



ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

FOR THE PERIOD July 1, 2023 TO JUNE 30, 2024

GENERAL INFORMATION

Permittee Name:	Whitpain Township	NPDES Permit No.:	PAI130046
Mailing Address:	960 Wentz Road	Effective Date:	05/01/24
City, State, Zip:	Blue Bell, PA, 19422	Expiration Date:	04/30/29
MS4 Contact Person:	Gregory Klucharich	Renewal Due Date:	
Title:	Engineering Assistant	Municipality:	Whitpain Township
Phone:	610-277-2400	County:	Montgomery
Email:	gklucharich@whitpaintownship.org		
Co-Permittees (if applicable): N/A			

Appendix(ces) that permittee is subject to (select all that apply):

☐ Appendix A ☒ Appendix B ☒ Appendix C ☐ Appendix D ☒ Appendix E ☐ Appendix F

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 the permittee's MS4 and provide the requested information (see instructions).

Receiving Water Name	Ch. 93 Class.	Impaired?	Cause(s)	TMDL?	WLA?
Wissahickon Creek	TSF	YES	Sediment, Nutrients	YES	YES
Stony Creek/Saw Mill Run	TSF	YES	Urban Runoff	NO	NO
Plymouth Creek	WWF, MF	YES	Urban Runoff	NO	NO

GENERAL MINIMUM CONTROL MEASURE (MCM) INFORMATION

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

List the current entity responsible for implementing each MCM of your SWMP, along with contact name and phone number.

MCM	Entity Responsible	Contact Name	Phone
#1 Public Education and Outreach on Storm Water Impacts	Whitpain Township	Gregory Klucharich	610-277-2400
#2 Public Involvement/Participation	Whitpain Township	Gregory Klucharich	610-277-2400
#3 Illicit Discharge Detection and Elimination (IDD&E)	Whitpain Township	Gregory Klucharich	610-277-2400
#4 Construction Site Storm Water Runoff Control	Whitpain Township	Gregory Klucharich	610-277-2400
#5 Post-Construction Storm Water Management in New Development and Redevelopment	Whitpain Township	Gregory Klucharich	610-277-2400
#6 Pollution Prevention / Good Housekeeping	Whitpain Township	Stanley Dull	610-277-2400

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

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

- For new permittees only, has the written PEOP been developed and implemented within the first year of permit coverage?
☐ Yes ☐ No
- Date of latest annual review of PEOP: September 24, 2024 Were updates made? ☐ Yes ☒ No
- What were the plans and goals for public education and outreach for the reporting period?

Whitpain Township developed a Public Education Plan in the first year of the permit and it has helped define a target audience for distributing educational materials and promoting awareness about stormwater runoff and its impacts. During the current MS4 timeframe, Whitpain Township has periodically reviewed the public education plan and no revisions have been made. The public education plan submitted previously remains valid.

The Township completed its' storm drain stenciling project in 2014. The project included adding a "No Dumping, Drains to Creek" stainless steel stencil on every inlet within the municipality. The storm drain stencils educate the public that anything that is dumped in or near storm drains ends up directly in the creek. As new inlets are installed within the Township, the stencils are placed on the inlet to make sure they are up to date.

In 2012 Whitpain Township joined a multi-municipal group in collaboration with the Pennsylvania Environmental Council (PEC). This group, with the help of PEC, cooperate to improve Public Education and Outreach on storm water impacts. The group meets periodically to discuss ideas from newspaper ads and informational flyers to public workshops on how to improve stormwater management on individual properties. The purpose of the group is to provide a more comprehensive and targeted community stormwater education outreach program.

In June of 2021, Whitpain Township installed several educational Stormwater BMP signs throughout the Wentz Run Park. These educational signs were placed in areas where the Township recently completed stormwater improvements including raingardens, bioswales and woodland restoration. The signs were all installed adjacent to a walking trail so that people utilizing the park for recreation can view the signs and be educated about the environmental benefits of the stormwater improvements. Each sign also has a QR code on it that will direct people to the Township's Stormwater Management website. In 2023, the Township began construction of several basin retrofits. One of these retrofits is adjacent to a Township park where in the future additional educational signage can be posted. As of September 2024, the basin retrofit construction is being finalized and the educational signage may be installed in 2025.

Whitpain Township includes stormwater management and other related outreach information within the Township newsletter for each season that it is published. The newsletter is published twice a year. Copies of the Township newsletter are posted to the Township website as well. Refer to Appendix A for copies of the relevant information that was included within these newsletters for this reporting period.

In June of 2024, Whitpain Township reviewed the links and information provided on the Township's Stormwater Management page. Refer to Appendix B for a copy of the updated webpage.

Over the next few years, Whitpain will continue to educate our residents by targeting specific audiences that have been listed in our Public Education Plan.

In the summer of 2022, Whitpain Township created an Environmental Advisory Council (EAC). One of the initiatives of the EAC is to create articles for the Township's e-newsletter, The Wire. The Wire is emailed to interested parties every week during the year. The articles that the EAC prepares can range on a number of topics related to environmental conservancy and occasionally delves into stormwater management. The benefit of these articles is the fact that they are targeted directly at property owners and offer advice and recommendations as to how they can be environmentally conscience in different aspects of their everyday lives. Specific MS4 related articles that were cultivated by the EAC and Whitpain Township staff during the reporting period have been included in Appendix C, D & E.

On April 19, 2023, the Whitpain Township Engineering Assistant appeared via Zoom meeting at the EAC's public meeting and presented a PowerPoint presentation to the EAC members and any members of the public that attended online. The presentation was an overview of the Whitpain Township MS4 program, TMDL & PRP plans, and the past, present and future stormwater projects within the Township. At the conclusion of the presentation, the Engineering Assistant answered questions from the attendees about the program.

Over the next few years, Whitpain will continue to educate our residents by targeting specific audiences that have been listed in our Public Education Plan.

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

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

In the upcoming year, Whitpain Township will continue to educate our residents by targeting specific audiences that have been listed in our Public Education Plan. Some specific examples include: Whitpain will continue to produce new slides to run on the Township's government access cable channel; Whitpain will continue to update the information on the Stormwater Management page of the website; Whitpain will continue to create informative environmentally sensitive articles to run in the Whitpain Wire; Whitpain will continue to place advertisements in local newspapers that announces the benefit of improved stormwater management for the community.

As part of the ongoing and completed basin retrofit projects, in the coming years Whitpain Township also desires to install educational signs that will educate residents that visit the park areas and adjacent stormwater management projects. The signs will also include QR codes to direct the visitors to the Township's stormwater website.

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

1. For new permittees only, have the target audience lists been developed and implemented within the first year of permit coverage?

☐ Yes ☐ No

2. Date of latest annual review of target audience lists: 9/24/2024 Were updates made? ☐ Yes ☒ No

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

1. For new permittees only, were stormwater educational and informational items produced and published in print and/or on the Internet within the first year of permit coverage?

☐ Yes ☐ No

2. Date of latest annual review of educational materials: 9/24/2024 Were updates made? ☐ Yes ☒ No

3. Do you have a municipal website? ☒ Yes ☐ No (URL: <http://www.whitpaintownship.org/154/Stormwater-Management>)

If Yes, what MS4-related material does it contain?

The Whitpain Township stormwater webpage contains a numerous amount of information for residents. Information on our Storm Drain Stenciling Program, Good Housekeeping for homeowners, requesting the public to watch out for illicit discharges, copies of Township Stormwater Maps, Construction and Maintenance resources, Educational brochures for homeowners, contractors and business owners, and numerous links to helpful stormwater links around the web. A printed version of the Township's stormwater pages are included in Appendix B. In 2017, the Township overhauled the stormwater webpage to make it more user friendly and easier to read and find beneficial information. In addition, multiple informative signs that are located at Township Parks include a QR code that directs residents to the Stormwater pages for more information.

4. Describe any other method(s) used during the reporting period to provide information on stormwater to the public:
Whitpain Township's government access cable channel that runs a series of informative slides.

5. Identify specific plans for the publication of stormwater materials for the upcoming year:

Whitpain will continue to produce new slides to run on the Township's government access cable channel; Whitpain will continue to update the information on the Stormwater Management page of the website; Whitpain will continue to create informative environmentally sensitive articles to run in the Whitpain Wire; Whitpain will continue to place advertisements in local newspapers that announces the benefit of improved stormwater management for the community.

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

Identify the two additional methods of distributing stormwater educational materials during the previous reporting period (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).

Whitpain utilized methods discussed in the previous sections. These are: Township newsletters, e-newsletters, social media and government access cable channel. In addition, educational signs have been installed within Township Parks to inform residents about beneficial stormwater BMP's.

MCM #1 Comments:

MCM #2 – PUBLIC INVOLVEMENT/PARTICIPATION

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

1. For new permittees only, was the PIPP developed and implemented within one year of permit coverage?

☐ Yes ☐ No

2. Date of latest annual review of PIPP: 9/24/2024

Were updates made? ☐ Yes ☒ No

BMP #2: Advertise to the public and solicit public input on ordinances, SOPs, Pollutant Reduction Plans (PRPs) (if applicable) and TMDL Plans (if applicable), including modifications thereto, prior to adoption or submission to DEP:

1. Was an MS4-related ordinance, SOP, PRP or TMDL Plan developed during the reporting period? ☐ Yes ☒ No
2. If Yes, describe how you advertised the draft document(s) and how you provided opportunities for public review, input and feedback:

The Township last updated the SWM Ordinance in 2017. The draft plan was made available to the public at the Township building and was also available for review on the Township's website. Notice for the PRP was advertised in the local newspaper, on the Township's website and in the Township's e-newsletter. A public meeting was held to discuss the proposed PRP on July 13, 2017.

On April 19, 2023, the Whitpain Township Engineering Assistant appeared via Zoom meeting at the EAC's public meeting and presented a PowerPoint presentation to the EAC members and any members of the public that attended online. The presentation was an overview of the Whitpain Township MS4 program, TMDL & PRP plans, and the past, present and future stormwater projects within the Township. At the conclusion of the presentation, the Engineering Assistant answered questions from the attendees about the program.

Whitpain Township staff is currently working with the Whitpain Township Solicitor to prepare and update the Stormwater Management ordinance for the Township to be consistent with the PaDEP 2022 model ordinance. It is anticipated that this new ordinance will be enacted in the beginning of 2025.

In the spring of 2024, the Whitpain Township EAC created a Sustainable Property Program targeted at residential property owners to incentivize them to create sustainable properties that are beneficial to the environment by promoting native plants, stormwater management, composting, etc. This program has been promoted thru multiple forms of outreach including the Township website, e-newsletter The Wire, social media, at public meetings and at public events. Some information regarding the program has been included in Appendix D.

On June 12, 2024, the Whitpain Township EAC held a rainbarrel workshop at the Township building for any interested resident to attend and build their own Camel's Hump rainbarrel for their property. As part of the workshop, a presentation was given to the attendees about an overview on stormwater management and the importance of managing runoff on residential properties. Approximately 25 people attended the event and a total of 19 ordered their own rainbarrels. Refer to Appendix E for promotional information on the event that was held.

3. If an ordinance, SOP or plan was developed or amended during the reporting period, provide the following information:

Ordinance / SOP / Plan Name	Date of Public Notice	Date of Public Hearing	Date Enacted or Submitted to DEP

BMP #3: Regularly solicit public involvement and participation from the target audience groups using available distribution and outreach methods.

1. At least one public meeting or other MS4 event must be held during the 5-year permit coverage period to solicit participation and feedback from target audience groups. Was this meeting or event held during the reporting period?

☒ Yes ☐ No

If Yes, Date of Meeting or Event: 6/5/2024

2. Report instances of cooperation and participation in MS4 activities; presentations the permittee made to local watershed and conservation organizations; and similar instances of participation or coordination with organizations in the community.

Whitpain held a public meeting on 2/11/19 to present the plans for stormwater improvements at two locations. These stormwater improvements included installing bio-swales and raingardens at Wentz Run Park which was consistent with the approved PRP Plan for the Stony Creek watershed and also a basin retrofit on the Valentine Estates basin which was part of the approved TMDL Plan for the Wissahickon Creek watershed. Residents attended the meeting and Township staff presented the design plans and gave an overview of the PRP Plan and TMDL Plan. The stormwater improvement project was completed in November of 2019. In June of 2021, Whitpain Township installed educational signs at several of these BMP locations within the Park.

In 2021, Whitpain Township developed plans to retrofit an existing detention basin that resides in a public park located on Erbs Mill Road. Township staff met with adjoining property owners at the existing detention basin on 11/16/21 to discuss the basin retrofit and solicit for input from the residents on additional design considerations. Input from the meeting was taken into consideration and helped drive the design of the final plans. The construction on the retrofit of the basin began in September of 2023. The basin retrofit project is mostly completed as of September of 2024 with only some minor site stabilization remaining.

In 2020, the Whitpain Township Engineer was interviewed as part of a Stormwater Incentive Program Study by the Pacific Institute. The Study reviewed public/private policies throughout the United States that incentivize water conservation, stormwater management investments and sustainability. The Pacific Institute put together a report on their findings and held a webinar to discuss the report on 6/29/21.

The Whitpain Township Engineer was included as a presenter as part of the Delaware Watershed Forum which was held virtually on 9/16/20. The topic covered by the Engineer was "Creating and Leveraging Municipal Revenue Streams to Support Stormwater Management and Water Quality".

Township staff also attended multiple training seminars and webinars during this permit term in order to become better educated in the ongoing advancement of stormwater management. Some of the seminars/webinars that were attended by Township staff include: on 4/19/23, the engineering assistant gave a presentation at the Whitpain Township EAC public meeting regarding all of the stormwater management initiatives that have been implemented within the Township over the past 10 years; on 9/22/23, Whitpain staff attended a meadow creation & riparian buffer showcase organized by the Montgomery County Conservation District; on 10/20/23, staff attended a Stormwater Operation & Maintenance Workshop at the Upper Merion Township building that was presented by the Center for Watershed Protection; on 10/26/23, the Township Engineer attended the PSATS Township Engineer Fall Seminar and learned about funding & discussion on technology in SWM; on 11/8/23 and 11/9/23, Whitpain staff attended the Policy track and the Technical track trainings as part of the PSATS Stormwater Conference; on 11/15/23, Township staff attended a webinar training on the impending PCSM Manual; on 2/12/24, staff attended a stormwater training webinar presented by the Schuylkill Action Network; on 2/21/24, staff attended an educational webinar from the National Stormwater Center about inspecting a detention pond; on 3/8/24, staff attended a Stormwater Symposium at Ursinus College to hear presentations from multiple groups including the Conservation District, PaDEP, Center for Watershed Protection and others; on 5/15/24, staff attended an educational webinar from the National Stormwater Center about the design, inspection and maintenance of raingardens; on 6/26/24, staff attended a PSATS webinar training about optimizing stormwater basin retrofits.

The Whitpain Township engineer is also a member of the Wissahickon Clean Water Partnership Management Committee and the Wissahickon Clean Water Partnership IGA Subcommittee. During this permit term, these committees have met to discuss MS4 requirements for the Wissahickon Creek on an approximate semi-monthly basis. In 2023, Whitpain Township was in the process of upgrading their overall ArcGIS system and Township staff had been attending multiple trainings and webinars to prepare for the upgrade. As of the spring of 2023, the program has been upgraded, which allows the Township to better access Township wide features and maps.

By attending all of these trainings, it helped Township staff answer Stormwater questions and comments that are received on a weekly basis from the community.

On 6/5/24, the Whitpain Township Engineering Assistant and the Whitpain EAC organized an event within the Wentz Run Park that is adjacent to the Whitpain Township administration complex. The event included a discussion about the Whitpain stormwater program followed by a walk-thru tour of the park to point out and discuss the construction, maintenance and benefit of the BMP's that the Township installed within the park a few years ago. At the conclusion of the discussion and tour, questions were answered by the Engineering Assistant about stormwater, BMPs and specific things that individual property owners can do on their properties for stormwater management. This event was promoted on the Township website, the e-newsletter, The Wire, and on the video message board at the entrance to the Township Building. The event was open to all residents and a total of approximately 15 people attended. Information and photos from the event are provided in Appendix F.

3. Report activities in which members of the public assisted or participated in the meetings and in the implementation of the SWMP, including education activities or efforts such as cleanups, monitoring, storm drain stenciling, or others.

The attendees from the public that came to the public meeting on 2/11/19, to the site meeting to discuss the basin retrofit on 11/16/21 and to the discussion and BMP tour at Wentz Run Park on 6/5/24 participated in the presentation of the projects being proposed to meet the Township's PRP & TMDL Plan. They participated by asking questions about the plans and future stormwater projects.

In 2014, the Township successfully completed the project of adding a "No Dumping, Drains to Creek" stainless steel stencil on every inlet within the municipality. The stenciling project was completed with the help of community volunteers, including Eagle Scouts. The volunteers helped Township staffers install the stencils and hand out stormwater management informational material to local residents.

MCM #2 Comments:

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

BMP #1: Develop and implement a written program for the detection, elimination, and prevention of illicit discharges into the regulated small MS4.

1. For new permittees only, was the written IDD&E program developed within one year of permit coverage?

☐ Yes ☐ No

2. Date of latest annual review of IDD&E program: 9/24/2024 Were updates made? ☐ Yes ☒ No

BMP #2: Develop and maintain map(s) that show permittee and urbanized area boundaries, the location of all outfalls and, if applicable, observation points, and the locations and names of all surface waters that receive discharges from those outfalls. Outfalls and observation points shall be numbered on the map(s).

1. Have you completed a map(s) that includes all components of BMP #2? ☒ Yes ☐ No

If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.

If No, date by which permittee expects map(s) to be completed:

2. Date of last update or revision to map(s): 9/26/2024

3. Total No. of Outfalls in MS4: 183 Total No. of Outfalls Mapped: 835

4. Total No. of Observation Points: 1 Total No. of Observation Points Mapped: 1

5. During the reporting period, have you identified any existing outfalls that have not been previously reported to DEP in an NOI, application or annual report, or are any new MS4 outfalls proposed for the next reporting period?

☒ Yes ☐ No If Yes, select: ☒ Existing Outfall(s) Identified ☐ New Outfall(s) Proposed

BMP #3: In conjunction with the map(s) created under BMP #2 (either on the same map or on a different map), the permittee shall develop and maintain map(s) that show the entire storm sewer collection system within the permittee's jurisdiction that are owned or operated by the permittee (including roads, inlets, piping, swales, catch basins, channels, and any other components of the storm sewer collection system), including privately-owned components of the collection system where conveyances or BMPs on private property receive stormwater flows from upstream publicly-owned components.

1. Have you completed a map(s) that includes all components of BMP #3? ☒ Yes ☐ No

If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.

If No, date by which permittee expects map(s) to be completed:

2. If Yes to #1, is the map(s) on the same map(s) as for outfalls and receiving waters? ☒ Yes ☐ No

3. Date of last update or revision to map(s): 9/26/2024

BMP #4: Conduct dry weather screenings of MS4 outfalls to evaluate the presence of illicit discharges. If any illicit discharges are present, the permittee shall identify the source(s) and take appropriate actions to remove or correct any illicit discharges. The permittee shall also respond to reports received from the public or other agencies of suspected or confirmed illicit discharges associated with the storm sewer system, as well as take enforcement action as necessary. The permittee shall immediately report to DEP illicit discharges that would endanger users downstream from the discharge, or would otherwise result in pollution or create a danger of pollution or would damage property.

For new permittees, all identified outfalls (and if applicable observation points) must be screened during dry weather at least twice within the 5-year period following permit coverage. For existing permittees, all identified outfalls (and if applicable observation points) must be screen during dry weather at least once within the 5-year period following permit coverage and, for areas where past problems have been reported or known sources of dry weather flows occur on a continual basis, outfalls must be screened annually during each year of permit coverage.

1. How many unique outfalls (and if applicable observation points) were screened during the reporting period? 3
2. Indicate the percentage of all outfalls screened in the past five years. 100%
3. Indicate the percent of outfalls screened during the reporting period that revealed dry weather flows: 0%
4. Did any dry weather flows reveal color, turbidity, sheen, odor, floating or submerged solids? ☐ Yes ☒ No
5. If Yes for #4, attach all sample results to this report with a map identifying the sample location. Explain the corrective action(s) taken in the attachment.
6. Do you use the MS4 Outfall Field Screening Report form (3800-FM-BCW0521) provided in the permit?
☒ Yes ☐ No

If No, attach a copy of your screening report form.

BMP #5: Enact a Stormwater Management Ordinance or SOP to implement and enforce a stormwater management program that includes prohibition of non-stormwater discharges to the regulated small MS4.

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: March 24, 2004
2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j) with respect to authorized non-stormwater discharges? ☐ Yes ☒ No

If Yes to #2 and the ordinance or SOP has not been submitted to DEP previously, attach the ordinance or SOP.

3. Were there any violations of the ordinance or SOP during the reporting period? ☐ Yes ☒ No

If Yes to #3, complete the table below (attach additional sheets as necessary).

Violation Date	Nature of Violation	Responsible Party	Enforcement Taken

4. Did you approve any waiver or variance during the reporting period that allowed an exception to non-stormwater discharge provisions of an ordinance or SOP? ☐ Yes ☒ No

If Yes to #4, identify the entity that received the waiver or variance and the type of non-stormwater discharge approved.

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.

1. Was IDD&E-related information distributed to public employees, businesses, and the general public during the reporting period? ☒ Yes ☐ No

If Yes, what was distributed?

Information on IDD&E is available on the Township's stormwater website. One section asks that any resident witnessing an illicit discharge should contact the necessary party immediately.

The stormwater information that is placed within the Township's newsletters also discusses the importance of only allowing rain in the drains and to also report any violation to the necessary party. Copies of the newsletters can be found in Appendix A and a print-out of the Township's website information can be found in Appendix B.

During this reporting period there were two cases of IDD&E. Please refer to Appendix G for a copy of these reports.

2. Is there a well-publicized method for employees, businesses and the public to report stormwater pollution incidents?

☒ Yes ☐ No

3. Do you maintain documentation of all responses, action taken, and the time required to take action? ☒ Yes ☐ No

MCM #3 Comments:

The next Outfall inspection 5 year period started inspections in 2020. Five year cycle will end in 2025.

MCM #4 – CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Are you relying on PA's statewide program for stormwater associated with construction activities to satisfy this MCM?

☒ Yes ☐ No

(If Yes, respond to questions for BMP Nos. 1, 2 and 3 only in this section. If No, respond to questions for all BMPs in this section)

BMP #1: The permittee may not issue a building or other permit or final approval to those proposing or conducting earth disturbance activities requiring an NPDES permit unless the party proposing the earth disturbance has valid NPDES Permit coverage (i.e., not expired) under 25 Pa. Code Chapter 102.

During the reporting period, did you comply with 25 Pa. Code § 102.43 (relating to withholding building or other permits or approvals until DEP or a county conservation district (CCD) has approved NPDES permit coverage)?

☒ Yes ☐ No ☐ Not Applicable (no building permit applications received)

BMP #2: A municipality or county which issues building or other permits shall notify DEP or the applicable CCD within 5 days of the receipt of an application for a permit involving an earth disturbance activity consisting of one acre or more, in accordance with 25 Pa. Code § 102.42.

During the reporting period, did you comply with 25 Pa. Code § 102.42 (relating to notifying DEP/CCD within 5 days of receiving an application involving an earth disturbance activity of one acre or more)?

☒ Yes ☐ No ☐ Not Applicable (no building permit applications received)

BMP #3: Enact, implement and enforce an ordinance or SOP to require the implementation and maintenance of E&S control BMPs, including sanctions for non-compliance, as applicable.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that requires implementation and maintenance of E&S control BMPs? ☒ Yes ☐ No

If Yes, indicate the date of the ordinance or SOP: March 24, 2004

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? ☐ Yes ☒ No

3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

BMP #4: Review Erosion and Sediment (E&S) control plans to ensure that such plans adequately consider water quality impacts and meet regulatory requirements.

Specify the number of E&S Plans you reviewed during the reporting period:

BMP #5: Conduct inspections regarding installation and maintenance of E&S control measures during earth disturbance activities. Maintain records of site inspections, including dates and inspection results, in accordance with the record retention requirements in this permit.

Specify the number of E&S inspections you completed during the reporting period:

BMP #6: Conduct enforcement when installation and maintenance of E&S control measures during earth disturbance activities does not comply with permit and/or regulatory requirements.

Specify the number of enforcement actions you took during the reporting period for improper E&S:

BMP #7: Develop and implement requirements for construction site operators to control waste at construction sites that may cause adverse impacts to water quality. The permittee shall provide education on these requirements to construction site operators.

Specify the method(s) by which you are educating construction site operators on controlling waste at construction sites:

BMP #8: 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.

1. A tracking system has been established for receipt of public inquiries and complaints. ☐ Yes ☐ No

2. Specify the number of inquiries and complaints received during the reporting period:

MCM #4 Comments:

All applications showing a minimum of 5,000 SF of disturbed area or more must show adequate erosion and sedimentation controls on the project's Site Plan as to how the project will manage the stormwater during construction activities to prevent sediment runoff. The applicant must obtain a letter of adequacy or an NPDES Permit from the Montgomery County Conservation District for the project prior to issuance of a permit from the Township. Once construction activities begin, the Township's Engineering Inspector performs periodic inspections to verify that the construction site is following the

approved Site Plan's E&S controls as approved by the MCCD. If the inspector finds that the controls are not installed as per plan, the contractor is given three days to correct the installation. If they do not adequately correct the installation in a timely manner, the inspector will contact the MCCD to perform their own inspection and verify compliance.

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

BMP #1: Enact, implement and enforce an ordinance or SOP to require post-construction stormwater management from new development and redevelopment projects, including sanctions for non-compliance.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that requires implementation and maintenance of post-construction stormwater management (PCSM) BMPs? ☒ Yes ☐ No

If Yes, indicate the date of the ordinance or SOP: March 24, 2004

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? ☐ Yes ☒ No

3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

BMP #2: Develop and implement measures to encourage and expand the use of Low Impact Development (LID) in new development and redevelopment. Measures should also be included to encourage retrofitting LID into existing development. Enact ordinances consistent with LID practices and repeal sections of ordinances that conflict with LID practices.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that encourages and expands the use of LID in new development and redevelopment? ☒ Yes ☐ No

If Yes, indicate the date of the ordinance or SOP: 1/5/2016

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? ☐ Yes ☒ No

3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

BMP #3: Ensure adequate O&M of all post-construction stormwater management BMPs that have been installed at development or redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale.

1. Do you have an inventory of all PCSM BMPs that were installed to meet requirements in NPDES Permits for Stormwater Discharges Associated with Construction Activities approved since March 10, 2003? ☒ Yes ☐ No

If Yes to #1, complete Table 1 on the next page.

2. Has proper O&M occurred during the reporting period for all PCSM BMPs? ☒ Yes ☐ No

3. If No to #2, explain what action(s) the permittee has taken or plans to take to ensure proper O&M.

If you are relying on PA's statewide program for stormwater associated with construction activities, you may skip to MCM #6, otherwise complete all questions for BMPs #4 - #6 in this section.

BMP #4: 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.

1. Specify the number of PCSM Plans reviewed during the reporting period for projects disturbing greater than or equal to one acre (including projects less than one acre that are part of a larger common plan of development or sale):

2. Has a tracking system been established and maintained to record qualifying projects and their associated BMPs?

☐ Yes ☐ No

PCSM BMP INVENTORY

Table 1. To complete the information needed for MCM #5, BMP #3, list all existing structural BMPs that discharge stormwater to the permittee's MS4 that were installed to satisfy PCSM requirements for earth disturbance activities under Chapter 102, and provide the requested information (see instructions).

BMP No.	BMP Name	DA (ac)	Entity Responsible for O&M	Latitude	Longitude	Date Installed	O&M Requirements	NPDES Permit No.
1	See Attached			0 1 "	0 1 "			
2	Appendix J			0 1 "	0 1 "			
3				0 1 "	0 1 "			
4				0 1 "	0 1 "			
5				0 1 "	0 1 "			
6				0 1 "	0 1 "			
7				0 1 "	0 1 "			
8				0 1 "	0 1 "			
9				0 1 "	0 1 "			
10				0 1 "	0 1 "			
11				0 1 "	0 1 "			
12				0 1 "	0 1 "			
13				0 1 "	0 1 "			
14				0 1 "	0 1 "			
15				0 1 "	0 1 "			
16				0 1 "	0 1 "			

BMP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The permittee shall inspect all qualifying development or redevelopment projects 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).

1. During the reporting period have you inspected all qualifying development and redevelopment projects during the construction phase to ensure proper installation of approved structural BMPs?
☐ Yes ☐ No ☐ Not Applicable (no qualifying projects during reporting period)
2. Has a tracking system been established and maintained to record results of inspections?
☐ Yes ☐ No

BMP #6: Develop a written procedure that describes how the permittee shall address all required components of this MCM.

Have you developed a written plan that addresses: 1) minimum requirements for use of structural and/or non-structural BMPs in plans for development and redevelopment; 2) criteria for selecting and standards for sizing stormwater BMPs; and 3) implementation of an inspection program to ensure that BMPs are properly installed? ☐ Yes ☐ No

MCM #5 Comments:

Whitpain Township staff is currently working with the Whitpain Township Solicitor to prepare and update the Stormwater Management ordinance for the Township to be consistent with the PaDEP 2022 model ordinance. It is anticipated that this new ordinance will be enacted in the beginning of 2025.

MCM #6 – POLLUTION PREVENTION / GOOD HOUSEKEEPING

BMP #1: Identify and document all operations that are owned or operated by the permittee and have the potential for generating pollution in stormwater runoff to the MS4. This includes activities conducted by contractors for the permittee.

1. Have you identified all facilities and activities owned and operated by the permittee that have the potential to generate stormwater runoff into the MS4? ☒ Yes ☐ No
2. When was the inventory last reviewed? June 15, 2018
3. When was it last updated? December 31, 2015

BMP #2: Develop, implement and maintain a written O&M program for all operations that could contribute to the discharge of pollutants from the MS4, as identified under BMP #1. This program shall address stormwater collection or conveyance systems within the regulated MS4.

1. Have you developed a written O&M program for the operations identified in BMP #1? ☒ Yes ☐ No
2. Date of last review or update to written O&M program: December 31, 2015

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 operations to the regulated small MS4. All relevant employees and contractors shall receive training.

1. Have you developed an employee training program? ☒ Yes ☐ No
2. Date of last review or update to training program: 8/27/24 Date of latest training: October 2024

3. Training topics covered:

4. Name(s) of training presenter(s):

5. Names of training attendees:

MCM #6 Comments:

The Whitpain Township Public Works Director has implemented a training program for all Public Works employees. He has consulted with an outside consulting firm to schedule a minimum of two trainings per year that are set to occur in March and October. The first training is scheduled to occur in October of 2024 and will be on the topic of Illicit Discharge Detection & Elimination. In addition, Public Works employees over the course of the current permit term attended outside agency trainings. Copies of the certifications from these trainings can be found in Appendix K.

POLLUTANT CONTROL MEASURES (PCMs)

Indicate the status of implementing PCMs in Appendices A, B and/or C by completing the table below. Skip this section if PCMs are not applicable.

Task	Date Completed	Attached	Anticipated Completion Date
Storm Sewershed Map(s)	2004	<input checked="" type="checkbox"/>	
Source Inventory	2009	<input checked="" type="checkbox"/>	
Investigation of Suspected Sources	2009	<input checked="" type="checkbox"/>	
Ordinance/SOP for Controlling Animal Wastes	2004	<input checked="" type="checkbox"/>	Update in 2025

PCM Comments:

The MS4 Requirements Table shows that the Schuylkill River is located within Whitpain Township but this is incorrect. Whitpain Township staff discussed this with PaDEP staff at a seminar and they confirmed this was an error, however in the review letter received on 6/21/24, PaDEP stated that this is not an error and the Township is within a 5-mile radius of an existing impairment. Refer to Appendix L for summary description on this topic.

Whitpain Township staff is currently working with the Whitpain Township Solicitor to prepare and update the Stormwater Management ordinance for the Township to be consistent with the PaDEP 2022 model ordinance. It is anticipated that this new ordinance will be enacted in the beginning of 2025.

POLLUTANT REDUCTION PLANS (PRPs) AND TMDL PLANS

1. Complete this section if the development and submission of a PRP and/or TMDL Plan was required as an attachment to the latest NOI or application or was required by the permit, regardless of whether DEP has approved the plan(s).

Type of Plan	Submission Date	DEP Approval Date	Surface Waters Addressed by Plan
<input type="checkbox"/> Chesapeake Bay PRP (Appendix D)			Chesapeake Bay
<input checked="" type="checkbox"/> Impaired Waters PRP (Appendix E)	9/15/17	6/19/18	StonyCreek/Sawmill Run/Plymouth Creek

<input checked="" type="checkbox"/> TMDL Plan (Appendix F)	12/21/15	6/19/18	Wissahickon Creek
<input type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP			Chesapeake Bay,
<input type="checkbox"/> Combined PRP / TMDL Plan			
<input type="checkbox"/> Joint Plan (if checked, list the name of the MS4 group or names of all entities participating in the joint plan below) Joint Plan Participants:			

2. Identify the pollutants of concern and pollutant load reduction requirements under the permit (see instructions).

Type of Plan	TSS Load Reduction (lbs/yr)	TP Load Reduction (lbs/yr)	TN Load Reduction (lbs/yr)
<input type="checkbox"/> Chesapeake Bay PRP (Appendix D)			
<input checked="" type="checkbox"/> Impaired Waters PRP (Appendix E)	209,494	155	1,325
<input checked="" type="checkbox"/> TMDL Plan (Appendix F)	113,540		
<input type="checkbox"/> Combined Chesapeake Bay / Impaired Waters PRP			
<input type="checkbox"/> Combined PRP / TMDL Plan			

3. Date Final Report Demonstrating Achievement of Pollutant Load Reductions Due: PRP on June 30, 2023
TMDL on June 30, 2038

4. Have any modifications to the plan(s) occurred since DEP approval? ☐ Yes ☒ No

If Yes to #4, was the updated plan(s) submitted to DEP? ☐ Yes ☐ No

If Yes to #4, did you comply with the public participation requirements of the applicable appendix? ☐ Yes ☐ No

If Yes to #4, describe the plan modifications.

5. Summary of progress achieved during reporting period.

In 2019, Whitpain Township completed two projects that were described within the PRP & TMDL Plan. The first included the installation of bio-swales and raingardens within Wentz Run Park (Stony Creek watershed). The second is a basin retrofit in the Valentine Estates development (Wissahickon Creek watershed). These projects were completed in November of 2019.

In the summer of 2022, construction began on a bridge replacement on Pulaski Drive in Whitpain Township. During the design phase for this new bridge, the Whitpain Township Engineering Department examined multiple options to install a BMP adjacent to the bridge since there is an existing 42-inch RCP that collects runoff from a large upstream area and discharges directly to the Stony Creek. Due to the site constraints, the best course of action was to install a large in-line storm sewer vortex device. This facility will help to remove pollutants and debris from the runoff before discharging into the Creek. The construction on the bridge and the installation of the vortex device was completed in January of 2023. The installation of this water quality device was not included in the original PRP Plan since the Township did not have a plan in place at the time for a bridge replacement and with it an opportunity to install a beneficial water quality facility that drains directly to the creek. As part of the design planning process for the bridge and vortex device, meetings with adjoining residents were had to describe the project and the benefit of installing this device to the community and Township as a whole. Refer to Appendix M for pictures and information related to this BMP.

In 2021 and 2022, Whitpain Township worked with a consultant engineer to prepare construction drawings for the retrofit of three (3) existing detention basins. Two of the basins are within the watersheds with a PRP with one of the basins (Erbs Mill Park basin) within the Stony Creek watershed and the other basin (Shepard Drive basin) within the Mermaid Run tributary that drains to the Stony Creek. These two basins are on Township owned parcels and were included as optional projects within the approved PRP Plan. The final basin (Blue Bell Woods basin) is within the Wissahickon Creek watershed that has a TMDL. This basin is within a private community and Whitpain Township has been working with the HOA of the community to accomplish the goals set forth by both the community and the Township. The retrofit of this basin was not included in the original TMDL Plan as this was a basin within a private community. However, the Township took the initiative to work with the private community to come up with a retrofit design that would benefit the Blue Bell Woods residential community and the Wissahickon Creek watershed. Multiple meetings and outreach were performed ahead of the final design and the beginning of the construction of the basin. Construction on all of these basins began in September of 2023 and as of September of 2024, the basins are mostly completed with some minor site stabilization to occur. Since the basins were not completely finalized until after the reporting period for this Progress Report, stormwater credits for their completion will not be obtained until the next reporting period. Refer to Appendix N for photos of the ongoing projects.

Whitpain Township has already contracted with a consulting engineer to begin survey work on an existing detention basin within the Ridings residential community that resides in the Wissahickon Creek watershed. The retrofit of this basin was included within the approved TMDL Plan. It is anticipated that the design of this basin will occur in the winter of 2024 in order to go out to bid to obtain a contractor to install the improvements in the summer or fall of 2025.

Whitpain Township submitted the PRP/TMDL Plan Final Report for the Mermaid Run, Sawmill Run, Stony Creek & Plymouth Creek to PaDEP on March 11, 2024. As defined in that Report, over the five year PRP Plan, Whitpain Township installed multiple stormwater improvements in an effort to meet the reduction requirements of the Plan. With the installation of stormwater improvements within these watersheds, the overall reduction of TN was exceeded by 123% and the overall reduction of TP was exceeded by 27%. The TSS removal met 85.4% of the required removal totals. Whitpain Township is currently analyzing the best options to meet the remaining sediment removal requirement. The options being explored include storm sewer cleaning, installation of water quality inlets, a basin retrofit project or the installation of bioswales. It is anticipated that the Township will contract in 2025 with a consulting engineer to prepare the necessary design plans to begin the construction of the improvements by the end of 2025.

6. Anticipated activities for next reporting period.

As described, Whitpain began construction on the three basin retrofits in September of 2023. Final construction and stabilization is anticipated to be finished by the end of the year, 2024. The credits obtained for these retrofits will be reflected in the Progress Report for 2025.

The Township's engineering contractor will survey and prepare design plans for The Ridings basin in the winter 2024 and spring 2025. Whitpain will go out to bid to obtain a contractor to begin construction on the basin retrofit in summer/fall 2025.

In the beginning of 2025, the Township will adopt and implement an updated Stormwater Management ordinance that is consistent with the PaDEP 2022 model ordinance.

Also in the beginning of 2025, the Township will contract with a consulting engineer to prepare design plans for the next phase of stormwater improvements to meet the goals of the PRP and TMDL.

PRP/TMDL Plan Comments:

NEW BMPs FOR PRP/TMDL PLAN IMPLEMENTATION

Table 2. List all new structural BMPs installed and ongoing non-structural BMPs implemented during the reporting period that are being used toward achieving load reductions in the permittee's PRP and/or TMDL Plan (see instructions).

