avenue –black top sealant spill. Absorbent material and the street sweeper were used to clean up the area. No sealant was able to enter the storm water system.

OPERATIONS AND MAINTENANCE PROGRAM

PART 2 – VEHICLE MAINTENANCE, FUELING AND WASHING

1. VEHICLE MAINTENANCE

Vehicle maintenance is performed at the city highway garage. All city owned vehicles are maintained at this facility with the exception of all Fire Dept vehicles. The Fire Dept uses a commercial facility to make needed repairs and perform maintenance.

Commercial oil dry absorbent material is used to clean up all oil and other fluid spills.

Cintas Services provides shop rags for the garage. Dirty/oily rags are stored in a metal container provided by the vendor. They are picked up and cleaned on a weekly basis.

Mechanics use drip pans to collect used oil and other spent fluids. This material is collected in 55 gal drums and later picked up by a local vendor. Used batteries are stored inside the garage on a wooden skid. They are then returned for a core deposit.

2. VEHICLE FUELING

All vehicle fueling takes place at the city highway garage. The city's fueling facility is equipped with double walled fiberglass tanks with interstitial monitoring, double walled piping and suction pumps. The tanks are equipped with overfill protection and have overfill alarms installed in the leak monitoring system. Emergency spill procedures and contact numbers are listed on a sign at the pumps. Spill clean-up kits and bulk absorbent material are also provided in the fueling area.

3. VEHICLE WASHING

The majority of city owned vehicles are washed at local commercial facilities. Maintenance vehicles are washed inside over drains that are connected to the city's sanitary sewer system. Any necessary outside washing due to equipment break down or size is followed up by the street sweeper. Collected material is disposed of in city dumpsters.

last updated: 2/27/2014

MUNICIPAL EMPLOYEE MS4 TRAINING GOALS GUIDE
CITY OF YORK, PA

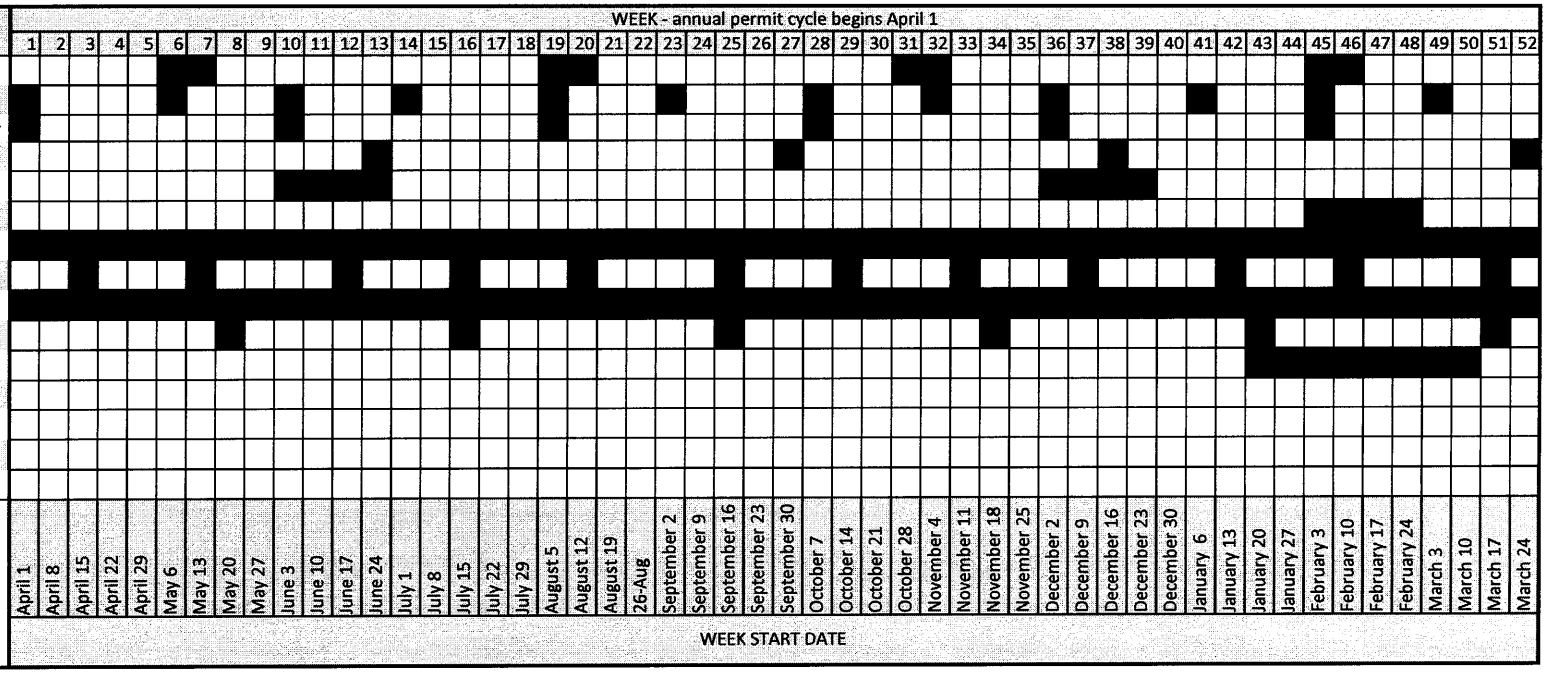
#	Employee Group	Education Outreach & Training Activity	Responsible Staff	Goal	Target	Goal Measurement	Permit BMP
1	All Staff	Include a stormwater article in each ***employee newsletter***. Topics can include illicit discharge, housekeeping, general education, pollution prevention, etc.	Environmental Bureau Manager	Increase employee knowledge of MS4 program requirements, pollution prevention, and stormwater.	100% employees reached, 4 times per year	% employees reached, times per year	1.2 3.6 6.3
2	All Staff	Post stormwater education items on all employee ***bulletin boards***. Information sources include EPA, DEP, stormwater organizations, etc.	Preparer: Environmental Bureau Manager Posters: Supervisors	Increase employee knowledge of MS4 program requirements, pollution prevention, and stormwater.	100% bulletin boards posted, reviewed/changed 4 times per year	% of bulletin boards posted, number of times changed/reviewed per year	1.2 3.6 6.3
3	All Staff	Include a stormwater information stuffer in ***paycheck*** envelopes.	Director of Public Works	Increase employee knowledge of MS4 program requirements, pollution prevention, and stormwater.	100% staff reached, once per year	% employees reached per year	1.2 3.6 6.3
4	General Staff	Include an MS4 program status update at every ***Managers' Meeting.***	Director of Public Works	Increase coordination of MS4 activities across departments. Increase employee knowledge of MS4 program requirements, pollution prevention, and stormwater.	100% of meetings	% of meetings	1.2 3.6 6.3
5	Select Field Staff	Annual ***pesticide, herbicide, fertilizer*** training for applicators, including use of Integrated Pest Management (IPM).	Highway Superintendent	Pollution prevention and reduction. Decrease the amount of pesticide, herbicide, and fertilizer applied to municipal facilities.	as required by regulation	2 applicators on staff at all times	6.3
6	Field Staff	Provide training to ***all responsible Public Works field staff*** must (include illicit discharge).	Highway Superintendent, Sanitary Sewer Maintenance Supervisor	Increase employee knowledge of MS4 program requirements, pollution prevention, and stormwater. Prevent or reduce the discharge of pollutants from municipal operations.	100% field staff reached per permit cycle	field staff trained per permit cycle	3.6 6.3
7	General Staff	Provide basic MS4 training to ***all general staff***, including illicit discharges (include Fire and Police personnel). Piggy-back on Human Resources mandatory training sessions.	Director of Public Works, Highway Superintendent, Emergency Management Planner(Police/Fire)	Increase employee knowledge of MS4 program requirements, pollution prevention, and stormwater. Prevent or reduce the discharge of pollutants from municipal operations.	100% general staff reached per year	general staff trained per permit cycle	3.6 6.3
8	Task Force	Convene ***Task Force Meetings*** as necessary to ensure MS4 permit requirements are met.	Director of Public Works	Ensure permit requirements are met, and increase coordination of MS4 activities across departments. Prevent or reduce the discharge of pollutants.	4 to 12 times per year	Task Force meetings held per year	1.2 3.6 6.3
9	Task Force	***Task Force member continuous education*** via courses, webinars, seminars, etc.	Task Force members	Keep abreast of stormwater issues, meet permit requirements, and improve the MS4 program.	12 contact hours	total contact hours per year	6.3
10	City Council	Brief ***City Council*** during Council Committee meetings regarding the MS4 program in general and MS4 progress, issues, and activities.	Director of Public Works	Educate City Council about the MS4 permit and stormwater program needs. Inform the public *via* WRCT, and increase knowledge of the MS4 program.	2 times per year	briefings per year	2.1 3.6 6.3
11	New Mayor	Brief ***newly elected mayor*** on MS4 permit and program requirements. Discuss required inter-departmental coordination necessary to meet permit requirements.	Director of Public Works	Ensure permit requirements are met, and increase coordination of MS4 activities across departments. Prevent or reduce the discharge of pollutants.	1 time per election turnover	briefings per election turnover	6.3

Employee MS4 Education Schedule Guide

City of York, PA

last updated: 2/27/2014

#	ACTIVITY[1]	RESPONSIBLE STAFF
1	Employee newsletter[2]	EBM
2	**Bulletin boards[2]**	**EBM**
3	Paycheck stuffers[2]	DPW
4	**Managers' meeting[2]**	**DPW**
5	Pest/herbicide/fertilizer	HS
6	**Field staff training[2]**	**HS SSMS**
7	General staff training[2]	DPW EMP HS
8	**Task Force meetings**	**DPW**
9	Task Force education	TFM
10	**City Council briefings**	**DPW engineer**
11	New mayor briefing	DPW engineer



NOTES: [1]Submit all training, education and posting documentation to Veronica Chavez by April 30th for inclusion in the PADEP annual report. Inlcude date, title, syllabus/flyer, contact hours, host/presentor, brochure, minutes, etc)

[2]Illicit discharge material must be covered at least once per year to meet BMP 3.6 requirements.

Responsible Staff Key:

DPW - Director of Public Works
EBM - Environmental Bureau Manager
EMP - Emergency Management Planner
HS - Highway Superintendent
SSMS - Sanitary Sewer Maintenance Supervisor
TFM- Task Force members

NOTES:

City of York, PA
MCM #6 2013-2014 Employee Training Summary

Date	Training Title	Sponsor	Contact Hours or CEU	Employees Attending				
				WWTP	Highway	Other Public Works	Non-Public Works	Total
3/11/2013	York Adams Smart Growth Event on Chesapeake Bay Watershed Implementation Plan TMDL	Realtors Association of York & Adams County	1.50	2	1	0	0	3
3/14/2013	Managing Stormwater Collectively, Locally and Efficiently	Environmental Finance Center	3.00	1	0	0	0	1
3/14/2014	Pennsylvania MS4 Phase II Financing Forum	Environmental Finance Center	3.00	0	0	1		1
3/14/2014	Pennsylvania MS4 Phase II Financing Forum	Environmental Finance Center	3.00	0	0	1	0	1
3/26/2014	Estimating Pollutant Loads & Managing BMPs	Chesapeake Bay Foundation, URS	0.75	0	0	1	0	1
4/3/2013	Urban BMPs and the Bay TMDL: A User's Guide	Chesapeake Stormwater Network	3.75	2	0	0	0	2
5/1/2013	Benefitting from Green Infrastructure: Financing Strategies for York, PA	American Rivers and Environmental Finance Center	5.00	2	1	1	1	5
7/10/2013	Stormwater Best Management Practice Handbook: Industrial and Commercial	Office of Water Programs: California State University at Sacramento	2.00	1	0	0	0	1
9/19/2013	Regional Chesapeake Bay Pollution Reduction Plan Kick-Off Meeting	York County Planning Commission	3.00	2	0	0	0	2
9/24/2013	Manager's Meeting Introduction to MS4 Permit	City of York Dept. of Public Works	0.30	5	1	1	26	33
10/2/2013	Stormwater Facility Operation and Maintenance	LTAP	7.00	0	9	0	0	9
11/15/2013	Managing Stormwater	Adams Co Conservation District & Penn State Cooperative Extension	6.00	1	0	0	0	1
12/18/2013	Stormwater Best Management Practice Handbook: New Development & Redevelopment	Office of Water Programs: California State University at Sacramento	2.00	1	0	0	0	1
1/27/2014	MS4 Permit Requirements: Putting the Pieces Together	Chesapeake Bay Foundation, William Penn Foundation, URS	5.00	1	0	1	0	2

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT TASK FORCE MEETING

April 11, 2013

Agenda

DOCUMENTATION, DOCUMENTATION, DOCUMENTATION

1) Task Force members / responsibility

Veronica Whaley-Chavez

Task Force Leader
Central Point of Contact for Illicit Discharges

Jennie Sherry - Planner

Documented check off for Erosion and Sedimentation plans on all development plans prior to issuance of Building Permits

Provide information piece to all customers pulling a permit related to site runoff control

Set up Monthly plan review meeting

Jeff Shue / Derek Rinaldo

Post Construction BMP inventory
Preparation of Annual Reports

A.J. Grim / Jack Longstreet

Inspections of outfalls twice per year
Inspection and cleaning of stormwater system
Annual Inspections of BMP's
Maintenance of Garage areas
Winter Maintenance
Employee Training

Cassie Dennis

Training in schools related to MS4 – Don't dump in storm drains
Newsletter

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT
TASK FORCE MEETING

April 11, 2013

Agenda

DOCUMENTATION, DOCUMENTATION, DOCUMENTATION

1) Task Force members / responsibility

Veronica Whaley-Chavez

Task Force Leader
Central Point of Contact for Illicit Discharges

Jennie Sherry - Planner

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Maintenance of Garage areas
Winter Maintenance
Employee Training

Cassie Dennis

Training in schools related to MS4 – Don't dump in storm drains
Newsletter

Tom King / India Banks

Website

Michael Shanabrook

GIS mapping

- Zoning Officer

Stormwater violations – Enforcement

2) Other business

Submit items for Annual Report

American Rivers

NEXT MEETING – THURSDAY, JULY 11, 2013 @ 2:00 P.M.

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT TASK FORCE

Summary of Meeting
April 11, 2013

OPENING

A Municipal Separate Storm Sewer System (MS4) Permit Task Force meeting was held April 11, 2013 at 2:00 p.m. at 101 South George Street, Room 205. The purpose of the task force is to address MS4 permit deficiencies and ensure long-term MS4 permit compliance. An agenda was distributed. The Director of Public Works, James E. Gross, chaired the meeting. In attendance were:

Director of Public Works, James E. Gross
City Engineer, Jeff Shue, C.S. Davidson, Inc.
City Planner, Jennie Sherry
Deputy Business Administrator of Information Services, Tom King
Engineering Technician, Derek Rinaldo, C.S. Davidson, Inc.
Emergency Management Planner, Michael Shanabrook
Environmental Bureau Manager, Cassie Dennis
Highway Superintendent, AJ Grimm
Operations Manager, India Banks
Pretreatment Permit and Compliance Manager, Veronica Chavez
Sanitary Sewer Maintenance Supervisor, Jack Longstreet

TASK FORCE MEMBER/STAFF UPDATE

The status of tasks assigned to each task force member was reviewed.

Business Administrator of IS: The City of York selected ESRI ArcGIS Online to store shape files. Data is accessible *via* desktop and iPad-mini. Data can be updated directly from the iPads in the field. Jason Winters is the contact regarding the GIS data.

City Planner: Monthly plan review meetings continue. Stormwater handouts are located behind the Permits counter. A new Zoning Officer is scheduled to start work on April 22, 2013. Stormwater-related worksheets all reference the Permits desk for one-stop- shopping and information distribution.

Emergency Management Planner: The Emergency Management Planner has not received any plans from C. S. Davidson, Inc. to be archived in the vault for approximately two years. Examples of specific plans were given. The City Engineer and Engineering Technician will review projects and submit plans.

Engineering Technician: A draft MS4 annual report was distributed for review. Please submit comments to C. S. Davidson. Items that are not finalized are in bold type. The summary for MCM #3 needs to be completed: the Pretreatment Permit and Compliance Manager and Sanitary Sewer Maintenance Supervisor will complete. The Highway Superintendent will review MCM #6. MCMs #1, #2, #4 and #5 also need to be reviewed by City staff. The annual report is due to PADEP by June 7, 2013. No due date for comments was proposed.

Weekly Citywide engineer inspection reports are being distributed. If any sites are not included in the reports that should be, please contact C. S. Davidson: notifications regarding permit issuance are still not being provided.

Environmental Bureau Manager: The school environmental education program will be completed by the end of May this year. Five of seven schools requested the education program. The interactive education stormwater model will be used in City of York elementary schools. Time stamped photos will be taken of the events and submitted.

Highway Superintendent: All vehicles at the North Broad Street highway garage are washed indoors with the exception of the street sweeper due to water pressure needs. The debris from washing the street sweeper outdoors is swept up and disposed of properly. There is no ability for indoor vehicle washing at the Vander Avenue Parks Department facility: this needs to be rectified. The Walnut Street salt dome area is regularly maintained; however, improvements are needed regarding debris and refuse management.

Operations Manager: Stormwater website information is up-to-date. The BMP inventory files will be centrally located with the Operations Manager.

Sanitary Sewer Maintenance Supervisor: The Sanitary Sewer Maintenance Supervisor has been working on operations and maintenance (O & M) agreements and the BMP inventory. Complete files must be created for each project. The new O & M worksheet is now being used: the first developments to use the new process are 403-405 South Albemarle Street and 234-241 South Court Street. Much work needs to be done to bring past projects up to speed. The following developments are currently being examined: St. Matthew's Evangelical Lutheran Church, Catholic Harvest Pantry, and the Bantz Park parking lot. The Engineering Technician will forward a copy of the Bantz Park parking lot plan to the Sanitary Sewer Maintenance Supervisor.