BMP No.	BMP Name	DA (ac)	% Imp.	BMP Extent	Units	Latitude	Longitude	Date Installed or Implemented	Planning Area?	Ch. 102?	Annual Sediment Load Reduction (lbs/yr)
	See Attached Appendix O					0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	
						0 1 "	0 1 "		<input type="checkbox"/>	<input type="checkbox"/>	

BMP INVENTORY FOR PRP/TMDL PLAN IMPLEMENTATION

Table 3. List all existing structural BMPs that have been installed in prior reporting periods and are eligible to use toward achieving load reductions in the permittee's PRP and/or TMDL Plan (see instructions).

BMP No.	BMP Name	DA (ac)	% Imp.	BMP Extent	Units	Latitude	Longitude	Date Installed	Annual Sediment Load Reduction (lbs/yr)	Date of Latest Inspection	Satisfactory?
	See Attached					0 1 "	0 1 "				<input type="checkbox"/>
	Appendix P					0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>
						0 1 "	0 1 "				<input type="checkbox"/>

CERTIFICATION

For PAG-13 Permittees: I have read the latest PAG-13 General Permit issued by DEP and agree and certify that (1) the permittee continues to be eligible for coverage under the PAG-13 General Permit and (2) the permittee will continue to comply with the conditions of that permit, including any modifications thereto. I understand that if I do not agree to the terms and conditions of the PAG-13 General Permit, I will apply for an individual permit within 90 days of publication of the General Permit. I also acknowledge that any facility construction needed to comply with the General Permit requirements shall be designed, built, operated, and maintained in accordance with operative laws and regulations.

For All Permittees: I certify under penalty of law that this report was 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 knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

James Blanch, P.E., Whitpain Township Engineer

Name of Responsible Official

610-277-2400

Telephone No.

Signature

Date

APPENDIX A

**STORMWATER MANAGEMENT
INFORMATION FROM THE
WHITPAIN TOWNSHIP NEWSLETTER**

FALL/WINTER 2023-24



Welcome to

WHITPAIN TOWNSHIP



Montgomery County, Pennsylvania



INSIDE THIS ISSUE

Manager's Message	3
Contact Information.....	4
Progress Continues at Mermaid Park	5
CSFC Fire Expo Set for October 6.....	5
Stormwater Management	6
EAC Continues Public Outreach	6
Deer Management Pilot Program.....	7
Preservation of 10 Acres on Lewis Lane Celebrated.....	8
Donation Makes Community Center Possible... 8	



PARKS & RECREATION	9-27
Discount Tickets.....	10
Special Events.....	10-12
Preschool Programs.....	13-14
Youth Programs	18-19
Youth Tennis	20
Adult Programs.....	21-23
Senior Programs	24-25, 27
Whitpain Dog Park.....	29
Whitpain Community Festival.....	Centerfold

Learn about fun activities and more at www.WhitpainRec.com.

Visit our website at www.whitpaintownship.org and sign up for the Whitpain Wire

STORMWATER MANAGEMENT TIPS

Water that runs off your property during a rainstorm is considered stormwater. As this water leaves your lawn, roof, or driveway it collects contaminants such as lawn fertilizer, motor oil, yard clippings, and pet waste. Contaminated stormwater enters our waterways which is hazardous for humans, fish, and wildlife. Several precautionary measures can be taken to mitigate the effect of stormwater contamination in our watershed.



- **Perform a soil test on your lawn to determine if your lawn requires the use of fertilizer.** Often fertilizer is applied to a lawn when it is not necessary.
- **Use fertilizer sparingly.** If your lawn and garden needs fertilizer, use it sparingly as fertilizer is not as necessary as you think.
- **Let your lawn clippings lay.** Use a mulching lawn mower to cut one-third of the blade length weekly and naturally fertilize your lawn in the process.
- **Scoop the poop.** Pet waste should never be left out to enter storm drains. Pet waste carries disease-causing bacteria that can enter our drinking water. Bag the pet waste and flush down the toilet or throw out in the garbage.
- **Bring your car to a carwash.** Commercial carwashes reuse the water several times before sending it to a treatment facility. Washing your car on your driveway allows dirty water to directly enter the watershed, posing a health hazard.
- **Trees are a natural way of controlling stormwater.** They reduce the amount of polluted stormwater that normally would go directly to storm drains. Tree roots allow rainwater to filter into soil, recharging the water table.

EAC Continues Public Outreach

This autumn, Whitpain's Environmental Advisory Council (EAC) is looking forward to hosting several community outreach events. **On October 7, the EAC will host its third battery recycling event of the year from 9 a.m. to 11 a.m. at the Whitpain Township Building.** So far this year, over 500 lbs. of batteries have been recycled through this program.



The group will also attend the annual Community Festival on the campus of Montgomery County Community College on Saturday, September 30. Be sure to stop by their table for a chance to win a rain barrel or one of two home composters. Residents can also learn more about the EAC's new Whitpain Sustainable Property program (WSP).

The EAC always enjoys hearing from the community, especially any success stories where residents have electrified various elements of their home. Please contact them at WhitpainEAC@gmail.com.

Welcome to
WHITPAIN TOWNSHIP
Montgomery County, Pennsylvania



INSIDE THIS ISSUE

Manager's Message 3
Contact Information..... 4
Board of Supervisors Reorganizes..... 5
Supervisors Approve 2024 Budget 5
Deputy Chief Retires 6
EAC Launches New Program 7
Shade Tree Commission Initiatives..... 8
Stormwater Management 9
PARKS & RECREATION 10-28
Discount Tickets 11



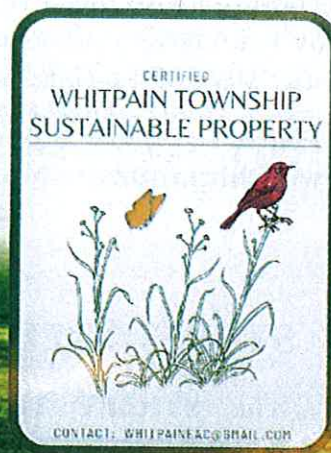
Special Events 12-14
Workshops..... 16
Stony Creek Day Camp &
Tracers Teen Camp..... 17
One-Week Specialty Summer Camps 18-21
Youth Programs 18-25
Youth Tennis 26
Adult Tennis 27
Adult Programs..... 27-28
Whitpain Dog Park..... 29

Learn about fun activities and more at www.WhitpainRec.com.
Visit our website at www.whitpaintownship.org and sign up for the Whitpain Wire

EAC Launches New Program

Whitpain Township Environmental Advisory Council is excited to announce the launch of its Sustainable Property Program (SPP). The program aims to educate and inspire local property owners to voluntarily engage in a conservation-oriented approach to yard care. The Township will officially recognize property owners who actively practice a wide variety of environmental conservation techniques on their properties. See complete details on the EAC webpage.

<https://www.whitpaintownship.org/464/Whitpain-Sustainable-Property-Program>



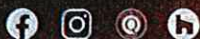
Make Your Home Your Favorite Place

Harth Builders can **improve** the beauty and comfort of every room in your home — both inside and out.

HARTH
DESIGN | BUILD | REMODEL

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PA #0249





Stormwater Management

Homeowners can take steps to help reduce the effects of stormwater runoff in their communities. By doing their part, homeowners can help reduce the speed and amount of runoff, which helps keep local creeks and waterways healthy for years to come. Help preserve the health and beauty of the streams and creeks of Whitpain Township by using some of the stormwater management tips listed below!



A mature tree's network of leaves slows rainfall during a storm, reducing the speed that raindrops hit the ground and slowing the erosion of soil into the stream. Plants and trees absorb rain, and leaves drop rainfall onto the ground for hours after a storm, giving more water a chance to seep slowly underground. A tree's roots hold the soil, preventing soil from washing into waterways.



Rainfall flows down rooftops into gutters and downspouts, then gushes down driveways to flow into the street and storm drains. To slow water down (and save money on water bills), consider a rain barrel. Place the barrel under a downspout, then capture the water for the lawn or garden. Learn more about different types of rain barrels by visiting the Whitpain Township stormwater management link below!



The large amount of impervious cover can be a significant contribution to excessive stormwater runoff. Consider reducing the amount of impervious surface on a property with driveways or parking areas built from porous asphalt or special concrete blocks containing holes to allow rainfall to trickle through. Or try a patio made from loose slate with gravel between rocks.



A close-cropped, well-manicured lawn may look attractive, but it allows stormwater to flow across it too quickly. Maintaining grass at a height of at least four inches slows the growth of weeds while better absorbing stormwater.



A rain garden is a planted shallow depression designated to catch and filter rainfall runoff. The garden captures rain from a downspout or a driveway. The water sinks into the ground, aided by deep rooted plants that like wet and dry conditions. Rain gardens have been proven to help slow down stormwater runoff and filter pollution, protect rivers and streams, and create a healthy habitat for birds and butterflies.

For additional information on stormwater management and effective management practices, visit the Whitpain Township Stormwater Management web page:
<https://www.whitpaintownship.org/377/Stormwater-Links-and-Brochures>

APPENDIX B

**PRINTOUT OF THE STORMWATER PAGE FROM THE
WHITPAIN TOWNSHIP WEBSITE**

Stormwater Management

Stormwater management is controlling the surface runoff generated by precipitation through design and installation of a stormwater management facility such as storm sewer pipes and drains, infiltration systems, drainage swales, rain gardens and rain barrels to capture stormwater runoff and minimize the impacts to surrounding properties and streams.

Stormwater management compensates for possible impacts from additional impervious surfaces that may result in flooding, erosion and sedimentation problems and damage to structures, roads, bridges and other infrastructure within the community. An impervious surface is a surface that prevents the infiltration of rainfall into the ground.

When Stormwater Management is Required

Stormwater management may be required if a property owner is widening a driveway or installing a new swimming pool, shed, patio or building addition. Each of these improvements may result in additional impervious surfaces which increases the amount of stormwater runoff from a property. If a property owner is unsure whether stormwater management will be required for their improvements, please contact the Township Engineer for more information.

Clean Water Act

The Clean Water Act is the federal legislation that governs stormwater management. Stormwater point discharges to waters of the U.S are regulated using National Pollutant Discharge Elimination System (NPDES) permits. The Township is required to comply with the NPDES program. Under the NPDES stormwater program, Whitpain Township must develop a stormwater management plan that provides the details of how it will comply with the requirements of the permit. Permits are based on a framework of six minimum control measures:

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

Operations Calendar

Fri, Sep. 27

Big Rig Roundup

Sat, Sep. 28

Community Festival

Tue, Oct. 1

Board of Supervisors - Work Session

[View All Events](#)

Quick Links

- [Register for Whitpain Township Parks & Recreation](#)
- [Pay Sewer Bill](#)
- [Applications & Forms](#)

- [Emergency Services](#)

[View All Links](#)

 Government Websites by [CivicPlus®](#)

Stormwater Maps & Resources

Township Stormwater Maps

- [Stormwater Map \(PDF\)](#)
- [Stormwater Northeast \(PDF\)](#)
- [Stormwater Northwest \(PDF\)](#)
- [Stormwater Southeast \(PDF\)](#)
- [Stormwater Southwest \(PDF\)](#)

Stormwater Resource Material for Construction and Maintenance

- [BMP O and M Agreement \(PDF\)](#)
- [Driveway Modification Form \(PDF\)](#)
- [Final Report Basin Retrofit \(PDF\)](#)
- [Homeowners Guide to Stormwater BMP Maintenance \(PDF\)](#)
- [Infiltration Testing Procedure -Double Ring Infiltrometer Procedure \(PDF\)](#)
- [Infiltration Testing Standards \(PDF\)](#)
- [Maintaining Stormwater Detention Basins \(PDF\)](#)
- [Swimming Pool Guidelines \(PDF\)](#)

Calendar

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Stormwater - What You Can Do To Help

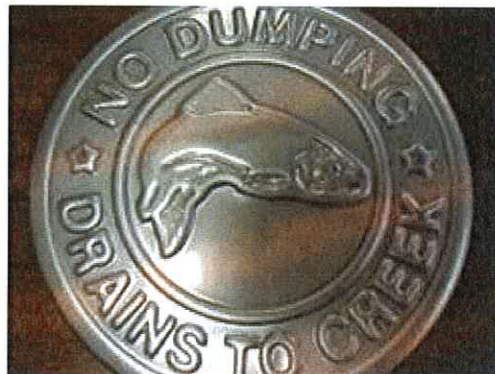
Storm Drain Stenciling Program

Whitpain Township has been marking all of the storm drains in the Township with "No Dumping - Drains to Creek" stencils. Whitpain Township with the assistance of many volunteers has marked most of the storm drains in the Township. These storm drain stencils educate the public by informing them that everything that is dumped into a storm drain will eventually end up in a creek or stream. If you would like to volunteer and help with storm drain stenciling, please contact the Township Engineer's office by calling 610-277-2400.

We need the public's help to keep our storm sewer system and watersheds clear of pollution.

Only Rain Goes In The Drain

We need the public's help to keep our storm sewer system and watersheds clear of pollution.



Never dump anything into a storm drain, including oil, paint, soap, debris, grass clippings and leaves. Storm sewers don't go to the sewer treatment plant but discharge directly into our creeks and streams.

Please keep an eye out for the following:

- Dry weather flows from outfall pipes (at least 72 hours since the last rain event)
- Illegal dumping activity especially near storm sewers and streams (Please call 911 first)
- Sediment or debris in stormwater runoff
- Spills (Chemicals, gasoline or oil)

If you witness any of these events, please contact the Township Engineer's office immediately at (610)277-2400, or the Whippain Township Police Department at (610) 279-9033.

Auto Care

Washing your car at home on the driveway or street can send detergents and other contaminants through the storm sewer system. It is best to wash your car at a commercial car wash where all of the water is treated and recycled. If you do wash your car at home, do so near a grassy area where the water can infiltrate into the ground. Never dump motor oil or antifreeze into the storm drain. Dispose of these auto fluids at a local service station or approved recycling center.

Plant Native Trees & Shrubs

The planting of native trees and shrubs are better suited for the climate and soil conditions of the area and are more resistant to insect and disease attacks. In addition, for residents with properties along stream banks, erosion can be prevented through planting vegetated strips along the stream banks. Also known as riparian buffers, these strips of tall grasses, trees and flowers act to stabilize banks, which prevents erosion along streams.

Roof Stormwater Discharges

Direct all downspouts away from impervious surfaces and on to grass or mulch areas. Rain barrels may be used to collect rainfall from the downspouts and this water may be used for irrigation.

Lawn Care

Fertilizers and pesticides should be used sparingly. When applied in excess, these chemicals are washed off by stormwater runoff and may enter the local storm sewer system. Do not sweep yard waste and leaves into the street or storm drains.

Pet Care

Pet waste can be a major source of excess nutrients and pollutants to streams. Pet waste should not be dumped in storm drains. Always properly dispose of pet waste.

Contact Us

Jim Blanch

Township Engineer

[Email Jim Blanch](#)

Phone: 610-277-2400, ext. 368

Engineering

Phone: [610-277-2400](#)

[Directory](#)

Calendar

Fri, Sep. 27

Big Rig Roundup

Sat, Sep. 28

Community Festival

Tue, Oct. 1

Board of Supervisors - Work Session

[View All Events](#)

Quick Links

- [Register for Whitpain Township Parks & Recreation](#)
- [Pay Sewer Bill](#)
- [Applications & Forms](#)
- [Emergency Services](#)

[View All Links](#)

Educational Brochures & Stormwater Links

Freddy the Fish Teaches About Stormwater



Educational Brochures

For Business Owners

- [Best management Practices \(BMPs\) What are they \(PDF\)](#)
- [Good Housekeeping Practices for Auto Maintenance, Repair and Fueling Operations \(PDF\)](#)
- [Good Housekeeping Practices for Restaurant and Food Service Establishments \(PDF\)](#)

For Developers and Contractors

- [Limiting Construction Site Stormwater Runoff \(PDF\)](#)

- [Stormwater and the Construction Industry \(PDF\)](#)

For Homeowners

- [A Citizens Guide to Understanding Stormwater \(PDF\)](#)
- [Create Your Own Raingarden](#)
- [Homeowners Guide to Stormwater BMP Maintenance \(PDF\)](#)
- [Homeowner's Stormwater Guide \(PDF\)](#)
- [Management of Swimming Pool Water](#)
- [Rain Drain Brochure \(PDF\)](#)
- [Rain Garden Design Guide \(PDF\)](#)
- [Reducing Runoff Clean Water is Every Resident's Responsibility \(PDF\)](#)
- [Stormwater Management for the Homeowner \(PDF\)](#)
- [Stormwater Management in the Wissahickon Watershed \(PDF\)](#)
- [Stormwater Management Program\(PDF\)](#)
- [The Solution to Stormwater Pollution \(PDF\)](#)

Stormwater Website Links

- [Naturalizing Existing Detention Basins](#)
- [Center for Watershed Protection](#)
- [Wissahickon Watershed - Stormwater PA](#)
- [Montgomery County Conservation District](#)
- [Wissahickon Valley Watershed Association](#)
- [Polluted Runoff: Nonpoint Source Pollution](#)
- [Southeast Region PA DEP Website](#)
- [Center for Watershed Protection - Stormwater Management Resources](#)
- [Montgomery County Planning Commission - Stormwater](#)
- [Be Stormwater Smart](#)
- [DEP Stormwater BMP Manual](#)
- [PA DEP Stormwater Management Programs](#)

- [Rain Barrel Program, Montgomery County Conservation District](#)

[View All Links](#)

EPA Facts Sheets and Information

- [EPA Watersheds Homepage](#)
- [EPA Video - Reduce Runoff](#)
- [EPA's National Stormwater Calculator](#)
- [Public Education and Outreach on Stormwater Impacts](#)
- [EPA NPDES Stormwater Program](#)

[View All Links](#)

MS4 Pollutant Reduction Plan

Whitpain Township is required to develop and implement a Pollutant Reduction Plan (PRP) for Municipal Separate Storm Sewer System (MS4) discharges into the Stony Creek, and Plymouth Creek as part of the 2018 National Pollutant Discharge Elimination System (NPDES) MS4 Individual Permit application to the Pennsylvania Department of Environmental Protection (PA DEP). This plan was generated using the best guidelines made available by DEP. The requirements will help improve our waterways by reducing the amount of sediment and nutrient pollutants within stormwater runoff. Please submit all written comments to:

Attn: Township Manager

Whitpain Township Administration Offices,

960 Wentz Road,

Blue Bell, PA 19422

Email Roman M. Pronczak

- [Pollutant Reduction Plan \(PDF\)](#)
- [Pollutant Reduction Plan Presentation \(PDF\)](#)
- [Appendix A \(PDF\)](#)
- [Appendix B \(PDF\)](#)
- [Appendix C \(PDF\)](#)
- [Appendix D \(PDF\)](#)
- [Appendix E \(PDF\)](#)
- [Appendix F \(PDF\)](#)
- [Areas of Responsibility Map \(PDF\)](#)
- [Mermaid Run Watershed \(PDF\)](#)
- [Plymouth Creek Watershed \(PDF\)](#)
- [Sawmill Run Watershed \(PDF\)](#)
- [Stony Creek Watershed \(PDF\)](#)
- [Township Classifications Map \(PDF\)](#)

Calendar

Fri, Sep. 27

Big Rig Roundup

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- [Register for Whitpain Township Parks & Recreation](#)
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- [Emergency Services](#)

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 **Government Websites by [CivicPlus®](#)**

Wissahickon Creek TMDL Strategy Plan

Documents

- [Wissahickon Creek Watershed MS4 TMDL Strategy Plan - Revised 12-21-15 \(PDF\)](#)
- [Appendix A \(PDF\)](#)
- [Appendix B \(PDF\)](#)
- [Appendix C \(PDF\)](#)
- [Appendix D \(PDF\)](#)
- [Appendix E \(PDF\)](#)
- [TMDL Strategy Plan Presentation 120315 \(PDF\)](#)

Calendar

Fri, Sep. 27

[Big Rig Roundup](#)

Sat, Sep. 28

[Community Festival](#)

Tue, Oct. 1

[Board of Supervisors - Work Session](#)

[View All Events](#)

Quick Links

- [Register for Whitpain Township Parks & Recreation](#)
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APPENDIX C

**ENVIRONMENTAL CONSERVANCY ARTICLES FROM
WHITPAIN TOWNSHIP'S E-NEWSLETTER**

Gregory Klucharich

From: Whitpain Township <thewire-whitpain township.org@shared1.ccsend.com>
Sent: Thursday, April 4, 2024 3:15 PM
To: Gregory Klucharich
Subject: Whitpain Recreation Association Parades Saturday To Begin Season

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.



Whitpain Township PENNSYLVANIA



Whitpain Wire

April 4, 2024

IN THIS ISSUE

- WRA Parade
- Mermaid Park
- Solar Eclipse

WRA Parade Saturday Kicks Off Season

Saturday morning marks the annual start of **WRA's** softball and baseball seasons.

- Leaf Collection
- Tree Giveaway
- Health Survey
- June 17 Golf
- Stormwater Tips
- Community Corner
- Meeting Schedule



Players and their parents will take part in an opening day parade from Centre Square Fire Company to Wentz Run Park. This parade will result in a brief closure of Skippack Pike (from DeKalb Pike to Cathcart Road) from approximately 8:45 am to 9:15 am.

A portion of Wentz Road will also close from Skippack Pike to Anvil Lane. Please note, the shopping centers at the intersection of DeKalb and Skippack Pikes can be accessed from the DeKalb Pike entrances.

Best wishes to the players this season. Play ball!

Some Soil To Be Removed At Mermaid Park

Crews will be performing shallow excavations to remove soil from a few locations on the former golf course at Mermaid Park starting on the week of April 15, weather permitting. The park will remain open and can be safely accessed by the public, but areas where work is occurring will be fenced off.

A portion of Mermaid Park was used as a golf course for many decades. Last year, testing showed that some putting greens, tee boxes and one fairway had elevated levels of arsenic and mercury. These substances were ingredients in various fertilizers and pesticides that were common years ago. Fortunately, testing showed that these substances were contained in a few isolated areas on the property.

Although with periodic monitoring the soils could remain onsite, the Township, in an abundance of caution, decided to remove and dispose of the soils at an approved location. Weather permitting, the removal work will likely last 2-4 weeks.

Solar Eclipse Happens Monday

A total solar eclipse will occur on Monday with parts of Pennsylvania, New York and New England in the path of totality.

The region will see about 90 percent totality a little after 3 p.m. NASA has a host of resources available, including guidance on timing and how to watch.

[Click here for NASA's eclipse site](#)



Street Sweeping Resumes - Leaf/Yard Waste Collection Scheduled For Next Week

The Township's street sweeper is making its rounds through Whitpain.

In addition to keeping roadways looking clean, the street sweeper performs an important environmental function as it removes debris and sediment from roads that would otherwise be washed into storm sewers and ultimately streams.

If you encounter the street sweeper when driving, please use caution in the area.

As a reminder, please do not rake leaves to the edge of the roadway as the street sweeper cannot pick up piles of leaves. Instead, please be sure to place leaves in biodegradable paper bags.

Leaf and yard waste will be collected this Monday, April 8, and April 22 for properties south of Skippack Pike and April 10 and April 24 for properties north of Skippack Pike.

[Click here for more leaf collection information](#)

Arbor Day Native Tree Giveaway On April 28

The Annual Township Arbor Day Beautification Program is set for Sunday, April 28, at at 8 a.m. at Prophecy Creek Park.

Once again, the giveaway features a wide range of native species. Along with free trees, free mulch and deer protection will be distributed to Township residents on a first-come, first-served basis.

This is a one-day event and will take place rain or shine. There is a limit of one group of three trees per address or household. No pre-registration is required but homeowners must present identification indicating Whitpain resident status.

[Click to view a list of available tree species and a brief description.](#)

County Office Of Public Health Conducting Survey

The Montgomery County Office of Public Health and community partners want to learn about your experiences, the health issues you care about, and your ideas to make our community healthier.

Please tell the County what matters most to you by filling out the confidential Montgomery County Community Health Assessment by **[clicking here](#)**. Information about the survey can be found **[here](#)**.

Results of the survey will be available to the whole community later this summer. This information will help to create more opportunities for Montgomery County residents to achieve their best health.

Play Golf June 17

Spots are available in the Whitpain Golf Classic on June 17 at Blue Bell Country Club.

The event includes lunch, beverages on the course and 18 holes in a scramble format on the Blue Bell course.

Proceeds benefit the Whitpain Police Association and the Stony Creek Day Camp Scholarship Fund.

[Click here for more information and to register](#)



Whitpain Golf Classic

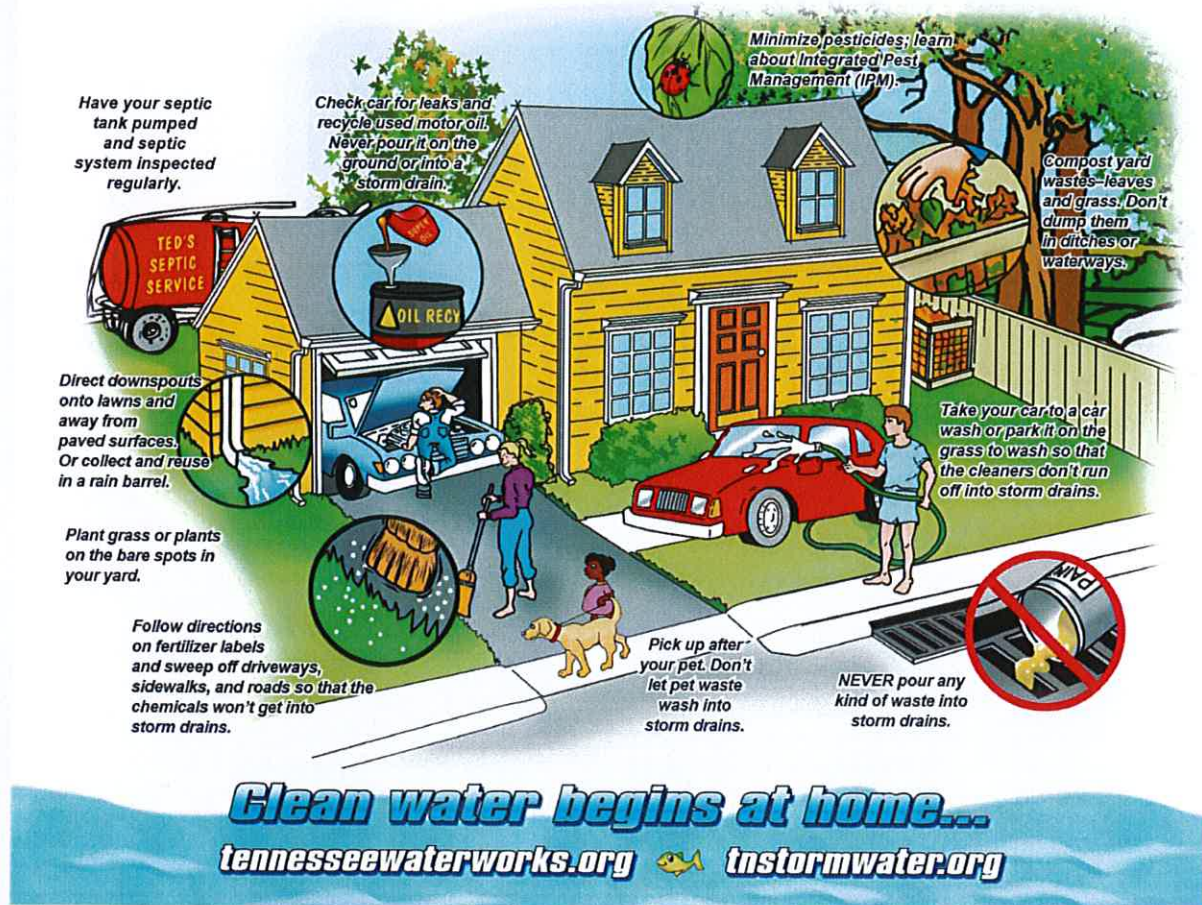
From The EAC: Sustainable Property Program Highlights Stormwater Management

The Sustainable Property Program offers the opportunity for certification based on six focus areas. The Township website also offers detailed information and educational

resources about each of these focus areas. Today, we highlight the topic of Stormwater Management.

Learn more about stormwater management practices as well as how to qualify for a Whitpain Sustainable Property yard sign [here](#).

Contact the Environmental Advisory Council at EAC@whitpaintownship.org



Community Corner

Wissahickon Valley Historical Society

The **Wissahickon Valley Historical Society** will host Bob Harley on April 8 at 7 p.m. at the 1895 Public School. Mr. Harley will speak about the Harleys who lived at "The Boxwood" and Dick Harley, an outstanding 19th century baseball player who is recognized with a plaque at Wentz Run Park.

Electronics Recycling

Rep. Matt Bradford & Rep. Liz Hanbidge
are hosting an

Electronics Recycling Event

**Saturday, April 6
9 AM– 11 AM**

**Montgomery County Community College,
340 Dekalb Pike, Lot 1D (enter off of Cathcart Road), Blue Bell**



ACCEPTABLE ITEMS:

small appliances

printers

computers

laptops

VCRs

DVD players

miscellaneous wire

electronic items with a plug

For more information, Contact:

Rep. Bradford: 610-222-3490 | repbradford@pahouse.net

Rep. Hanbidge: 610-277-3230 | rephanbidge@pahouse.net



Township Meeting Schedule

Township meetings are held in hybrid mode and can be attended in-person or viewed via Zoom. Please go to the Agenda Center for details of each meeting.

[Click for the Meeting Calendar](#)

[Click here for the Agenda Center](#)

April 8: Human Relations Commission, 5 p.m.

April 9: Planning Commission, 6:30 p.m.

April 10: Environmental Advisory Council, 5:30 p.m.



April 16: Board of Supervisors business meeting, 6 p.m.
April 17: Parks and Open Space Board, 6:30 p.m.
April 18: Zoning Hearing Board, 7 p.m.

whitpaintownship.org



Whitpain Township | 960 Wentz Road, Blue Bell, PA 19422

[Unsubscribe gklucharich@whitpaintownship.org](mailto:gklucharich@whitpaintownship.org)

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Sent by thewire@whitpaintownship.org powered by



APPENDIX D

WHITPAIN TOWNSHIP'S EAC – SUSTAINABLE PROPERTY PROGRAM

Whitpain Sustainable Property Program

Brought to you by the Whitpain Township Environmental Advisory Council



Through this program, Whitpain Township hopes to educate and inspire local property owners to voluntarily engage in a conservation-oriented approach to yard care. The goal of the program is to preserve Whitpain's natural environment by promoting native plants, stormwater management, composting, bird-friendly activities and other related practices. The Township also intends to officially recognize property owners who actively practice a wide variety of environmental conservation techniques on their property.

The Whitpain Sustainable Property program addresses 6 key aspects of a Sustainable Property:

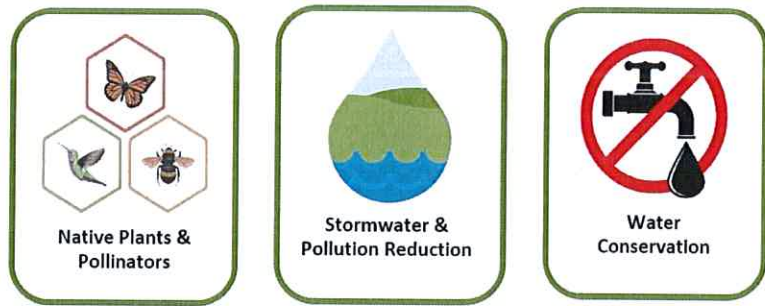
Whitpain Sustainable Property Program

Brought to you by the Whitpain Township Environmental Advisory Council



Through this program, Whitpain Township hopes to educate and inspire local property owners to voluntarily engage in a conservation-oriented approach to yard care. The goal of the program is to preserve Whitpain's natural environment by promoting native plants, stormwater management, composting, bird-friendly activities and other related practices. The Township also intends to officially recognize property owners who actively practice a wide variety of environmental conservation techniques on their property.

aspects of a Sustainable Property:



All Whitpain residents may apply for the program by completing an online application that will take less than 15 minutes to complete. **APPLY NOW**.

If you score 65% or higher, you will qualify for:

- Metal Whitpain Sustainable Property yard sign
- Recognition at a Board of Supervisors' meeting
- Recognition on the Whitpain Township EAC webpage

If you feel inspired to create a more sustainable property, we have provided a variety of **helpful information** to assist you. The application can be taken as many times as you like, as you take steps toward a sustainable property and improve your score!

Learn more about the Whitpain Sustainable Property program:

APPLY NOW

APPLICATION QUESTIONS (In case you want to see them before you start the application)

INFORMATION RESOURCES

LIST OF WHITPAIN RESIDENTS WITH SUSTAINABLE PROPERTIES

UPCOMING SUSTAINABLE PROPERTY WORKSHOPS

SUSTAINABLE PROPERTY PROGRAM KICKOFF RECORDING

Email whitpaineac@gmail.com with any questions you have about the Sustainable Property Program

 Government Websites by CivicPlus®



SPRING/SUMMER 2024

Welcome to

WHITPAIN TOWNSHIP



Montgomery County, Pennsylvania



INSIDE THIS ISSUE

Manager's Message	3
Contact Information.....	4
Board of Supervisors Reorganizes.....	5
Supervisors Approve 2024 Budget	5
Deputy Chief Retires	6
EAC Launches New Program	7
Shade Tree Commission Initiatives.....	8
Stormwater Management	9
PARKS & RECREATION	10-28
Discount Tickets	11



Special Events	12-14
Workshops.....	16
Stony Creek Day Camp & Tracers Teen Camp.....	17
One-Week Specialty Summer Camps	18-21
Youth Programs	18-25
Youth Tennis	26
Adult Tennis	27
Adult Programs.....	27-28
Whitpain Dog Park.....	29

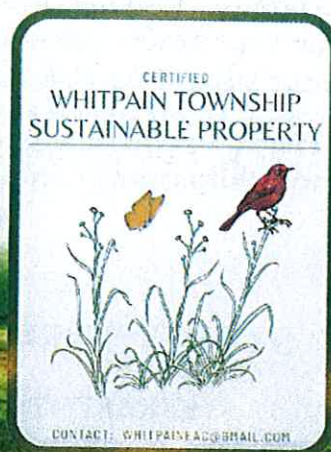
Learn about fun activities and more at www.WhitpainRec.com.

Visit our website at www.whitpaintownship.org and sign up for the Whitpain Wire

EAC Launches New Program

Whitpain Township Environmental Advisory Council is excited to announce the launch of its Sustainable Property Program (SPP). The program aims to educate and inspire local property owners to voluntarily engage in a conservation-oriented approach to yard care. The Township will officially recognize property owners who actively practice a wide variety of environmental conservation techniques on their properties. See complete details on the EAC webpage.

<https://www.whitpaintownship.org/464/Whitpain-Sustainable-Property-Program>



Make Your Home Your Favorite Place

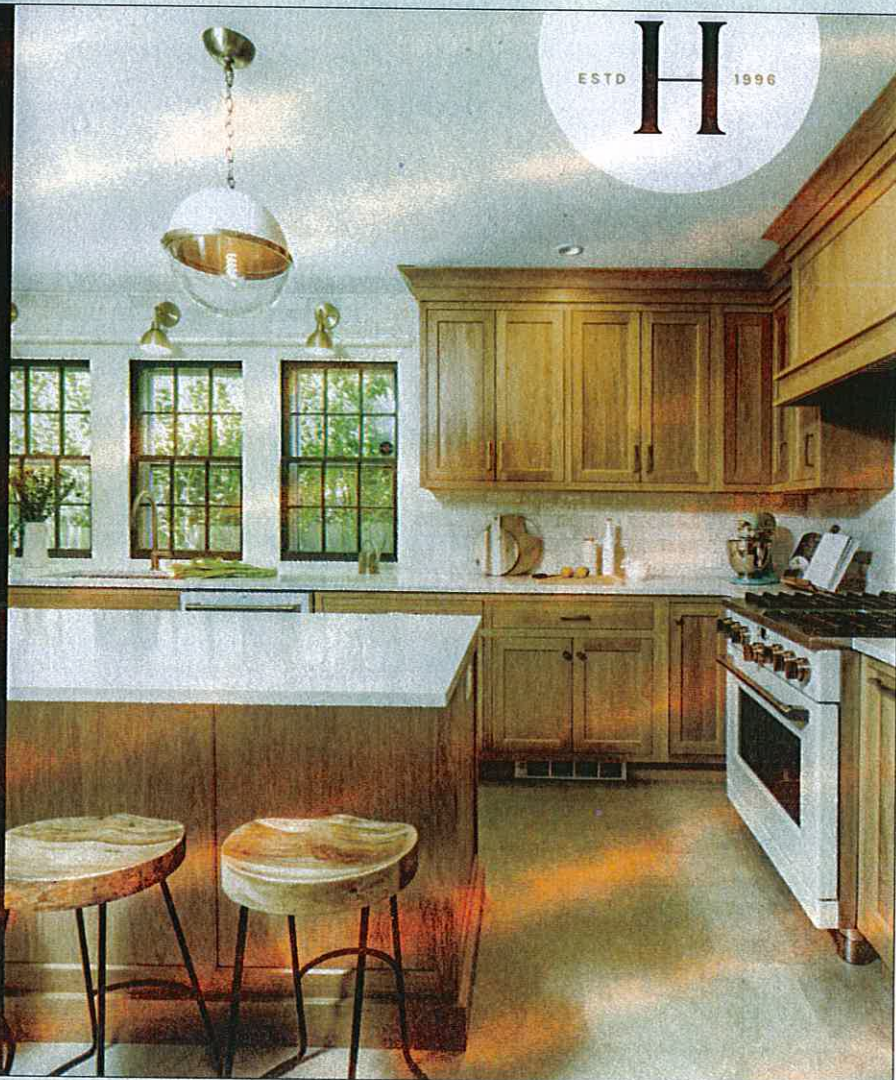
Harth Builders can improve the beauty and comfort of every room in your home — both inside and out.

HARTH
DESIGN | BUILD | REMODEL

HarthBuilders.com | 215.654.0364

812 N. Bethlehem Pike
Lower Gwynedd, PA

PA #0249



Gregory Klucharich

From: Whitpain Township <thewire-whitpaintownship.org@shared1.ccsend.com>
Sent: Thursday, June 27, 2024 2:16 PM
To: Gregory Klucharich
Subject: New Bike Lane Celebrated

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Whitpain Township PENNSYLVANIA



Whitpain Wire

June 27, 2024

IN THIS ISSUE

- Bike Lane
- Sustainable Property
- Pickleball Survey

New Bike Lane Celebrated

The Whitpain Board of Supervisors and GVF last Thursday celebrated the installation of a new permanent bike lane on Anvil Lane.

- Amish Outlaws
- Real Estate Taxes
- Fireworks
- Board of Supervisors
- Trail Work
- Tree Care
- Pollinator Event
- EMS Survey
- Meeting Schedule



As part of the festivities, a group of cyclists rode from Montgomery County Community College to Wentz Run Park, using the new bike lane for the final segment of the trip.

The event marked the culmination of the Bike More, Drive Less project in Whitpain. The Township and **GVF** were joined by Rep. Joe Webster, the Delaware Valley Regional Planning Commission, Montgomery County Planning Commission, staff members from state representative's and senator's offices, and a group of dedicated local cyclists.



Residents Receive Sustainable Property Awards

At Tuesday's meeting, the Board of Supervisors, along with the Environmental Advisory Council, awarded Whitpain residents certification in the Sustainable Property Program.

This new program awards residents for their sustainable yard practices.

[Click here for useful tips, resources, and information on how to apply.](#)



PICKLEBALL
COMMUNITY INPUT SURVEY

SCAN ME!

TAKE A QUICK SURVEY!

YOUR FEEDBACK MATTERS!
LET US KNOW **YOUR** OPINION ON
PICKLEBALL COURTS IN THE
TOWNSHIP!

Take The Township's Pickleball Survey

Whitpain is considering the feasibility of creating pickleball courts within the township. Since community input is essential to this process, please consider completing a brief survey to ensure your voice is heard.

The survey, which should take about three minutes to complete, can be **found here**.

Amish Outlaws At Mermaid Park Tonight

Parks and Recreation's Summer Concert and Movie Series welcomes the Amish Outlaws to Mermaid Park tonight. The music begins at 7 p.m.

[Click here for the full calendar](#)



Township/County Real Estate Tax Payments Due June 30

If you have not yet paid your 2024 Township/County Real Estate Tax Bill, please do so by June 30, to avoid penalty fees.

You can view your bill and pay online at www.whitpain-taxes.org.





Fireworks Scheduled

Please note the date and time of these upcoming fireworks if displays are a concern for anyone in your home or pets.

June 28, Union League at Liberty Hill, 9:15 p.m.

July 3, Green Valley Country Club, 9:15 p.m.

July 3, Cedarbrook Country Club, 9 p.m.

July 3, Bluestone Country Club, 9:30 p.m.

July 5, Blue Bell Country Club, 9:15 p.m.

July 5, Ambler Kiwanis at Wissahickon HS, approx. 9 p.m.

Board of Supervisors Meets July 2

The Board of Supervisors will hold a work session meeting on July 2 at 6 p.m. The meeting can be attended in person at the Township Building or viewed on Zoom.

Zoom Viewing

[Click here to join the meeting](#)

Passcode: 624087

Telephone Participation

Dial: 301-715-8592

Webinar ID: 896 0343 3532

Passcode: 624087

Work Being Done On Trail Connecting To Wentz Run Park

A Township contractor is working on a trail connecting the sidewalk along Wentz Road to the Wentz Run Park Nature Trail.

The new asphalt trail, which will run along the PECO power lines, is expected to be completed by August 1, 2024. However, as with any construction project, the estimated completion date is weather-dependent and subject to change.

Remember To Water Newly-Planted Trees

During this hot and dry stretch, the Shade Tree Commission reminds residents to properly water their newly planted trees.

Whether you received a tree at our annual tree giveaway, as part of our street tree program, or if you purchased your own tree, proper watering is essential to a healthy tree. This is especially true for young trees that are still establishing their root system.

To learn more, please visit the [National Arbor Day Foundation](#) or [Penn State Extension](#).

From The EAC: Free Pollinators and Pollinator Habitats Workshop

Join us on Tuesday, July 9th at 6 p.m. for a fun and educational event about the important role of pollinators and how you can help to support them by converting part of your lawn into various pollinator gardens utilizing native plants and shrubs.

See how native plantings designed to bloom consecutively throughout the season provide food and shelter to the pollinators.

Learn about the role of native bees, butterflies and other pollinators in our ecosystem and how you can help to protect them.

The workshop will be held at a Whitpain Township resident's property with the address released to registrants. Come learn how to make Whitpain more sustainable!

Sign up [here](#). Space is limited to the first 15 participants.

Contact the Environmental Advisory Council at EAC@whitpaintownship.org or visit its [web page](#)

Take The Montgomery County EMS Survey

Montgomery County is conducting a survey on the future delivery of emergency medical services in the county. The goal of the survey is to obtain real life experiences from residents.

[Click here to take the survey](#)

Township Meeting Schedule

Township meetings are held in hybrid mode and can be attended in-person or viewed via Zoom. Please go to the Agenda Center for details of each meeting.

[Click for the Meeting Calendar](#)

[Click here for the Agenda Center](#)

July 2: Board of Supervisors work session, 6 p.m.
July 9: Planning Commission, 6:30 p.m.
July 10: Environmental Advisory Council, 5:30 p.m.
July 16: Board of Supervisors business meeting, 6 p.m.
July 18: Zoning Hearing Board, 7 p.m.



whitpaintownship.org



Whitpain Township | 960 Wentz Road | Blue Bell, PA 19422 US

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APPENDIX E

RAINBARREL WORKSHOP

Home Spotlights

Posted on: May 31, 2024

EAC Rain Barrel Workshop

T
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e
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A
C



is hosting a Rain Barrel Workshop for Whitpain residents on Wednesday, June 12 at 7 PM at the Whitpain Township Meeting Room.

The \$45 registration fee entitles you to a 58 gallon Camel's Hump Rain Barrel, with a retail value of over \$100. Erin Crump, EAC member and Penn State Master Watershed Steward, will

Tools

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- [Home Spotlights](#)

discuss the connections between stormwater, our local watersheds, and rain barrel usage. In addition, a local homeowner will share his experience with installing a Camel's Hump Rain Barrel.

Don't miss this opportunity to make a positive impact toward a more sustainable Whitpain. Register [here](#) ASAP as the opportunity is available only to the first 25 who enroll.

Next ➔

[Township](#)

[Meeting](#)

[Schedule](#)

Other News in Home Spotlights

[Township Meeting](#) [Schedule](#)

Posted on: May 28, 2024



[Community Center](#) [Progress Shared](#)

Posted on: May 24, 2024



[Concerts And Movies Are](#) [Coming](#)

Posted on: May 1, 2024



NEWS & HIGHLIGHTS

Keep informed with us



EAC Rain Barrel Workshop

The EAC is hosting a Rain Barrel Workshop for Whitpain residents on Wednesday, June 12 at 7 PM at the Whitpain Township Meeting Room.

[Read on...](#)



Township Meeting Schedule

Township meetings are held in hybrid mode and can be attended in-person or viewed via Zoom. Please go to the Agenda Center for details of each meeting.

[Read on...](#)



Community Center Progress Shared

The Township offered a progress update on community center planning at the Board of Supervisors' meeting on Tuesday, May 21.

[Read on...](#)

Stormwater Solutions in Action Tour

Join Whitpain Township's Assistant Engineer, Greg Klucharich, on a walk through Wentz Run Park to view Stormwater Management practices in action

[Read on...](#)

Mermaid Park Soil Removal

After a brief delay, the soil removal work at Mermaid Park will begin on May 14.

[Read on...](#)

Montco Trail Challenge Begins

The Montco Trail Challenge is a great opportunity for families and individuals of all ages to exercise, explore, and experience the traffic-free network of parks, trails, and historic sites throughout the County.

[Read on...](#)

County Household Hazardous Waste Collection Events Begin Saturday

Montgomery County's Household Hazardous Waste Collection events begin this Saturday at Indian Valley Middle School. There is a collection at Temple University-Ambler on June 1.

[Read on...](#)

CALENDAR & EVENTS

Keep up to date with upcoming events and meetings

< June 2024 >							Tue, Jun. 4	Wed, Jun. 5
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Board of Supervisors - Work Session Read On	Shade Tree Commission Meeting Read On
26	27	28	29	30	31	1		
2	3	4	5	6	7	8	Wed, Jun. 5	Wed, Jun. 5
9	10	11	12	13	14	15	NYC Day on Your Own Read On	Stormwater Solutions in Action Tour Read On
16	17	18	19	20	21	22		
23	24	25	26	27	28	29		
30	1	2	3	4	5	6		

[View All Events](#)

POPULAR RESOURCES

Stay informed with us

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[Board of Supervisors](#)

[Committees](#)

[Departments](#)

[Pay Sewer Bill](#)

Community

[Activities](#)

[Board of Supervisors](#)

[Committees](#)

[Departments](#)

Government

[Board of Supervisors](#)

Gregory Klucharich

From: Whitpain Township <thewire-whitpaintownship.org@shared1.ccsend.com>
Sent: Thursday, June 6, 2024 3:15 PM
To: Gregory Klucharich
Subject: Retiring Township Manager Honored

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Whitpain Township
PENNSYLVANIA



Whitpain Wire

June 6, 2024

IN THIS ISSUE

- Retiring Manager Honored
- Pride Month

Retiring Township Manager Honored

After a long career with Whitpain Township with stints as Township Engineer, Assistant Manager,

- Financial Award
- Concerts & Movies
- Grant Award
- Anvil Road Bike Lane
- Rain Barrel Workshop
- Meeting Schedule



and ultimately Township Manager, Roman Pronczak officially retired on June 4.

A large contingent of friends, family, and staff members were joined by current and former Township Supervisors to celebrate Roman's career at Tuesday's Board meeting.

"It's been a pleasure to work for the people of Whitpain Township for the last 28 years, and a true honor to serve as manager for the last 13," Roman said. "I had the good fortune to work with many supportive Township Supervisors and a tremendous group of Township staff members for nearly three decades. I am extremely grateful to have had the opportunity to serve such a wonderful community."

Roman was presented with commemorative gifts and honored with a citation from the state House of Representatives and a proclamation from the Whitpain Township Board of Supervisors. The Supervisors also renamed the large meeting room at the Township Building to "The Pronczak Room."

[Click here to view the Board of Supervisors meeting and the recognition of Roman Pronczak](#)



Whitpain Marks Pride Month

June is Pride Month and the Township recently marked the celebration with the raising of the Pride Flag outside the Township Building.

Township Supervisors were joined by county and local officials for the annual Pride flag raising ceremony on Wednesday afternoon. Speakers included Supervisor Chair Scott Badami, County Commissioners Jamila Winder and Neil Makhija, and Montgomery County Clerk of Courts Lori Schreiber.



Township Recognized For Financial Reporting



Whitpain recently received its 12th consecutive Certificate of Achievement for Excellence in Financial Reporting for its annual comprehensive financial report for the fiscal year ending on December 31, 2022.

The **Government Finance Officers Association** of the United States and Canada (GFOA) determined the financial report meets the high standards of the program, which includes demonstrating a constructive "spirit of full disclosure" to clearly communicate its financial story.

The Certificate of Achievement is the highest form of recognition in the area of governmental accounting and financial reporting, and its attainment represents a significant accomplishment by a government and its management.

Concerts And Movies Begin June 18

Parks and Recreation's Summer Concerts and Movie Series is drawing closer.

The series begins on June 18 with the Teenage Mutant Ninja Turtles Mutant Mayhem movie at Wentz Run Park followed by the Amish Outlaws at Mermaid Park on June 27.

[Click here for the full calendar](#)

TEENAGE MUTANT NINJA

TURTLES

MUTANT
MAYHEM



Township Awarded Grant Supporting Cycling

The Township has been awarded a Montco 2040 Grant Award for \$10,374 that will fund the purchase of three bicycle Fix-It Plus Stations and eight bike racks to be installed at several Township parks and open space areas.

This small but impactful project will add to Whitpain's ongoing efforts to be a more bike-friendly community.

June 20 Bike Ride To Celebrate New Bike Lane

GVF and the Township will celebrate the installation of a bike lane on Anvil Road with a bike ride on June 20.

The ride will start at 8:15 a.m. at Montgomery County Community College with cyclists departing the college at 8:30 a.m. and arriving at Wentz Run Park at 8:45 a.m. The bike lane will be dedicated at 9 a.m. The community is welcome to join the ride.

[Click here for more information](#)



From The EAC: June 12th Rain Barrel Workshop

The EAC is hosting a Rain Barrel Workshop for Whitpain residents on Wednesday, June 12 at 7 PM at the Whitpain Township Meeting Room.

The \$45 registration fee includes a 58 gallon Camel's Hump Rain Barrel (retail value over \$100). Erin Crump, EAC member and Penn State Master Watershed Steward, will discuss the connections between stormwater, our local watersheds, and rain barrel usage. In addition, a local homeowner will share his experience with installing a Camel's Hump Rain Barrel.

Don't miss this opportunity to make a positive impact toward a more sustainable Whitpain. Register [here](#) ASAP as the opportunity is available only to the first 25 who enroll.

Contact the Environmental Advisory Council at EAC@whitpaintownship.org or visit its [web page](#)

Township Meeting Schedule

Township meetings are held in hybrid mode and can be attended in-person or viewed via Zoom. Please go to the Agenda Center for details of each meeting.

[Click for the Meeting Calendar](#)

[Click here for the Agenda Center](#)



June 11: Planning Commission, 6:30 p.m.
June 12: Environmental Advisory Council, 5:30 p.m.
June 13: Finance and Pension Committee, 5:30 p.m.
June 18: Board of Supervisors business meeting, 6 p.m.
June 20: Zoning Hearing Board, 7 p.m.
June 24: Human Relations Committee, 5 p.m.
June 26: Parks and Open Space Board, 6:30 p.m.

whitpaintownship.org



Whitpain Township | 960 Wentz Road | Blue Bell, PA 19422 US

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APPENDIX F

STORMWATER PRESENTATION AND

BMP WALK-THRU

NEWS & HIGHLIGHTS

Keep informed with us



From The EAC: The Quiet Revolution

As Spring arrives each year, homeowners start thinking again about their vegetable gardens, flower beds, lawns and trees.

[Read on...](#)



Concerts And Movies Are Coming

Parks and Recreation's Summer Concerts and Movie Series returns on June 18 and continues through the summer.

[Read on...](#)



Guided Trail Walks Have Started

Members of the Park & Open Space Board will lead a series of guided walks at a leisurely pace on Township trails beginning this Saturday.

[Read on...](#)

Whitpain Remembers Law Enforcement Officers

National Police Week concludes Saturday. The annual event is an opportunity to remember and honor law enforcement officers who died in the line of duty. Whitpain remembers all officers who made the ultimate sacrifice while serving their communities.

Community Center To Be Discussed On May 21

Township staff will provide an update on community center planning at the Board of Supervisors' meeting on Tuesday, May 21. The presentation will include updated layout concepts and will detail next steps in the planning process.

Thank You Second Alarmers

Whitpain says thank you to Second Alarmers Rescue Squad as part of the celebration of EMS Week. EMS Week, which is celebrated May 19 to May 25, honors emergency medical service staff that help save lives every day.

[Read on...](#)

Stormwater Solutions in Action Tour

Join Whitpain Township's Assistant Engineer, Greg Klucharich, on a walk through Wentz Run Park to view Stormwater Management practices in action

[Read on...](#)

[View All News](#)

CALENDAR & EVENTS

Keep up to date with upcoming events and meetings

< May 2024 >							Thu, May 16 Zoning Hearing Board Meeting Read On	Mon, May 27 Memorial Day Read On
Sun	Mon	Tue	Wed	Thu	Fri	Sat		
28	29	30	1	2	3	4		
5	6	7	8	9	10	11		
12	13	14	15	16	17	18		
19	20	21	22	23	24	25		
26	27	28	29	30	31	1		

[View All Events](#)

POPULAR RESOURCES

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[Committees](#)

[Departments](#)

[Pay Sewer Bill](#)

Community

[Activities](#)

[Board of Supervisors](#)

[Committees](#)

[Departments](#)

Government

[Board of Supervisors](#)

[Home](#)

Posted on: May 15, 2024

Stormwater Solutions in Action Tour

STORMWATER SOLUTIONS IN ACTION TOUR

June 5 from 6-7 PM at Wentz Run Park

Join Whitpain Township's Assistant Engineer, Greg Klucharich, on a walk through Wentz Run Park to view Stormwater Management practices in action. You will see a rain garden, a vegetated swale and tree plantings and learn how these practices are being used to mitigate flooding and pollution caused by stormwater. Space limited to the first 20 registrants. Register [here](#)

Tools

[RSS](#)

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Categories

- [All Categories](#)
- [Home](#)
- [Home Spotlights](#)

← [Previous](#)

[Thank You](#)
[Second](#)
[Alarmers](#)

[Next](#) ⇒

[Mermaid Park](#)
[Soil Removal](#)

Other News in Home





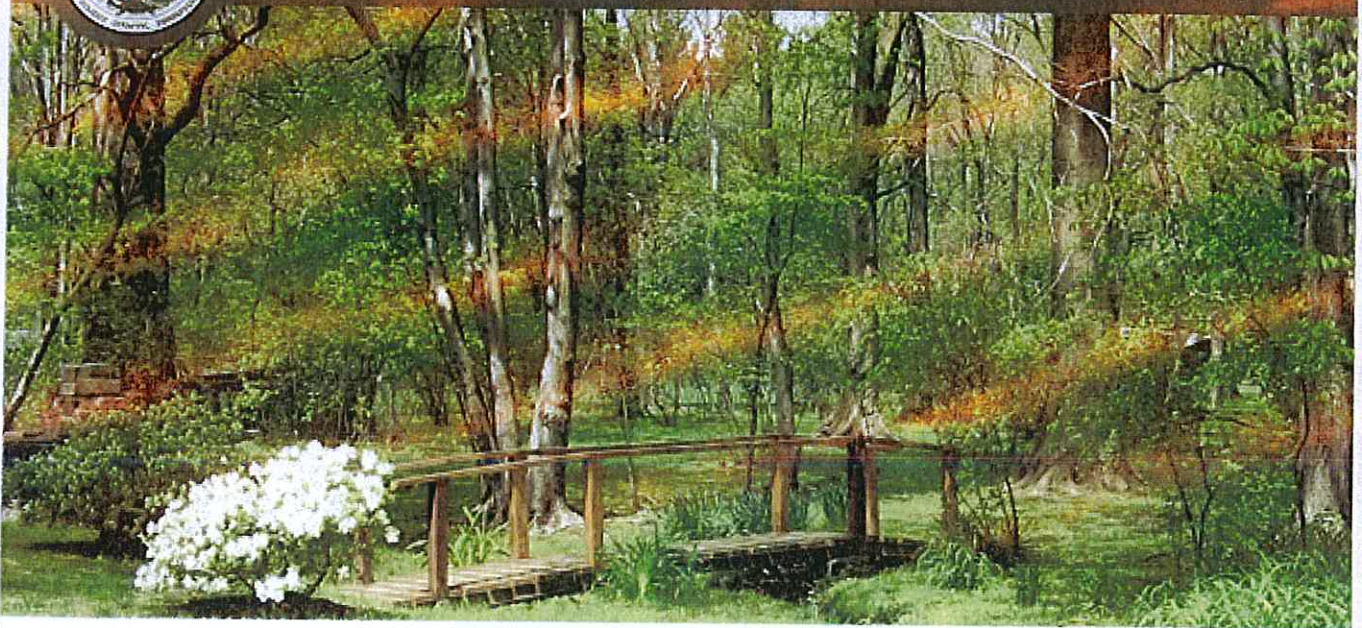
Gregory Klucharich

From: Whitpain Township <thewire-whitpaintownship.org@shared1.ccsend.com>
Sent: Thursday, May 16, 2024 2:31 PM
To: Gregory Klucharich
Subject: Community Center To Be Discussed Tuesday

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.



Whitpain Township
PENNSYLVANIA



Whitpain Wire

May 16, 2024

IN THIS ISSUE

- Community Center
- Police Week
- EMS Week

**Community Center To Be
Discussed On Tuesday**

- Township Award
- Manager Honored
- Leaf Collection
- Fireworks
- Stormwater Solutions
- Park Walk
- Community Corner
- Meeting Schedule



Township staff will provide an update on community center planning at the Board of Supervisors' meeting on Tuesday, May 21.

The presentation will include updated layout concepts and will detail next steps in the planning process.

The meeting can be attended in-person or viewed via Zoom.

Zoom Viewing

[Click here to join the meeting](#)

Passcode: 691636

Telephone Participation

Dial: 301 715 8592

Webinar ID: 814 1029 4087

Passcode: 691636

The agenda will be available in the **[Agenda Center](#)**.

Remember Law Enforcement Officers

National Police Week concludes this Saturday. The annual event is an opportunity to remember and honor law enforcement officers who died in the line of duty.

Whitpain remembers all officers who made the ultimate sacrifice while serving their communities.

Please keep law enforcement officers in your thoughts.



Thank You Second Alarmers



Whitpain says thank you to **Second Alarmers Rescue Squad** as part of the celebration of EMS Week.

EMS Week, which is celebrated May 19 to May 25, honors emergency medical service staff that help save lives every day.

Please join us in sending best wishes to Second Alarmers and all EMS personnel.

Township Recognized For Cycling Support

Members of the Board of Supervisors received a 2024 Planning Leadership Award at GVF's 34th annual meeting.

The award recognizes the Township's efforts to advance the Bike More Drive Less program. As part of the program, the Township passed a no parking ordinance on Anvil Lane and painted a bike lane making it easier for cyclists to access Wentz Run Park.

(left to right) GVF Deputy Executive Director Maureen Farrell, Supervisor Jeff Campolongo, Board Chair Scott Badami, Supervisor Joyce Keller, and Supervisor Sara Selverian



Historical Society Recognizes Retiring Township Manager

The Wissahickon Valley Historical Society recognized Township Manager Roman Pronczak for his years of service to Whitpain and for building a strong partnership with the historical society.

Roman is set to retire on June 4 after a long career with Whitpain that began in 1996 when he was appointed Township Engineer.

(left to right) Wissahickon Valley Historical Society President Carol Kalos, Supervisor Jeff Campolongo, Board Chair Scott Badami, Township Manager Roman Pronczak, and Supervisor Sara Selverian



Leaf Collection Scheduled For May 22, 28

Leaf and yard waste collection is scheduled for May 22 and May 28. Please note the change from the normal schedule.

Residents living south of Skippack Pike will have their leaf and yard waste collected on May 28. Residents living north of Skippack Pike will have their collection on May 22.

[Please click here for a map of the two collection areas](#)

If your pickup is missed, you must call the Township the day of collection at 610-277-2400. This program is not available to private communities.



Fireworks Scheduled For Saturday

A fireworks display is scheduled for 9:45 p.m. this Saturday at Bluestone Country Club. Please note the time if you have young children and pets.

From The EAC: Stormwater Solutions In Action Tour

Join Whitpain Township Assistant Engineer Greg Klucharich on June 5 from 6 p.m. to 7 p.m. on a walk through Wentz Run Park to view stormwater management practices in action.

You will see a rain garden, a vegetated swale and tree plantings and learn how these practices are being used to mitigate flooding and pollution caused by stormwater.

Space is limited to the first 20 registrants. [Register here](#)

Contact the Environmental Advisory Council at EAC@whitpaintownship.org or visit its [web page](#)

Join Armentrout Preserve Walk On May 22

Members of the Park & Open Space Board are leading a series of guided walks at a leisurely pace through Township parks. All are welcome.

The next walk is Wednesday, May 22 at 6 p.m. at Armentrout Preserve. Please use the Beale Road parking area.

Community Corner

Red Cross

May 29, 1 p.m.-6 p.m. Blood Drive, Whitpain Township Building. [Click here to register](#). Use sponsor code Whitpain.

Wissahickon Valley Historical Society Events

June 4, 6:30 p.m., Lower Gwynedd Township Building: Russ Bellevance discusses the history of Gwynedd

Township Meeting Schedule

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[Click here for the Agenda Center](#)

May 16: Zoning Hearing Board, 7 p.m.

May 21: Board of Supervisors business meeting, 6 p.m.



whitpaintownship.org



Whitpain Township | 960 Wentz Road, Blue Bell, PA 19422

[Unsubscribe gklucharich@whitpaintownship.org](mailto:gklucharich@whitpaintownship.org)

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Sent by thewire@whitpaintownship.org powered by



Gregory Klucharich

From: Whitpain Township <thewire-whitpaintownship.org@shared1.ccsend.com>
Sent: Thursday, June 13, 2024 2:35 PM
To: Gregory Klucharich
Subject: Juneteenth Recognized

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Whitpain Township PENNSYLVANIA



Whitpain Wire

June 13, 2024

IN THIS ISSUE

- Juneteenth
- Firefighter Honored
- June 18 Movie Night

Township Recognizes Juneteenth

Whitpain Township will be closed next Wednesday, June 19, to celebrate the **Juneteenth** holiday.

- Grant Award
- Bike Lane Celebration
- Walk In The Park
- Class Of 2024
- Meeting Schedule



Juneteenth is also known as a second Independence Day in our Nation's History and commemorates the date in 1865 when union troops arrived in Galveston Bay and announced that enslaved people were free.

[Click here for more information and resources on Juneteenth](#)



Former Township Firefighter Honored

On Saturday, family and friends of Whitpain Township Firefighter John Kulick gathered in Hatboro to pay tribute to his legacy.

State Representative Nancy Guent (PA-152) sponsored legislation to have the South Warminster Road bridge in Hatboro named in John's honor.

John enlisted in the Pennsylvania National Guard in 2003 and was then summoned to active duty in late 2004. John was killed in action in August of 2005 while serving in Iraq.

Whitpain Fire Marshal David M. Camarda was at the dedication, and was honored to speak about John and his role as a career firefighter at the Township from 1999 to 2005.

(left to right) Jill Kulick, Amanda Kulick, State Representative Nancy Guent, and State Senator Maria Collett.



Teenage Mutant Ninja Turtles Kick Off Summer Movies This Tuesday

Parks and Recreation's Summer Concert and Movie Series begins this Tuesday, June 18, with the **Teenage Mutant Ninja Turtles Mutant Mayhem** movie at Wentz Run Park at dusk followed on June 27 by the Amish Outlaws at Mermaid Park.

[Click here for the full calendar](#)

TEENAGE MUTANT NINJA

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June 20 Bike Ride Celebrates New Bike Lane

GVE and the Township will celebrate the installation of a bike lane on Anvil Lane with a bike ride next Thursday, June 20.

The ride will start at 8:15 a.m. at Montgomery County Community College with cyclists departing the college at 8:30 a.m. and arriving at Wentz Run Park at 8:45 a.m. The bike lane will be dedicated at 9 a.m. The community is welcome to join the ride.

[Click here for more information](#)



From The EAC: A Walk In The Park

Thank you to the residents that joined the EAC for an informative tour of Wentz Run Park's stormwater management strategies.

Greg Klucharich, Whitpain Township's Assistant Engineer, led the walk explaining the uses and continued development of bioswales, rain gardens, native plantings and trees within the park.

Learn more about stormwater management practices for your own property at the **[Whitpain Sustainable Property Program Stormwater Information Resources link](#)**

Contact the Environmental Advisory Council at **EAC@whitpaintownship.org** or visit its **[web page](#)**



Congratulations Class Of 2024

The Township wishes success to all students having a graduation this spring.

Congratulations to you and your family.



Happy Father's Day



Township Meeting Schedule

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whitpaintownship.org



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APPENDIX G

IDD&E

ILLICIT DISCHARGE FIELD SCREENING PROGRAM
Data Collection Form

OUTFALL #: SC-0-1751 Date: 3/18/24 Time: 15:00

TIME SINCE LAST RAIN: ≥72 hours <72 hours

QUANTITY OF LAST RAIN: ≥0.1 inches <0.1 inches

INSPECTION TEAM: CAROLYN ELLISON

SITE DESCRIPTION:

LOCATION (Narrative Description): MONTGOMERY CTY COMMUNITY COLLEGE SALT BINS

STRUCTURE TYPE: OPEN CHANNEL MANHOLE OUTFALL OTHER: TRENCH DRAIN

DOMINANT WATERSHED LAND USES: INDUSTRIAL COMMERCIAL RESIDENTIAL UNKNOWN
OTHER: _____

FLOW ESTIMATION:

WAS FLOW OBSERVED? NO YES IF YES, PLEASE ANSWER a. - d. BELOW.

a. WIDTH OF WATER SURFACE (feet): _____

b. APPROXIMATE DEPTH OF WATER (feet): _____

c. APPROXIMATE FLOW VELOCITY (feet per second): _____

d. FLOW RATE (cubic feet per second) = $a \times b \times c =$ _____

VISUAL OBSERVATIONS:

WAS A PHOTO TAKEN? NO YES (Roll and Photo Number: _____)

ODOR: NONE MUSTY SEWAGE ROTTEN EGGS SOUR MILK OTHER: _____

COLOR: CLEAR RED YELLOW BROWN GREEN GREY OTHER: WHITE/BLUE

CLARITY: CLEAR CLOUDY OPAQUE

FLOATABLES: NONE OILY SHEEN GARBAGE/SEWAGE OTHER: SALT

DEPOSITS/STAINS: NONE SEDIMENTS OILY OTHER: _____

VEGETATION CONDITION: NONE NORMAL EXCESSIVE GROWTH INHIBITED GROWTH

STRUCTURAL CONDITION: NORMAL CONCRETE CRACKING METAL CORROSION OTHER: _____

BIOLOGICAL: MOSQUITO LARVAE BACTERIA/ALGAE OTHER: _____

FIELD ANALYSIS:

WATER TEMP: _____ °F / °C CHLORINE (Total): _____ mg/l

pH: _____ COPPER: _____ mg/l

PHENOL: _____ mg/l DETERGENTS: _____ mg/l

WAS A LABORATORY SAMPLE COLLECTED? NO YES
(if yes attach copy of chain-of-custody record)

COMMENTS: SALT LEACHING ON PAVEMENT TO TRENCH DRAIN
WATERS OUT INTO RETENTION BASIN SC-34
MUC COVERED SALT AND SWEEP UP SPILLAGE 4/1/24

DATA SHEET FILLED OUT BY: (signature) Carolyn Ellison DATE: 4/5/24

Carolyn Ellison

From: Phillip Capinski <Pcapinsk@mc3.edu>
Sent: Monday, April 1, 2024 1:27 PM
To: Carolyn Ellison
Subject: RE: Salt structure permit

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Carolyn!

I believe we fulfilled what you had asked for. Salt is fully covered and an 8" spill protection sock is in front of the salt to prevent any leaching into the storm water.

I have passed along my previous email correspondence with Jim. I have asked Mike to write the letter for the waiver because I don't know if I have the authority.

It's funny I just reminded him about this a few minutes ago.

If you need to stop by and check on things please call me (cell 610.739.4410) and I would be happy to go over things with you.

Thanks for everything!

Phil

Phil Capinski
Grounds Supervisor
Montgomery County Community College
340 Dekalb Pike
Bluebell, PA
19422
Cell 610.739.4410

From: Carolyn Ellison <cellison@whitpaintownship.org>
Sent: Monday, April 1, 2024 1:17 PM
To: Phillip Capinski <Pcapinsk@mc3.edu>
Subject: Salt structure permit

You don't often get email from cellison@whitpaintownship.org. [Learn why this is important](#)

Phil,

Good afternoon, I don't know if Mike got in touch with you, but the Township had received an Environmental Complaint form from DEP's office regarding the salt storage at the MCCC on 3/14/2024. So I was asked to stop by on 3/18/2024 to let you know about it so you could contain the salt properly and found out there was also supposed to have been a Waiver submitted. I am following up to make sure you did what is needed to be in compliance with the regulations. Please get in touch with Jim Blanch to finalize the project.

Sincerely,

Carolyn

Carolyn Ellison, E.I.T.
Engineering Inspector
Whitpain Township









Sail Storage Area (location of IDDE)

IDDE wastes to here via trench drain

Discharge point of system

OATHCART RD

1099

1098

1092

471

432

512

1039

1033

1098

1035

1090

624

601

617

615

613



pennsylvania
DEPARTMENT OF TRANSPORTATION
www.dot.state.pa.us

ILLICIT DISCHARGE REPORTING FORM

Inspector Information

Name: <u>CAROLYN FILLISON</u>	Date and Time Discharge Discovered: <u>9/13/2023</u>
Contact Phone Number: <u>610-277-2400</u>	<u>10:19 AM</u>

Discharge Information

PID Identification Number: _____			
COUNTY	SR	SEGMENT	OFFSET
(1) Owner Name/Address: <u>40 HIGHLAND LN BLUE BELL PA 19422</u>	<u>MICHAEL HAN</u>		
City/Boro/Twp: <u>WHITPAIN TOWNSHIP</u>	Nearest Intersection/Landmark: <u>PENNSYLVANIA BLUE BELL PK</u>		
GPS location, if known: <u>SEE PHOTOS</u>		Lat:	Long:

How Long since Last Rainfall: <input type="checkbox"/> Raining Now <input checked="" type="checkbox"/> 0-2 Days <input type="checkbox"/> 3 or more Days	Nature of Discharge or Flow: <u>VEHICLE WASH OIL/FLUID</u> <input type="checkbox"/> Solid (Continuous) <input type="checkbox"/> Intermittent (Occasional) <input type="checkbox"/> Pulsing (Fluctuating) <input type="checkbox"/> Transitory (Prior Spill)
If possible, identify the source of the discharge* <input type="checkbox"/> Pipe Outfall <input type="checkbox"/> Gutter <input type="checkbox"/> Sanitary Wastewater <input type="checkbox"/> Ditch <input type="checkbox"/> Septic System <input type="checkbox"/> Spill <input checked="" type="checkbox"/> Storm Sewer <input type="checkbox"/> Other: _____	Potential for Discharge to enter into: <input type="checkbox"/> Stream/Water Body <input type="checkbox"/> Wetland <input checked="" type="checkbox"/> Storm Drain <input checked="" type="checkbox"/> Other: <u>BASIN</u>
* Add descriptions of discharge/source to Field Photograph Log Sheet	
Was water flow observed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Was a photo taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, attach photos.
Direct Connection to pipe/inlet? <input type="checkbox"/> Yes <input type="checkbox"/> No	

(2) Describe Odor: <input checked="" type="checkbox"/> None <input type="checkbox"/> Musty <input type="checkbox"/> Rotten Eggs (Sulphur) <input type="checkbox"/> Rancid/Sour Milk <input type="checkbox"/> Sewage <input type="checkbox"/> Gas/Petroleum <input type="checkbox"/> Cooking Oil <input type="checkbox"/> Other: _____			
(2) Describe Clarity: <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Opaque <input type="checkbox"/> Sheen <input type="checkbox"/> Gray			
(2) Describe Color: <input type="checkbox"/> Red <input type="checkbox"/> Yellow <input type="checkbox"/> Brown <input type="checkbox"/> Green <input type="checkbox"/> Gray <input type="checkbox"/> White <input checked="" type="checkbox"/> Other: <u>OLL</u>			
(2) Solids/Floatables: <input type="checkbox"/> Garbage <input type="checkbox"/> Sewage <input type="checkbox"/> Tissue <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Scum <input type="checkbox"/> Iron Sheen <input type="checkbox"/> Unknown			
Additional Information to assist in the Investigation (Vegetation Impacts?): _____			
Describe Upstream/Source Origin/Land Use: <input type="checkbox"/> Forest <input type="checkbox"/> Ag <input checked="" type="checkbox"/> Res <input type="checkbox"/> Farmstd <input type="checkbox"/> Com <input type="checkbox"/> Ind <input type="checkbox"/> Vac <input type="checkbox"/> Inst <input type="checkbox"/> Muni <input type="checkbox"/> Mng			
SEMP Mgr. Send completed form to:		Pdot-idde@pa.gov	

Follow up Investigation (to be completed by BOMO staff)

Outfall Location: _____	Within UA?: Y / N	County: _____
FIELD ANALYSIS:		
Odor:	Solids/Floatables:	Flow:
Clarity:	Sheen/Scum:	Source Confirmed? Y / N
Color:	Condition of Vegetation:	Direct Connection? Y / N
Comments: (Immediate Environmental Concern? Y / N)		
DATE: _____	Inspection Name: _____	Additional notes to file: _____
Follow-up with Complainant: _____	Send Confirmed ID Elimination/Removal Letter: _____	







09/13/23

40.1509° N 73.2647° W



09/13/23

40.1510° N, 75.2646° W



Sent from my iPhone

Carolyn Ellison

From: Jim Blanch
Sent: Wednesday, September 13, 2023 8:39 AM
To: Carolyn Ellison
Cc: Gregory Klucharich
Subject: FW: 2023_0913 Montgomery_Whitpain_Illicit discharges to storm drain

Carolyn,

Good morning. Could you take a visit out to this property to see what he/she may be doing. We should complete a report on this one as well for MS4 compliance.

Sincerely,
Jim

From: EP, SERO COMPLAINTS <RA-EPSEROCOMPLAINTS@pa.gov>
Sent: Wednesday, September 13, 2023 8:06 AM
To: Jim Blanch <jblanch@whitpaintownship.org>; BuildingandZoning <BuildingandZoning@whitpaintownship.org>; Roman Pronczak <rpronczak@whitpaintownship.org>
Cc: Mahoney, Elizabeth <emahoney@pa.gov>; Miller, Lisa <lisamill@pa.gov>; Miller, Rex <remiller@pa.gov>; Russell, Benjamin <brussell@pa.gov>
Subject: 2023_0913 Montgomery_Whitpain_Illicit discharges to storm drain

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Morning,

Please see complaint below and follow up as needed.

Thank You,

Lisa Miller | Service Representative (she/her/hers)
Department of Environmental Protection | Southeast Regional Office
2 East Main Street | Norristown, PA 19401
Phone: 484.250.5991 | Fax: 484.250.5997
www.dep.pa.gov

PRIVILEGED AND CONFIDENTIAL COMMUNICATION

The information transmitted is intended only for the person or entity to whom it is addressed and may contain confidential and/or privileged material. Any use of this information other than by the intended recipient is prohibited. If you receive this message in error, please send a reply e-mail to the sender and delete the material from any and all computers. Unintended transmissions shall not constitute waiver of the attorney-client or any other privilege.

Report spills and other environmental emergencies 24/7/365 at 800-541-2050

From: donotreply@pa.gov <donotreply@pa.gov>

Sent: Tuesday, September 12, 2023 7:57 PM

To: EP, SERO COMPLAINTS <RA-EP-SEROCOMPLAINTS@pa.gov>

Cc: EP, OnBase Notifications <RA-EP-ONBASENOT@pa.gov>

Subject: Environmental Complaint Form Submission for MONTGOMERY

This is an e-mail acknowledgment that an environmental complaint has been received and referred to you for action. Please provide the submitter with information on the status of your investigation by telephone or in writing at your earliest possible convenience.