Pretreatment Permit and Compliance Manager: An overview of Chesapeake Bay Pollutant Reduction Plan requirements was presented, as well as the differences between a Bay Plan and a TMDL Plan. PADEP's Bay Plan guidance document is scheduled to be released by the end of April 2013. A draft skeleton Bay Plan was distributed. Targeted work teams were proposed to complete plan components. The Pretreatment Permit and Compliance Manager will schedule a meeting regarding assignments for completing the Bay Plan. The attendance sheet for the March 7, 2013 in-house MS4 training session will be sent to the Engineering Technician.

OTHER RELATED BUSINESS

American Rivers: A stormwater workshop is scheduled for May 1, 2013.

St. Matthew's Evangelical Lutheran Church: Two stormwater BMPs were required for the St. Matthew's Evangelical Lutheran Church land development. They were not installed. The City of York is still holding bond monies for the project. The Task Force discussed how to proceed, and whether the grass infiltration strip should be required. The water quality inlet device will be installed. The church/contractor will be contacted regarding installing the grass infiltration strip at the church property or installing another water quality BMP at another location (Bantz Park small parking area).

Permit Issuance: C.S. Davidson was not notified that a permit was lifted for the Wellspan project located at 1401 Roosevelt Avenue. The Engineering Technician happened to drive by and noticed that the building was demolished. Project oversight cannot occur unless they are notified that a permit has been issued.

NEXT MEETING

The next MS4 Task Force meeting will be held Thursday, July 11, 2013 at 2:00 p.m. in Room 205.

ADJOURNMENT

The meeting adjourned at approximately 3:40 p.m.

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT TASK FORCE MEETING

July 11, 2013

Agenda

DOCUMENTATION, DOCUMENTATION, DOCUMENTATION

MCM #1 Public Education and Outreach on Stormwater Impacts

BMP #1 – Public Education and Outreach Program

Jim Gross, Jack Longstreet, Veronica Chavez
C. S. Davidson WAY

YCRC - VIDEO

BMP #2 – Lists of Target Audiences

Jim Gross, Jack Longstreet

BMP #3 – Newsletter, website, etc.

Cassie Dennis, India Banks, Tom King WAY

BMP #4 – Distribute educational materials to target audiences

All

DOCUMENT # PUT IN PACK 3 INDIA

MCM #2 Public Involvement / Participation

DEMONSTRATION RAIN GARDEN CITY HALL

BMP #1 – Public Involvement and Participation Program (PIPP)

Jack Longstreet, Veronica Chavez, Jennie Sherry
C. S. Davidson

BMP #2 – Prior to ordinance adoption, provide notice

BMP #3 – Solicit public involvement and participation

PUBLIC MEETING

MCM #3 Illicit Discharge Detection and Elimination

BMP #1 – Written Program for IDD&E

Veronica Chavez, Jennie Sherry, Steve DeMerritt

BMP #2 – Maps

Michael Shanabrook, Jack Longstreet, Aaron Grimm, C. S. Davidson

BMP #3 – Update mapping

Michael Shanabrook, Jack Longstreet, Aaron Grimm, C. S. Davidson

BMP #4 – Outfall screening

Jack Longstreet, Aaron Grimm, Veronica Chavez

BMP #5 – Enact stormwater ordinance

Jim Gross, C. S. Davidson

BMP #6 – Education to employees, businesses, property owners, public

Jack Longstreet, Veronica Chavez, Aaron Grimm, Cassie Dennis, Jennie Sherry Steve DeMerritt

MANAGERS MEETING

MCM #4 Construction Site Stormwater Runoff Control

BMP #1 – Permitting, inspection, enforcement and maintenance

C. S. Davidson, Jack Longstreet, Jennie Sherry, Steve DeMerritt

BMP #2 – Enact, implement, and enforce ordinance

Jim Gross, C. S. Davidson, York County Conservation

BMP #3 – Construction site operations

York County Conservation

BMP #4 – Procedure for public inquiries regarding construction activities

York County Conservation, Veronica Chavez

MCM #5 Post-Construction Stormwater Management (PCSM)

BMP #1 – Written procedure to address all required components of MCM

C. S. Davison, Jennie Sherry

SW
As Builts

BMP #2 – Require implementation of BMP's

C. S. Davidson, Jennie Sherry, Steve DeMerritt

BMP #3 – Ensure controls are in place to prevent water quality impacts

C. S. Davidson, Jennie Sherry, Steve DeMerritt

BMP #4 – Ordinance to address post-construction runoff

Jim Gross, C. S. Davidson

BMP #5 – Low Impact Development

Jennie Sherry, C. S. Davidson

BMP #6 – Operation and Maintenance of post-construction BMP's

Jack Longstreet, C. S. Davidson

MCM #6 Pollution Prevention / Good Housekeeping for Municipal Operations

* MAP
photos
description

BMP #1 – Identify and document all municipal facilities and activities that generate stormwater runoff

Jack Longstreet, Aaron Grimm, C. S. Davidson, Michael Shanabrook

BMP #2 – Written O&M program

Aaron Grimm, Jack Longstreet, Jim Gross

BMP #3 – Training program

Aaron Grimm, Jack Longstreet

NEXT MEETING – THURSDAY, October 10, 2013 @ 2:00 P.M.

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT TASK FORCE
Summary of Meeting, July 11, 2013

OPENING

A Municipal Separate Storm Sewer System (MS4) Permit Task Force meeting was held July 11, 2013 at 2:00 p.m. at 101 South George Street, Room 205. The purpose of the task force is to ensure compliance with the City of York's National Pollution Discharge Elimination (NPDES) MS4 permit. An agenda was distributed. The Director of Public Works, James E. Gross, chaired the meeting. In attendance were:

Director of Public Works, James E. Gross
City Engineer, Jeff Shue, C.S. Davidson, Inc.
Deputy Business Administrator of Information Services, Tom King
Engineering Technician, Derek Rinaldo, C.S. Davidson, Inc.
Emergency Management Planner, Michael Shanabrook
Highway Superintendent, Aaron Grimm
Pretreatment Permit and Compliance Manager, Veronica Chavez
Sanitary Sewer Maintenance Supervisor, Jack Longstreet
Steve DeMerritt, Zoning Officer

The meeting was organized by permit-required minimum control measures (MCM). Best management practices (BMP) and assignments were discussed.

➔ *An assignment summary table is located at the end of this document.*

MCM#1 PUBLIC EDUCATION AND OUTREACH ON STORMWATER IMPACTS

BMP#1. Public Education and Outreach Program
Assigned to: Jim Gross, Jack Longstreet, Veronica Chavez, CS Davidson

BMP#2. Lists of Target Audiences
Assigned to: Jim Gross, Jack Longstreet

BMP#3. Newsletter, website, etc.
Assigned to: Cassie Dennis, India Banks, Tom King

BMP#4. Distribute educational materials to target audiences
Assigned to: All

The City will move forward implementing the revised Public Education Plan (PEP). Perhaps a video can be put together for community access television working with Steve Busch, White Rose Community Television. The web presence for stormwater was changed. The 2012-2013 permit annual report will be posted on the internet. The City of York will need to reach out to participants in the WAY program to increase the presence of the City at environmental events to spread the word about stormwater. An opportunity for educating the public will occur August 3 at the 4th annual Shank's Mare's art and outdoor fest. City staff could man an educational table of stormwater information. The City needs to increase its presence at these types of events. Staff will need to count the persons that visit the table to provide measureable data on outreach for the annual report. A stormwater information rack is now located in the 1st floor of City Hall. Publications similar to the ones provided in Lancaster will need to be purchased or obtained through donation to fill the rack. It is important that someone be assigned to maintaining the rack and counting the number of fliers taken by the public as a measure of outreach, and to restock materials. Perhaps The York Water Company can sponsor the purchase of stormwater brochures. A presentation to City Council sometime in the fall would be beneficial, as well as a presentation to directors. The revised PEP has a list of target audiences that will be reviewed and added to as needed.

MCM#2. PUBLIC INVOLVEMENT/ PARTICIPATION

BMP#1. Public Involvement and Participation Plan (PIPP)
Assigned to: Jack Longstreet, Veronica Chavez, Jennie Sherry, CS Davidson

Ideas presented at the meeting for involving the public in stormwater-related activities, were:

- Perhaps in future stormwater programs, the City can track public volunteer hours and provide recognition and a T-shirt after completion of a number of hours.
- The City could promote the stormwater related programs provided by other organizations such as PennState Extension, Master Watershed Steward Program, etc.
- It is possible that the City can involve the public to increase stormwater awareness by hosting a rain barrel event (how to make, how to use, the benefits).
- A demonstration rain garden at City hall with informational signs would provide a high-profile location to educate the public and probably reduce maintenance costs and staff time.

MCM#3. ILLICIT DISCHARGE DETECTION AND ELIMINATION

BMP#1. Written Program for IDDE
Assigned to: Veronica Chavez, Jennie Sherry, Steve DeMerritt

BMP#2. Maps
Assigned to: Mike Shanabrook, Jack Longstreet, Aaron Grimm, CS Davidson

BMP#3. Update Mapping
Assigned to: Mike Shanabrook, Jack Longstreet, Aaron Grimm, CS Davidson

BMP#4. Outfall Screening
Assigned to: Jack Longstreet, Aaron Grimm, Veronica Chavez

The Engineering Technician reminds staff that priority outfalls screenings need to be performed yearly. Staff are waiting for a dry-weather period to perform outfall inspections.

BMP#5. Enact Stormwater Ordinance
Assigned to: Jim Gross, CS Davidson

BMP#6. Education to Employees, Businesses, Property Owners, Public
Assigned to: Jack Longstreet, Veronica Chavez, Aaron Grimm, Cassie Dennis, Jennie Sherry, Steve DeMerritt

MCM#4. CONSTRUCTION SITE STORMWATER RUNOFF

BMP#1. Permitting, Inspection, Enforcement and Maintenance
Assigned to: CS Davidson, Jack Longstreet, Jennie Sherry, Steve DeMerritt

The small projects stormwater guide is in effect. It is essential that the City Engineer be informed when permits are issued: without such notification, the necessary inspections and oversight cannot be performed. It is also important that stormwater information is disseminated to customers lifting permits. The Zoning Officer states that any applicable materials can be attached to permits, however, he currently does not have any handouts. If someone on the Task Force could send him items, he will distribute the handouts when permits are issued.

BMP#2. Enact, Implement, and Enforce Ordinance
Assigned to: Jim Gross, CS Davidson, York County Conservation District

BMP#3. Construction Site Operations
Assigned to: York County Conservation District

BMP#4. Procedure for Public Inquiries Regarding Construction Activities
Assigned to: York County Conservation District, Veronica Chavez

MCM#5. POST-CONSTRUCTION STORMWATER MANAGEMENT

BMP#1. Written Procedure to Address All Required Components of MCM
Assigned to: CS Davidson, Jennie Sherry

As-built stomrwater plans were discussed. The ordinance requires that as-built plans of stormwater BMPs and infrastructure be provided to the municipality. As-built plans are critical to performing the required periodic post-construction inspections. Many municipalities are not requiring developers to provide these plans. Since this requirement is the same for all municipalities in York County, perhaps the York County Planning Commission can send a letter out to all firms known to do business in the area and inform them of the requirement. The City of York will require the submission of as-built plans, and financial security will not be released until plans are submitted.

BMP#2. Require Implementation of BMPs
Assigned to: CS Davidson, Jennie Sherry, Steve DeMerritt

BMP#3. Ensure Controls are in Place to Prevent Water Quality Impacts
Assigned to: CS Davidson, Jennie Sherry, Steve DeMerritt

BMP#4. Ordinance to Address Post-Construction Runoff
Assigned to: Jim Gross, CS Davidson

BMP#5. Low Impact Development
Assigned to: Jennie Sherrie, CS Davidson

BMP#6. Operation and Maintenance of Post-Construction BMPs
Assigned to: Jack Longstreet, CS Davidson

MCM#6. POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMP#1. Identify and Document All Municipal Facilities and Activities that Generate Stormwater
Assigned to: Jack Longstreet, Aaron Grimm, CS Davidson, Mike Shanabrook

Mike Shanabrook will be able to prepare a map of all municipal facilities, which will be used as a starting point for this BMP.

Sediment from Memorial Stadium was discussed. Jack Longstreet observed sediment-laden runoff generated from the ball field. Perhaps measures can be put in place to address the erosion. Also, the stormwater basin is an excellent retrofit opportunity to provide water quality benefits.

BMP#2. Written Operations and Maintenance Program
Assigned to: Aaron Grimm, Jack Longstreet, Jim Gross

BMP#3. Training Program
Assigned to: Aaron Grimm, Jack Longstreet

Training for Recreation and Parks, as well as ice rink employees, was briefly discussed.

OTHER RELATED BUSINESS

The Environmental Finance Center (EFC) is applying for a grant to identify stormwater pilot projects in select Pennsylvania communities, including York. The City of York provided EFC with a letter of support.

The York County Planning Commission (YCPC) recently discussed the possibility of a county-wide Chesapeake Bay Pollutant Reduction Plan, instead of each municipality submitting separate plans. The City of York Public Works Director informed YCPC that the City of York is interested in partnering in a joint plan, but the City must have a letter from PADEP or USEPA in support of the idea to ensure permit compliance.

The City Engineer is part of a project in Lititz, PA that involves green infrastructure planning. An application will be submitted by August 1st to the National Fish and Wildlife Foundation (NFWF) to help integrate green infrastructure practices in municipal projects.

East and West Market Streets will be resurfaced. The corridor will be examined for Americans with Disabilities Act (ADA) issues as well as locations where green infrastructure can be implemented.

The new Rabbit Transit bus stop on Pennsylvania Avenue in the industrial park, which will service HACC, requires stormwater improvements. In lieu of on-site improvements, the City of York's receiving stormwater basin will be improved (an orifice plate will be installed) by the developer.

Improvements to the swale at the rear of 280 East Street (RecOil) are complete. A new stormwater crossing under the railroad tracks was installed.

Illegal dumping of material has occurred at the salt dome yard.

Clean fill disposal is an issue: it is difficult to find places to accept the material.

NEXT MEETING

Thursday, October 10, 2013 at 2:00 p.m.

ADJOURNMENT

The meeting adjourned at approximately 3:00 p.m.

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT TASK FORCE
Summary of Meeting, July 11, 2013

MCM #	Minimum Control Measure	Best Management Practice #	Assigned to...
1	Public Education and Outreach on Stormwater Impacts	1. Public Education and Outreach Program	CS Davidson, Jim Gross, Jack Longstreet, Veronica Chavez
		2. Lists of Target Audiences	Jim Gross, Jack Longstreet
		3. Newsletter, website, etc.	India Banks, Cassie Dennis, Tom King
		4. Distribute educational materials to target audiences	All
2	Public Involvement/Participation	1. Public Involvement and Participation Program (PIPP)	CS Davidson, Jack Longstreet, Veronica Chavez, Jennie Sherry
		2. Prior to ordinance adoption, provide notice	
		3. Solicit public involvement and participation	
3	Illicit Discharge Detection and Elimination	1. Written program for IDDE	Veronica Chavez, Steve DeMerritt, Jennie Sherry,
		2. Maps	CS Davidson, Aaron Grimm, Jack Longstreet, Mike Shanabrook
		3. Update mapping	CS Davidson, Aaron Grimm, Jack Longstreet, Mike Shanabrook
		4. Outfall screening	Jack Longstreet, Veronica Chavez, Aaron Grimm
		5. Enact stormwater ordinance	CS Davidson, Jim Gross
		6. Education to employees, businesses, property owners, public	Jack Longstreet, Veronica Chavez, Aaron Grimm, Cassie Dennis, Jennie Sherry, Steve DeMerritt
4	Construction Site Stormwater Runoff Control	1. Permitting, inspection, enforcement, and maintenance	CS Davidson, Steve DeMerritt, Jack Longstreet, Jennie Sherry
		2. Enact, implement and enforce ordinance	CS Davidson, Jim Gross, York County Conservation District
		3. Construction site operations	York County Conservation District
		4. Procedure for public inquiries regarding construction activities	York County Conservation District, Veronica Chavez
5	Post-Construction Stormwater Management	1. Written procedure to address all required components of MCM	CS Davidson, Jennie Sherry
		2. Require implementation of BMPs	CS Davidson, Jennie Sherry, Steve DeMerritt
		3. Ensure controls are on place to prevent water quality impacts	CS Davidson, Jennie Sherry, Steve DeMerritt
		4. Ordinance to address post-construction runoff	CS Davidson, Jim Gross
		5. Low impact development	CS Davidson, Jennie Sherry
		6. Operation and maintenance of post-construction BMPs	CS Davidson, Jack Longstreet,
6	Pollution Prevention, Good Housekeeping for Municipal Operations	1. Identify and document all municipal facilities and activities that generate stormwater runoff	CS Davidson, Aaron Grimm, Jack Longstreet, Mike Shanabrook
		2. Written operations and maintenance program	Jim Gross, Aaron Grimm, Jack Longstreet,
		3. Training program	Aaron Grimm, Jack Longstreet

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT TASK FORCE
Summary of Meeting, July 11, 2013