<https://cedcobweb.pa.lcl/obWeb/Workflow/WFLogin.aspx?LifeCycleID=103&QueueID=109&DocID=5515565>

Submitter Information	
Name:	Email Address:
Street Address:	City:
State: PA	Zip Code:
Home Telephone:	Work Telephone:
Cell Phone:	
Complaint Information	
Location of Problem - County: MONTGOMERY	Location of Problem - Township/Borough/City:
Know who is responsible:	WHITPAIN TOWNSHIP
Name: MICHAEL HAN	State: PA
Address: 40 HighGate Lane	ZipCode: 19422
City: Blue Bell	Phone Number:
Problem Description Directions	
Problem Description:	Directions:
Homeowner has been working on vehicle in driveway and has been washing oil down the storm drain.	Skippack Pike and Penlynn Blue Bell Pike

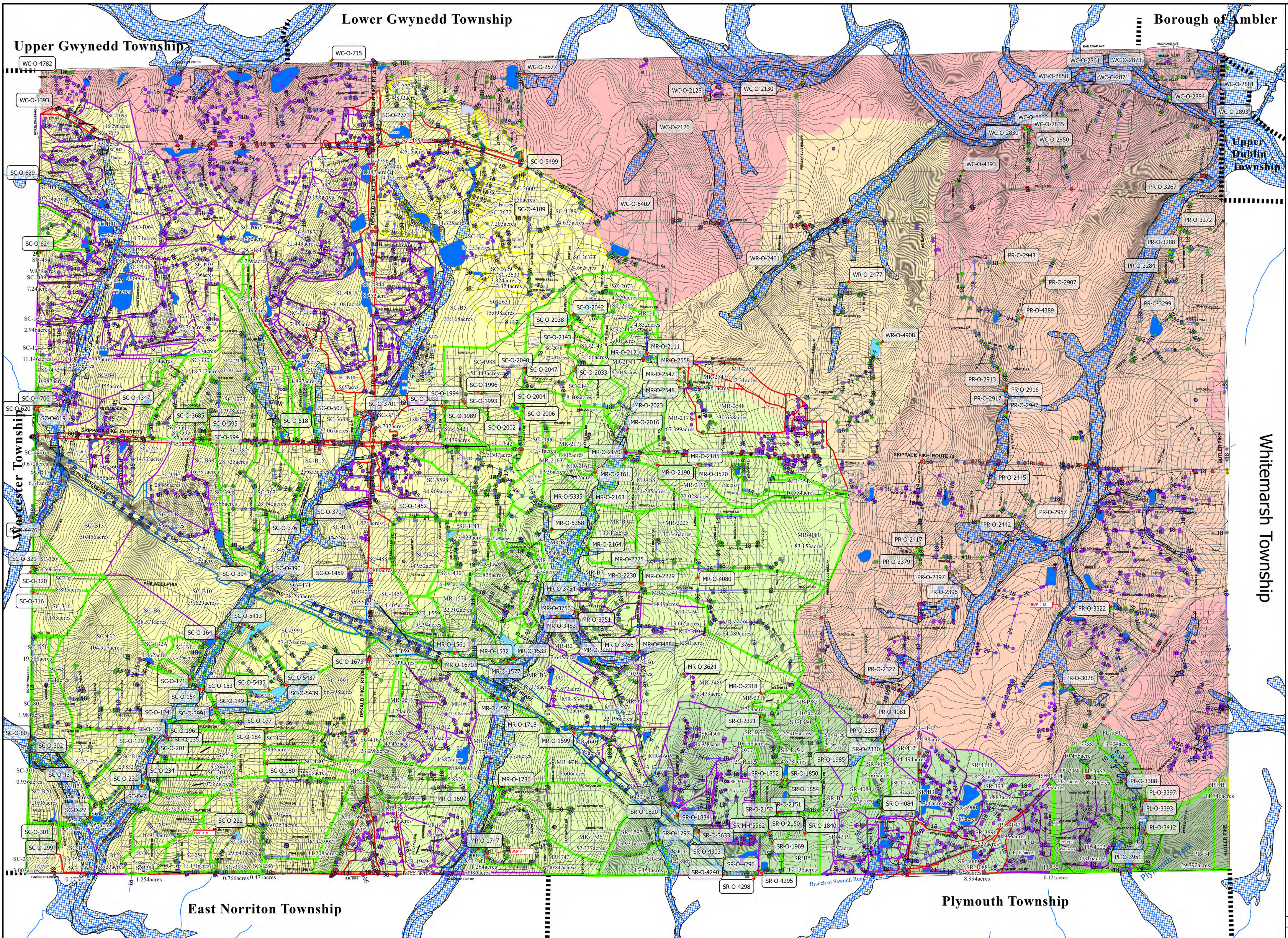


X POSSIBLE PT SRCE LOCATIONS

D PHOTOS TAKEN

APPENDIX H

WHITPAIN TOWNSHIP STORM SEWER OUTFALLS MAP



Lower Gwynedd Township

Borough of Ambler

Upper Gwynedd Township

Upper Dublin Township

Worcester Township

Whitemarsh Township

East Norriton Township

Plymouth Township

Whitpain Township



960 Wentz Road
Blue Bell, PA 19422

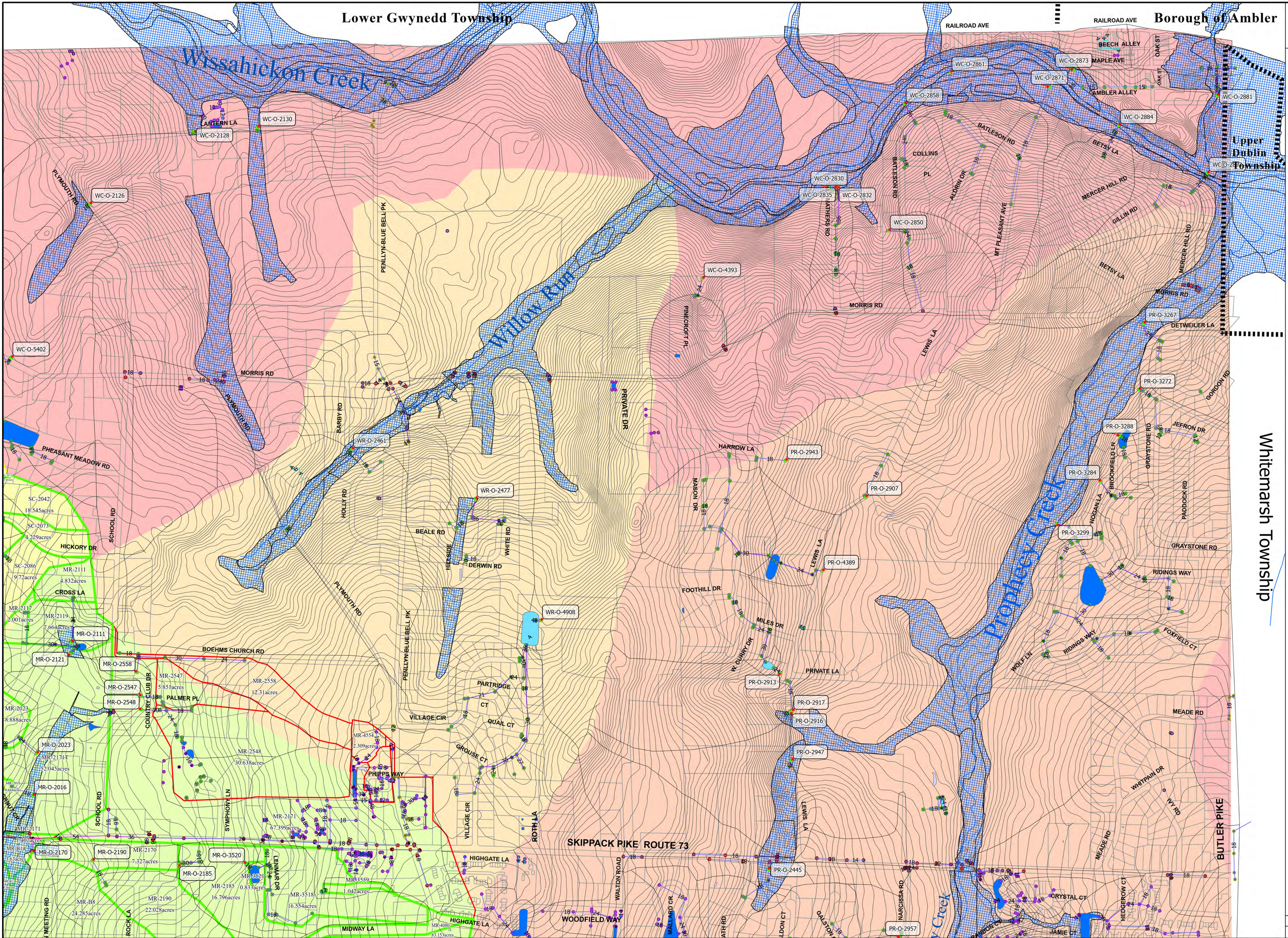
NOTE: The entire Township is considered urbanized.

MS4 Map
Overall Map and Outfalls



LEGEND

- Outfalls/TownshipMS4
- MunicipalBoundaries
- Streams
- DIAMETER
 - 0 - 5
 - 6 - 10
 - 11 - 15
 - 16 - 19
 - 20 - 24
 - 25 - 30
 - 31 - 42
 - > 42
- storm_pts
 - category
 - Manhole; manhole
 - outlet; endwall; headwall
 - outletstructure; inlet; Inlet
 - <all other values>
- storm_pts
- OWNER
 - COUNTY
 - PRIVATE
 - STATE
 - TOWNSHIP
 - TURNPIKE
 - RainBarrels
- basins
 - OWNER
 - PRIVATE
 - Township
 - WPS
 - sewers
 - manholes
 - Floodplain
 - Outfall/Watersheds
 - contours
- PRPDraingeSheds041717
 - Owner
 - COUNTY
 - PRIVATE
 - STATE
 - TOWNSHIP
 - TURNPIKE
 - Montgomery County, Parcels
 - Impervious/vpc2015
 - Wetlands
 - Roads
- watersheds
 - MAIN BASIN,SUB BASIN
 - Plymouth Creek
 - Sawmill Run
 - Stony Creek/Mermaid Run
 - Stony Creek
 - Wissahickon Creek/Willow Run
 - Wissahickon Creek/Prophecy Creek
 - Wissahickon Creek



Whitpain Township



960 Wentz Road
Blue Bell, PA 19422

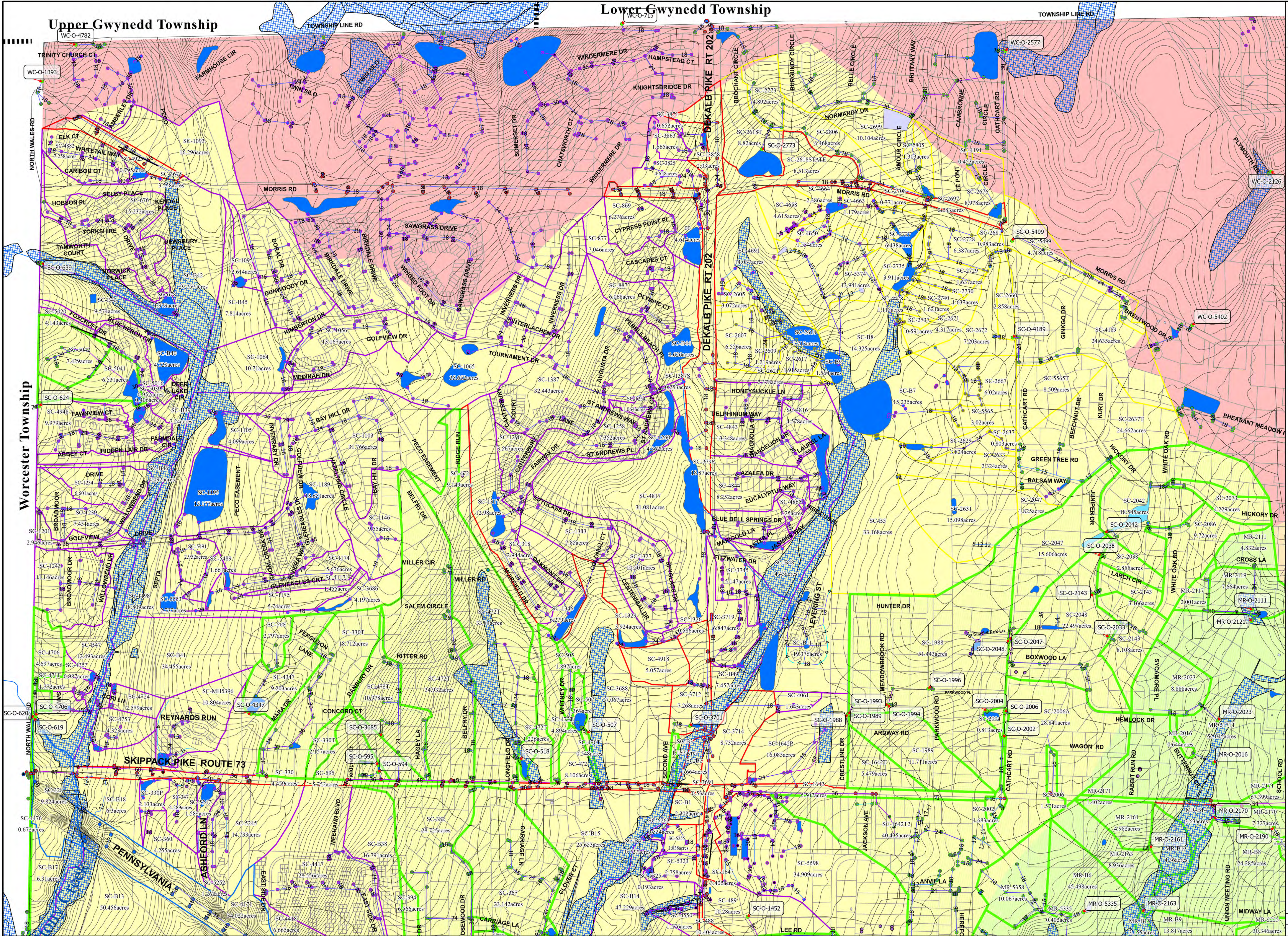
NOTE: The entire Township is considered urbanized.

MS4 Map
Northeast Quadrant



LEGEND

- OutfallsTownshipMS4
- MunicipalBoundaries
- Streams
- DIAMETER
 - 0 - 5
 - 6 - 10
 - 11 - 15
 - 16 - 19
 - 20 - 24
 - 25 - 30
 - 31 - 42
 - > 42
- storm_pts
 - category
 - Manhole; manhole
 - other
 - outlet; endwall; headwall
 - outletstructure; inlet; Inlet
 - <all other values>
- storm_pts
- OWNER
 - COUNTY
 - PRIVATE
 - STATE
 - TOWNSHIP
 - TURNPIKE
 - RainBarrels
- basins
 - OWNER
 - PRIVATE
 - Township
 - WPS
 - manholes
 - sewers
 - Floodplain
 - OutfallWatersheds
 - contours
- PRPDRAINAGESheds041717
 - Owner
 - COUNTY
 - PRIVATE
 - STATE
 - TOWNSHIP
 - TURNPIKE
 - Montgomery County Parcels
 - Imperviousvrcp2015
 - wetlands
 - Roads
- watersheds
 - MAIN BASIN,SUB BASIN
 - Plymouth Creek
 - Sawmill Run
 - Stony Creek/Mermaid Run
 - Stony Creek
 - Wissahickon Creek/Willow Run
 - Wissahickon Creek/Prophecy Creek
 - Wissahickon Creek



Whitpain Township



960 Wentz Road
Blue Bell, PA 19422

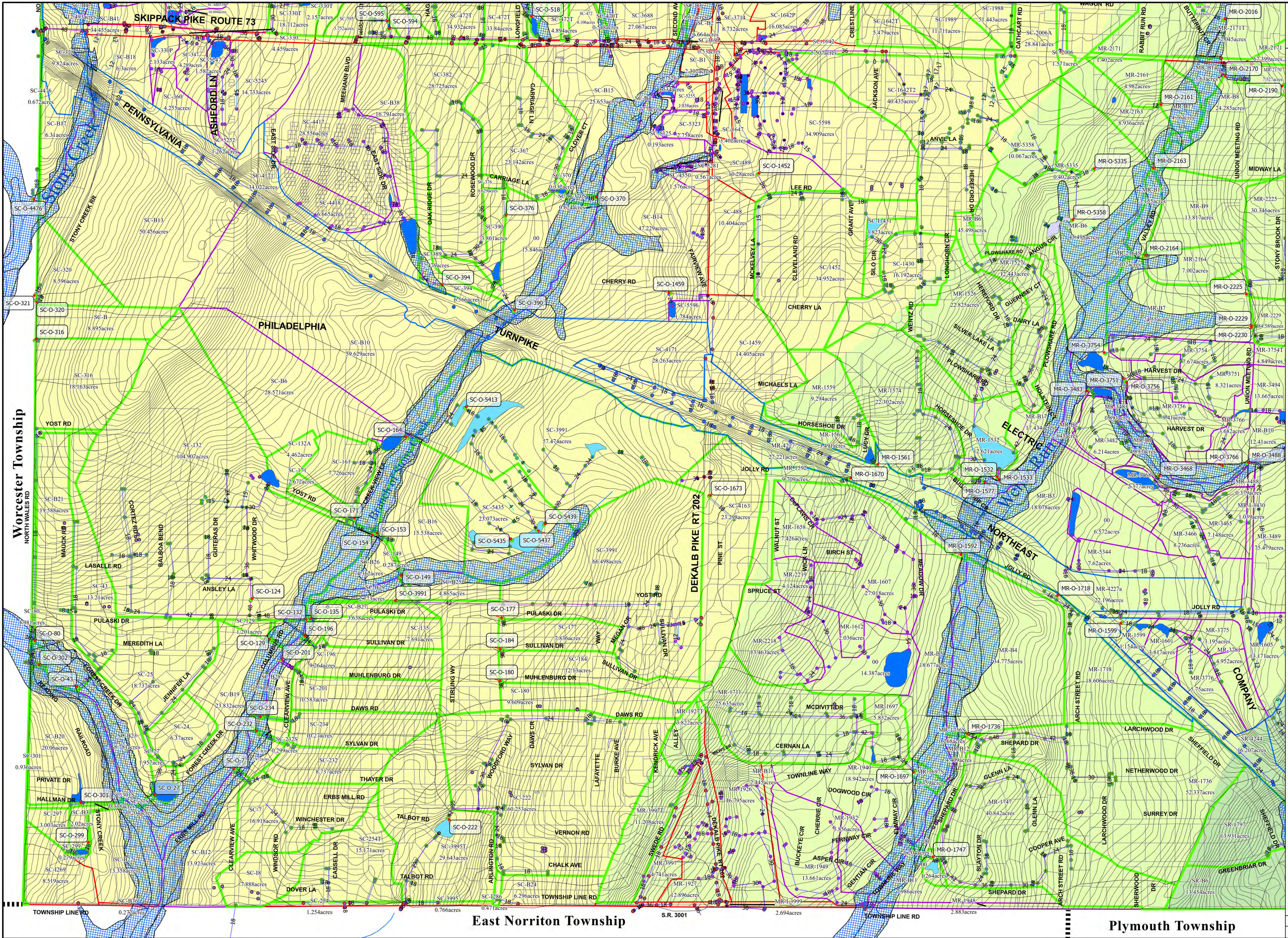
NOTE: The entire Township is considered urbanized.

MS4 Map
Northwest Quadrant



LEGEND

- Outfalls/Township MS4
 - Municipal Boundaries
 - Streams
 - DIAMETER
 - 0 - 5
 - 6 - 10
 - 11 - 15
 - 16 - 19
 - 20 - 24
 - 25 - 30
 - 31 - 42
 - > 42
- storm_pts
- category
- Manhole; manhole
 - other
 - outlet; endwall; headwall
 - outletstructure; inlet; Inlet
 - < all other values>
- storm_pts
- OWNER
- COUNTY
 - PRIVATE
 - STATE
 - TOWNSHIP
 - TURNPIKE
 - RainBarrels
- basins
- OWNER
- PRIVATE
 - Township
 - maps
 - manholes
 - sewers
 - Floodplain
 - Outfall/Watersheds
 - contours
- PRPDrainageSheds041717
- Owner
- COUNTY
 - PRIVATE
 - STATE
 - TOWNSHIP
 - TURNPIKE
 - Montgomery County, Parcels
 - Impervious/vrcp2015
 - Roads
 - Wetlands
- watersheds
- MAIN BASIN,SUB BASIN
- Plymouth Creek
 - Sawmill Run
 - Stony Creek/Mermaid Run
 - Stony Creek
 - Wissahickon Creek/Willow Run
 - Wissahickon Creek/Prophecy Creek
 - Wissahickon Creek



Whitpain Township



960 Wentz Road
Blue Bell, PA 19422

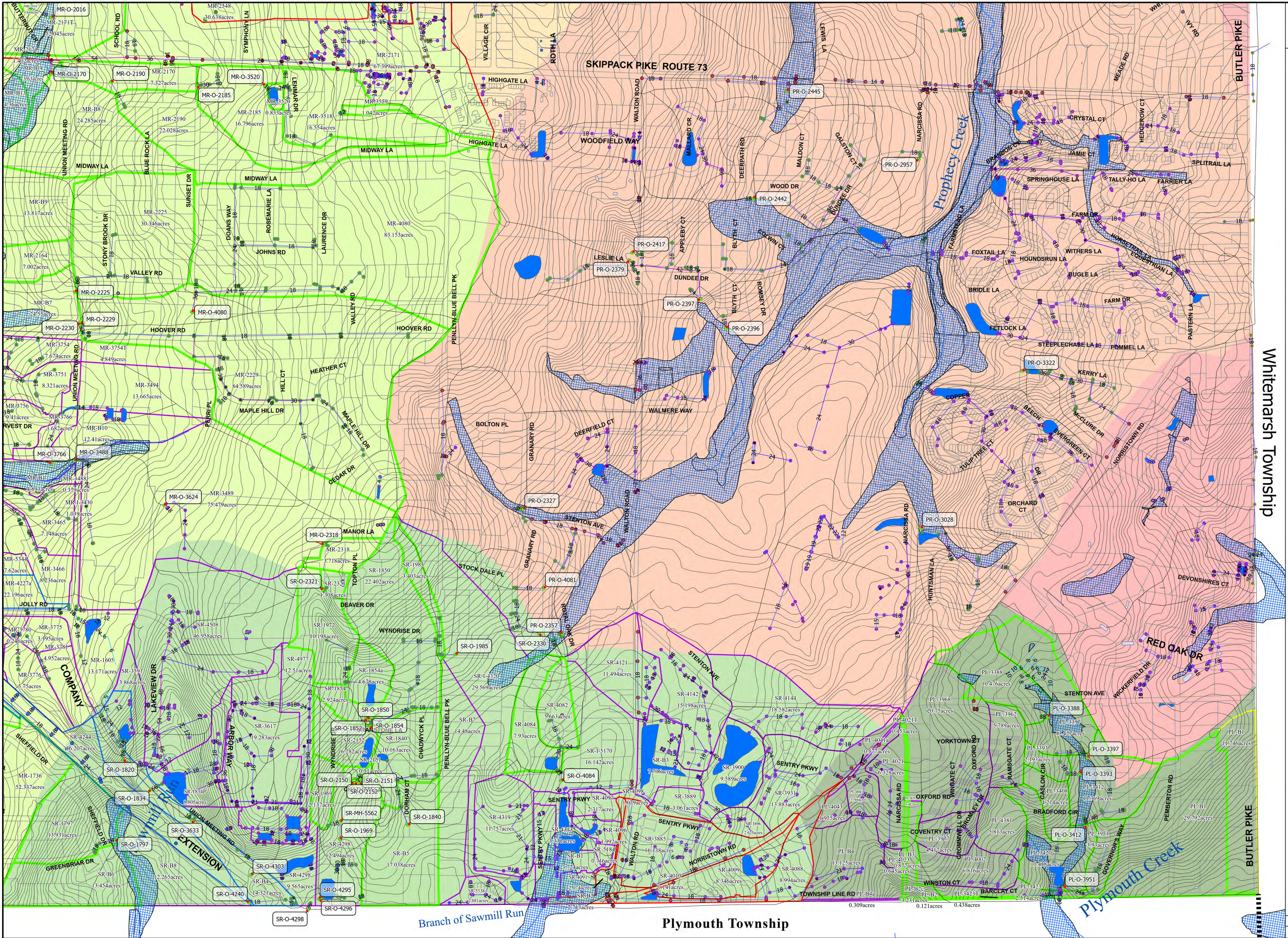
NOTE: The entire Township is considered urbanized.

MS4 Map
Southwest Quadrant



LEGEND

- Outfalls/TownshipMS4
- ▬ MunicipalBoundaries
- ▬ Streams
- ▬ storm_sewers
- DIAMETER
 - 0 - 5
 - 6 - 10
 - 11 - 15
 - 16 - 19
 - 20 - 24
 - 25 - 30
 - 31 - 42
 - > 42
- storm_pts
 - category
 - Manhole; manhole
 - other
 - outlet; endwall; headwall
 - outfallstructure; inlet; inlet
 - call other values
 - storm_pts
- OWNER
 - COUNTY
 - PRIVATE
 - STATE
 - TOWNSHIP
 - TURNPIKE
- basins
 - OWNER
 - PRIVATE
 - Township
 - BMPS
 - manholes
 - sewers
 - Floodplain
 - Outfall/Watersheds
 - contours
- PRPDrainageSheds041717
 - Owner
 - COUNTY
 - PRIVATE
 - STATE
 - TOWNSHIP
 - TURNPIKE
 - Ownership, County, Parcels
 - Impervious/vrvc2015
 - Wetlands
 - Roads
- watersheds
 - MAIN, BASIN, SUB, BASIN
 - Plymouth Creek
 - Sawmill Run
 - Stony Creek/Mermaid Run
 - Stony Creek
 - Wissahickon Creek/Willow Run
 - Wissahickon Creek/Prosperity Creek
 - Wissahickon Creek



Whitpain Township



960 Wentz Road
Blue Bell, PA 19422

NOTE: The entire Township is considered urbanized.

MS4 Map
Southeast Quadrant



LEGEND

- Outfalls/TownshipMS4
- MunicipalBoundaries
- Streams
- storm sewers
- DIAMETER
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 19
- 20 - 24
- 25 - 30
- 31 - 42
- > 42
- storm_pts
- category
- Manhole; manhole
- other
- outlet; endwall; headwall
- outletstructure; inlet; Inlet
- <call other values>
- storm_pts
- OWNER
- COUNTY
- PRIVATE
- STATE
- TOWNSHIP
- TURNPIKE
- Rainbarrels
- basins
- OWNER
- PRIVATE
- Township
- BMPS
- manholes
- sewers
- Floodplain
- Outfall/Watersheds
- contours
- PRPDrainageSheds041717
- Owner
- COUNTY
- PRIVATE
- STATE
- TOWNSHIP
- TURNPIKE
- Montgomery County Parcels
- Impervious/vpc2015
- wetlands
- Roads
- watersheds
- MAIN, BASIN, SUB, BASIN
- Plymouth Creek
- Sawmill Run
- Stony Creek/Mermaid Run
- Stony Creek
- Wissahickon Creek/Willow Run
- Wissahickon Creek/Prophecy Creek
- Wissahickon Creek

APPENDIX I

OUTFALL TESTING SUMMARY SHEETS



MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Whitpain Township		NPDES Permit No.: PAI30046		
Date of Inspection: 6/14/24		Outfall ID No.: WR-0-2447		
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:		Latitude: 40° 09' 22"		
		Longitude: 75° 15' 27"		
		Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		Date of Previous Precipitation: 6/6/24		
		Amount of Previous Precipitation: 1.93 in		
Inspector Name(s): CAROLYN ELLISON		Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
OUTFALL DESCRIPTION				
TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: 36 in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	
Dry Weather Flow Present at Outfall During Inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If No, skip to Certification Section)				
Description of Flow Rate: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Significant <input type="checkbox"/> N/A				
DRY WEATHER FLOW EVALUATION				
Does the dry weather flow contain color? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide a description below.				
Does the dry weather flow contain an odor? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide a description below.				
Is there an observed change in the receiving waters as a result of the discharge? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide a description below.				
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide a description below.				

Were sample(s) collected of the dry weather flow? <input type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, No. Samples: _____)					
FIELD / LABORATORY ANALYSIS					
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: _____			Oil and Grease		mg/L
Other: _____			Other: _____		
Indicate the parameters above that were analyzed by a DEP-certified laboratory:					
ILLICIT DISCHARGES					
Is the dry weather flow an illicit discharge? <input type="checkbox"/> Yes <input type="checkbox"/> No					
If Yes, describe efforts made to determine the source(s) of the illicit discharge.					
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.					
Inspector Comments: <i>erosion in front of discharge point.</i>					
RESPONSIBLE OFFICIAL 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).					
<i>CAROLYN ELLISON</i> Responsible Official Name			<i>Carolyn Ellison</i> Signature		
<i>610-277-2400</i> Telephone No.			<i>6/14/2024</i> Date		







MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Whitpain Township		NPDES Permit No.: PAI30046		
Date of Inspection: 10/06/23		Outfall ID No.: SC-0-222		
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:		Latitude: 46° 09' 27"		
		Longitude: 75° 18' 48"		
		Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		Date of Previous Precipitation: 09/29/23		
		Amount of Previous Precipitation: 0.27 in		
Inspector Name(s):		Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
OUTFALL DESCRIPTION				
TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: 42 in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	
Dry Weather Flow Present at Outfall During Inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If No, skip to Certification Section)				
Description of Flow Rate: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Significant <input type="checkbox"/> N/A				
DRY WEATHER FLOW EVALUATION				
Does the dry weather flow contain color? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide a description below.				
Does the dry weather flow contain an odor? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide a description below.				
Is there an observed change in the receiving waters as a result of the discharge? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide a description below.				
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide a description below.				

Were sample(s) collected of the dry weather flow? ☐ Yes ☐ No (If Yes, No. Samples: _____)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH	7.5	S.U.	COD	250	mg/L
Total Residual Chlorine (TRC)	0.5	mg/L	BOD5		mg/L
Conductivity	250	µmhos/cm	TSS	250	mg/L
Ammonia-Nitrogen	0.5	mg/L	TDS		mg/L
Other: _____			Oil and Grease		mg/L
Other: _____			Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? ☐ Yes ☐ No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

RESPONSIBLE OFFICIAL 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).

CAROLYN ELLIS
Responsible Official Name

Cathy Ellis
Signature

Telephone No.

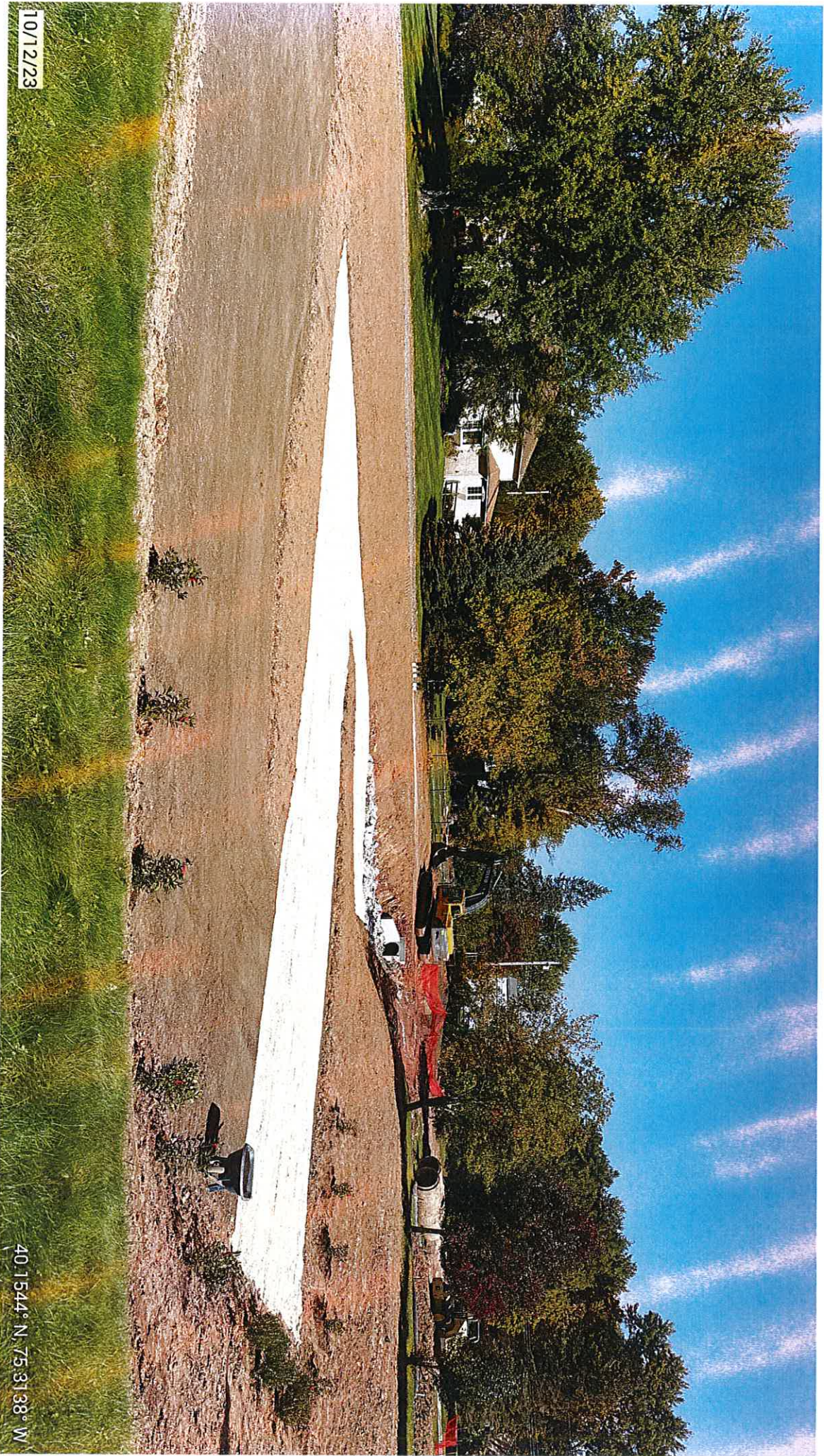
10/12/23
Date



10/06/23

40.1549° N, 75.3136° W

SC-0.222



10/12/23

40.1544° N, 75.3138° W



MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION				
Permittee Name: Whitpain Township		NPDES Permit No.: PAI30046		
Date of Inspection: 11/27/23		Outfall ID No.: MR-0-1747		
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Open Space <input type="checkbox"/> Other:		Latitude: 40° 08' 37"		
		Longitude: 75° 18' 03"		
		Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		Date of Previous Precipitation: 11/11/23		
		Amount of Previous Precipitation: 0.05 in		
Inspector Name(s): CAROLYN ELLISON		Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
OUTFALL DESCRIPTION				
TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input checked="" type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: 18 in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	
Dry Weather Flow Present at Outfall During Inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If No, skip to Certification Section)				
Description of Flow Rate: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Significant <input type="checkbox"/> N/A				
DRY WEATHER FLOW EVALUATION				
Does the dry weather flow contain color? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide a description below.				
Does the dry weather flow contain an odor? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide a description below.				
Is there an observed change in the receiving waters as a result of the discharge? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide a description below.				
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide a description below.				

Were sample(s) collected of the dry weather flow? ☐ Yes ☐ No (If Yes, No. Samples: _____)

FIELD / LABORATORY ANALYSIS

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH	7.4	S.U.	COD	85	mg/L
Total Residual Chlorine (TRC)	0.2	mg/L	BOD5		mg/L
Conductivity	150	µmhos/cm	TSS	150	mg/L
Ammonia-Nitrogen	0.1	mg/L	TDS		mg/L
Other: _____			Oil and Grease	10	mg/L
Other: _____			Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

ILLICIT DISCHARGES

Is the dry weather flow an illicit discharge? ☐ Yes ☐ No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

RESPONSIBLE OFFICIAL 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).

CAEOLYN ELLISON

Responsible Official Name

610-277-2400

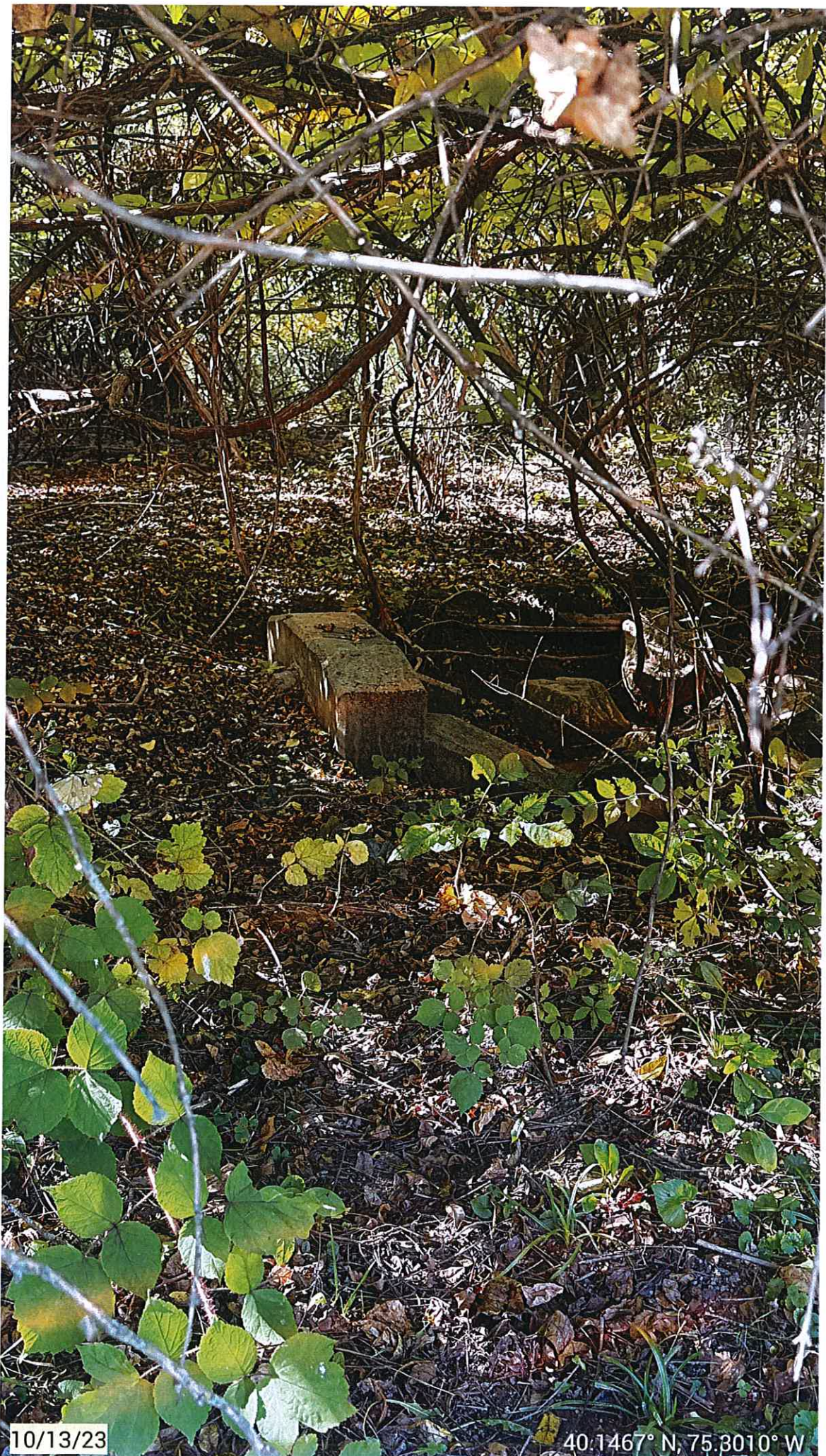
Telephone No.