MCM #	Minimum Control Measure	Best Management Practice #	Assigned to...
1	Public Education and Outreach on Stormwater Impacts	1. Public Education and Outreach Program	CS Davidson, Jim Gross, Jack Longstreet, Veronica Chavez
		2. Lists of Target Audiences	Jim Gross, Jack Longstreet
		3. Newsletter, website, etc.	India Banks, Cassie Dennis, Tom King
		4. Distribute educational materials to target audiences	All
2	Public Involvement/Participation	1. Public Involvement and Participation Program (PIPP)	CS Davidson, Jack Longstreet, Veronica Chavez, Jennie Sherry
		2. Prior to ordinance adoption, provide notice	
		3. Solicit public involvement and participation	
3	Illicit Discharge Detection and Elimination	1. Written program for IDDE	Veronica Chavez, Steve DeMerritt, Jennie Sherry,
		2. Maps	CS Davidson, Aaron Grimm, Jack Longstreet, Mike Shanabrook
		3. Update mapping	CS Davidson, Aaron Grimm, Jack Longstreet, Mike Shanabrook
		4. Outfall screening	Jack Longstreet, Veronica Chavez, Aaron Grimm
		5. Enact stormwater ordinance	CS Davidson, Jim Gross
		6. Education to employees, businesses, property owners, public	Jack Longstreet, Veronica Chavez, Aaron Grimm, Cassie Dennis, Jennie Sherry, Steve DeMerritt
4	Construction Site Stormwater Runoff Control	1. Permitting, inspection, enforcement, and maintenance	CS Davidson, Steve DeMerritt, Jack Longstreet, Jennie Sherry
		2. Enact, implement and enforce ordinance	CS Davidson, Jim Gross, York County Conservation District
		3. Construction site operations	York County Conservation District
		4. Procedure for public inquiries regarding construction activities	York County Conservation District, Veronica Chavez
5	Post-Construction Stormwater Management	1. Written procedure to address all required components of MCM	CS Davidson, Jennie Sherry
		2. Require implementation of BMPs	CS Davidson, Jennie Sherry, Steve DeMerritt
		3. Ensure controls are on place to prevent water quality impacts	CS Davidson, Jennie Sherry, Steve DeMerritt
		4. Ordinance to address post-construction runoff	CS Davidson, Jim Gross
		5. Low impact development	CS Davidson, Jennie Sherry
		6. Operation and maintenance of post-construction BMPs	CS Davidson, Jack Longstreet,
6	Pollution Prevention, Good Housekeeping for Municipal Operations	1. Identify and document all municipal facilities and activities that generate stormwater runoff	CS Davidson, Aaron Grimm, Jack Longstreet, Mike Shanabrook
		2. Written operations and maintenance program	Jim Gross, Aaron Grimm, Jack Longstreet,
		3. Training program	Aaron Grimm, Jack Longstreet

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT TASK FORCE MEETING

October 10, 2013

Agenda

DOCUMENTATION, DOCUMENTATION, DOCUMENTATION

MCM #1 Public Education and Outreach on Stormwater Impacts

BMP #1 – Public Education and Outreach Program

Jim Gross, Jack Longstreet, Veronica Chavez
C. S. Davidson

BMP #2 – Lists of Target Audiences

Jim Gross, Jack Longstreet

BMP #3 – Newsletter, website, etc.

Cassie Dennis, India Banks, Tom King

BMP #4 – Distribute educational materials to target audiences

All

MCM #2 Public Involvement / Participation

BMP #1 – Public Involvement and Participation Program (PIPP)

Jack Longstreet, Veronica Chavez, Jennie Sherry
C. S. Davidson

BMP #2 – Prior to ordinance adoption, provide notice

BMP #3 – Solicit public involvement and participation

MCM #3 Illicit Discharge Detection and Elimination

BMP #1 – Written Program for IDD&E

Veronica Chavez, Jennie Sherry, Steve DeMerritt

BMP #2 – Maps

Michael Shanabrook, Jack Longstreet, Aaron Grimm, C. S. Davidson

BMP #3 – Update mapping

Michael Shanabrook, Jack Longstreet, Aaron Grimm, C. S. Davidson

BMP #4 – Outfall screening

Jack Longstreet, Aaron Grimm, Veronica Chavez

BMP #5 – Enact stormwater ordinance

Jim Gross, C. S. Davidson

BMP #6 – Education to employees, businesses, property owners, public

Jack Longstreet, Veronica Chavez, Aaron Grimm, Cassie Dennis, Jennie Sherry Steve DeMerritt

MCM #4 Construction Site Stormwater Runoff Control

BMP #1 – Permitting, inspection, enforcement and maintenance

C. S. Davidson, Jack Longstreet, Jennie Sherry, Steve DeMerritt

BMP #2 – Enact, implement, and enforce ordinance

Jim Gross, C. S. Davidson, York County Conservation

BMP #3 – Construction site operations

York County Conservation

BMP #4 – Procedure for public inquiries regarding construction activities

York County Conservation, Veronica Chavez

MCM #5 Post-Construction Stormwater Management (PCSM)

BMP #1 – Written procedure to address all required components of MCM

C. S. Davison

BMP #2 – Require implementation of BMP's

C. S. Davidson, Jennie Sherry, Steve DeMerritt

BMP #3 – Ensure controls are in place to prevent water quality impacts

C. S. Davidson, Jennie Sherry, Steve DeMerritt

BMP #4 – Ordinance to address post-construction runoff

Jim Gross, C. S. Davidson

BMP #5 – Low Impact Development

Jennie Sherry, C. S. Davidson

BMP #6 – Operation and Maintenance of post-construction BMP's

Jack Longstreet, C. S. Davidson

MCM #6 Pollution Prevention / Good Housekeeping for Municipal Operations

BMP #1 – Identify and document all municipal facilities and activities that generate stormwater runoff

Jack Longstreet, Aaron Grimm, C. S. Davidson, Michael Shanabrook

BMP #2 – Written O&M program

Aaron Grimm, Jack Longstreet, Jim Gross

BMP #3 – Training program

Aaron Grimm, Jack Longstreet

City Planner

Documented check off for Erosion and Sedimentation plans on all development plans prior to issuance of Building Permits

Provide information piece to all customers pulling a permit related to site runoff control

Set up Monthly plan review meeting

Jeff Shue

Post Construction BMP inventory
Annual Inspections of BMP's
Preparation of Annual Reports

A.J. Grim / Jack Longstreet

Inspections of outfalls twice per year
Inspection and cleaning of stormwater system
Maintenance of Garage areas
Winter Maintenance
Employee Training

Cassie Dennis

Training in schools related to MS4 – Don't dump in storm drains

Tom King / India Banks

Website

Michael Shanabrook

GIS mapping

Steve DeMerritt

Stormwater violations – Enforcement

WORK ITEMS
Environmental Finance Center – University of Maryland – EPA Grant was not awarded.
Review of MCM #1 and #2.

NEXT MEETING – THURSDAY, JANUARY 9, 2013 @ 2:00 P.M.

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT TASK FORCE
Summary of Meeting - October 10, 2013

NEXT MEETING

SCHEDULED: November 14, 2013 at 2:00 p.m. in City Hall, Room 205.

TO DO: Review the working task agenda for MCM #2 – Public Involvement and Participation Program (PIPP) that was distributed and be prepared to discuss at the next meeting.

OPENING

A Municipal Separate Storm Sewer System (MS4) Permit Task Force meeting was held October 10, 2013 at 2:00 p.m. at 101 South George Street, Room 205. The purpose of the task force is to ensure compliance with the City of York's National Pollution Discharge Elimination (NPDES) MS4 permit. The Director of Public Works, James E. Gross, chaired the meeting. In attendance were:

Director of Public Works, James E. Gross
City Engineer, Jeff Shue, C.S. Davidson, Inc.
City Planner, Jennie Sherry
Deputy Business Administrator of Information Services, Tom King
Engineering Technician, Derek Rinaldo, C.S. Davidson, Inc.
Environmental Bureau Manager, Cassie Dennis
Highway Superintendent, Aaron Grimm
Operations Manager, India Banks
Pretreatment Permit and Compliance Manager, Veronica Chavez
Sanitary Sewer Maintenance Supervisor, Jack Longstreet

The meeting focused on the specific tasks of MCM #1 – Public Education and Outreach on Stormwater Impacts. A working task agenda prepared by C.S. Davidson, Inc. was distributed and used to focus the meeting.

MCM #1 – PUBLIC EDUCATION AND OUTREACH ON STORMWATER IMPACTS

The Engineering Technician led task force members through the MCM#1 working agenda. Actions were reviewed and specific staff assigned responsibility for tasks. C. S. Davidson, Inc. will provide a completed MCM#1 project plan based on today's discussion.

The Public Education and Outreach Program (PEOP) was reviewed as required by permit BMP 1.1. Specific review comments are included below.

The target audience list was reviewed as required by BMP 1.2. The inclusion of local conservation groups, with whom the City of York partners for public outreach, in MCM#1 versus MCM#2 was discussed. Example local conservation groups include Keep York Beautiful, Watershed Alliance of York, and the York County Conservation District. Reference to local conservation groups will remain in the PEOP. The following target audiences will be added to the PEOP: school students, elected officials, and property owners. Jack Longstreet will contact the Watershed Alliance of York to include promotion of the City's website in its newsletter.

The new stormwater@yorkcity.org email account is active, and managed by Jack Longstreet. Residents can submit stormwater concerns and questions, and receive a response from the stormwater team.

BMP 1.3 requires annual publication of stormwater educational information in a newsletter, pamphlet, flyer, or website. The publications list and content must be reviewed and updated at least once per year. Each media type and target audience was reviewed and staff were assigned responsibility for the tasks (see Table 1). During review, a new publication format was added: monthly sewer bills can include a short message about stormwater.

Table 1 - BMP 1.3 Tasks

Media	Target Audience	Responsible Staff
Advertise and promote WAY	residents	Jack Longstreet
Count, restock and track stormwater pamphlets at City Hall kiosk	residents, visitors	Cassie Dennis
Articles in the City newsletter (2x/yr)	residents	Cassie Dennis
Article in employee newsletter (4x/yr)	municipal employees	AJ Grimm, Jack Longstreet
Distribute information with permits, track information distributed	contractors, property owners, developers	Steven Buffington, Jennie Sherry
Sewer bill stormwater information (at least 4x/yr)	property owners	India Banks, Cheri Alwine
Website: City stormwater program, DEP & EPA links	residents, property owners, visitors	Jack Longstreet

BMP 1.4 focuses on information distribution methods not covered in BMP 1.3. In addition to the printed material or website requirements of BMP 1.3, a minimum of two additional distribution methods must be used. The task force reviewed the PEOP distribution methods, and specific staff assigned responsibility for tasks (Table 2).

Ideas generated during discussion include: submitting a stormwater banner to scroll at the bottom of White Rose Community Television (WRCT) broadcasts, similar to the one for reporting street potholes; posting the C. S. Davidson, Inc. GIS video on WRCT; and, creating a two minute stormwater public service announcement for WRCT.

Municipal employee training was discussed. All staff will submit training attendance information to Veronica Chavez for inclusion in the annual report. Information will include: date, number of contact hours or CEUs, title, sponsor, and copy of any certificates. No decision was made regarding which staff would be responsible for ensuring that municipal employee training occurred. Goal measurement for municipal employee training was also discussed (i.e., number of employees trained, contact hours, etc.) Veronica Chavez will develop a system of measurement to present to the group for discussion.

Table 2 - BMP 1.4 Tasks

Media	Target Audience	Responsible Staff
Stormwater and recycling education	school students	Cassie Dennis
Training events by government and non-gov't organizations	municipal employees	Veronica Chavez to develop system, item to be revisited
In-house employee training	municipal employees	Veronica Chavez to develop system, item to be revisited
MS4 Task Force Meetings	municipal employees	Jim Gross
MS4 public meeting	deferred to MCM#2 discussion	Deferred to MCM#2 discussion
City Council Committee meetings	elected officials, residents	Jeff Shue
Local cable television (WRCT)	residents, greater York area	Cassie Dennis, AJ Grimm

OTHER RELATED BUSINESS

The National Fish and Wildlife Foundation (NFWF) grant application for integrating green infrastructure practices in municipal projects was denied.

Priority outfall inspections and sampling are complete (barring any new discoveries on the Codorus Creek main stem).

Obtaining and/or rectifying the backlog of operations and maintenance (O&M) agreements is progressing. The City of York will need to budget for, and conduct maintenance on, the BMPs being installed on public property: both private and public BMP maintenance and tracking is required to meet permit requirements.

ADJOURNMENT

The meeting adjourned at approximately 3:30 p.m.

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT TASK FORCE MEETING

November 14, 2013

Agenda

DOCUMENTATION, DOCUMENTATION, DOCUMENTATION

MCM #1 Public Education and Outreach on Stormwater Impacts

BMP #1 – Public Education and Outreach Program

Jim Gross, Jack Longstreet, Veronica Chavez
C. S. Davidson

BMP #2 – Lists of Target Audiences

Jim Gross, Jack Longstreet

BMP #3 – Newsletter, website, etc.

Cassie Dennis, India Banks, Tom King

BMP #4 – Distribute educational materials to target audiences

All

MCM #2 Public Involvement / Participation

BMP #1 – Public Involvement and Participation Program (PIPP)

Jack Longstreet, Veronica Chavez, Jennie Sherry
C. S. Davidson

BMP #2 – Prior to ordinance adoption, provide notice

BMP #3 – Solicit public involvement and participation

MCM #3 Illicit Discharge Detection and Elimination

BMP #1 – Written Program for IDD&E

Veronica Chavez, Jennie Sherry, Steve DeMerritt

BMP #2 – Maps

Michael Shanabrook, Jack Longstreet, Aaron Grimm, C. S. Davidson

BMP #3 – Update mapping

Michael Shanabrook, Jack Longstreet, Aaron Grimm, C. S. Davidson

BMP #4 – Outfall screening

Jack Longstreet, Aaron Grimm, Veronica Chavez

BMP #5 – Enact stormwater ordinance

Jim Gross, C. S. Davidson

BMP #6 – Education to employees, businesses, property owners, public

Jack Longstreet, Veronica Chavez, Aaron Grimm, Cassie Dennis, Jennie Sherry Steve DeMerritt

MCM #4 Construction Site Stormwater Runoff Control

BMP #1 – Permitting, inspection, enforcement and maintenance

C. S. Davidson, Jack Longstreet, Jennie Sherry, Steve DeMerritt

BMP #2 – Enact, implement, and enforce ordinance

Jim Gross, C. S. Davidson, York County Conservation

BMP #3 – Construction site operations

York County Conservation

BMP #4 – Procedure for public inquiries regarding construction activities

York County Conservation, Veronica Chavez

MCM #5 Post-Construction Stormwater Management (PCSM)

BMP #1 – Written procedure to address all required components of MCM

C. S. Davison

BMP #2 – Require implementation of BMP's

C. S. Davidson, Jennie Sherry, Steve DeMerritt

BMP #3 – Ensure controls are in place to prevent water quality impacts

C. S. Davidson, Jennie Sherry, Steve DeMerritt

BMP #4 – Ordinance to address post-construction runoff

Jim Gross, C. S. Davidson

BMP #5 – Low Impact Development

Jennie Sherry, C. S. Davidson

BMP #6 – Operation and Maintenance of post-construction BMP's

Jack Longstreet, C. S. Davidson

MCM #6 Pollution Prevention / Good Housekeeping for Municipal Operations

BMP #1 – Identify and document all municipal facilities and activities that generate stormwater runoff

Jack Longstreet, Aaron Grimm, C. S. Davidson, Michael Shanabrook

BMP #2 – Written O&M program

Aaron Grimm, Jack Longstreet, Jim Gross

BMP #3 – Training program

Aaron Grimm, Jack Longstreet

City Planner

Documented check off for Erosion and Sedimentation plans on all development plans prior to issuance of Building Permits

Provide information piece to all customers pulling a permit related to site runoff control

Set up Monthly plan review meeting

Jeff Shue

Post Construction BMP inventory
Annual Inspections of BMP's
Preparation of Annual Reports

A.J. Grim / Jack Longstreet

Inspections of outfalls twice per year
Inspection and cleaning of stormwater system
Maintenance of Garage areas
Winter Maintenance
Employee Training

Cassie Dennis

Training in schools related to MS4 – Don't dump in storm drains

Tom King / India Banks

Website

Michael Shanabrook

GIS mapping

Steve DeMerritt

Stormwater violations – Enforcement

WORK ITEMS
Review of MCM #2.

NEXT MEETING – THURSDAY, JANUARY 9, 2013 @ 2:00 P.M.

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT TASK FORCE
Summary of Meeting – November 14, 2013

NEXT MEETING

SCHEDULED: January 9, 2014 at 2:00 p.m. in City Hall, Room 205.

TO DO: Be prepared to discuss public education and public involvement (MCM#1 & MCM#2), and employee MS4 training.

OPENING

A Municipal Separate Storm Sewer System (MS4) Permit Task Force meeting was held November 14, 2013 at 2:00 p.m. at 101 South George Street, Room 205. The purpose of the task force is to ensure compliance with the City of York's National Pollution Discharge Elimination (NPDES) MS4 permit. The Director of Public Works, James E. Gross, chaired the meeting. In attendance were:

Director of Public Works, James E. Gross
City Engineer, Jeff Shue, C.S. Davidson, Inc.
City Planner, Jennie Sherry
Engineering Technician, Derek Rinaldo, C.S. Davidson, Inc.
Environmental Bureau Manager, Cassie Dennis
Highway Superintendent, Aaron Grimm
Operations Manager, India Banks
Pretreatment Permit and Compliance Manager, Veronica Chavez
Sanitary Sewer Maintenance Supervisor, Jack Longstreet

The meeting focused on the specific tasks of MCM #2 – Public Involvement / Participation. A working task agenda prepared by C.S. Davidson, Inc. was distributed and used to focus the meeting. Employee MS4 training, which involves multiple MCMs, was also discussed

MCM #2 – PUBLIC INVOLVEMENT / PARTICIPATION

The Engineering Technician led task force members through the MCM#2 working agenda. Actions were reviewed and specific staff assigned responsibility for tasks. C. S. Davidson, Inc. will provide a completed MCM#2 project plan based on today's discussion. The difference between educating the public in MCM#1 and involving the public in the stormwater program in MCM#2 was discussed.

The Public Education and Outreach Program (PEOP) activities required by permit BMP 2.1 were reviewed. Opportunities for the public to participate in decision making, methods of communication with target/partnering groups, and MS4 report availability were discussed. The pros and cons of holding public meetings versus open houses, and how to target audiences, were debated.

Regarding staff responsible for communicating with watershed and environmental groups the following assignments of responsibility were made. Jack Longstreet will be the responsible contact for the Watershed Alliance of York (WAY) MOU, WAY E-news, and the WAY board. Public Works assists and provides material support for WAY watershed clean-up events. Councilman Helfrich was volunteered to be the responsible staff for the Stewards of the Lower Susquehanna River as he is the Riverkeeper for the Lower Susquehanna basin.