Carol Ellison

Signature

11/17/23

Date



10/13/23

40.1467° N, 75.3010° W



11/27/23

40.1468° N, 75.3011° W

APPENDIX J

PCSM BMP INVENTORY (TABLE 1)

Basin Inventory

WATERSHED	NAME	OWNER	AREA	TYPE	record	Latitude	Longitude
Mermaid Run	MR-122	PRIVATE	2967.21	detention	122	40.144338	-75.276379
Mermaid Run	MR-125	PRIVATE	8913.37	Detention	125	40.155862	-75.294376
Mermaid Run	MR-132	PRIVATE	2416.26	Underground	132	40.154568	-75.269211
Mermaid Run	MR-133	PRIVATE	2150.41	Underground	133	40.154217	-75.268434
Mermaid Run	MR-135	PRIVATE	8320.67	Detention	135	40.154732	-75.266555
Mermaid Run	MR-153	PRIVATE	6257.42	Detention	153	40.15309	-75.267763
Mermaid Run	MR-164	PRIVATE	1118.31	Underground	164	40.152178	-75.305738
Mermaid Run	MR-171	PRIVATE	25126.47	Detention	171	40.151479	-75.289887
Mermaid Run	MR-173	PRIVATE	4248.95	Detention	173	40.153224	-75.264969
Mermaid Run	MR-175	PRIVATE	1662.62	Detention	175	40.15827	-75.270439
Mermaid Run	MR-186	PRIVATE	3656.10	Detention	186	40.160039	-75.272617
Mermaid Run	MR-194	PRIVATE	20574.65	Detention	194	40.145981	-75.287071
Mermaid Run	MR-213	PRIVATE	<Null>	ABG	213	40.159571	-75.280345
Mermaid Run	MR-49	PRIVATE	5610.59	Detention	49	40.161919	-75.271307
Mermaid Run	MR-54	PRIVATE	4309.83	Detention	54	40.15794	-75.270462
Mermaid Run	MR-58	PRIVATE	12948.73	Detention	58	40.154378	-75.271154
Mermaid Run	MR-59	PRIVATE	27357.59	Detention	59	40.154368	-75.286278
Mermaid Run	MR-61	Township	85456.10	Detention	61	40.154025	-75.290875
Mermaid Run	MR-62	PRIVATE	12624.43	Detention	62	40.15358	-75.286669
Mermaid Run	MR-65	PRIVATE	69939.59	Inundation	65	40.150956	-75.297966
Mermaid Run	MR-67	PRIVATE	3193.77	Detention	67	40.150954	-75.283217
Mermaid Run	MR-68	PRIVATE	34858.25	Detention	68	40.151192	-75.287443
Mermaid Run	MR-70	PRIVATE	3835.52	Detention	70	40.149458	-75.30043
Mermaid Run	MR-71	PRIVATE	978.24	Detention	71	40.149588	-75.307154
Mermaid Run	MR-73	PRIVATE	2366.68	Underground	73	40.148829	-75.307662
Mermaid Run	MR-74	PRIVATE	5843.68	Detention	74	40.148	-75.290361
Mermaid Run	MR-75	PRIVATE	10924.50	Detention	75	40.147588	-75.289803
Mermaid Run	MR-78	Township	9820.313999	Detention	78	40.146179	-75.301029
Plymouth Creek	PC-210	PRIVATE	694.33	Detention	210	40.131056	-75.265695
Plymouth Creek	PL-101	PRIVATE	19875.2988	Detention	101	40.125596	-75.265468
Prophecy Creek	PC-211	PRIVATE	<Null>	<Null>	211	40.142958	-75.264841
Prophecy Creek	PR-111	PRIVATE	16067.04	Detention	111	40.135154	-75.256528
Prophecy Creek	PR-123	PRIVATE	5182.71	Detention	123	40.141475	-75.252397
Prophecy Creek	PR-129	PRIVATE	13536.36	Detention	129	40.141479	-75.265115
Prophecy Creek	PR-130	PRIVATE	385.40	Detention	130	40.153313	-75.250359
Prophecy Creek	PR-136	PRIVATE	19794.32	Detention	136	40.152729	-75.250575
Prophecy Creek	PR-139	PRIVATE	351.98	Detention	139	40.150694	-75.26272
Prophecy Creek	PR-158	PRIVATE	3885.26	Underground	158	40.147457	-75.262429
Prophecy Creek	PR-161	PRIVATE	11990.06	Detention	161	40.141338	-75.269852
Prophecy Creek	PR-179	PRIVATE	760.82	Detention	179	40.153218	-75.253933
Prophecy Creek	PR-181	PRIVATE	17754.59	Detention	181	40.135603	-75.262854
Prophecy Creek	PR-189	PRIVATE	7079.80	Detention	189	40.135557	-75.249785
Prophecy Creek	PR-63	Township	2174.70	Detention	63	40.152825	-75.250414
Prophecy Creek	PR-64	Township	6940.32	Detention	64	40.150703	-75.252715
Prophecy Creek	PR-66	PRIVATE	12714.80	Detention	66	40.149897	-75.238269
Prophecy Creek	PR-69	PRIVATE	22432.75	Detention	69	40.149119	-75.26482
Prophecy Creek	PR-72	PRIVATE	67965.23	Detention	72	40.147271	-75.242197
Prophecy Creek	PR-76	PRIVATE	29859.21	Retention	76	40.14663	-75.260823
Prophecy Creek	PR-77	PRIVATE	42663.33	Detention	77	40.14674	-75.267627
Prophecy Creek	PR-80	PRIVATE	16857.05	Detention	80	40.142264	-75.251036
Prophecy Creek	PR-81	PRIVATE	25087.30	Detention	81	40.142006	-75.257511
Prophecy Creek	PR-82	PRIVATE	24084.80	Detention	82	40.141058	-75.252991
Prophecy Creek	PR-84	PRIVATE	28502.17	Detention	84	40.140198	-75.24931
Prophecy Creek	PR-86	PRIVATE	64243.53	Detention	86	40.140024	-75.25817

Basin Inventory

Prophecy Creek	PR-87	PRIVATE	41390.27	Innundation	87	40.138513	-75.256279
Prophecy Creek	PR-91	Township	2956.45	Underground	91	40.145069	-75.25073
Prophecy Creek	PR-94	PRIVATE	27378.67	Detention	94	40.137448	-75.258583
Prophecy Creek	PR-95	PRIVATE	13142.37	Detention	95	40.136709	-75.255841
Prophecy Creek	PR-97	PRIVATE	13149.76	Detention	97	40.134775	-75.262188
Sawmill Run	SR-112	PRIVATE	22104.16	Detention	112	40.1346	-75.277882
Sawmill Run	SR-113	PRIVATE	30017.42	Detention	113	40.133884	-75.278299
Sawmill Run	SR-114	PRIVATE	90517.26	Detention	114	40.133324	-75.271764
Sawmill Run	SR-115	PRIVATE	98524.18	Detention	115	40.132427	-75.272461
Sawmill Run	SR-117	PRIVATE	13757.45	Detention	117	40.143218	-75.288326
Sawmill Run	SR-119	PRIVATE	23851.92	Detention	119	40.136737	-75.28591
Sawmill Run	SR-127	PRIVATE	20612.22	Retention	127	40.130599	-75.273826
Sawmill Run	SR-128	PRIVATE	9030.24	Detention	128	40.1315	-75.277144
Sawmill Run	SR-154	PRIVATE	9029.52	Underground	154	40.138833	-75.286569
Sawmill Run	SR-155	PRIVATE	9114.78	Underground	155	40.138374	-75.285816
Sawmill Run	SR-156	PRIVATE	15848.57	Underground	156	40.138681	-75.285498
Sawmill Run	SR-157	PRIVATE	33465.10	Detention	157	40.137764	-75.286313
Sawmill Run	SR-159	PRIVATE	7359.64	Detention	159	40.133842	-75.277444
Sawmill Run	SR-160	PRIVATE	1360.15	Underground	160	40.14235	-75.287879
Sawmill Run	SR-83	PRIVATE	48456.93	Retention	83	40.141292	-75.287963
Sawmill Run	SR-85	PRIVATE	16458.82	Detention	85	40.140189	-75.280727
Sawmill Run	SR-89	PRIVATE	21655.94	Detention	89	40.139008	-75.282032
Sawmill Run	SR-90	PRIVATE	5480.86	Detention	90	40.138667	-75.281692
Sawmill Run	SR-96	PRIVATE	13757.95	Detention	96	40.135874	-75.27716
Sawmill Run	SR-98	PRIVATE	89277.40	Retention	98	40.134454	-75.274233
Sawmill Run	SR-99	PRIVATE	8870.03	Detention	99	40.133839	-75.28063
Stony Creek	SC-10	PRIVATE	225069.52	Detention	10	40.181222	-75.29777
Stony Creek	SC-102	PRIVATE	21701.68	Detention	102	40.18565	-75.295217
Stony Creek	SC-103	PRIVATE	9377.73	Detention	103	40.182702	-75.29314
Stony Creek	SC-104	PRIVATE	42449.99	Detention	104	40.175283	-75.283901
Stony Creek	SC-105	PRIVATE	105058.79	Retention	105	40.173719	-75.284318
Stony Creek	SC-106	PRIVATE	4564.87	Underground	106	40.174339	-75.300713
Stony Creek	SC-107	PRIVATE	15213.63	Retention	107	40.171096	-75.286659
Stony Creek	SC-108	PRIVATE	3605.62	detention	108	40.165918	-75.279298
Stony Creek	SC-109	PRIVATE	6184.82	detention	109	40.165743	-75.279828
Stony Creek	SC-11	PRIVATE	17754.00	Detention	11	40.180327	-75.290057
Stony Creek	SC-116	PRIVATE	9662.58	Detention	116	40.164005	-75.280839
Stony Creek	SC-12	PRIVATE	12348.65	Retention	12	40.179998	-75.287743
Stony Creek	SC-120	PRIVATE	1831.66	Detention	120	40.172542	-75.298843
Stony Creek	SC-121	PRIVATE	50607.06	Detention	121	40.174974	-75.278234
Stony Creek	SC-124	PRIVATE	16093.21	Detention	124	40.171143	-75.283519
Stony Creek	SC-126	PRIVATE	64253.66	Detention	126	40.168586	-75.285942
Stony Creek	SC-13	PRIVATE	3721.71	Underground	13	40.179656	-75.27833
Stony Creek	SC-131	PRIVATE	6480.32	Detention	131	40.169047	-75.277593
Stony Creek	SC-137	PRIVATE	37881.81	Detention	137	40.173891	-75.278041
Stony Creek	SC-138	PRIVATE	15523.79	Underground	138	40.177249	-75.274746
Stony Creek	SC-14	PRIVATE	42232.90	Retention	14	40.179621	-75.288603
Stony Creek	SC-143	PRIVATE	5051.21	Detention	143	40.178982	-75.304895
Stony Creek	SC-144	PRIVATE	3271.24	Detention	144	40.177396	-75.306198
Stony Creek	SC-145	PRIVATE	2536.38	Detention	145	40.178406	-75.304491
Stony Creek	SC-146	PRIVATE	2509.64	Detention	146	40.178728	-75.306201
Stony Creek	SC-147	PRIVATE	2601.17	Underground	147	40.170808	-75.284816
Stony Creek	SC-148	PRIVATE	53021.85	Detention	148	40.172121	-75.280276
Stony Creek	SC-149	PRIVATE	11138.85	Detention	149	40.188903	-75.293266
Stony Creek	SC-15	PRIVATE	71843.52	Retention	15	40.179293	-75.275909

Basin Inventory

Stony Creek	SC-150	PRIVATE	30896.51	Detention	150	40.184432	-75.297857
Stony Creek	SC-151	PRIVATE	13790.85	Detention	151	40.183807	-75.298199
Stony Creek	SC-152	PRIVATE	2093.46	Detention	152	40.169388	-75.288407
Stony Creek	SC-16	Township	12667.36	Detention	16	40.160363	-75.301798
Stony Creek	SC-165	PRIVATE	19945.76	Detention	165	40.174709	-75.304099
Stony Creek	SC-166	PRIVATE	6235.46	Detention	166	40.166743	-75.29249
Stony Creek	SC-167	PRIVATE	1507.26	Underground	167	40.1649	-75.293531
Stony Creek	SC-168	PRIVATE	1618.15	Detention	168	40.161131	-75.284185
Stony Creek	SC-169	PRIVATE	4223.30	Detention	169	40.166087	-75.293508
Stony Creek	SC-17	PRIVATE	25207.93	Retention	17	40.179379	-75.295152
Stony Creek	SC-170	PRIVATE	3174.06	Detention	170	40.168828	-75.302371
Stony Creek	SC-172	PRIVATE	1134.10	Detention	172	40.164746	-75.292202
Stony Creek	SC-174	PRIVATE	2609.30	Underground	174	40.177502	-75.276375
Stony Creek	SC-18	PRIVATE	48135.03	Retention	18	40.178655	-75.279473
Stony Creek	SC-182	PRIVATE	23998.49	Detention	182	40.179361	-75.301242
Stony Creek	SC-188	PRIVATE	3767.41	Detention	188	40.166009	-75.277056
Stony Creek	SC-190	PRIVATE	26250.15	Detention	190	40.175417	-75.273474
Stony Creek	SC-191	PRIVATE	25143.47	Detention	191	40.174656	-75.274245
Stony Creek	SC-193	PRIVATE	10444.99	Detention	193	40.161174	-75.323171
Stony Creek	SC-195	PRIVATE	5069.44	Detention	195	40.180745	-75.276957
Stony Creek	SC-196	PRIVATE	5101.66	Detention	196	40.169481	-75.283543
Stony Creek	SC-197	PRIVATE	5253.43	Detention	197	40.169347	-75.284291
Stony Creek	SC-198	PRIVATE	3247.93	Detention	198	40.168438	-75.28448
Stony Creek	SC-199	PRIVATE	6052.29	Detention	199	40.164953	-75.2774
Stony Creek	SC-20	PRIVATE	7472.36	Detention	20	40.178924	-75.299152
Stony Creek	SC-200	STATE	26025.93	Underground	200	40.162839	-75.284495
Stony Creek	SC-201	PRIVATE	6050.70	Bioretention	201	40.149972	-75.281826
Stony Creek	SC-202	PRIVATE	11436.08	Underground	202	40.16508	-75.290392
Stony Creek	SC-203	PRIVATE	714.21	Underground	203	40.163179	-75.294556
Stony Creek	SC-206	PRIVATE	5737.56	Underground	206	40.150227	-75.282164
Stony Creek	SC-207	PRIVATE	4865.33	Underground	207	40.186982	-75.297091
Stony Creek	SC-208	PRIVATE	25378.59	Underground	208	40.165529	-75.290414
Stony Creek	SC-21	PRIVATE	14472.33	Detention	21	40.178534	-75.283568
Stony Creek	SC-212	PRIVATE	<Null>	ABG	212	40.16483	-75.311384
Stony Creek	SC-215	PRIVATE	<Null>	<Null>	214	40.159872	-75.324223
Stony Creek	SC-22	PRIVATE	4185.21	Detention	22	40.178756	-75.300087
Stony Creek	SC-23	PRIVATE	65936.94	Retention	23	40.176741	-75.281953
Stony Creek	SC-24	PRIVATE	8664.56	Detention	24	40.176689	-75.296808
Stony Creek	SC-25	PRIVATE	6661.92	Detention	25	40.176111	-75.271892
Stony Creek	SC-26	PRIVATE	30983.98	Detention	26	40.175971	-75.290449
Stony Creek	SC-27	PRIVATE	16453.37	Detention	27	40.175829	-75.300936
Stony Creek	SC-28	PRIVATE	9533.85	Detention	28	40.175819	-75.305668
Stony Creek	SC-29	PRIVATE	12686.86	Detention	29	40.174623	-75.270373
Stony Creek	SC-30	PRIVATE	192929.69	Detention	30	40.172462	-75.277936
Stony Creek	SC-31	PRIVATE	29937.68	Detention	31	40.172683	-75.290635
Stony Creek	SC-32	PRIVATE	1475.80	Detention	32	40.172829	-75.299021
Stony Creek	SC-33	PRIVATE	19004.44	Detention	33	40.171221	-75.289201
Stony Creek	SC-34	PRIVATE	9489.50	Retention	34	40.170914	-75.277438
Stony Creek	SC-35	PRIVATE	14658.57	Detention	35	40.17038	-75.292322
Stony Creek	SC-36	PRIVATE	8121.89	Detention	36	40.170245	-75.294839
Stony Creek	SC-37	PRIVATE	5742.90	Detention	37	40.169484	-75.285395
Stony Creek	SC-38	PRIVATE	3056.53	Detention	38	40.168459	-75.289195
Stony Creek	SC-39	PRIVATE	2704.24	Detention	39	40.169053	-75.286725
Stony Creek	SC-41	PRIVATE	2204.97	Detention	41	40.167758	-75.274166
Stony Creek	SC-42	PRIVATE	36478.99	Detention	42	40.167785	-75.302527

Basin Inventory

Stony Creek	SC-43	Township	37334.65	Detention	43	40.165976	-75.272769
Stony Creek	SC-44	Township	10383.86	Detention	44	40.166149	-75.274452
Stony Creek	SC-45	PRIVATE	3073.04	Underground	45	40.166419	-75.288775
Stony Creek	SC-46	PRIVATE	5153.11	Detention	46	40.166342	-75.297434
Stony Creek	SC-47	PRIVATE	10561.42	Detention	47	40.165629	-75.300926
Stony Creek	SC-48	PRIVATE	22487.16	Detention	48	40.163695	-75.30728
Stony Creek	SC-5	PRIVATE	8591.77	Underground	5	40.185026	-75.292697
Stony Creek	SC-50	Township	17153.64	Detention	50	40.160676	-75.289558
Stony Creek	SC-51	Township	72433.53	Detention	51	40.162693	-75.304194
Stony Creek	SC-52	Township	17910.24	Detention	52	40.16324	-75.304821
Stony Creek	SC-53	PRIVATE	37629.45	Detention	53	40.159853	-75.320668
Stony Creek	SC-56	PRIVATE	740.26	Underground	56	40.15605	-75.304526
Stony Creek	SC-57	Township	80537.26	Detention	57	40.159698	-75.305945
Stony Creek	SC-6	PRIVATE	82483.08	Detention	6	40.184476	-75.296257
Stony Creek	SC-60	Township	21004.48	Detention	60	40.154657	-75.313741
Stony Creek	SC-79	PRIVATE	12579.82	Detention	79	40.176123	-75.304613
Stony Creek	SC-88	PRIVATE	702.58	Underground	88	40.170989	-75.268767
Stony Creek	SC-9	PRIVATE	29557.41	Detention	9	40.182224	-75.296331
Stony Creek	SC-92	PRIVATE	9235.28	Detention	92	40.162079	-75.296828
Stony Creek	SC-93	PRIVATE	3356.70	Underground	93	40.164708	-75.288421
Willow Run	WR-134	PRIVATE	3063.88	Detention	134	40.159056	-75.251249
Willow Run	WR-140	PRIVATE	581.63	Detention	140	40.151123	-75.262834
Willow Run	WR-141	PRIVATE	253.64	Detention	141	40.151324	-75.262659
Willow Run	WR-142	PRIVATE	818.52	Detention	142	40.151106	-75.262279
Willow Run	WR-184	PRIVATE	849.88	Detention	184	40.161606	-75.257088
Willow Run	WR-55	Township	49617.09	Detention	55	40.155232	-75.258536
Wissahickon Creek	WC-1	PRIVATE	46262.96	Detention	1	40.188579	-75.28621
Wissahickon Creek	WC-100	PRIVATE	6648.14	Underground	100	40.129097	-75.254142
Wissahickon Creek	WC-118	PRIVATE	16184.15	Detention	118	40.19127	-75.291187
Wissahickon Creek	WC-162	PRIVATE	1614.27	Detention	162	40.132911	-75.25451
Wissahickon Creek	WC-163	PRIVATE	829.19	Detention	163	40.131986	-75.254579
Wissahickon Creek	WC-176	PRIVATE	1200.94	Underground	176	40.19214	-75.292937
Wissahickon Creek	WC-177	PRIVATE	1303.04	Retention	177	40.127522	-75.259122
Wissahickon Creek	WC-178	PRIVATE	1180.93	Retention	178	40.127366	-75.258873
Wissahickon Creek	WC-180	PRIVATE	2831.62	Detention	180	40.131521	-75.253134
Wissahickon Creek	WC-183	PRIVATE	6981.64	Detention	183	40.133262	-75.253065
Wissahickon Creek	WC-185	PRIVATE	1248.87	Detention	185	40.158694	-75.248876
Wissahickon Creek	WC-187	PRIVATE	1455.45	Detention	187	40.15925	-75.23216
Wissahickon Creek	WC-19	PRIVATE	98165.68	Retention	19	40.178094	-75.267462
Wissahickon Creek	WC-192	PRIVATE	4734.45	Detention	192	40.169246	-75.267951
Wissahickon Creek	WC-2	PRIVATE	76962.71	Detention	2	40.186719	-75.282531
Wissahickon Creek	WC-204	PRIVATE	946.40	Underground	204	40.171198	-75.256531
Wissahickon Creek	WC-205	PRIVATE	1230.22	Underground	205	40.170799	-75.25692
Wissahickon Creek	WC-209	PRIVATE	910.54	Underground	209	40.158599	-75.23086
Wissahickon Creek	WC-215	PRIVATE	<Null>	<Null>	215	40.190354	-75.289059
Wissahickon Creek	WC-3	PRIVATE	65502.87	Retention	3	40.185375	-75.288826
Wissahickon Creek	WC-4	PRIVATE	165670.2553	Detention	4	40.185215	-75.280173
Wissahickon Creek	WC-40	PRIVATE	54795.79343	Detention	40	40.167384	-75.268662
Wissahickon Creek	WC-7	PRIVATE	28383.84065	Detention	7	40.183419	-75.285478
Wissahickon Creek	WC-8	PRIVATE	11617.88148	Detention	8	40.182608	-75.274263

APPENDIX K

PUBLIC WORKS EMPLOYEE TRAINING CERTIFICATES

PERKIOMEN STORMWATER SYMPOSIUM

MARCH 8TH, 2024 - 9:00 AM - 3:15 PM | URSINUS COLLEGE

CERTIFICATE OF ATTENDANCE



THIS CERTIFICATE IS PRESENTED TO

RON FRICKER, PUBLIC WORKS

Whitpain Township



SAMANTHA REED
OUTREACH COORDINATOR
PERKIOMEN WATERSHED CONSERVANCY

PERKIOMEN STORMWATER SYMPOSIUM

MARCH 8TH, 2024 - 9:00 AM - 3:15 PM | URSINUS COLLEGE

CERTIFICATE OF ATTENDANCE



THIS CERTIFICATE IS PRESENTED TO

MICHAEL MONASTERO, PUBLIC WORKS

Whitpain Township



SAMANTHA REED
OUTREACH COORDINATOR
PERKIOMEN WATERSHED CONSERVANCY

PERKIOMEN STORMWATER SYMPOSIUM

MARCH 8TH, 2024 - 9:00 AM - 3:15 PM | URSINUS COLLEGE

CERTIFICATE OF ATTENDANCE



THIS CERTIFICATE IS PRESENTED TO

MIKE FRYE, PUBLIC WORKS

Whitpain Township



SAMANTHA REED
OUTREACH COORDINATOR
PERKIOMEN WATERSHED CONSERVANCY



MONTCO PUBLIC WORKS ASSOCIATION



Summer 2024 Outdoor Training & Vendor Event

Thursday, June 27, 2024

Montgomery County 4-H Center
1015 Bridge Road, Collegeville, PA 19426

Meeting Sponsors

Lawn and Golf Supply Co., Levan Machine and Truck Equipment, Northeast Sweepers and Rentals, Robert E. Little Inc., & SealMaster PMG

This event will consist of two education/training sessions, vendor product displays and vendor demonstrations showcasing different products and processes relevant to Public Works. All aspects of this event will be held either outdoors or under open-air pavilions. **Only register those who will attend and please do not send anyone not registered.**

Education/Training Sessions

CDL On Site

- On site CDL Training and Certifications for Businesses and Municipalities
- Center for Watershed Protection
- MS4 Training on Illicit Discharge and Detection

Vendor Presentations & Product Viewing/Demonstrations

- Lawn and Golf Supply Co.: Outdoor Power Equipment
- Levan Machine and Truck Equipment: Machine Shop and Commercial Vehicle Upfitting
- Northeast Sweepers and Rentals: New, Used and Rental Street Sweepers
- Robert E. Little, Inc.: Site Work Construction Equipment
- SealMaster PMG: Pavement Products and Equipment

Schedule:

8:00 AM – 8:30 AM	On-Site Registration
8:30 AM – 9:00 AM	Vendor Introductions
9:00 AM – 9:45 AM	First Training Session – <i>CDL On Site</i>
9:45 AM – 11:15 AM	Equipment Viewing/Vendor Presentations & Demonstrations
11:15 AM – 12:00 PM	Second Training Session – <i>Center for Watershed Protection</i>
12:00 PM – 12:15 PM	MCPWA Business Meeting
12:15 PM – 1:00 PM	Lunch

Lunch: Mama's Majik Kitchen

Meeting attendees will be given a food voucher for 2 Hot Dogs, Chips and Beverage

RSVP by Monday, June 24, 2024 to: MontcoPWA@gmail.com or 610.246.4806

Please indicate how many individuals will be attending the event.



MONTGOMERY COUNTY PUBLIC WORKS ASSOCIATION

June 27, 2024 OUTDOOR TRAINING &
VENDOR EVENT
SIGN-IN SHEET

	NAME	ORGANIZATION
1	Lucas Thompson	Lower Salford Township
2	Bill Bony	US MINE
3	Harold Mofr	North Wales Water
4	Tan Hallman	North Wales Water Authority
5	Frank Kramberger	GAE on Site
6	David Dunlop	WPAH MONTGO CANNON CO
7	D. Haggerty	HORSHAM
8	D. Myer	Limerick
9	Tan Farzetta	WHITPAIN
10	Marcos Resente	WHITPAIN TWP
11	Marty Lurich	U. Salford Twp.
12	William Stuart	Limerick Twp
13	Bill Hinkle	Limerick Twp
14	Ryan Krassler	Limerick Twp
15	Tyler Adanski	Limerick Twp
16	Vinay D'Angelo	Limerick Twp
17	Andrew Miner	Limerick Twp
18	Gary Urmy	Best Line Equipment
19		
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MONTGOMERY COUNTY PUBLIC WORKS ASSOCIATION

June 27, 2024 OUTDOOR TRAINING &
VENDOR EVENT
SIGN-IN SHEET

	NAME	ORGANIZATION
1	CHRIS LOSCHIAVO	Plymouth Township
2	Tom Smitheman	Robert E Little inc
3	Frank Perry	Conshohocken Borough
4	Anthony Scott	Conshohocken Borough
5	Mike Maxwell	Conshohocken Borough
6	Mike Nester	Lpt
7	Matt Henderson	nwwa
8	Jim Alexander	LPT
9	Kurt Guttman	CVL on site
10	Gary Hill	Whitemarsh Twp.
11	Justin Neiswender	Whitemarsh Twp.
12	Joe Braun	Whitemarsh Twp
13	Tony Frydlawicz	Franconia Twp
14	Jon Mininger	" "
15	Chris Esposito	" "
16	Brent Lands	" "
17	Chris Macielik	Franconia Twp
18	Cole Leonetti	Whitpain Twp
19	Mike West	Whitpain Twp
20	Chad Martin	Franconia Twp
21	Jayme Benfield	Upper Merion Twp
22	Tyler Craig	Lower Salford Twp
23	Bret Marks	Upper Merion Twp
24	Doug Jones	Lower Salford Twp
25	Phil Landis	Lower Salford Twp



MONTGOMERY COUNTY PUBLIC WORKS ASSOCIATION

June 27, 2024 OUTDOOR TRAINING &
VENDOR EVENT
SIGN-IN SHEET

	NAME	ORGANIZATION
1	Butch Giorgio	Limerick Twp
2	Scott Miller	Limerick Twp
3	John Giromantera	Northeast Sweepers
4	Bob Connell	U.S. Municipal
5	Andrew Korman	Momar
6	Paul Karsky	Groff Tractor Equipment
7	Tim Frank	Hatfield Twp
8	IAN HAMMER	SPRINGFIELD TOWNSHIP
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MONTGOMERY COUNTY PUBLIC WORKS ASSOCIATION

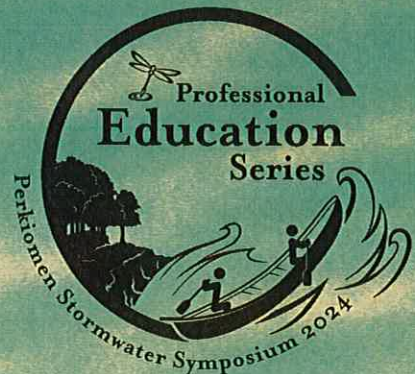
June 27, 2024 OUTDOOR TRAINING &
VENDOR EVENT
SIGN-IN SHEET

	NAME	ORGANIZATION
1	Samuel Maysel	Conestoguen Borough
2	Charles Alderfer	NWCA
3	Rodney Hagenbuch	LP.T.
4	Joe Dwyer	Franklin
5	Karen Lee	Whitman Twp
6	Ed Farnham	
7	Josh Korman	Franklin Twp
8	Eli Vasey	Lower Salford Township
9	Justin Taylor	Lower Salford
10	Bill Brown	Upper Merion
11	DAVE CONRAD
12	Bridley Knecht	Lower Salford Township
13	Jim Bruno	Lancaster Truck Bodies
14	Justin Derstine	North Wales Water Authority
15	Kirvin Hill	Lower Salford Twp
16	Tom Schwank	Marlborough Twp
17	Dustin Elmer	Marlborough Twp
18	Steven Folmer	Marlborough Twp
19	Ann Doremus	Upper Salford Twp
20	Sheldon Smith	Upper Salford Twp
21	John Jeffers	Limerick Township
22	Cody Robbins	Limerick Township
23	Mike Paolucci	Limerick Township
24	Chris Thomsen	Limerick Township
25	Joe Murphy	NWCA



Perkiomen Stormwater Symposium

Ursinus College | March 8, 2024





WELCOME

Thanks for Joining!

Thanks for joining the Perkiomen Watershed Conservancy and our regional partners to dive deeper into the world of stormwater!

The Perkiomen Stormwater Symposium is designed to be a one-stop-shop for all of your MS4 training needs! We have an expert panel of speakers, who will provide guidance and insight into each of the minimum control measures (MCMs). Plus, we'll explore some best management practices (BMPs) and learn about a few great projects designed and installed by your colleagues.

*See what your colleagues are up to...
Check out the Poster Session held in the lobby of Musser Hall and in the Wismer Cafeteria during lunch.*

Symposium Agenda

Welcome

Musser Auditorium | 9 am
Ryan Beltz
Executive Director
Perkiomen Watershed Conservancy

Sessions - 9:15 - 11:45 am

1

Beth Uhler

Center for Watershed Protection
Solving the Puzzle of IDDE
(MCM #3)

Eric Konzelmann

Montgomery County Conservation District
Ch. 102 Construction Site Compliance:
Conservation District & Municipal Roles

2

Ruby Stanmyer

Environmental Protection Agency
EPA PFAS Updates

Jessie Kemper

Perkiomen Watershed Conservancy
The Conservancy's MS4 Program and
20 Years of the Stream Clean-up

Lunch

Wisner Cafeteria | 11:45 am

Sessions - 1:00 - 3:15 pm

3

Vicari & Colella - HRG

Going Beyond MCM Compliance:
Collaboration for Cost-Effective
Stormwater Management

Stoltz & Mahoney

Department of Environmental Protection
Keys to Success for Stream Restoration Projects
as Best Management Practices for MS4

4

Gilchrist & Shaw

Perkiomen Watershed Initiative:
Perkiomen Mapping and Flood
Reduction Study

Beth Myers

Perkiomen Watershed Conservancy
Ecological Restoration at Reiff Park

Closing Remarks

Speaker Bios & Presentation Info.



Welcome

Ryan Beltz

Executive Director

Perkiomen Watershed Conservancy

Ryan began his tenure with the Conservancy in 2016. His goal then, as it remains today, is to provide opportunities for local residents to create meaningful connections with the green spaces around them. Whether in the form of conservation, education or recreation, the hope is that these opportunities inspire the communities of the watershed to invest both in the preservation and restoration of the Perkiomen Creek and its tributaries.

Prior to his tenure with the Conservancy, Ryan worked as a land manager at Hawk Mountain Sanctuary, as an instructor of English at Alvernia University, as a ranger with the US Fish and Wildlife Service in Alaska and as a canoe guide on the Inside Passage. He holds two degrees in English.





Session 1 Speakers

Beth Uhler

Pennsylvania Director
Center for Watershed Protection

About Beth

Over the past 20+ years, her expertise in stormwater management, watershed planning, GIS solutions, wetland science, and NPDES MS4 permit compliance has been a valuable resource for local governments and other stewards of Pennsylvania's waters. She brings sound scientific and regulatory advice to a collaborative and technology driven approach in providing project and program guidance. She regularly provides water resources trainings and presentations and serves as a subject matter expert for stormwater management programs. Providing technical expertise as an intergovernmental liaison between local, state and federal governments, she currently serves as a member of the PA DEP's Water Resources Advisory Committee informing policy and regulation. She has a Bachelor of Science in Geo-environmental Studies from Shippensburg University.

Solving the Puzzle of IDDE

Illicit Discharge Detection and Elimination (IDDE) is not a new MS4 permit requirement, but it can be confusing. This session will provide an overview of this Minimum Control Measure (MCM) and tips and tricks for identifying and eliminating illicit discharges. It will include examples of different illicit discharges, common physical indicators and corresponding sources, field protocol for identifying, tracking, and reporting, enforcement, and dry weather outfall field screening procedures.

Eric Konzelmann

Resource Conservationist III
Montgomery County Conservation District

About Eric

Eric has over 25 years of experience in the construction and civil engineering fields, including site inspections for project plan compliance and engineering plan reviews for permit compliance and issuance purposes. Eric has numerous professional certifications in erosion control, land management and stormwater quality.

Ch. 102 Construction Site Compliance: Conservation District & Municipal Roles

A discussion of Montgomery County Conservation District programs and responsibilities versus the separate, but similar roles and responsibilities of the municipality in regard to construction site compliance.



Session 2 Speakers

Ruby Stanmyer

Drinking Water Section - US EPA Region 3
Environmental Protection Agency

About Ruby

Ruby Stanmyer joined the EPA Mid-Atlantic Region's Water Division in October 2020. Ruby is the lead for PFAS in drinking water and is the co-lead of the Region's PFAS Roundtable, coordinating PFAS work across the divisions. She is also the West Virginia drinking water state program manager. Prior work experience includes environmental education with the National Park Service and the Peace Corps in Paraguay. Ruby has a Master of Environmental Management degree in Water Resources Management from Duke University and a BS in Environmental Science from Dickinson College.

EPA PFAS Updates

This presentation will explore recent and upcoming EPA actions on PFAS. Topics will focus on drinking water and clean water regulations and policy, as well as what federal funding opportunities are available for communities and water systems.

Jessie Kemper

Director of Conservation
Perkiomen Watershed Conservancy

About Jessie

Jessie joined the Perkiomen Watershed Conservancy in 2015. As the Director of Conservation, she is responsible for managing the Stream Clean-up, the Perkiomen Plant-A-Thon, the European Water Chestnut Removal Project and the Municipal Stormwater Program along with other conservation programs and events. Jessie holds a degree in Environmental Studies from Ursinus College and is a certified ISA arborist.

The Conservancy's MS4 Program & 20 Years of the Stream Clean-up

Learn about the Conservancy's annual MS4 membership program designed to help regional partners and municipalities meet the requirements of the MS4 permit. Membership levels and their associated benefits will be discussed along with how to get involved in the Conservancy's upcoming Stream Clean-up.



Session 3 Speakers

Adrienne Vicari

Strategic Management & Capital Solutions
HRG

About Adrienne & Jeff

Adrienne assists municipalities and public authorities with vision, strategy, operational management, and funding strategies. She is one of Pennsylvania's leading experts on stormwater regionalization and was an instrumental part of the team developing the state's first regional stormwater authority with WVSA. She has also assisted with the development of an award-winning regional collaboration in Dauphin County and smaller scale collaborations across the state.

Jeff oversees a regional collaboration between the authority and 32 municipalities for MS4 compliance, infrastructure mapping, operations and maintenance support, public education, and BMP construction. Prior to that, he founded the authority's GIS department and served as both a wastewater operator and CCTV operator. He has more than 24 years of experience in utility operations and management.

Jeff Colella

Stormwater Division Manager
Wyoming Valley Sanitary Authority

Going Beyond MCM Compliance: Collaboration for Cost-Effective Stormwater Management Solutions

The presentation will highlight different approaches to regional stormwater management within the Commonwealth. Through the use of case studies, attendees will learn various approaches which can be used to achieve benefits, such as MS4 compliance, cost savings and flood reduction. Tips for regional collaboration will be shared along with practical first steps.

Gwen Stoltz

Environmental Compliance Specialist
Department of Environmental Protection

About Gwen & Beth

Gwen has an M.S. in Biochemistry and a B.S. in Molecular and Cellular Biology. Mrs. Stoltz recently joined SERO DEP as an Environmental Protection Compliance Specialist for the MS4 program, bringing experience as an Emergency Planning and Community Right-to-Know Act (EPCRA) inspector for EPA region 3, science writer and research biochemist.

Beth is an Environmental Group Manager in the Clean Water Program at DEP's Southeast Regional Office. Beth has over 30 years of experience with DEP and has worked extensively with municipalities in the region through her involvement in both the Act 537 Sewage Facilities Planning program and the MS4 program.

Beth Mahoney

Environmental Group Manager - Clean Water
Department of Environmental Protection

Keys to Success for Stream Restoration Projects as Best Management Practices for MS4

This presentation is a primer on how to assure that your MS4 stream restoration best management practice (BMP) will be eligible for pollutant reduction credit.



Session 4 Speakers

Crystal Gilchrist

Perkiomen Watershed Initiative
Representative Joe Webster's Office

About Crystal & Drew

Crystal Gilchrist, AICP, Retired - 35 years experience as a planner in SEPA including transportation and environmental issues. Work experience includes working for county planning commissions, private engineering firms, and the Perkiomen Watershed Conservancy.

Drew has been a planning commission staff member since 1985, his work focuses on stormwater management, climate change, hazard mitigation, and water quality. Drew received his Master of Regional Planning degree from Penn State University, and before that earned a B.S. in Environmental Studies/Geology from Binghamton University.

Drew Shaw

Environmental Planning Section Manager
Montgomery County Planning Commission

Perkiomen Watershed Initiative: Perkiomen Mapping and Flood Reduction Study

This project will bring together four southeastern Pennsylvanian counties -- Montgomery, Berks, Bucks, and Lehigh -- to undertake a comprehensive analysis of flooding and consider mitigations that would reduce flooding and its costly impacts to communities throughout the Perkiomen Watershed.