Documentation for the Fishing Derby held during trout season opening day will be included in future annual reports.

The annual report, which is currently posted on the City of York website, will continue to be posted by Jack Longstreet: past year's reports will remain on the website for public access. C. S. Davidson is responsible for submitting a pdf version of the report for posting.

BMP 2.2 requires adequate public notice and opportunity for comment prior to the adoption of any ordinance required by the MS4 permit. Public hearings and public meetings were discussed. Veronica Chavez will draft a public notice and comment opportunity procedure and distribute it to the Task Force for review and comment.

BMP 2.3 requires regular solicitation of public involvement and participation from target audience groups, specifically regarding illicit discharge reporting, stormwater program implementation by the public, and public meetings. The illicit discharge reporting will be more thoroughly covered in MCM#3. The following methods of illicit discharge reporting are, and will continue to be, used: telephone number and stormwater email. An illicit discharge information banner will be submitted to WRCT to be included in the loop. A MS4 public meeting was discussed. Possible times or venues include: February Council meeting, Rotary Club meeting, and a non-municipal site. The group thought it beneficial to hold a meeting with the Rotary Club with a follow–up meeting (possibly on-site) to discuss completion of a tree planting project.

Derek Rinaldo will distribute updated MCM#1 and MCM#2 worksheets to everyone in advance of the next meeting so they can be reviewed in a holistic manner.

EMPLOYEE MS4 TRAINING REQUIREMENTS OF MCM#1, MCM#3, and MCM#6

Veronica Chavez distributed a draft system for employee MS4 training. A table describes the training activity, targeted staff, responsible persons, goal, target, goal measurement, and BMP addressed. A companion Gant chart shows the activity, responsible persons, and weeks during the permit year when the activities will take place. Aaron Grimm stated that he would be responsible for ensuring applicable staff were trained on pesticide, herbicide, and fertilizer application, and scheduling field staff to attend LTAP or other stormwater-related training. Veronica Chavez will distribute the table and chart electronically so staff may review and comment on all employee MS4 training components.

OTHER BUSINESS

Cassie Dennis submitted stormwater information to WRCT immediately after the last Task Force meeting. A stormwater banner ad is now included in the loop that scrolls at the bottom of the screen.

ADJOURNMENT

The meeting adjourned at approximately 3:15 p.m.

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT TASK FORCE MEETING

January 9, 2014

Agenda

DOCUMENTATION, DOCUMENTATION, DOCUMENTATION

MCM #1 Public Education and Outreach on Stormwater Impacts

BMP #1 – Public Education and Outreach Program

Jim Gross, Jack Longstreet, Veronica Chavez
C. S. Davidson

BMP #2 – Lists of Target Audiences

Jim Gross, Jack Longstreet

BMP #3 – Newsletter, website, etc.

Cassie Dennis, India Banks, Tom King

BMP #4 – Distribute educational materials to target audiences

All

MCM #2 Public Involvement / Participation

BMP #1 – Public Involvement and Participation Program (PIPP)

Jack Longstreet, Veronica Chavez, Jennie Sherry
C. S. Davidson

BMP #2 – Prior to ordinance adoption, provide notice

BMP #3 – Solicit public involvement and participation

MCM #3 Illicit Discharge Detection and Elimination

BMP #1 – Written Program for IDD&E

Veronica Chavez, Jennie Sherry, Steve DeMerritt

BMP #2 – Maps

Michael Shanabrook, Jack Longstreet, Aaron Grimm, C. S. Davidson

BMP #3 – Update mapping

Michael Shanabrook, Jack Longstreet, Aaron Grimm, C. S. Davidson

BMP #4 – Outfall screening

Jack Longstreet, Aaron Grimm, Veronica Chavez

BMP #5 – Enact stormwater ordinance

Jim Gross, C. S. Davidson

BMP #6 – Education to employees, businesses, property owners, public

Jack Longstreet, Veronica Chavez, Aaron Grimm, Cassie Dennis, Jennie Sherry Steve DeMerritt

MCM #4 Construction Site Stormwater Runoff Control

BMP #1 – Permitting, inspection, enforcement and maintenance

C. S. Davidson, Jack Longstreet, Jennie Sherry, Steve DeMerritt

BMP #2 – Enact, implement, and enforce ordinance

Jim Gross, C. S. Davidson, York County Conservation

BMP #3 – Construction site operations

York County Conservation

BMP #4 – Procedure for public inquiries regarding construction activities

York County Conservation, Veronica Chavez

MCM #5 Post-Construction Stormwater Management (PCSM)

BMP #1 – Written procedure to address all required components of MCM

C. S. Davison

BMP #2 – Require implementation of BMP's

C. S. Davidson, Jennie Sherry, Steve DeMerritt

BMP #3 – Ensure controls are in place to prevent water quality impacts

C. S. Davidson, Jennie Sherry, Steve DeMerritt

BMP #4 – Ordinance to address post-construction runoff

Jim Gross, C. S. Davidson

BMP #5 – Low Impact Development

Jennie Sherry, C. S. Davidson

BMP #6 – Operation and Maintenance of post-construction BMP's

Jack Longstreet, C. S. Davidson

MCM #6 Pollution Prevention / Good Housekeeping for Municipal Operations

BMP #1 – Identify and document all municipal facilities and activities that generate stormwater runoff

Jack Longstreet, Aaron Grimm, C. S. Davidson, Michael Shanabrook

BMP #2 – Written O&M program

Aaron Grimm, Jack Longstreet, Jim Gross

BMP #3 – Training program

Aaron Grimm, Jack Longstreet

City Planner

Documented check off for Erosion and Sedimentation plans on all development plans prior to issuance of Building Permits

Provide information piece to all customers pulling a permit related to site runoff control

Set up Monthly plan review meeting

Jeff Shue

Post Construction BMP inventory
Annual Inspections of BMP's
Preparation of Annual Reports

A.J. Grim / Jack Longstreet

Inspections of outfalls twice per year
Inspection and cleaning of stormwater system
Maintenance of Garage areas
Winter Maintenance
Employee Training

Cassie Dennis

Training in schools related to MS4 – Don't dump in storm drains

Tom King / India Banks

Website

Michael Shanabrook

GIS mapping

Steve DeMerritt

Stormwater violations – Enforcement

WORK ITEMS
Continue MCM Review #3, #4.

NEXT MEETING – THURSDAY, APRIL 10, 2014 @ 2:00 P.M.

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT TASK FORCE
Summary of Meeting – January 9, 2014

NEXT MEETING

Thursday, April 10 at 2:00 PM, City Hall, Room 205.

OPENING

A Municipal Separate Storm Sewer System (MS4) Permit Task Force meeting was held January 9, 2014 at 2:00 p.m. at 101 South George Street, Room 205. The purpose of the task force is to ensure compliance with the City of York's National Pollution Discharge Elimination (NPDES) MS4 permit. The Director of Public Works, James E. Gross, chaired the meeting. In attendance were:

Director of Public Works, James E. Gross
City Engineer, Jeff Shue, C.S. Davidson, Inc.
Engineering Technician, Derek Rinaldo, C.S. Davidson, Inc.
Environmental Bureau Manager, Cassie Dennis
Highway Superintendent, Aaron Grimm
Deputy Business Administrator of Information, Thomas King
Pretreatment Permit and Compliance Manager, Veronica Chavez
Sanitary Sewer Maintenance Supervisor, Jack Longstreet

The meeting focused on the specific tasks of MCM #3 – Illicit Discharge Detection and Elimination. A working task agenda prepared by C.S. Davidson, Inc. was distributed and used to focus the meeting. Afterwards the team evaluated employee training tasks, goals and measures.

MCM #3 – ILLICIT DISCHARGE DETECTION AND ELIMINATION

The Engineering Technician led task force members through the MCM#3 working agenda. Actions were reviewed and specific staff assigned responsibility for tasks. C. S. Davidson, Inc. will provide a completed MCM#3 project plan based on today's discussion.

BMP 3.1 requires a written program for identifying and eliminating illicit discharges. Outfall identification and prioritization based on the likelihood of illicit discharge contributions were summarized. The City of York has identified priority outfalls and developed a methodology: the SOP must be created. Outfalls are identified and mapped: it is likely that additional outfalls may be found on the Codorus Creek. The outfall list will be continually reviewed: communication between the City Engineer, Planning and Permits/Planning/Zoning is critical to ensure the outfall inventory remains up-to-date. Veronica Chavez will create the SOP for priority outfalls. The procedure for screening outfalls during various seasonal conditions was discussed. Variability occurs by default as the City of York does not conduct outfall screenings on a schedule, but rather as time and the weather permits. Regarding procedures for identifying sources of illicit discharge, a SOP will be prepared by Veronica Chavez that documents the City of York's existing methodology. Jack Longstreet will prepare the SOP for eliminating illicit discharges due to cross-connections, exfiltration, or infiltration. There are no known on-lot septic systems in the City of York. Right-of-entry to inspect the public stormwater system was discussed. Any areas that cannot be accessed should be inventoried and mapped (i.e., the stormwater line on West Boundary Avenue in the area of Kings Mill Road and South Pershing Avenue). Most property owners will not object to such access. Staff will need to work with the Solicitor's Office regarding right-of-entry issues and resolution.