Beth Myers

Director of Ecology
Perkiomen Watershed Conservancy

About Beth

Beth joined the Conservancy's Conservation Department full-time in 2017. At the Conservancy she manages the Native Plant Project & Sale, Dragonfly Farm, the Perkiomen Watershed Conservation Corps, the Volunteer Training Sessions, and assists with Conservancy conservation projects and events. Beth holds a degree in Environmental Studies from Ursinus College and is a certified ISA arborist.

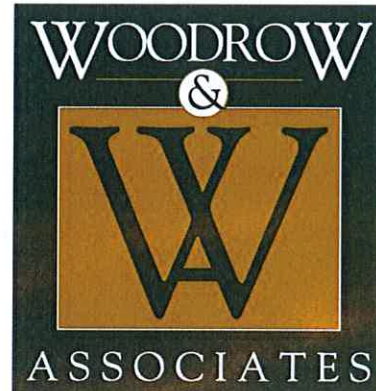
Ecological Restoration at Reiff Park

This presentation will cover the large streambank restoration and floodplain reconnection project that was completed at Jacob Reiff Park by Perkiomen Watershed Conservancy in partnership with Lower Salford Township. Future projects taking place at Reiff Park will also be discussed.

Thanks Sponsors!



PREMIER



POSTER



GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

COFFEE



LUNCH



Symposium Agenda & Resource Guide
P: iheartbmps

APPENDIX L

PCM SUMMARY – PATHOGENS & PCB'S

WHITPAIN TOWNSHIP PCM SUMMARY – PATHOGENS & PCBs:

PCB's:

An evaluation of the Whitpain Township facilities within the regulated MS4 area was completed to determine the likelihood of PCB contamination that could affect stormwater runoff. Based on this evaluation, the Township has determined that no particular Township site or operation is considered a significant source of PCBs.

Pathogens:

An evaluation of the Whitpain Township facilities within the regulated MS4 area was completed to determine any areas with the highest likelihood of pathogen pollution that may contaminate stormwater runoff. Based on the evaluation, the only likely contamination would come from waste from wildlife. Essentially this would occur in large open areas such as privately owned golf courses, parks, wooded areas and open spaces.

APPENDIX M

PULASKI DRIVE BRIDGE PROJECT – STORMWATER VORTEX DEVICE

INSPECTION CHECKLIST

Inspection Checklist and Maintenance Guidance: Nutrient Separating Baffle Box.
To be completed at Time of Inspection or Maintenance.

OWNER NAME WHITPAIN TOWNSHIP (CAROLYN ELLISON, BOB FRICKER) INSPECTION TEAM

LOCATION PULASKI BRIDGE (TWP PARCEL 1550 COLUMBUS RD)

ADDRESS

PHONE

DATE & TIME 04/17/24 9:55

SITE CONDITIONS SUNNY 68°F

INSPECTION ITEMS	RECOMMENDED INTERVAL	COMMENTS
Access Openings	Semi-annually	• TRASH ACCUMULATION IN SCREEN BASKET. • LEAVES BUILT UP AGAINST SCREEN TO BE CLEANED OUT. • ANY SEDIMENT BUILT UP AGAINST WEIR SHOULD BE REMOVED. • OUTLET TO BE CHECKED FOR BUILD UP OF BRANCHES AND LEAVES
Screen System	Semi-annually	
Skimmer	Semi-annually	
Sediment Chambers	Semi-annually	
Vault Condition	Semi-annually	

1. Inspection items are to determine accessibility into Nutrient Separating Baffle Box.
2. Inspect screen system for debris volume and broken parts. ✓
3. Inspect sediment chambers for estimated quantity.
4. Inspect general condition of vault for any clogged areas.

MAINTENANCE ITEMS	VOLUME COLLECTED	DATE	COMMENTS
Screen System			
Sediment Chambers			

1. Inspection items are to determine accessibility into Nutrient Separating Baffle Box.
2. After cleaning screen system, open bottom doors and vacuum out sediment chambers. (Estimate Volume Collected)

SCREEN MAINTENANCE

Screen Maintenance Procedure

The Nutrient Separating Baffle Box Screen Basket is recommended to be inspected every 6 months and cleaned every 12 months.

1. Remove all manhole covers (or open hatches or grates) to gain access to the screening basket.
2. Remove all trash, litter, debris, organics and sediments captured by the screened basket either manually or with the use of a vacuum truck. The vacuum hose will not damage the screen.
3. Remove vacuum hose and replace manhole covers or hatch doors.
4. Transport all debris, trash, litter, organics and sediments to an approved disposal facility in accordance with local and state requirements.

Note

The screen basket must be cleaned before vacuuming each sediment separation chamber.

The bottom of the screen basket is designed with three hinged panels that are lifted vertically to access each separation chamber.



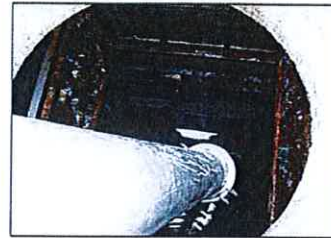
Nutrient Separating Baffle Box with trash / debris collected inside the screening system basket.

CHAMBER MAINTENANCE

Separation Chamber Maintenance Procedure

The Nutrient Separating Baffle Box Hydrodynamic Separation Chambers are recommended to be inspected every six (6) months and cleaned every twelve (12) months.

1. Remove all manhole covers (or open hatches or grates) to gain access to the separation chambers.
2. Lower vacuum truck hose into the first separation chamber through the screening basket closest to the inflow pipe. Pressure washing may be needed to remove compacted sediments.
3. Repeat this process in each separation chamber.
4. Remove vacuum hose and lower hinged panels of screening basket back to a horizontal position.



Open lower screen panels to remove sediments via vacuum truck.

POST SERVICING PROTOCOL

After completing inspection or maintenance, the service operator should prepare a record of service. The record should include maintenance activities performed, amount and description of debris collected and system condition.

- | The owner will retain the service / inspection record for a minimum of five (5) years from the date of maintenance, or in accordance to specified EPA / DEP requirements.
- | All records should be made available to the governing municipalities for inspection upon request at any time.
- | Transport all debris, trash, litter, organics and sediments to an approved facility for disposal in accordance with local and state requirements.



Nutrient Separating Baffle Box with collected trash, organics and debris inside the screened basket system ready for disposal.

WARRANTY

Warranty Information

Oldcastle Infrastructure products are engineered and manufactured with the intent of being a permanent part of the infrastructure. Oldcastle Infrastructure warrants its products to be free from manufacturing defects for a period of 5 years from the purchase date. In the event a warranty claim is made and determined to be valid, Oldcastle Infrastructure will replace or repair the product at their own discretion. Warranty claims must be submitted, evaluated and approved by Oldcastle Infrastructure for the claim to be determined valid. All warranty work must be authorized by Oldcastle Infrastructure prior to work beginning not covered by this warranty. There are no warranties expressed or implied other than what is specified herein. Abusive treatment, neglect or improper use of the Nutrient Separating Baffle Box will not be covered by this warranty.

CONTACT INFORMATION

General Inquires

For additional information concerning installation, general usage, maintenance products, warranties or replacement parts please contact:

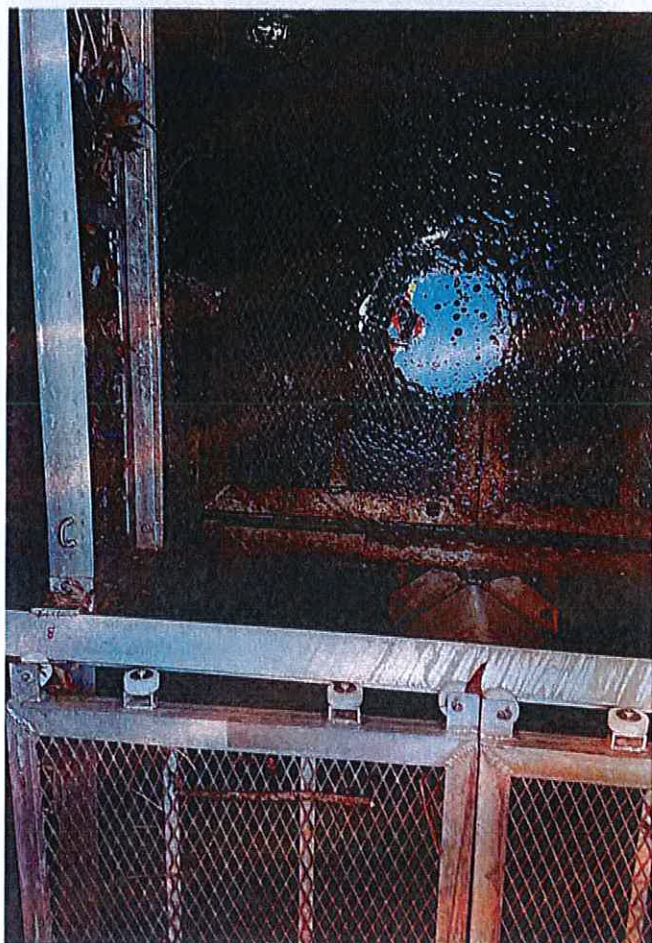
Oldcastle Infrastructure

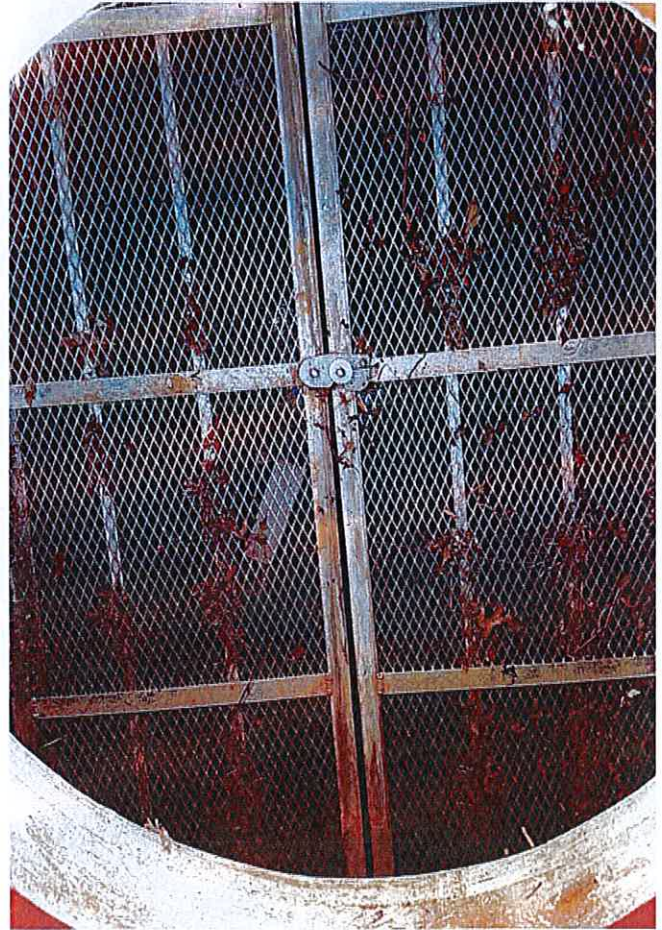
7000 Central Parkway

Suite 800

Atlanta, GA 30328

Phone: (888) 965-3227









9/12/2022

















Proposed Project Description

As part of Whitpain Township's Pollutant Reduction Plan (July 10, 2017) for the Municipal Separate Stormwater System (MS4), the Township is required by the EPA and PADEP to reduce total suspended sediment (TSS) pollution and siltation from stormwater discharges into the Stony Creek drainage area by 10%, total phosphorus (TP) by 5% and total nitrogen (TN) by 3%. The proposed construction activities under this project are designed to protect and maintain the water quality of the waters of the Commonwealth and help reduce the TSS from this existing stormwater discharge (refer to the project Site Plan – Attachment C). The proposed work includes providing a water quality in-line drainage structure prior to discharge to the waterway. Analysis of this portion of the Stony Creek Watershed was performed in accordance with the Whitpain Township Chapter 125 Stormwater Management Ordinance.

The proposed construction does not include any new stream relocation, stream enclosures, or stream realignments. Presently, stormwater is discharged to the tributary on the south side at the culvert of Pulaski Drive. The existing 42-inch Reinforced Concrete Pipe (RCP) discharges to the existing tributary and the flow travels South.

Watershed Evaluation

This portion of the Stony Creek Watershed collects roughly 95+ acres of residential watershed before discharging to the Tributary of the Creek. The watershed was delineated utilizing the existing Whitpain Township GIS Stormwater Map of the Overall Township, revised 4/2/2020 and USGS Map data, (refer to Attachment D) for the watershed location map. The existing watershed was analyzed using AutoDesk's Hydraflow™, utilizing a standard step methodology for hydraulic design (refer to Attachment E). The SCS method was used for determining the peak flows. This method was utilized because the watershed was more than 50 acres of residential land. Rainfall data was collected from NOAA ATLAS 14-point precipitation frequency estimates in Pennsylvania for this location.

The data, including peak discharges for the 2-, 5-, 10-, 25-, 50- and 100-yr return periods storms were analyzed based off the existing watershed and the existing pipe system. Refer to Table 2 – Storm Flows for flow information.

Table 2 – Storm Flows

Return Period (% annual probability)		Flow (ft ³ /sec)
2 year	(50%)	39.52
5 year	(20%)	58.41
10 year	(10%)	74.77
25 year	(4%)	99.10
50 year	(2%)	119.97
100 year	(1%)	142.55

Conveyance System Evaluation

The conveyance system collects roughly 95+ acres of residential watershed before discharging from the existing 42" diameter concrete pipe to a tributary to Stony Creek. A water quality device at the end of this conveyance system was designed to limit debris and pollutants from entering the stream. As previously stated, the 42-inch diameter pipe at the terminus of the conveyance system was reviewed. It was determined that the existing flows through the system do not exceed the current capacity of the existing conveyance system. Since flow is not being altered within system, there is no need to change the pipe diameter.

Water Quality Device

The proposed structure is an in-line nutrient separating baffle box (NSBB), which will allow flow into the structure, provide cleaning and solid separation, and discharge at the same invert-in elevation. The stream channel section at the proposed outfall will be regraded to provide a stable discharge point.

The proposed structure (NSBB-1020) has a peak rate capacity of 202 cfs (For additional Information refer to Attachment F). As we are increasing the slopes of the discharge pipe system, and the proposed in-line structure has a capacity to accept the 100-yr storm, Dawood does not foresee the need for further tailwater analysis. The current 100-yr flows are not hindered by the existing conveyance system and will pass through the system with no surcharging or overtopping evident. The introduction of additional slope and head pressure at the discharge and the in-line water quality structure will not hinder or impede the current flows.

As stated above, the Township is required to reduce upwards of 10% of TSS, 5% of TP and 3% of TN collected by the Stony Creek Watershed that they have responsibility over. Per the calculations provided, the NSBB device reduces TSS by 80%, TP by 20%, and TN by 20% within the studied 95+ acre watershed. The above reductions within the studied 95+ acre watershed result in overall reductions in the Township Stony Creek Watershed of 6.47% TSS, 1.66% TP and 1.71% TN. These reductions equate to 65%, 33% and 57% of the overall goal Township Stony Creek Watershed reductions of TSS, TP and TN, respectively.

(For additional information refer to the Pulaski Bridge Project - Proposed Stormwater Water Quality Device Total Suspended Solids (TSS) Loading Calculations, Total Phosphorus (TN) Loading Calculations, and Total Nitrogen (TN) Loading Calculations – Attachment G)

Dawood also prepared rip rap calculations for the discharge point as to size the riprap apron. The calculations are below.

Rip-Rap analysis at the discharge point:

From the Riprap Apron Design Procedure from HEC-14, chapter 10.2, the following equation was used:

$$D_{50} = 0.2D \left(\frac{Q}{\sqrt{g}D^{2.5}} \right)^{\frac{4}{3}} \left(\frac{D}{TW} \right)$$

Where:

D_{50}	=Median Size of Riprap rock (ft)	
D	=Culvert Diameter (ft)	= 3.5
Q	=Design flow (ft ³ /s)	= 138
TW	=Tailwater Depth	= 1

Therefore, using the data from Exhibit 5, Table 3 on Page 11,

$$D_{50} = 0.2(3.5) \left(\frac{138}{32.2^{.5}(3.5)^{2.5}} \right)^{\frac{4}{3}} \left(\frac{3.5}{1} \right)$$

$D_{50} = 2.65$ ft or 31.8 inches. Use R-7 minimum ($D_{50} = 18$ -30")

The Apron Length shall be from bank to bank in the confined channel.

Therefore:

Length = $7 \times 3.5 = 24.5'$

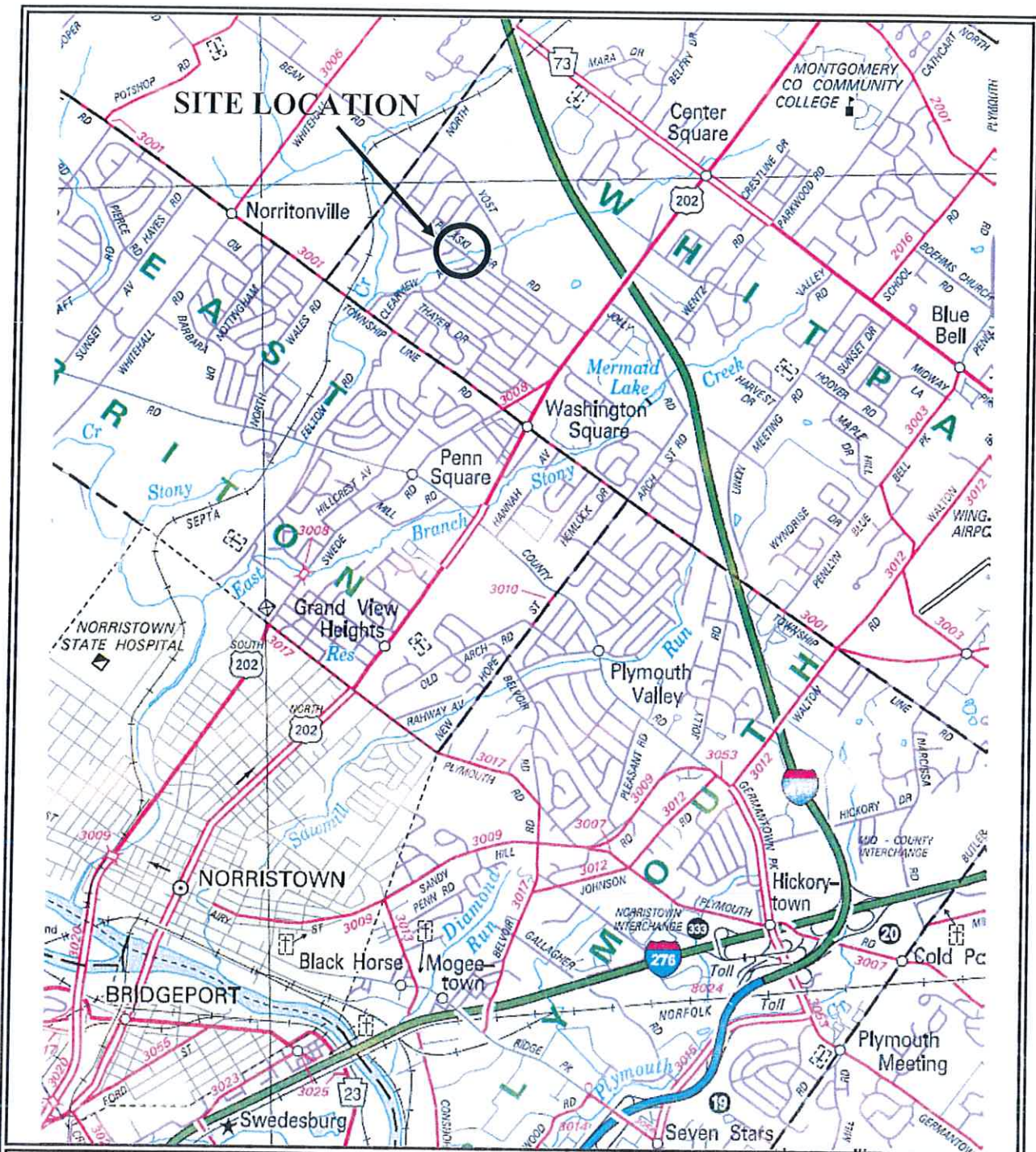
Width = Bank to Bank

Depth = $2.0 \times D_{50} = 2.0 \times (18$ -30) inches = minimum 36 inches depth

Summary

Based upon the analysis of the existing pipe and existing watershed, the existing pipe size is sufficient to convey the flows from the existing drainage area for the storms listed above. The water quality structure can satisfactorily treat the 2-yr storm, as well as accept the 100-yr storm without issue. The discharge location will be modified to protect the existing stream bank and limit impact to the existing streambed. These improvements and the proposed NSBB structure the project will assist in the reduction of TSS by approximately 6.47%, TP by 1.66% and TN by 1.71% of their respective 10%, 5% and 3% goals, preventing the further physical degradation of the receiving waters and improving the water quality of the Stony Creek Watershed.

While this structure will greatly assist the Township in meeting the water quality goals set by PADEP, additional BMP methods within the watershed will be needed to meet the required reduction of 10% TSS, 5% TP and 3% TN by the permit term ending March 15, 2023 as stated in the Whitpain Pollution Reduction Plan.



SOURCE: PennDOT TYPE 10 MAPS – Montgomery Co. PA

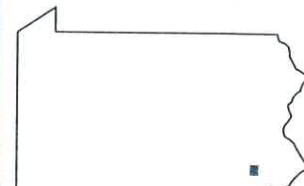
DAWOOD
ENGINEERING, INC

SCALE NTS

SITE LOCATION MAP

T-429 Pulaski Bridge Project
Tributary to Stony Creek
Whitpain Township
Montgomery Co, PA

PENNSYLVANIA



QUADRANGLE LOCATION

Pulaski Bridge Stormwater Improvements



Approx. 95+ Acre Watershed to Pulaski Bridge Project
(Not To Scale)

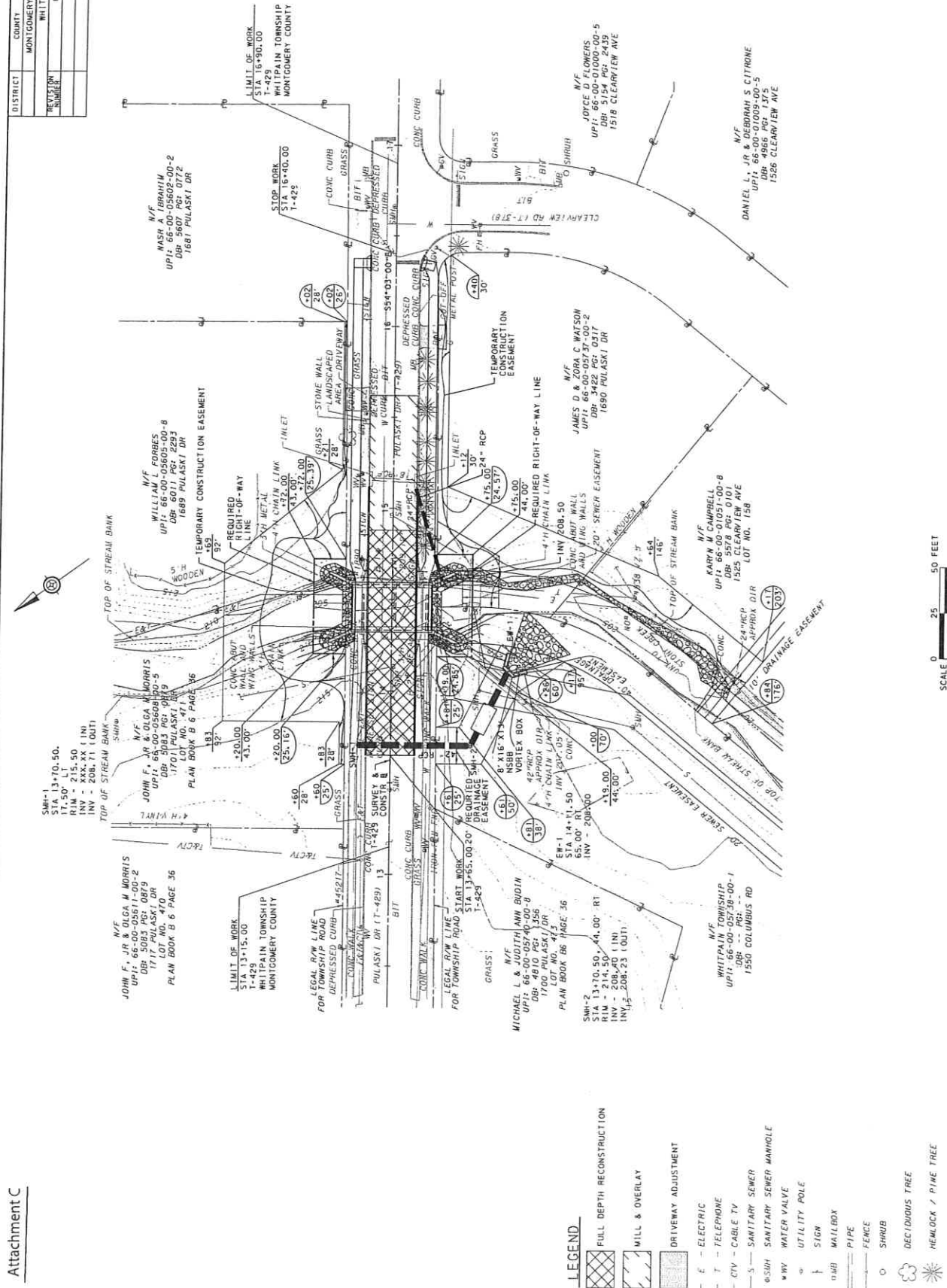
ENCLOSED

- Hydrograph Return period Recap
- Storm Pipe evaluation - 25-year storm
- Storm Pipe evaluation - 100-year storm

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
	MONTGOMERY	1-429		4 OF 6
<div> <div>REVISION NUMBER</div> <div>WHITPAIN TOWNSHIP</div> <div>REVISIONS</div> <div>DATE</div> <div>BY</div> </div>				

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
	MONTGOMERY	1-429		4 OF 6
<div> <div>REVISION NUMBER</div> <div>WHITPAIN TOWNSHIP</div> <div>REVISIONS</div> <div>DATE</div> <div>BY</div> </div>				

A horizontal scale bar with the word "SCALE" written vertically below it. The bar has three segments: a black segment from 0 to 25, a white segment from 25 to 40, and a black segment from 40 to 50. The numbers 0, 25, and 50 are placed below the bar, and the word "FEET" is at the far right end.



Hydrograph Return Period Recap

Hydraflow Hydrographs Extension for AutoCAD® Civil 3D® 2018 by Autodesk, Inc. v2018.3

Hyd. No.	Hydrograph type (origin)	Inflow hyd(s)	Peak Outflow (cfs)								Hydrograph Description
			1-yr	2-yr	3-yr	5-yr	10-yr	25-yr	50-yr	100-yr	
1	SCS Runoff	----	27.77	39.52	----	58.41	74.77	99.10	119.97	142.55	42 in Storm Pipe -SCS

Hydraflow Rainfall Report

Hydraflow Hydrographs Extension for AutoCAD® Civil 3D® 2018 by Autodesk, Inc. v2018.3

Friday, 05 / 7 / 2021

Return Period (Yrs)	Intensity-Duration-Frequency Equation Coefficients (FHA)			
	B	D	E	(N/A)
1	53.8036	12.8000	0.8929	-----
2	58.5473	12.4000	0.8685	-----
3	0.0000	0.0000	0.0000	-----
5	65.0704	12.9000	0.8417	-----
10	61.7791	12.3000	0.7990	-----
25	54.4752	11.0000	0.7384	-----
50	50.7733	10.3000	0.7006	-----
100	46.2124	9.3000	0.6598	-----

File name: Whitpain.IDF

$$\text{Intensity} = B / (T_c + D)^E$$

Return Period (Yrs)	Intensity Values (in/hr)											
	5 min	10	15	20	25	30	35	40	45	50	55	60
1	4.11	3.30	2.76	2.38	2.10	1.88	1.70	1.56	1.44	1.34	1.25	1.17
2	4.90	3.93	3.30	2.85	2.52	2.26	2.05	1.88	1.74	1.62	1.51	1.42
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	5.74	4.66	3.95	3.44	3.05	2.75	2.51	2.31	2.14	1.99	1.87	1.76
10	6.33	5.17	4.40	3.85	3.43	3.10	2.84	2.62	2.43	2.28	2.14	2.02
25	7.03	5.75	4.91	4.31	3.86	3.51	3.22	2.99	2.79	2.62	2.47	2.34
50	7.51	6.16	5.28	4.65	4.18	3.81	3.51	3.26	3.05	2.87	2.72	2.58
100	7.99	6.55	5.63	4.98	4.49	4.10	3.79	3.53	3.31	3.13	2.96	2.82

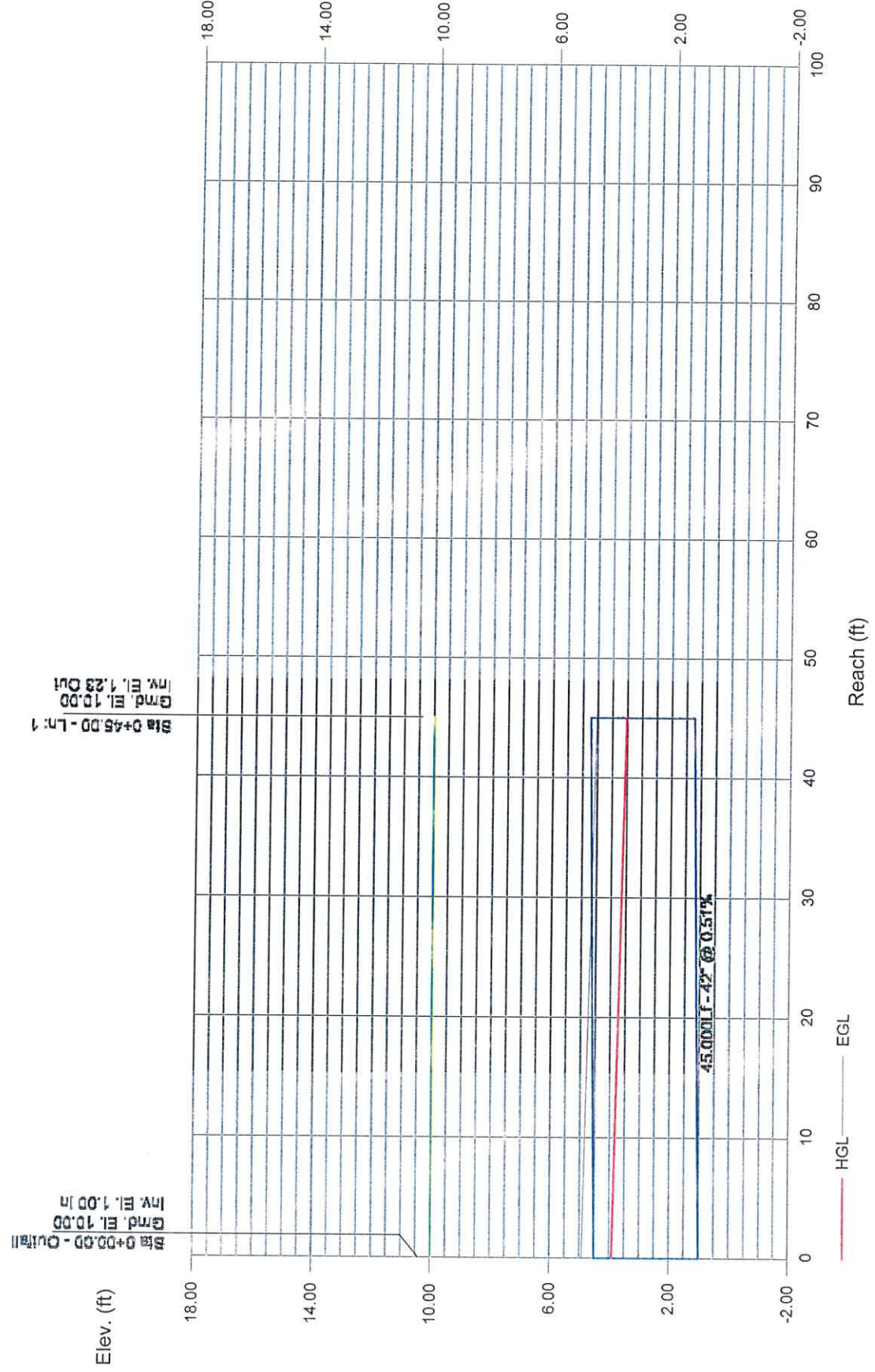
Tc = time in minutes. Values may exceed 60.

Precip. file name: O:\2020Jobs\2000165-00\MU\Miscellaneous\storm\Whitpain PCP data.pcp

Storm Distribution	Rainfall Precipitation Table (in)							
	1-yr	2-yr	3-yr	5-yr	10-yr	25-yr	50-yr	100-yr
SCS 24-hour	2.70	3.25	0.00	4.08	4.77	5.77	6.61	7.51
SCS 6-Hr	1.91	2.31	0.00	2.87	3.33	3.98	4.49	5.04
Huff-1st	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Huff-2nd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Huff-3rd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Huff-4th	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Huff-Indy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Custom	2.70	3.25	0.00	4.08	4.77	5.77	6.61	7.51

Storm Sewer Tabulation - 25-Year

Station		Len (ft)	Drng Area		Rnoff coeff (C)	Area x C		Tc		Rain (l) (in/hr)	Total flow (cfs)	Cap full (cfs)	Vel (ft/s)	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line		Incr (ac)	Total (ac)		Incr	Total	Inlet (min)	Syst (min)					Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	45.000	95.14	95.14	0.48	45.19	45.19	152.0	152.0	1.2	53.76	71.93	7.17	42	0.51	1.00	1.23	3.91	3.52	10.00	10.00	
Pulaski Hwy																						
Number of lines: 1																Run Date: 5/6/2021						
NOTES: Intensity = 54.91 / (Inlet time + 11.20) ^ 0.75; Return period = Yrs. 25 ; c = cir e = ellip b = box																						

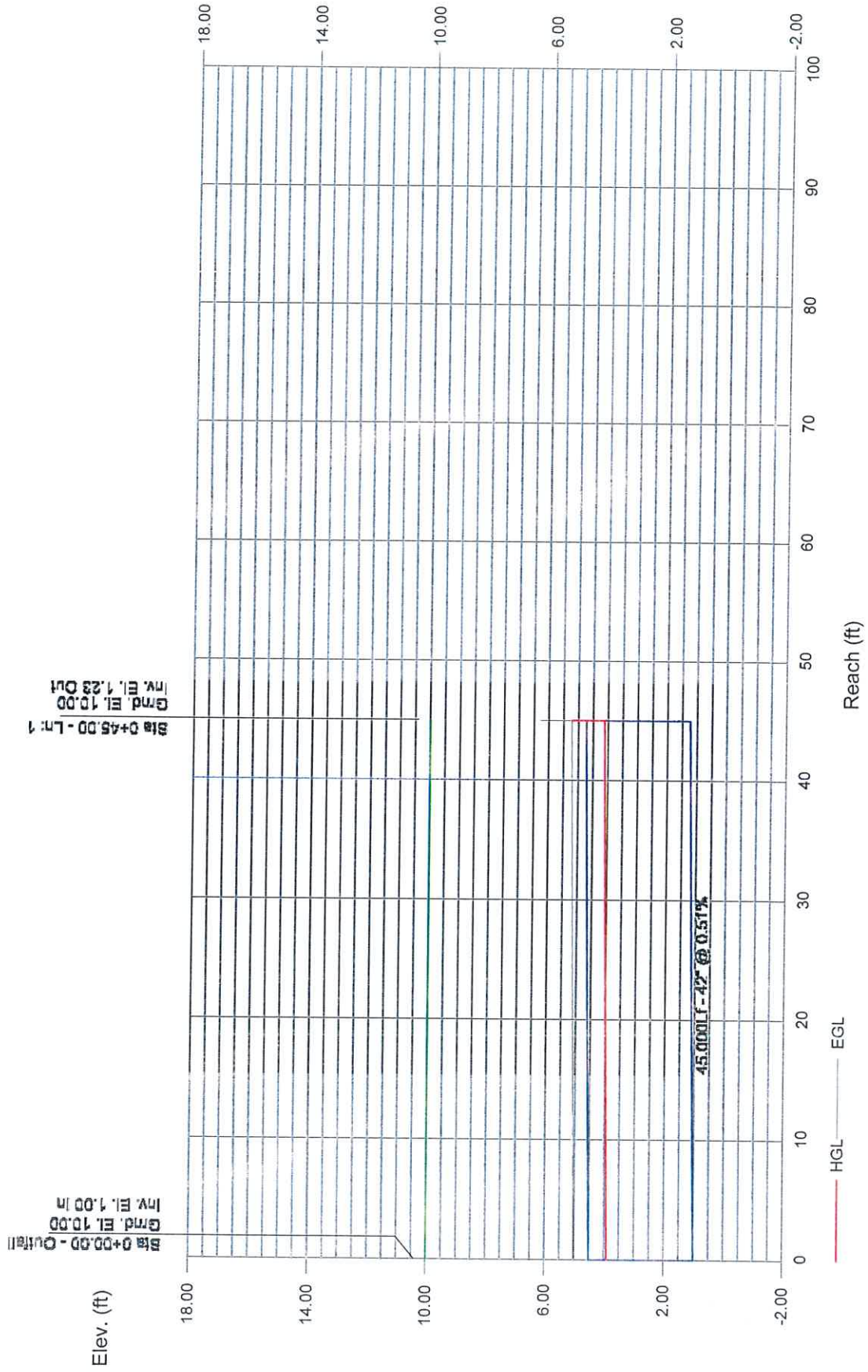


Storm Sewer Tabulation - 100-Year

Station		Len (ft)	Drng Area		Rnoff coeff (C)	Area x C		Tc		Rain (l) (in/hr)	Total flow (cfs)	Cap full (cfs)	Vel (ft/s)	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID	
Line	To Line		Incr (ac)	Total (ac)		Incr	Total	Inlet (min)	Syst (min)					Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)		
1	End	45.000	95.14	95.14	0.48	45.19	45.19	152.0	152.0	1.6	71.36	71.93	8.38	42	0.51	1.00	1.23	3.91	4.12	10.00	10.00		
Pulaski Hwy																						Number of lines: 1	Run Date: 5/6/2021
NOTES: Intensity = 42.11 / (Inlet time + 8.40) ^ 0.65; Return period = Yrs. 100 ; c = cir e = ellip b = box																							

Station 0+00 to 100+00 - 100-Year

Proj. file: pipe_w - 25yr.stm



NSBB[®]

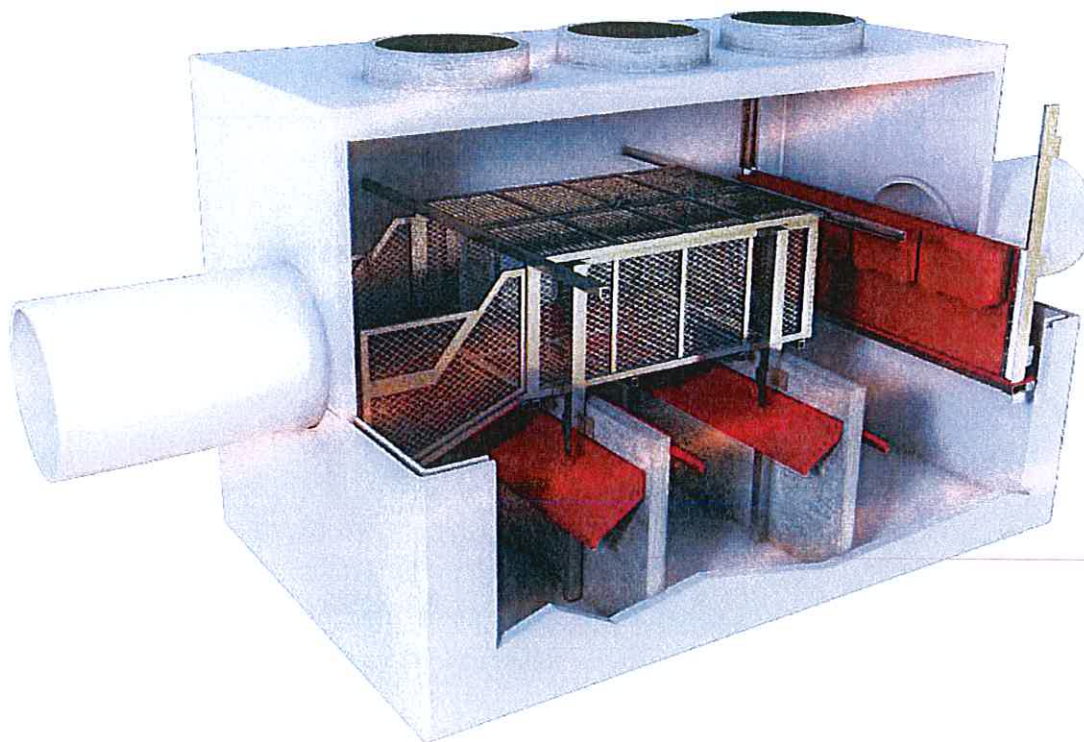
Nutrient Separating Baffle Box[®]

TREAT THE ENTIRE FLOW

MODULAR & SCALABLE

PROVEN PERFORMANCE

COMPACT FOOTPRINT



ADVANCED
hydrodynamic separation.



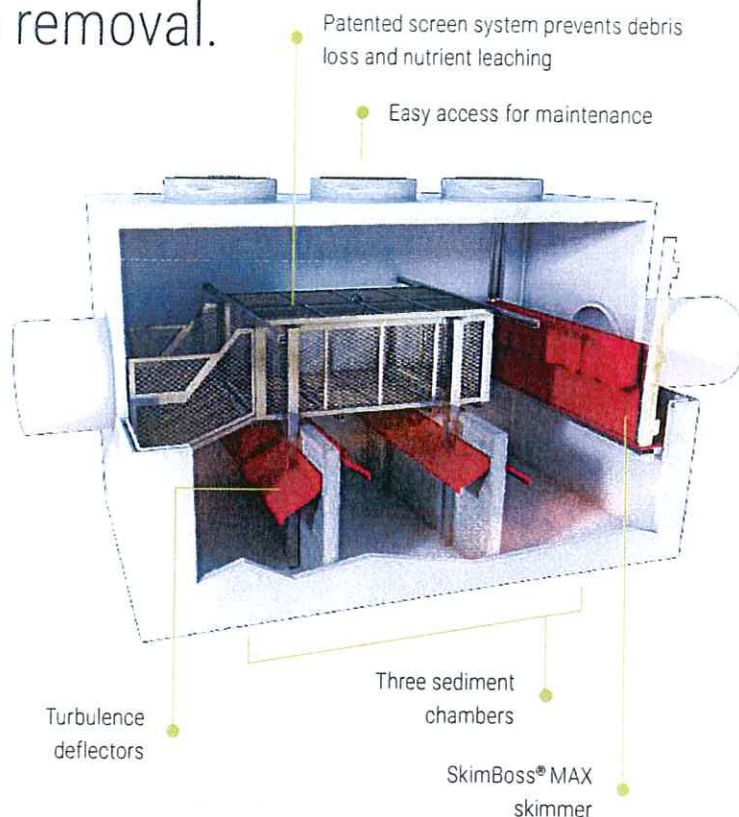
The Nutrient Separating Baffle Box[®] (NSBB[®]) is an advanced vault treatment system for storm water runoff. Its patented screen system captures and stores debris in a dry state to minimize nutrient leaching and allow for efficient maintenance. The triple chamber design provides high TSS removal over a wide range of particle sizes, while patented deflectors ensure no sediment scouring occurs during high flows, allowing for on-line installation without the need for separate diversion structures.

SUPERIOR

TSS, trash, and floatables removal.

The Nutrient Separating Baffle Box® is a multistage, self contained stormwater treatment system. Each component within the system protects prior stages from clogging issues or failures. Easy installation, low pick weights and minimal excavation, and simple to service.

- Pretreatment for ponds, lakes, rainwater harvesting systems and underground detention.
- Dry state storage prevents debris from leaching nutrients between storms.
- Turbulence deflectors eliminate scouring during high flows.
- Floating skimmer increases detention times, adjusts for HGL to minimize headloss and prevents floatables from passing downstream
- Meets requirements for full trash capture TMDL programs.



CERTIFICATIONS

New Jersey Department of Environmental Protection
NJCAT Certified for 50% TSS removal

Maryland Department of the Environment
Approved structural practice for pretreatment

Virginia Department of Environmental Quality
BMP Clearinghouse 20% credit for total phosphorous removal

California State Water Resources Control Board
Trash Capture Compliant

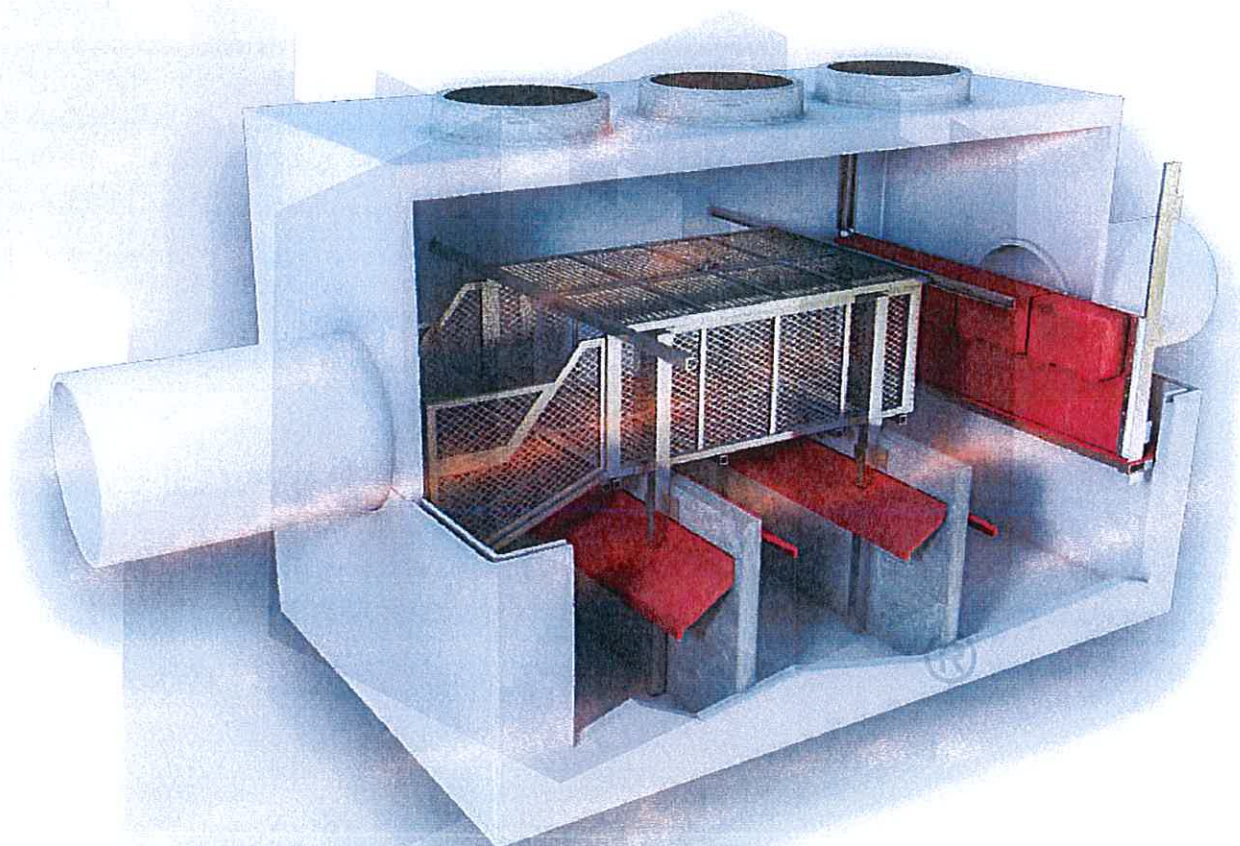
Inquire for a full list of certifications.

MODEL	SIZE (FT X FT)	MIN RIM TO INVERT DEPTH (FT)	MAX PIPE SIZE (IN)	TREATMENT FLOW RATES (CFS)		
				80% REMOVAL, 150 MICRON	50% REMOVAL, 75 MICRON NJCAT	TRASH CAPTURE
NSBB-4-8	4 x 8	4.5	24	4.60	2.49	28.80
NSBB-5-10	5 x 10	5.0	30	8.03	3.89	-
NSBB-6-12	6 x 12	5.5	36	12.70	5.60	42.80
NSBB-8-16	8 x 16	7.25	48	26.00	9.96	72.00
NSBB-10-20	10 x 20	8.0	60	45.40	15.56	197.20
NSBB-12-24	12 x 24	Varies	72	71.70	22.40	286.30

NSBB[®]

Nutrient Separating Baffle Box[®]

Operation and Maintenance Manual



Oldcastle Infrastructure[™]
A CRH COMPANY

TABLE OF CONTENTS

WARNING	2
GENERAL INFORMATION	3
INSPECTION INFORMATION	4
INSPECTION CHECKLIST	5
NSBB® COMPONENTS	6
REQUIREMENTS AND PARTS	7
SERVICE SUMMARY	8
SCREEN MAINTENANCE	9
CHAMBER MAINTENANCE	10
POST SERVICING PROTOCOL	10
WARRANTY	11
CONTACT INFORMATION	11

WARNING

Read the Following Information, Instructions and Warnings Before Inspecting, Cleaning or Performing Maintenance on this Stormwater Treatment Device.

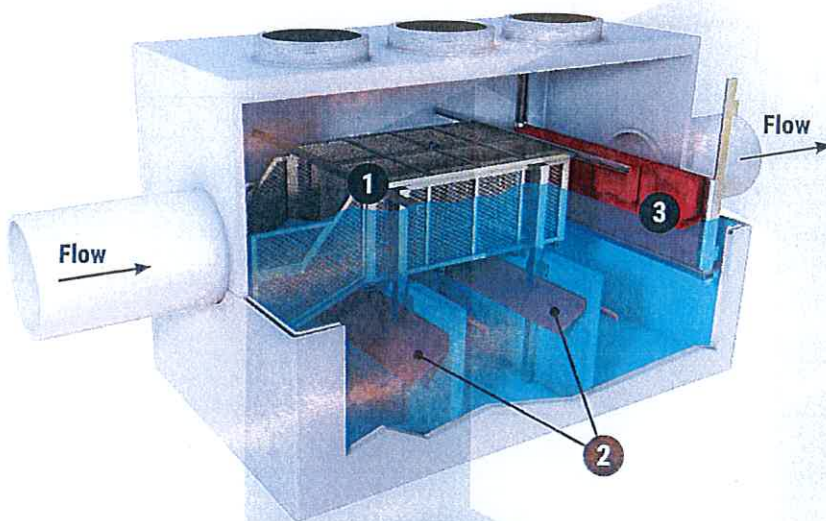
This manual is intended to explain the specifics of the Oldcastle Infrastructure Nutrient Separating Baffle Box and to review the aspects of existing regulations and safety procedures. It is the responsibility of all personnel to familiarize themselves with, understand and comply with all applicable local, state and federal laws before attempting to inspect or service this unit. All precautions and procedures in this manual are current at the time of printing but are subject to change based on the development of new processes and procedures. Oldcastle Infrastructure assumes no responsibility and is not accountable for any injuries, fines, penalties or losses that occur involving any procedure in this manual or other unaddressable actions taken. The Nutrient Separating Baffle Box performance is based on the procedures being followed in this manual. Non-Compliance with the outlined measures will be the responsibility of the owner.

GENERAL INFORMATION

The Nutrient Separating Baffle Box (NSBB) is a key component of your stormwater management program. To maintain proper operation, maintenance of these units is essential. The NSBB designed and manufactured by Oldcastle Infrastructure contains patented technologies to treat and manage stormwater. The NSBB is highly effective in capturing Nitrogen, Phosphorus, Total Suspended Solids, organics, trash, oils and grease. Independent testing has shown the NSBB is capable of capturing up to 95% of trash, 90% of Total Suspended Solids, 20% of nitrogen and 19% of phosphorus. Oldcastle Infrastructure recommends inspections be conducted semi-annually for the first year and annually thereafter for optimal removal efficiency.

During Storm Event

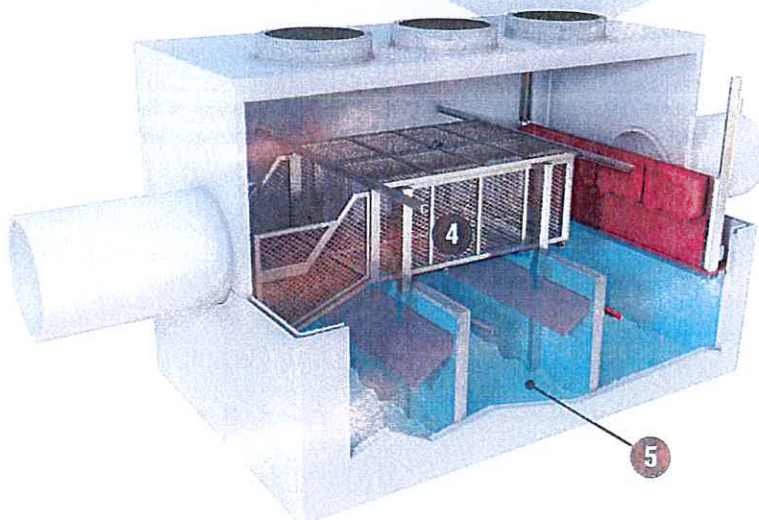
Nutrient rich organics and litter are captured in the screen system.



1. Runoff filters through the screen and skimmer leaving pollutants behind. Left over runoff evaporates over time.
2. Turbulence deflectors prevent captured sediment from becoming resuspended.
3. Hydrocarbons and other floating debris are trapped upstream of the floating skimmer.

After Storm Event

Debris dry out between storm events while pollutants are stored above the static water. As a result, the system does not turn septic.



4. Nutrient pollutant load is not lost to static water and will not be flushed out during the next storm event.
5. Separating organic matter from the static water prevents bacterial buildup.

INSPECTION INFORMATION

Oldcastle Infrastructure recommends the following guidelines for inspection: After installation and the site has stabilized, post construction inspections should be conducted after every runoff event. To ensure the Nutrient Separating Baffle Box obtains optimal pollutant removal efficiencies, subsequent sediment accumulation inspections should be conducted a minimum of every six (6) months. In the event the sediment accumulation equals or exceeds 80% of the minimum sediment storage volume (Fig 1), then all accumulated sediment must be removed.

Fig 1: Nutrient Separating Baffle Box® (NSBB®) Sizing Summary

STANDARD SIZING								
MODEL	STRUCTURE SIZE (FT X FT)	MAX PIPE SIZE (IN)	MIN RIM TO INVERT DEPTH ^(a) (FT)	SUMP DEPTH (FT)	SEDIMENT STORAGE ^(b) (CF)	TREATMENT FLOW RATES		MAX PEAK FLOW ^(e) (CFS)
						50% REMOVAL, 75 MICRON NJCAT ^(c) (CFS)	80% REMOVAL, 150 MICRON ^(d) (CFS)	
NSBB-48	4 x 8	24	4.17	3.0	15.0	2.49	4.60	29
NSBB-510	5 x 10	30	5.08	4.1	23.8	3.89	8.03	37
NSBB-612	6 x 12	36	5.17	5.0	34.3	5.60	12.70	69
NSBB-816	8 x 16	48	6.00	6.2	61.3	9.96	26.00	114
NSBB-1020	10 x 20	60	7.08	7.6	95.0	15.56	45.40	202
NSBB-1224	12 x 24	72	8.83	9.0	138.0	22.40	71.70	296

TRASH CAPTURE SIZING								
MODEL	STRUCTURE SIZE (FT X FT)	MAX PIPE SIZE (IN)	MIN RIM TO INVERT DEPTH ^(a) (FT)	SUMP DEPTH (FT)	SUMP VOLUME (CF)	SCREEN VOLUME	5MM TRASH CAPTURE ^(f) (CFS)	MAX PEAK FLOW ^(g) (CFS)
NSBB-48-TC	4 x 8	24	4.17	3.0	88.1	25.8	28.80	25
NSBB-612-TC	6 x 12	36	5.17	3.0	204.1	54.5	42.80	64
NSBB-816-TC	8 x 16	48	6.00	3.0	360.0	124.6	72.00	108

(a) Minimum Rim to Invert Depth based on Max Pipe Size listed. For depths less than minimum contact Soln Engr for design assistance.

(b) Sump depth for all Trash Capture approved model sizes is 3.0' typical.

(c) 50% Maximum Sediment Storage Volume per NJCAT verification.

(d) Based on NJCAT verification for 50% removal of D50 = 75 micron.

(e) Based on AET Tech, LLC Technical Memo (Smith, 7/20/18). Contact Soln Engr for alternative particle size treatment flows.

(f) Based on empty 5mm Screen Basket.

(g) Based on a Hydraulic Grade Line at 6" above maximum pipe size. For smaller pipe sizes confirm capacity with Soln Engr.

INSPECTION PROCEDURE

- | Inspect the unit from surface.
- | Open access points (Manhole / Hatch) and secure properly.
- | Visually inspect screen system to determine overall debris accumulation.
- | Inspect sediment chambers under screen system.
- | Inspect condition of joints and inflow / outflow pipe grout areas.

INSPECTION CHECKLIST

Inspection Checklist and Maintenance Guidance: Nutrient Separating Baffle Box.

To be completed at Time of Inspection or Maintenance.

OWNER NAME

LOCATION

ADDRESS

PHONE

DATE & TIME

SITE CONDITIONS

INSPECTION ITEMS	RECOMMENDED INTERVAL	COMMENTS
Access Openings	Semi-annually	
Screen System	Semi-annually	
Skimmer	Semi-annually	
Sediment Chambers	Semi-annually	
Vault Condition	Semi-annually	

1. Inspection items are to determine accessibility into Nutrient Separating Baffle Box.
2. Inspect screen system for debris volume and broken parts.
3. Inspect sediment chambers for estimated quantity.
4. Inspect general condition of vault for any clogged areas.

MAINTENANCE ITEMS	VOLUME COLLECTED	DATE	COMMENTS
Screen System			
Sediment Chambers			

1. Inspection items are to determine accessibility into Nutrient Separating Baffle Box.
2. After cleaning screen system, open bottom doors and vacuum out sediment chambers. (Estimate Volume Collected)

NSBB® COMPONENTS

Component Descriptions

The Nutrient Separating Baffle Box is a multi stage, self contained treatment system. Each subsequent component in the system protects prior stages from clogging. These stages include screening, separation and hydrocarbon absorption.

- | Screening is provided by a rectangular basket system which is suspended above the static water level of the sedimentation chambers. The screening filter has a storage capacity of several cubic yards depending on the model. The primary function of the basket is to capture gross solids like trash and nutrient rich debris. The screening system contains debris and provides a dry storage state to prevent nutrient leaching and contamination of static water, causing a septic state.
- | Sediment Separation is facilitated by three settling chambers each with a capacity of several cubic yards depending on the model. These chambers work to target smaller sediments and particulate metals.



View of Nutrient Separating Baffle Box and SkimBoss Upflow Filter

REQUIREMENTS & PARTS

Minimum Equipment Requirements

The use of a vacuum truck is required for servicing of the Nutrient Separating Baffle Box. Service crews are recommended to check all local, state and federal guidelines for servicing and disposal of any collected debris and sediments.

Structural Components

The structural components of the NSBB are designed to have a life span of several decades. Structural inspections are not required unless stipulated in guidelines set by the local municipality, state or federal agencies.

Replacement Parts

All interior components are designed and sized to be assembled and removed from the NSBB for servicing or for parts replacement. This can easily be accomplished via the access ports atop the structure. For any replacement parts or further instructions please contact:

Oldcastle Infrastructure

7000 Central Parkway

Suite 800

Atlanta, GA 30328

Phone: (888) 965-3227



SERVICING SUMMARY

Service Information

Maintenance activities include the removal of captured sediments and debris. Maintenance can be performed from outside the NSBB through access points such as manhole covers or hatches installed in the vault surface above the sediment chambers. During maintenance, the screen system may have either SunGlide™ Sliding Doors or Hinged Doors.

These top doors open to gain access to the debris captured by the screen system. This system also has bottom doors that open to give access to the sediment collected in the settling chambers. A vacuum truck is required for debris and sediment removal. Although not every circumstance can be covered in this manual, a situation may arise where the structure needs to be entered. Servicing does not require specialized tools.

Caution!

Any Service Work done in traffic areas must meet all DOT Roadway Work guidelines and necessary safety procedures.

Warning!

All OSHA confined space requirements must be met while cleaning any of the Nutrient Separating Baffle Box structures.

Service Procedure

1. Open the access openings (Manhole, Hatch or Grate) on the top of the Baffle Box.
2. Vacuum the debris captured by the screen system to expose the sediment collection chambers.
3. Open the bottom doors to the basket system to expose the sediment collection chambers. These doors have eyebolts to attach the service tool in order to open the bottom doors which hinge off to the side.
4. Vacuum each sediment chamber until they are empty.
5. After cleaning the sediment chambers close the bottom screen doors of the screen system. Lower or Slide the top doors and assure they lock correctly (if equipped with SunGlide Lids).
6. When all maintenance work is completed, be sure to close the access covers or hatches.

Note

All vacuum servicing of NSBB components can be done with the use of any vacuum truck designed for catch basin cleaning.

When possible, maintenance should be performed from the surface level.

SCREEN MAINTENANCE

Screen Maintenance Procedure

The Nutrient Separating Baffle Box Screen Basket is recommended to be inspected every 6 months and cleaned every 12 months.

1. Remove all manhole covers (or open hatches or grates) to gain access to the screening basket.
2. Remove all trash, litter, debris, organics and sediments captured by the screened basket either manually or with the use of a vacuum truck. The vacuum hose will not damage the screen.
3. Remove vacuum hose and replace manhole covers or hatch doors.
4. Transport all debris, trash, litter, organics and sediments to an approved disposal facility in accordance with local and state requirements.

Note

The screen basket must be cleaned before vacuuming each sediment separation chamber.

The bottom of the screen basket is designed with three hinged panels that are lifted vertically to access each separation chamber.



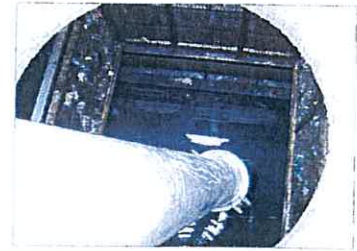
Nutrient Separating Baffle Box with trash / debris collected inside the screening system basket.

CHAMBER MAINTENANCE

Separation Chamber Maintenance Procedure

The Nutrient Separating Baffle Box Hydrodynamic Separation Chambers are recommended to be inspected every six (6) months and cleaned every twelve (12) months.

1. Remove all manhole covers (or open hatches or grates) to gain access to the separation chambers.
2. Lower vacuum truck hose into the first separation chamber through the screening basket closest to the inflow pipe. Pressure washing may be needed to remove compacted sediments.
3. Repeat this process in each separation chamber.
4. Remove vacuum hose and lower hinged panels of screening basket back to a horizontal position.



Open lower screen panels to remove sediments via vacuum truck.

POST SERVICING PROTOCOL

After completing inspection or maintenance, the service operator should prepare a record of service. The record should include maintenance activities performed, amount and description of debris collected and system condition.

- | The owner will retain the service / inspection record for a minimum of five (5) years from the date of maintenance, or in accordance to specified EPA / DEP requirements.
- | All records should be made available to the governing municipalities for inspection upon request at any time.
- | Transport all debris, trash, litter, organics and sediments to an approved facility for disposal in accordance with local and state requirements.



Nutrient Separating Baffle Box with collected trash, organics and debris inside the screened basket system ready for disposal.

WARRANTY

Warranty Information

Oldcastle Infrastructure products are engineered and manufactured with the intent of being a permanent part of the infrastructure. Oldcastle Infrastructure warrants its products to be free from manufacturing defects for a period of 5 years from the purchase date. In the event a warranty claim is made and determined to be valid, Oldcastle Infrastructure will replace or repair the product at their own discretion. Warranty claims must be submitted, evaluated and approved by Oldcastle Infrastructure for the claim to be determined valid. All warranty work must be authorized by Oldcastle Infrastructure prior to work beginning not covered by this warranty. There are no warranties expressed or implied other than what is specified herein. Abusive treatment, neglect or improper use of the Nutrient Separating Baffle Box will not be covered by this warranty.

CONTACT INFORMATION

General Inquires

For additional information concerning installation, general usage, maintenance products, warranties or replacement parts please contact:

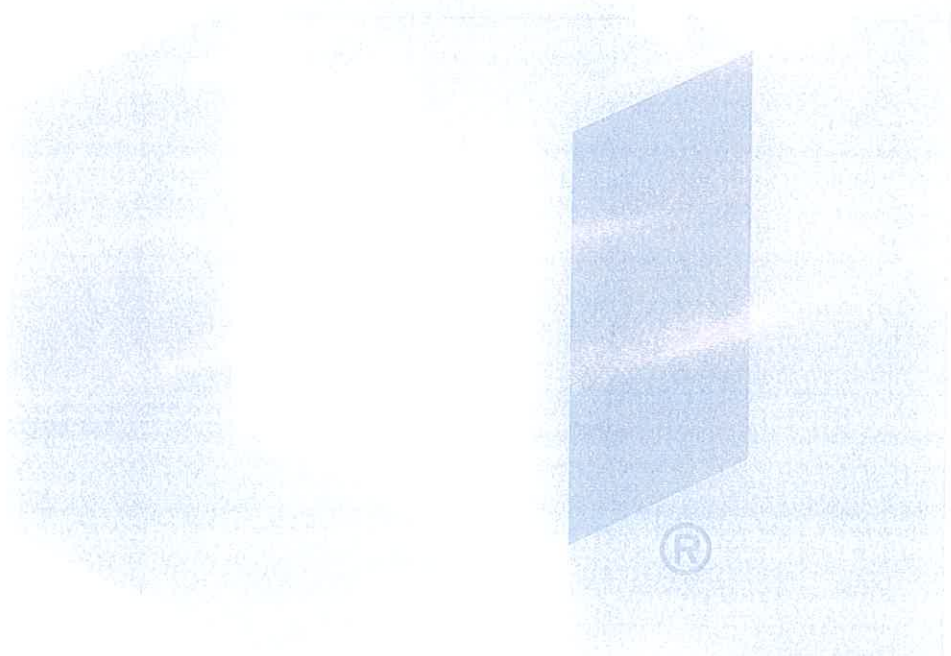
Oldcastle Infrastructure

7000 Central Parkway

Suite 800

Atlanta, GA 30328

Phone: (888) 965-3227



Oldcastle Infrastructure™
A CRH COMPANY

Attachment G

Pulaski Bridge Project - Proposed Stormwater Water Quality Device Total Suspended Solids (TSS) Loading Calculations

Calculations performed by: Tom Roache, PE

Date: 9/17/2021

Existing Conditions	
Stony Creek Watershed within Whitpain Twp.	2817 Ac.
Twp. Responsible portion of Stony Creek Watershed (39%)	1098.63 Ac.
% Impervious	20.24%
Impervious	222.363 Ac.
Pervious	876.267 Ac.
Unknown Tributary to Stony Creek Watershed Area Per this study (within Twp. Responsibility)	
Studied Area to Stony Creek	95.14 Ac.
% Impervious	47.53%
Impervious	45.22 Ac.
Pervious	49.92 Ac.

Proposed Water Quality Device - 95.14 Ac.	
Reduction amount for Studied Tributary of Stony Creek Watershed	
Percent TSS Removal Rate*	80%
Rate of TSS amount produced per year (Impervious)	1,839.00 lb/acre/year
Rate of TSS amount produced per year (Pervious)	264.96 lb/acre/year
Total Lbs per year TSS Produced (No Device)	96,386.45 lbs/Yr.
TSS/Yr Removed w/ NSBB Device	77,109.16 lbs/Yr.
TSS/Yr Remaining w/ NSBB Device	19,277.29 lbs/Yr.

Per Whitpain Pollution Reduction Plan - Stony Creek E. Load Calculations lbs/yr.

Responsibility	1,098.63 Ac.	TN Produced	1,190,979.09 lbs/Yr.
		TN Reduced (NSBB)	77,109.16 lbs/Yr.
		Percent Reduction**	6.47%
		Goal Reduction	10%
		Percent of Goal Reached (NSBB)	%*** 65%

Source of information for the Stony Creek Watershed is from the Whitpain Township Pollutant Reduction Plan.

<https://www.whitpain township.org/DocumentCenter/View/85/Pollutant-Reduction-Plan-PDF>

*The NSBB is highly effective in capturing nitrogen, phosphorus, total suspended solids, organics, trash, oils and grease. Independent testing has shown the NSBB is capable of capturing up to 95% of trash, 90% of total suspended solids, 20% of nitrogen and 19% of phosphorus. www.oldcastleinfrastructure.com

** Based upon this removal amount, additional BMPs would be required to meet the required 10% rate of the Township Responsible Areas.

*** Based on 80% removal rate of 150 micron size - Refer to Attachment F - NSBB-8-16 information

Summary of Existing Load Calculations for Each Watershed

Stony Creek Existing Load Calculations lbs/year

Using Attachment B All Other Counties	
Total Discharge of Township TSS	1,190,979.09
Total Responsibility Township TSS to be controlled	119,097.91
Total Discharge of Township TN	24,274.66
Total Responsibility Township TN to be controlled	728.24
Total Discharge of Township TP	1,751.20
Total Responsibility Township TP to be controlled	87.56

Table 6.0 Total Load Reductions

Using All Other County information from PRP Appendix B			
Watershed	TN Responsibility	TP Responsibility	TSS Responsibility
STONY	728.24	87.56	119,097.91
MERMAID	456.75	52.69	72,232.62
SAWMILL	80.91	9.27	12,184.39
COMBINED TOTAL (TRIBUTARIES DRAIN TO STONY)	1,265.90	149.52	203,514.91
PLYMOUTH	59.38	5.51	5,563.86
GOAL MET?	TN Responsibility	TP Responsibility	TSS Responsibility
STONY	100.94	(181.01)	(53,843.96)
MERMAID	(189.92)	(106.92)	(27,179.10)
SAWMILL	80.91	9.27	12,184.39
COMBINED TOTAL (TRIBUTARIES DRAIN TO STONY)	(8.06)	(278.65)	(68,838.67)
PLYMOUTH	(417.96)	(23.74)	(9,826.94)

Pulaski Bridge Project - Proposed Stormwater Water Quality Device Total Phosphorus (TP) Loading Calculations

Calculations performed by:

Ben Clemmer, EIT

Date: 9/17/2021

Existing Conditions	
Stony Creek Watershed within Whitpain Twp.	2817 Ac.
Twp. Responsible portion of Stony Creek Watershed (39%)	1098.63 Ac.
% Impervious	20.24%
Impervious	222.363 Ac.
Pervious	876.267 Ac.
Unknown Tributary to Stony Creek Watershed Area Per this study (within Twp. Responsibility)	
Studied Area to Stony Creek	95.14 Ac.
% Impervious	47.53%
Impervious	45.22 Ac.
Pervious	49.92 Ac.

Proposed Water Quality Device - 95.14 Ac.	
Reduction amount for Studied Tributary of Stony Creek Watershed	
Percent TP Removal Rate*	20%
Rate of TP amount produced per year (Impervious)	2.28 lb/acre/year
Rate of TP amount produced per year (Pervious)	0.84 lb/acre/year
Total Lbs per year TP Produced (No Device)	145.03 lbs/Yr.
TP/Yr Removed w/ NSBB Device	29.01 lbs/Yr.
TP/Yr Remaining w/ NSBB Device	116.03 lbs/Yr.

Per Whitpain Pollution Reduction Plan - Stony Creek E. Load Calculations lbs/yr.

Responsibility	1,098.63 Ac.	TP Produced	1,751.20 lbs/Yr.
		TP Reduced (NSBB)	29.01 lbs/Yr.
		Percent Reduction**	1.66%
		Goal Reduction	5% 87.56 lbs/Yr.
		Percent of Goal Reached (NSBB)	%** 33%

Source of information for the Stony Creek Watershed is from the Whitpain Township Pollutant Reduction Plan.

<https://www.whitpain township.org/DocumentCenter/View/85/Pollutant-Reduction-Plan-PDF>

*The NSBB is highly effective in capturing nitrogen, phosphorus, total suspended solids, organics, trash, oils and grease. Independent testing has shown the NSBB is capable of capturing up to 95% of trash, 90% of total suspended solids, 20% of nitrogen and 19% of phosphorus. www.oldcastleinfrastructure.com

** Based upon this removal amount, additional BMPs would be required to meet the required 3% rate of the Township Responsible Areas.

Summary of Existing Load Calculations for Each Watershed

Stony Creek Existing Load Calculations lbs/year

Using Attachment B All Other Counties	
Total Discharge of Township TSS	1,190,979.09
Total Responsibility Township TSS to be controlled	119,097.91
Total Discharge of Township TN	24,274.66
Total Responsibility Township TN to be controlled	728.24
Total Discharge of Township TP	1,751.20
Total Responsibility Township TP to be controlled	87.56

Table 6.0 Total Load Reductions

Using All Other County information from PRP Appendix B			
Watershed	TN Responsibility	TP Responsibility	TSS Responsibility
STONY	728.24	87.56	119,097.91
MERMAID	458.75	52.69	72,232.62
SAWMILL	80.91	9.27	12,184.39
COMBINED TOTAL (TRIBUTARIES DRAIN TO STONY)	1,267.90	149.52	203,514.91
PLYMOUTH	59.38	5.51	5,963.96
GOAL MET?			
STONY	100.94	(181.01)	(53,843.96)
MERMAID	(189.92)	(106.92)	(27,179.10)
SAWMILL	80.91	9.27	12,184.39
COMBINED TOTAL (TRIBUTARIES DRAIN TO STONY)	(8.06)	(278.65)	(68,838.67)
PLYMOUTH	(417.96)	(23.74)	(9,626.94)

Pulaski Bridge Project - Proposed Stormwater Water Quality Device Total Nitrogen (TN) Loading Calculations

Calculations performed by:

Ben Clemmer, EIT

Date: 9/17/2021

Existing Conditions	
Stony Creek Watershed within Whitpain Twp.	2817 Ac.
Twp. Responsible portion of Stony Creek Watershed (39%)	1098.63 Ac.
% Impervious	20.24%
Impervious	222.363 Ac.
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Unknown Tributary to Stony Creek Watershed Area Per this study (within Twp. Responsibility)	
Studied Area to Stony Creek	95.14 Ac.
% Impervious	47.53%
Impervious	45.22 Ac.
Pervious	49.92 Ac.

Proposed Water Quality Device - 95.14 Ac.	
Reduction amount for Studied Tributary of Stony Creek Watershed	
Percent TN Removal Rate*	20%
Rate of TN amount produced per year (Impervious)	23.06 lb/acre/year
Rate of TN amount produced per year (Pervious)	20.72 lb/acre/year
Total Lbs per year TN Produced (No Device)	2,077.12 lbs/Yr.
TN/Yr Removed w/ NSBB Device	415.42 lbs/Yr.
TN/Yr Remaining w/ NSBB Device	1,661.69 lbs/Yr.

Per Whitpain Pollution Reduction Plan - Stony Creek E. Load Calculations lbs/yr.

Responsibility	1,098.63 Ac.	TN Produced	24,274.66 lbs/Yr.
		TN Reduced (NSBB)	415.42 lbs/Yr.
		Percent Reduction**	1.71%
		Goal Reduction	3% 728.24 lbs/Yr.
		Percent of Goal Reached (NSBB)	% 57%

Source of information for the Stony Creek Watershed is from the Whitpain Township Pollutant Reduction Plan.

<https://www.whitpain township.org/DocumentCenter/View/85/Pollutant-Reduction-Plan-PDF>

*The NSBB is highly effective in capturing nitrogen, phosphorus, total suspended solids, organics, trash, oils and grease. Independent testing has shown the NSBB is capable of capturing up to 95% of trash, 90% of total suspended solids, 20% of nitrogen and 19% of phosphorus. www.oldcastleinfrastructure.com

** Based upon this removal amount, additional BMPs would be required to meet the required 3% rate of the Township Responsible Areas.