BMP 3.2 requires outfall mapping, map maintenance, and yearly review. Jack Longstreet will continue to update the map and outfall inventory. (Review will essentially be on-going.)

BMP 3.3 requires a map of the entire storm sewer system to be developed and maintained, and updated annually. Jack Longstreet will continue to maintain the storm sewer GIS. This is a work in progress.

BMP 3.4 requires each outfall to be screened at least once during the permit term, and priority outfalls to be screened at least annually. Veronica Chavez and Jack Longstreet currently perform this activity and will continue to do so. PADEP recommends that screenings be performed during different seasonal conditions. Due to staff workload and weather, screenings occur during different seasonal conditions. Outfall screenings are to be summarized in periodic reports. Both outfall screening and illicit discharge investigations are summarized and included in the annual report: Veronica Chavez will continue this reporting activity.

BMP 3.5 requires enactment and enforcement of a stormwater management ordinance that meets minimum permit criteria. The City of York passed an Act 1567 stormwater ordinance in 2011.

BMP 3.6 requires education of target audiences regarding illicit discharges. Veronica Chavez will document the procedure currently in use. Cassie Dennis and Jack Longstreet will submit items to WRCT and update the City of York website, respectively, regarding illicit discharges and educational material.

Derek Rinaldo will distribute updated MCM#1, MCM#2, and MCM#3 worksheets to committee members in advance of the next meeting.

EMPLOYEE MS4 TRAINING REQUIREMENTS OF MCM#1, MCM#2, MCM#3, and MCM#6

Veronica Chavez redistributed the draft system for employee MS4 training. The table describing training activities, employee groups, responsible staff, goals, targets, goal measurements, and BMPs was reviewed line by line. The companion draft Gant-style schedule of activities was also reviewed. Some tasks were removed as they were combined with other activities. Responsible staff were assigned. Targets and goal measurements were adjusted.

OTHER BUSINESS

The 2013-2014 annual report will cover March 16, 2013 through March 31, 2014. The 2014-2015 annual report will cover April 1, 2014 to March 31, 2015.

The Chesapeake Bay Pollutant Reduction Plan is due to PADEP April 1, 2014. The City of York's participation in the regional plan was briefly discussed. PADEP is affording some flexibility regarding the deadline for municipalities involved in the regional plan.

A draft stormwater ordinance standard operating procedure was prepared. Veronica Chavez will request the City Clerk to review the procedure.

ADJOURNMENT

The meeting adjourned at approximately 3:15 p.m.

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT TASK FORCE MEETING

April 10, 2014

Agenda

DOCUMENTATION, DOCUMENTATION, DOCUMENTATION

MCM #1 Public Education and Outreach on Stormwater Impacts

BMP #1 – Public Education and Outreach Program

Jim Gross, Jack Longstreet, Veronica Chavez
C. S. Davidson

BMP #2 – Lists of Target Audiences

Jim Gross, Jack Longstreet

BMP #3 – Newsletter, website, etc.

Cassie Dennis, India Banks, Tom King

BMP #4 – Distribute educational materials to target audiences

All

MCM #2 Public Involvement / Participation

BMP #1 – Public Involvement and Participation Program (PIPP)

Jack Longstreet, Veronica Chavez, Jennie Sherry
C. S. Davidson

BMP #2 – Prior to ordinance adoption, provide notice

BMP #3 – Solicit public involvement and participation

MCM #3 Illicit Discharge Detection and Elimination

BMP #1 – Written Program for IDD&E

Veronica Chavez, Jennie Sherry, Steve DeMerritt

BMP #2 – Maps

Michael Shanabrook, Jack Longstreet, Aaron Grimm, C. S. Davidson

BMP #3 – Update mapping

Michael Shanabrook, Jack Longstreet, Aaron Grimm, C. S. Davidson

BMP #4 – Outfall screening

Jack Longstreet, Aaron Grimm, Veronica Chavez

BMP #5 – Enact stormwater ordinance

Jim Gross, C. S. Davidson

BMP #6 – Education to employees, businesses, property owners, public

Jack Longstreet, Veronica Chavez, Aaron Grimm, Cassie Dennis, Jennie Sherry Steve DeMerritt

MCM #4 Construction Site Stormwater Runoff Control

BMP #1 – Permitting, inspection, enforcement and maintenance

C. S. Davidson, Jack Longstreet, Jennie Sherry, Steve DeMerritt

BMP #2 – Enact, implement, and enforce ordinance

Jim Gross, C. S. Davidson, York County Conservation

BMP #3 – Construction site operations

York County Conservation

BMP #4 – Procedure for public inquiries regarding construction activities

York County Conservation, Veronica Chavez

MCM #5 Post-Construction Stormwater Management (PCSM)

BMP #1 – Written procedure to address all required components of MCM

C. S. Davison

BMP #2 – Require implementation of BMP's

C. S. Davidson, Jennie Sherry, Steve DeMerritt

BMP #3 – Ensure controls are in place to prevent water quality impacts

C. S. Davidson, Jennie Sherry, Steve DeMerritt

BMP #4 – Ordinance to address post-construction runoff

Jim Gross, C. S. Davidson

BMP #5 – Low Impact Development

Jennie Sherry, C. S. Davidson

BMP #6 – Operation and Maintenance of post-construction BMP's

Jack Longstreet, C. S. Davidson

MCM #6 Pollution Prevention / Good Housekeeping for Municipal Operations

BMP #1 – Identify and document all municipal facilities and activities that generate stormwater runoff

Jack Longstreet, Aaron Grimm, C. S. Davidson, Michael Shanabrook

BMP #2 – Written O&M program

Aaron Grimm, Jack Longstreet, Jim Gross

BMP #3 – Training program

Aaron Grimm, Jack Longstreet

City Planner

Documented check off for Erosion and Sedimentation plans on all development plans prior to issuance of Building Permits

Provide information piece to all customers pulling a permit related to site runoff control

Set up Monthly plan review meeting

Jeff Shue

Post Construction BMP inventory
Annual Inspections of BMP's
Preparation of Annual Reports

A.J. Grim / Jack Longstreet

Inspections of outfalls twice per year
Inspection and cleaning of stormwater system
Maintenance of Garage areas
Winter Maintenance
Employee Training

Cassie Dennis

Training in schools related to MS4 – Don't dump in storm drains

Tom King / India Banks

Website

Michael Shanabrook

GIS mapping

Steve DeMerritt

Stormwater violations – Enforcement

WORK ITEMS
Continue MCM Review #5, #6

NEXT MEETING – THURSDAY, JULY 10, 2014 @ 2:30 P.M.

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT TASK FORCE
Summary of Meeting – April 10, 2014

NEXT MEETING

Thursday, July 10 at 2:30 PM, City Hall, Room 205.

OPENING

A Municipal Separate Storm Sewer System (MS4) Permit Task Force meeting was held April 10, 2014 at 2:30 p.m. at 101 South George Street, Room 205. The purpose of the task force is to ensure compliance with the City of York's National Pollution Discharge Elimination (NPDES) MS4 permit. The Director of Public Works, James E. Gross, chaired the meeting. In attendance were:

Director of Public Works, James E. Gross
City Engineer, Jeff Shue, C.S. Davidson, Inc.
Engineering Technician, Derek Rinaldo, C.S. Davidson, Inc.
Operations Manager, India Banks
Environmental Bureau Manager, Cassie Dennis
Highway Superintendent, Aaron Grimm
Sanitary Sewer Maintenance Supervisor, Jack Longstreet

The meeting focused on the specific tasks of MCM #5 and MCM #6 – A working task agenda prepared by C.S. Davidson, Inc. was distributed and used to focus the meeting.

MCM #5 – Post Construction Stormwater Management

The Engineering Technician led task force members through the MCM#5 working agenda. Actions were reviewed and specific staff assigned responsibility for tasks.

BMP 5.1 – 5.3 NPDES Permits

City relying on DEP's statewide program for issuing NPDES Permits for stormwater.

BMP 5.4 Ordinance

BMP 5.5 Low Impact Development

Develop and implement measures to encourage and expand the use of Low Impact Development (LID)

BMP 5.6 Operation and Maintenance of Post construction BMP's

Written inspection programs.
Recommendation is to inspect BMP once every four years, follow outfall cycle.
CSD will work on written plan.

MCM #6 – Pollution Prevention / Good Housekeeping

BMP 6.1 Municipal operations and Facilities

Create complete inventory of all City facilities.

Create checklist for each facility for inspection, determine frequency of inspections.

CSD will share a copy of a checklist from Red Lion Borough.

A.J. will work on pulling together.

BMP 6.2 O&M Program

AJ will work on written plan.

Need to bring Parks into this.

BMP 6.3 Training

Veronica working on finalizing training chart.

OTHER BUSINESS

Jack expressed concern about lack of notification from PP&Z regarding land development plans and plans being approved and recorded without a Stormwater O&M Agreement being in place. Skyline Gymnastics was a recent example of this.

ADJOURNMENT

The meeting adjourned at approximately 3:45 p.m.