Summary of Existing Load Calculations for Each Watershed

Stony Creek Existing Load Calculations lbs/year

Using Attachment B All Other Counties	
Total Discharge of Township TSS	1,190,979.09
Total Responsibility Township TSS to be controlled	119,097.91
Total Discharge of Township TN	24,274.66
Total Responsibility Township TN to be controlled	728.24
Total Discharge of Township TP	1,751.20
Total Responsibility Township TP to be controlled	87.56

Table 6.0 Total Load Reductions

Using All Other County information from PRP Appendix B			
Watershed	TN Responsibility	TP Responsibility	TSS Responsibility
STONY	778.24	87.56	119,097.91
MERMAID	456.75	52.69	72,232.62
SAWMILL	80.91	9.27	12,184.39
COMBINED TOTAL (TRIBUTARIES DRAIN TO STONY)	1,265.90	149.52	203,514.91
PLYMOUTH	59.38	5.51	5,963.96
GOAL MET?			
STONY	100.94	(181.01)	(53,843.96)
MERMAID	(189.92)	(106.92)	(27,179.10)
SAWMILL	80.91	9.27	12,184.39
COMBINED TOTAL (TRIBUTARIES DRAIN TO STONY)	(8.06)	(278.65)	(68,838.67)
PLYMOUTH	(417.96)	(23.74)	(9,626.94)

APPENDIX N

PRE AND POST CONSTRUCTION PHOTOS OF 3 BASIN RETROFIT PROJECTS

ERBS MILL ROAD PARK BASIN RETROFIT









SHEPARD DRIVE BASIN RETROFIT

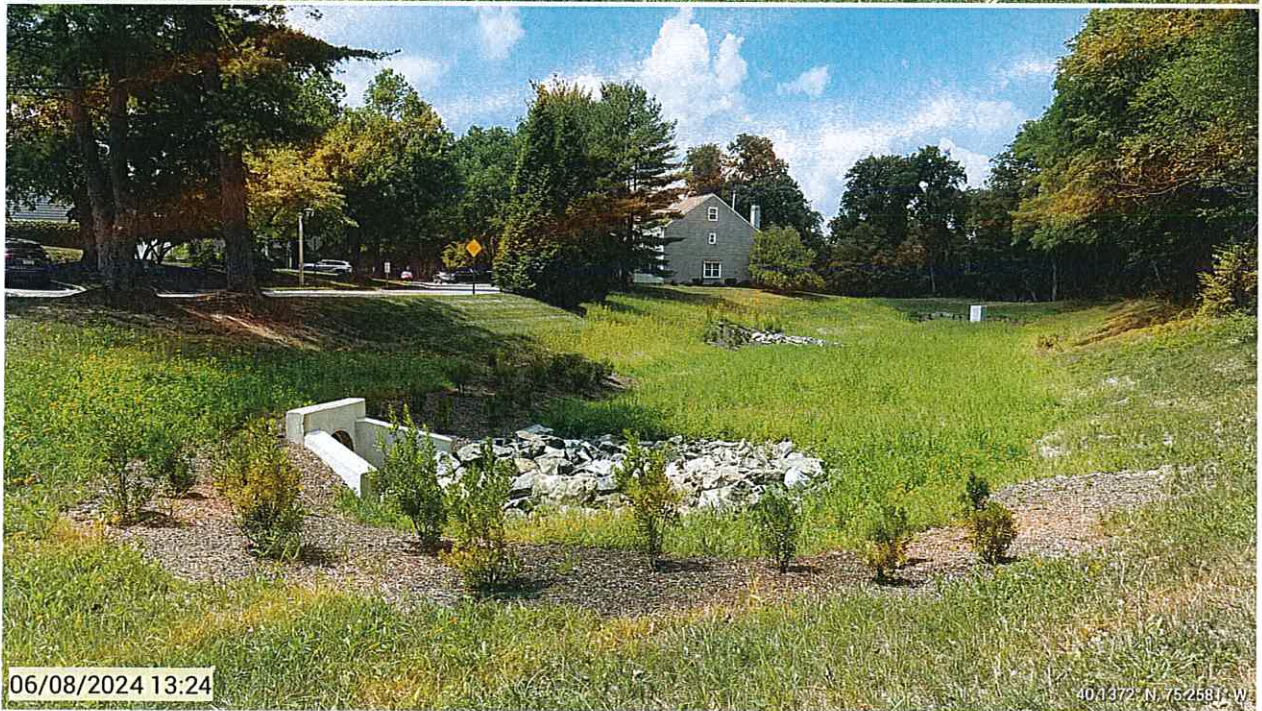


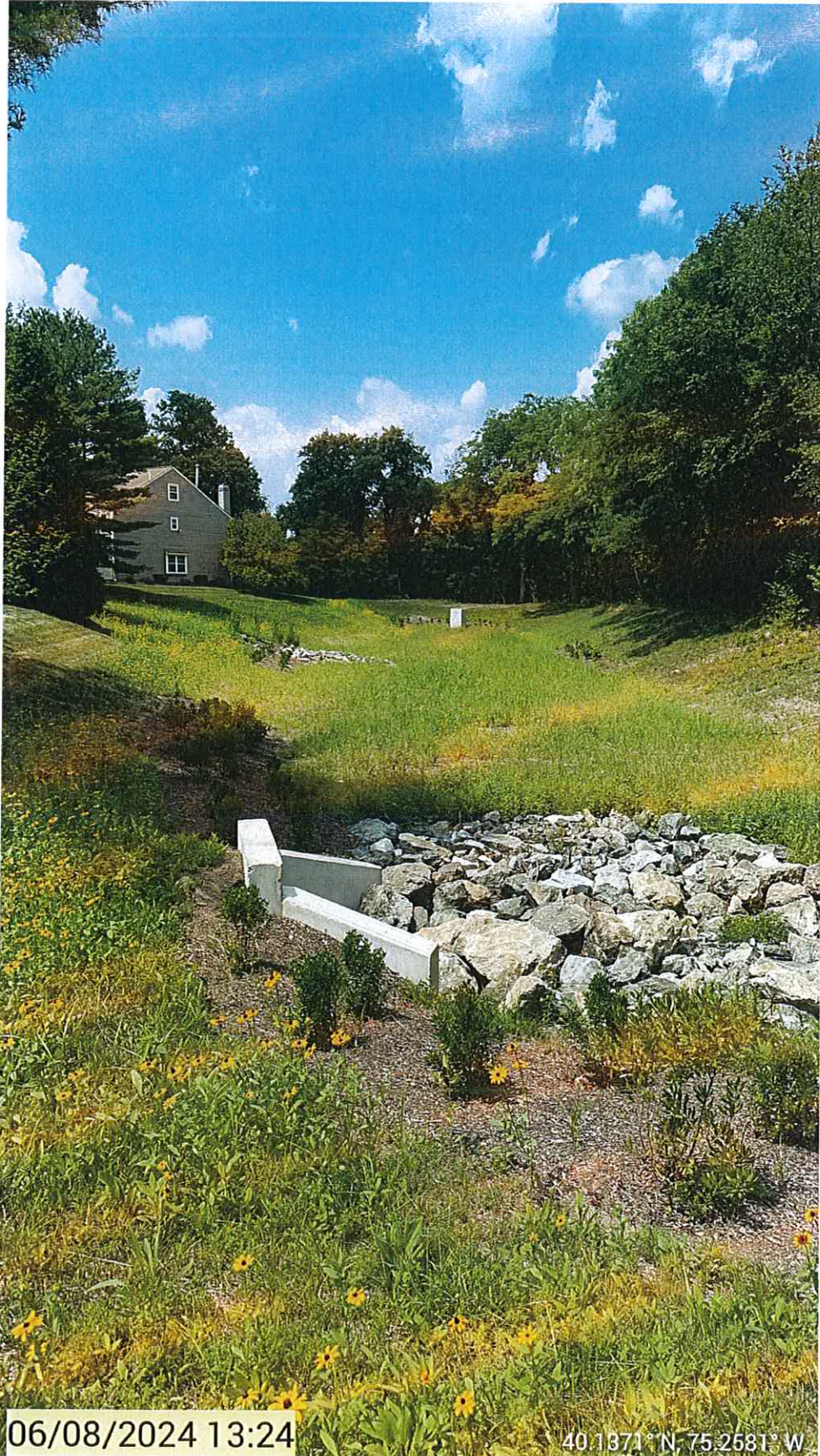




BLUE BELL WOODS BASIN RETROFIT







06/08/2024 13:24

40.1371° N, 75.2581° W

APPENDIX O

NEW BMPs FOR PRP/TMDL PLAN IMPLEMENTATION (TABLE 2)

Stony Creek, Mermaid Run, Sawmill Run, Plymouth Creek (PRP)

BMP No.	BMP Name	DA (ac)	%imp	BMP Extent	Units	Latitude	Longitude	Date installed or Implemented	Planning Area	Ch. 102	Part of Original PRP Plan	Annual Sediment Load Reduction
10	Erbs Mill Basin Retrofit	73.67	26%	21004.48	SF	40.1546339	75.31371	Anticipated Completion Fall 2024			No	39,756
11	Shepard Drive Basin Retrofit	45.38	49%	9820.314	SF	40.1461699	75.300994	Anticipated Completion Fall 2024			Yes	37,620

Wissahickon Creek (TMDL)

BMP No.	BMP Name	DA (ac)	%imp	BMP Extent	Units	Latitude	Longitude	Date installed or Implemented	Planning Area	Ch. 102	Part of Original TMDL	Annual Sediment Load Reduction
12	Blue Bell Woods Narcissa Rd Basin Retrofit (PR-94)	32.75	35%	27,378.67	SF	40.1374761	75.2585253	Anticipated Completion Fall 2024			No	16,111

APPENDIX P

BMP INVENTORY FOR PRP/TMDL PLAN IMPLEMENTATION (TABLE 3)

Table 3 Inventory of Structures BMPs to meet PRP/TMDL

Stony Creek, Mermaid Run, Sawmill Run, Plymouth Creek (PRP)

BMP NO.	BMP NAME	DA(ac)	% Imp.	BMP EXTENT	UNITS	LATITUDE	LONGITUDE	DATE INSTALLED	ANNUAL SEDIMENT LOAD REDUCTION (lbs/yr)	DATE OF LATEST INSPECTION	SATISFACTORY?	Part of Original Plan	COMMENTS
MR-61	BLUE BELL RUN BASIN	72	9%	85456.10 SF	ac	40.154025	-75.290875	1/19/1987	26,193.38	8/26/2024	Y	yes	Vegetation overgrowth around perimeter should be addressed.
1	Wentz Park Area A	4.52	13.3	0.1	ac	40.1594185	-75.285533	9/15/2019	2,029	8/28/2024	Y	yes	
2	Wentz Park Area B	4.52	13.3	0.17	ac	40.1594184	-75.2853851	9/15/2019	1,708	8/28/2024	Y	yes	
3	Wentz Park Area C	5.8	4.3	0.1	ac	40.1580486	-75.2848152	9/15/2019	1,876	8/28/2024	Y	yes	
4	Wentz Park Area D	5.8	4.3	0.1	ac	40.157938	-75.2847513	9/15/2019	1,826	8/28/2024	Y	yes	
5	Wentz Park Area E	116 trees	N/A	0.4	ac	40.1577999	-75.2845865	9/15/2019	61	8/28/2024	Y	yes	
6	Wentz Park Area F	2.59	6.2	0.13	ac	40.1577038	-75.2838666	9/15/2019	512	8/28/2024	Y	yes	
7	Wentz Park Area G	2.59	6.2	0.13	ac	40.1577038	-75.2838666	9/15/2019	744	8/28/2024	Y	yes	
8	Wentz Park Area H	6.99	6	0.35	ac	40.1584122	-75.2822082	9/15/2019	1,562	8/28/2024	Y	yes	
9	Pulsak Bridge- NSBB	95.14	47.53	10920x15	cf	40.1612947N	-75.3135204W	9/14/2022	77,109.16	8/27/2024	Y	no	

Wissahickon Creek (TMDL)

BMP NO.	BMP NAME	DA(ac)	% Imp.	BMP EXTENT	UNITS	LATITUDE	LONGITUDE	DATE INSTALLED	ANNUAL SEDIMENT LOAD REDUCTION (lbs/yr)	DATE OF LATEST INSPECTION	SATISFACTORY?	Part of Original Plan	COMMENTS
WR-55	VILLAGE CIRCLE BASIN	59.67	35%	49617.08x87 SF	SF	40.155232	-75.258516	6/21/1976	9,852	7/12/2024	Y	yes	Basin retrofit in 2017, included the addition of 5 infiltration pits and a forebay
PR-64	VALENTINE ESTATES BASIN (Lewis Ln)	16.23	11%	6940.32x8 SF	SF	40.150703	-75.252715	1/29/1981	4,535	8/12/2024	Y	yes	Basin modified to an infiltration basin
PR-63	Valentine Estates Basin Retrofit	54	11.4	0.355	ac	40.152709	-75.250639	9/15/2019	15,146	8/12/2024	Y	yes	

Summary of Pollutant Load Reductions Achieved

Whitpain Township has done projects to meet the Pollutant Reduction Plan goals. Below is a summary table of the requirements to meet and what has been achieved thus far for the PRP and TMDL plans. Further projects are being planned to continue to reduce the pollutants in the coming years.

Table: Pollutant Reduction Plan

Pollutant Reduction Plan	TSS (lbs/yr) Requirement	TSS (lbs/yr) Reduction Achieved	TP (lbs/yr) Requirement	TP (lbs/yr) Reduction Achieved	TN (lbs/yr) Requirement	TN (lbs/yr) Reduction Achieved
Combined Total (Tributaries Drain to Stony Creek)	203,515	113,571	149	29	1,266	416
Plymouth Creek	5,979		6		59	
Total	209,494	178,816	155	197	1,325	2,955

Within the Stony Creek and Plymouth Creek:

The Total Suspended solids have been reduced by 85.4%

The Total Phosphates have been reduced beyond the required amount totaling 127%

The Total Nitrates have been reduced beyond the required amount totaling 223%

Table: TMDL Plan Wissahickon

TMDL Plan	TSS (lbs/yr) Requirement	TSS (lbs/yr) Reduction Achieved	TP (lbs/yr) Requirement	TP (lbs/yr) Reduction Achieved	TN (lbs/yr) Requirement	TN (lbs/yr) Reduction Achieved
Wissahickon Creek	113,540	29,533	N/A	N/A	N/A	N/A
Streambank Stabilization Projects**						
Cedarbrook Country Club		1,016,800*				
Rose Valley Creek		176,080*				
Wissahickon Creek		322,400*				
Total	113,540	1,544,813				

* Sediment Removal Rate was obtained from the PaDEP TMDL Training Seminar in March, 2015. In the training seminar workbook it is listed as the Interim Removal Rate for Edge of Field.

**The Streambank Stabilization projects were approved as part of the TMDL plan on June 19, 2018.

Within the Wissahickon Creek:

The Total Suspended Solids have been reduced beyond the required amount totaling 1,361%.

APPENDIX Q

BMP INVENTORY SPREADSHEETS (NON-NPDES BMP'S)

Inventory Rainbarrels

Id	Location	DateInstall	DateInspected	Owner	Volume	Longitude	Latitude	DA(SF)	ReceivingWaters	NPDES
7	1065 Shepard Drive	12/8/2004	6/14/2016	Private	55	-75.298244	40.148067	444	Mermaid Run	N
6	1065 Shepard Drive	12/8/2004	6/14/2016	Private	55	-75.298309	40.148025	216	Mermaid Run	N
55	96 Norristown Road	7/9/2009	6/14/2016	Private	55	-75.254866	40.131846	478	Wissahickon Creek	N
54	96 Norristown Road	7/9/2009	6/14/2016	Private	55	-75.254925	40.131851	474	Wissahickon Creek	N
53	96 Norristown Road	7/9/2009	6/14/2016	Private	55	-75.255148	40.131949	279	Wissahickon Creek	N
52	96 Norristown Road	7/9/2009	6/14/2016	Private	55	-75.255193	40.131976	320	Wissahickon Creek	N
12	1125 Shepard Drive	3/13/2012	7/28/2016	Private	50	-75.300006	40.147089	243	Mermaid Run	N
10	1125 Shepard Drive	3/13/2012	7/28/2016	Private	50	-75.30007	40.147058	204	Mermaid Run	N
11	1125 Shepard Drive	3/13/2012	7/28/2016	Private	50	-75.300225	40.147014	120	Mermaid Run	N
20	1533 Daws Road	2/3/2011	7/27/2016	Private	50	-75.308671	40.155805	489	Stony Creek	N
19	1533 Daws Road	2/3/2011	7/27/2016	Private	50	-75.308603	40.155767	425	Stony Creek	N
21	1557 Thayer Drive	4/18/2008	6/14/2016	Private	55	-75.311227	40.154325	192	Stony Creek	N
22	1557 Thayer Drive	4/18/2008	6/14/2016	Private	55	-75.311196	40.154414	180	Stony Creek	N
24	1558 Vernon Road	4/30/2010	7/27/2016	Private	55	-75.311353	40.152667	202	Stony Creek	N
23	1558 Vernon Road	4/30/2010	7/27/2016	Private	55	-75.311404	40.152613	260	Stony Creek	N
25	1566 Vernon Road	1/15/2010	7/27/2016	Private	50	-75.311436	40.152728	162	Stony Creek	N
26	1566 Vernon Road	1/15/2010	7/27/2016	Private	50	-75.311389	40.152683	161	Stony Creek	N
27	1566 Vernon Road	1/15/2010	7/27/2016	Private	50	-75.311443	40.152629	161	Stony Creek	N
28	1566 Vernon Road	1/15/2010	7/27/2016	Private	50	-75.311514	40.152659	195	Stony Creek	N
33	1695 Township Line Road	4/12/2010	8/9/2018	Private	50	-75.320211	40.156243	150	Stony Creek	N
32	1695 Township Line Road	4/12/2010	8/9/2018	Private	50	-75.320319	40.156124	237	Stony Creek	N
31	1695 Township Line Road	4/12/2010	8/9/2018	Private	50	-75.320359	40.156366	488	Stony Creek	N
40	1953 Pulaski Drive	5/10/2013	7/8/2019	Private	40	-75.318997	40.16507	213.5	Stony Creek	N
38	1919 Pulaski Drive	8/1/2007	7/27/2016	Private	50	-75.318588	40.164719	944	Stony Creek	N
41	1953 Pulaski Drive	5/10/2013	7/8/2019	Private	40	-75.319017	40.165055	213.5	Stony Creek	N
39	1919 Pulaski Drive	8/1/2007	7/27/2016	Private	50	-75.318454	40.164645	662	Stony Creek	N
30	1681 Pulaski Drive	3/6/2010	7/8/2019	Private	200	-75.312426	40.161205	630	Stony Creek	N
29	1681 Pulaski Drive	3/6/2010	7/8/2019	Private	200	-75.312343	40.161016	1390	Stony Creek	N
36	1718 Arch Street Rd	7/12/2010	7/8/2019	Private	55	-75.295902	40.145042	284	Mermaid Run	N
37	1718 Arch Street Rd	7/12/2010	7/8/2019	Private	55	-75.295828	40.145013	346	Mermaid Run	N
9	1098 Boxwood Lane	9/21/2004	7/26/2016	Private	50	-75.279282	40.164564	490	Stony Creek	N
8	1098 Boxwood Lane	9/21/2004	7/26/2016	Private	50	-75.279054	40.16441	649	Stony Creek	N
15	12 Meade Rd	10/2/2013	6/14/2016	Private	60	-75.243004	40.142955	240	Prophecy Creek	N
14	12 Meade Rd	10/2/2013	6/14/2016	Private	60	-75.242972	40.142925	352	Prophecy Creek	N
18	1444 Manor Lane	10/24/2014	9/4/2018	Private	50	-75.277078	40.143656	720	Mermaid Run	N
17	1444 Manor Lane	10/24/2014	9/4/2018	Private	50	-75.276989	40.143615	241	Mermaid Run	N
16	1444 Manor Lane	10/24/2014	9/4/2018	Private	50	-75.27691	40.143577	300	Mermaid Run	N
35	1715 Township Line Rd	1/30/2015	7/8/2019	Private	80	-75.321056	40.156948	124	Stony Creek	N
34	1715 Township Line Rd	1/30/2015	7/8/2019	Private	80	-75.321314	40.157046	450	Stony Creek	N
46	888 Rabbit Run Road	10/12/2015	9/11/2019	Private	55	-75.277844	40.160569	200	Mermaid Run	N
50	888 Rabbit Run Road	10/12/2015	9/11/2019	Private	55	-75.277834	40.160562	200	Mermaid Run	N
51	888 Rabbit Run Road	10/12/2015	9/11/2019	Private	55	-75.277867	40.160545	200	Mermaid Run	N
49	888 Rabbit Run Road	10/12/2015	9/11/2019	Private	55	-75.277857	40.160538	200	Mermaid Run	N
48	888 Rabbit Run Road	10/12/2015	9/11/2019	Private	55	-75.278062	40.160447	236	Mermaid Run	N
47	888 Rabbit Run Road	10/12/2015	9/11/2019	Private	55	-75.278047	40.160442	236	Mermaid Run	N
13	1198 McKelvey Lane	3/29/2016	3/31/2016	Private	1025	-75.293295	40.161023	174	Stony Creek	N
45	832 Ivy Lane	1/15/2016	1/15/2016	Private	55	-75.244355	40.141841	125	Prophecy Creek	N
42	230 Penllyn Blue Bell Pike	8/13/2013	5/11/2017	Private	3000	-75.25267	40.164958	7959	Willow Run	N
5	1055 Wentz Road	11/30/2015	5/8/2019	Private	85	-75.287924	40.16112	171	Stony Creek	N
4	1055 Wentz Road	11/30/2015	5/8/2019	Private	85	-75.287968	40.161071	325	Stony Creek	N
3	1055 Wentz Road	11/30/2015	5/8/2019	Private	250	-75.288232	40.161314	531	Stony Creek	N
2	1055 Wentz Road	11/30/2015	5/8/2019	Private	250	-75.288808	40.161543	616	Stony Creek	N
1	1055 Wentz Road	11/30/2015	5/8/2019	Private	250	-75.288864	40.161492	616	Stony Creek	N
43	435 Walmore Way	4/22/2016	4/22/2016	Private	50	-75.266812	40.142388	442	Prophecy Creek	N
44	435 Walmore Way	4/22/2016	4/22/2016	Private	50	-75.266875	40.142338	442	Prophecy Creek	N
56	1418 Royal Oak Drive	10/22/2017	10/22/2017	Private	50	-75.275878	40.136732	49	Sawmill Run	N
57	70 Norristown Road	5/2/2016	5/2/2016	Private	100	-75.253077	40.132768	225	Wissahickon Creek	N
58	70 Norristown Road	5/2/2016	5/2/2016	Private	100	-75.25297	40.132749	225	Wissahickon Creek	N
59	450 Holly Road	3/8/2022	<Null>	Private	50	-75.260063	40.160389	<Null>	Wissahickon Creek	N
60	450 Holly Road	3/8/2022	<Null>	Private	50	-75.260021	40.160364	<Null>	Wissahickon Creek	N
61	1083 Plowshare Rd	9/28/2020	<Null>	Private	50	-75.289132	40.155689	<Null>	Stony Creek	N
62	1083 Plowshare Rd	9/28/2020	<Null>	Private	50	-75.289225	40.155659	<Null>	Stony Creek	N
63	1725 Concord Ct	<Null>	<Null>	Private	<Null>	-75.297267	40.174298	<Null>	Stony Creek	N
64	1725 Concord Ct	<Null>	<Null>	Private	<Null>	-75.297175	40.174274	<Null>	Stony Creek	N
65	1311 McDivitt Dr	8/3/2021	<Null>	Private	100	-75.300426	40.151179	<Null>	Stony Creek	N
66	1311 McDivitt Dr	8/3/2021	<Null>	Private	100	-75.300505	40.151099	<Null>	Stony Creek	N
67	1501 Daws	<Null>	<Null>	Private	<Null>	-75.307628	40.155117	<Null>	Stony Creek	N
68	1501 Daws	<Null>	<Null>	Private	<Null>	-75.307636	40.155107	<Null>	Stony Creek	N
69	450 Ridge Run	8/9/2022	<Null>	Private	60	-75.290502	40.177462	<Null>	Stony Creek	N
70	450 Ridge Run	8/9/2022	<Null>	Private	60	-75.290516	40.177447	<Null>	Stony Creek	N

Inventory Rainbarrels

71	450 Ridge Run	8/9/2022	<Null>	Private	60	-75.29053	40.177433	<Null>	Stony Creek	N
72	450 Ridge Run	8/9/2022	<Null>	Private	60	-75.290543	40.177419	<Null>	Stony Creek	N
<Null>	1618 Sullivan Dr	6/12/2022	<Null>	Private	<Null>	-75.31139	40.15863	<Null>	Stony Creek	N
<Null>	1663 Woodford Way	4/14/2016	<Null>	Private	<Null>	-75.311826	40.155433	<Null>	Stony Creek	N
<Null>	671 Deaver Dr	<Null>	<Null>	Private	<Null>	-75.27926	40.142936	<Null>	Sawmill Run	N
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<Null>	1080 Plowshare Rd	<Null>	<Null>	Private	<Null>	-75.289861	40.155762	<Null>	Mermaid Run	N
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<Null>	1458 Cortez Rd	<Null>	<Null>	Private	<Null>	-75.316292	40.165713	<Null>	Stony Creek	N
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<Null>	1463 Mauck Rd	<Null>	<Null>	Private	100	-75.318078	40.167015	<Null>	Stony Creek	N
<Null>	1463 Mauck Rd	<Null>	<Null>	Private	100	-75.318119	40.167042	<Null>	Stony Creek	N
<Null>	1463 Mauck Rd	<Null>	<Null>	Private	100	-75.317978	40.167115	<Null>	Stony Creek	N

Location	DA(SF)	xcoord	ycoord	Dateinstal	NPDES	BMP/TYPE	Volume	Lastingected	NPDES_ID	Owner and Party Responsible for O&M	OrdMReq
205 Skipack Pike	0.067535	-75.250462	40.145689	10/3/2014	N	Rain Garden	0	8/1/2016	<Null>	Township	SEE PABMP section 6.4.5
510 Plymouth Road	0.014984	-75.161802	40.162361	5/3/2012	N	Rain Garden	12719	8/12/2015	<Null>	PRIVATE	SEE PABMP section 6.4.5
909 907 Phipps Way	0.045503	-75.26019	40.154908	4/15/2013	N	Rain Garden	3645.6	7/15/2019	PAGO2004610031	PRIVATE	SEE PABMP section 6.4.5
560 Lewis Lane	0.027413	-75.246252	40.151598	11/6/2013	N	Rain Garden	12721	8/9/2018	PAGO2004612079	PRIVATE	SEE PABMP section 6.4.5
340 DeKalb Pike	0.079873	-75.277072	40.177149	5/11/2012	N	Rain Garden	38869	9/11/2018	PAGO2004619006R (2)	COUNTY	SEE PABMP section 6.4.5
1921 Cori Lane	0.053843	-75.275692	40.17509	5/11/2012	N	Rain Garden	1650	9/11/2018	PAGO2004619006R (2)	COUNTY	SEE PABMP section 6.4.5
1925 Cori Lane	0.003157	-75.30521	40.17902	3/20/2015	N	Rain Garden	265.02	7/28/2016	<Null>	PRIVATE	SEE PABMP section 6.4.5
800 Sam Lane	0.001313	-75.305652	40.179418	7/31/2015	N	Rain Garden	118.18	7/31/2015	<Null>	PRIVATE	SEE PABMP section 6.4.5
1130 Darry Lane	0.001312	-75.306015	40.179152	4/13/2016	N	Rain Garden	239.36	3/29/2016	<Null>	PRIVATE	SEE PABMP section 6.4.5
721 Arbor Way	0.004526	-75.288039	40.156041	4/13/2016	N	Rain Garden	82.5	11/30/2018	PAGO2004613067	PRIVATE	SEE PABMP section 6.4.5
721 Arbor Way	0.052523	-75.283854	40.136698	6/17/2013	N	Rain Garden	0	7/30/2018	PAGO2004613067	PRIVATE	SEE PABMP section 6.4.5
721 Arbor Way	0.058899	-75.2834	40.140143	6/17/2013	N	Rain Garden	0	7/30/2018	PAGO2004613067	PRIVATE	SEE PABMP section 6.4.5
721 Arbor Way	0.074128	-75.282865	40.140667	6/17/2013	N	Rain Garden	0	7/30/2018	PAGO2004613067	PRIVATE	SEE PABMP section 6.4.5
936 Penlyn Blue Bell Pike	0.001662	-75.292063	40.171287	5/18/2005	N	Seepage Pit	0	8/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
683 School Road	0.009311	-75.266916	40.150137	4/15/2005	N	Seepage Bed	0	8/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
1370 Horseshoe Drive	0.002368	-75.273098	40.159621	8/4/2005	N	Seepage Bed	0	8/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
1135 Oak Ridge Drive	0.001344	-75.296494	40.158456	8/27/2005	N	Infiltration Trench	0	5/6/2013	<Null>	PRIVATE	SEE PABMP section 6.4.6
1820 Ansley Lane	0.005568	-75.302253	40.165426	9/20/2005	N	Seepage Pit	0	4/30/2013	<Null>	PRIVATE	SEE PABMP section 6.4.6
1533 Ebs Mill Road	0.002365	-75.315256	40.163197	1/28/2006	N	Seepage Bed	0	8/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
1150 Hereford Drive	0.013481	-75.310451	40.153986	3/31/2006	N	Seepage Bed	0	7/28/2016	<Null>	PRIVATE	SEE PABMP section 6.4.6
1730 Skipack Pike	0.003315	-75.287043	40.15836	4/8/2006	N	Seepage Bed	0	8/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
324 Augusta Drive	0.023316	-75.299566	40.171298	4/25/2006	N	Infiltration Trench	0	4/30/2013	<Null>	PRIVATE	SEE PABMP section 6.4.6
1486 Ford Road	0.003685	-75.281185	40.177832	6/15/2006	N	Seepage Bed	0	5/6/2013	<Null>	PRIVATE	SEE PABMP section 6.4.6
1610 Pulaski Drive	0.006595	-75.30413	40.15612	6/9/2006	N	Infiltration Trench	0	5/7/2013	<Null>	PRIVATE	SEE PABMP section 6.4.6
1422 Walnut Street	0.000622	-75.210082	40.159244	10/15/2013	N	Infiltration Facility	0	8/9/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
1057 Walton Road	0.003514	-75.299176	40.155035	11/8/2006	N	Infiltration Facility	0	8/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
412 Railroad Ave	0.023144	-75.263929	40.147529	8/31/2006	N	Infiltration Facility	0	8/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
140 Norrisstown Road	0.001494	-75.23291	40.159932	9/23/2005	N	Infiltration Trench	0	8/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
140 Norrisstown Road	0.043248	-75.258422	40.134743	9/20/2005	N	Seepage Bed	0	8/9/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
140 Norrisstown Road	0.024903	-75.259899	40.131508	10/5/2006	N	Seepage Bed	0	5/1/2013	<Null>	PRIVATE	SEE PABMP section 6.4.6
140 Norrisstown Road	0.014813	-75.258885	40.130654	10/5/2006	N	Seepage Bed	0	5/1/2013	<Null>	PRIVATE	SEE PABMP section 6.4.6
1063 Walton Road	0.008693	-75.257927	40.131431	10/5/2006	N	Seepage Bed	0	5/1/2013	<Null>	PRIVATE	SEE PABMP section 6.4.6
980 Skipack Pike	0.002567	-75.277924	40.158977	12/9/2006	N	Infiltration Facility	0	5/6/2013	<Null>	PRIVATE	SEE PABMP section 6.4.6
224 Plymouth Road	0.009479	-75.261072	40.167906	1/20/2007	N	Seepage Bed	0	7/15/2019	<Null>	PRIVATE	SEE PABMP section 6.4.6
155 Ridings Way	0.00163	-75.243742	40.147972	2/17/2007	N	Seepage Pit	0	8/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
155 Ridings Way	0.001661	-75.243923	40.147829	2/17/2007	N	Seepage Pit	0	8/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
625 School Road	0.011016	-75.271667	40.160784	5/26/2016	N	Seepage Bed	0	5/26/2016	<Null>	PRIVATE	SEE PABMP section 6.4.6
1599 Walton Road	0.035095	-75.273378	40.136752	1/1/2007	N	Infiltration Facility	0	8/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
1063 Walton Road	0.021767	-75.263737	40.146926	11/12/2007	N	Infiltration Facility	0	4/28/2016	<Null>	PRIVATE	SEE PABMP section 6.4.6
1063 Walton Road	0.014597	-75.263054	40.146959	11/12/2007	N	Infiltration Facility	0	4/28/2016	<Null>	PRIVATE	SEE PABMP section 6.4.6
1052 Grant Avenue	0.006076	-75.288684	40.162134	1/11/2008	N	Seepage Bed	0	4/30/2013	<Null>	PRIVATE	SEE PABMP section 6.4.6
1045 Stony Brook Drive	0.002896	-75.278523	40.154516	5/12/2009	N	Seepage Bed	0	7/28/2016	<Null>	PRIVATE	SEE PABMP section 6.4.6
498 Lewis Lane	0.010933	-75.242273	40.153604	9/12/2007	N	Infiltration Facility	0	7/28/2016	<Null>	PRIVATE	SEE PABMP section 6.4.6
1689 Sylvan Drive	0.004709	-75.31552	40.145762	6/5/2007	N	Infiltration Trench	0	8/9/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
40 Menade Road	0.003557	-75.246246	40.141708	9/18/2009	N	Infiltration Facility	0	8/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
1663 Pemberton Road	0.011446	-75.260226	40.125905	7/16/2013	N	Seepage Bed	0	8/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
1409 Royal Oak Drive	0.005519	-75.275412	40.137577	6/19/2014	N	Seepage Bed	0	8/12/2015	<Null>	PRIVATE	SEE PABMP section 6.4.6
510 Plymouth Road	0.004174	-75.26169	40.162309	11/12/2012	N	Seepage Bed	0	8/12/2015	<Null>	PRIVATE	SEE PABMP section 6.4.6
651 Hillside	0.038763	-75.259348	40.157473	7/24/2015	N	Seepage Bed	0	8/12/2015	<Null>	PRIVATE	SEE PABMP section 6.4.6
921 Deeparth	0.012361	-75.258648	40.146914	12/5/2010	N	Seepage Bed-check/for other plans or driveway mod	0	7/15/2019	<Null>	PRIVATE	SEE PABMP section 6.4.6
1400 Granary Road	0.005645	-75.272948	40.141078	9/25/2007	N	Infiltration Facility	0	8/9/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
321 Morris Road	0.006602	-75.241289	40.156386	1/26/2005	N	Seepage Bed	0	5/1/2013	<Null>	PRIVATE	SEE PABMP section 6.4.6
1611 Vost Road	0.020763	-75.30973	40.160288	12/5/2008	N	Seepage Bed	0	8/9/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
1611 Vost Road	0.019388	-75.309398	40.160333	12/5/2008	N	Seepage Bed	0	8/9/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
1560 Skipack Pike	0.016907	-75.294767	40.169183	10/22/2013	N	Seepage Bed	0	8/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
1570 Skipack Pike	0.013321	-75.294765	40.169089	11/24/2014	N	Seepage Bed	0	8/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
137 Stenton-SireUnderConstruction	0.0367216	-75.259447	40.128114	<Null>	N	Infiltration Trench, Seepage Bed, Seepage Pit	0	5/4/2015	PAGO2004614010	PRIVATE	SEE PABMP section 6.4.6
137 Stenton-SireUnderConstruction	0.079955	-75.258803	40.123409	<Null>	N	Infiltration Trench, Seepage Bed, Seepage Pit	0	5/4/2015	PAGO2004614010	PRIVATE	SEE PABMP section 6.4.6
244 Skipack Pike	0.034855	-75.251188	40.142934	1/28/2015	N	Infiltration Facility	0	10/16/2015	<Null>	PRIVATE	SEE PABMP section 6.4.6
1016 DeKalb Pike	0.003669	-75.292236	40.164229	10/16/2015	N	Infiltration Bed	0	11/15/2016	PAGO2004614010	PRIVATE	SEE PABMP section 6.4.6
150 Red Oak Drive	0.0554	-75.259153	40.130067	1/22/2016	N	Infiltration Trench, Seepage Bed, Seepage Pit	0	11/15/2016	PAGO2004614010	PRIVATE	SEE PABMP section 6.4.6
130 Red Oak Drive	0.028193	-75.258766	40.126709	12/15/2016	N	Infiltration Trench, Seepage Bed, Seepage Pit	0	11/15/2016	PAGO2004614010	PRIVATE	SEE PABMP section 6.4.6
141 Red Oak Drive	0.033094	-75.258032	40.130178	12/27/2017	N	Infiltration Bed	0	7/16/2013	<Null>	PRIVATE	SEE PABMP section 6.4.6
1660 Pemberton	0.022894	-75.258931	40.125509	12/18/2012	N	Seepage Bed	200	7/16/2013	<Null>	PRIVATE	SEE PABMP section 6.4.6
131 Plymouth Road	0.004664	-75.26304	40.169198	5/16/2019	N	Seepage Bed-Under Construction	0	5/16/2019	<Null>	PRIVATE	SEE PABMP section 6.4.6
137 Stenton-SireUnderConstruction	0.089632	-75.258246	40.129231	<Null>	N	Infiltration Trench, Seepage Bed, Seepage Pit	0	5/4/2015	PAGO2004614010	PRIVATE	SEE PABMP section 6.4.6
137 Stenton-SireUnderConstruction	0.046547	-75.258597	40.12844	<Null>	N	Infiltration Trench, Seepage Bed, Seepage Pit	0	5/4/2015	PAGO2004614010	PRIVATE	SEE PABMP section 6.4.6
137 Stenton-SireUnderConstruction	0.019275	-75.258658	40.128441	<Null>	N	Infiltration Trench, Seepage Bed, Seepage Pit	0	5/4/2015	PAGO2004614010	PRIVATE	SEE PABMP section 6.4.6
6 Devonshire	0.003567	-75.256706	40.129979	11/24/2015	N	Infiltration Trench	0	2/14/2016	<Null>	PRIVATE	SEE PABMP section 6.4.6
315 Maple Avenue	0.00448	-75.3036	40.150011	12/23/2015	N	Seepage Pit	0	6/28/2016	<Null>	PRIVATE	SEE PABMP section 6.4.6
317 Maple Avenue	0.005147	-75.230281	40.157967	12/23/2015	N	Seepage Pit	0	6/28/2016	<Null>	PRIVATE	SEE PABMP section 6.4.6
319 Maple Avenue	0.004403	-75.230213	40.15793	11/20/2015	N	Seepage Pit	0	6/28/2016	<Null>	PRIVATE	SEE PABMP section 6.4.6

321 Maple Avenue	0.004743	-75.230144	40.157891	11/20/2015	N	Seepage Pit	<Null>	0	6/28/2016	<Null>	PRIVATE	SEE PABMP section 6.4.6
345 Brentwood Drive	0.006072	-75.267999	40.169621	10/30/2015	Y	Drywell	<Null>	0	1/17/2017	PAGO2004614028	PRIVATE	SEE PABMP section 6.4.6
825 Lewis Lane	0.005637	-75.256303	40.149796	10/20/2014	N	Seepage Bed	<Null>	0	4/20/2016	<Null>	PRIVATE	SEE PABMP section 6.4.6
675 School Road	0.000741	-75.272544	40.160263	5/16/2013	N	Level Spreader	<Null>	488.69	5/26/2016	<Null>	PRIVATE	SEE PABMP section 6.8.1
1527 Yost Road	0.005712	-75.305034	40.163344	5/20/2015	Y	Level Spreader	<Null>	0	6/2/2015	PAGO2004611020	Township	SEE PABMP section 6.8.1
1527 Yost Road	0.003915	-75.30679	40.159813	5/20/2015	Y	Level Spreader	<Null>	0	6/2/2015	PAGO2004611020	Township	SEE PABMP section 6.8.1
1527 Yost Rd	0.007483	-75.304528	40.162524	6/23/2014	Y	Cistern	<Null>	0	6/2/2015	PAGO2004611020	Township	SEE PABMP section 6.5.2
1527 Yost Rd	0.008814	-75.305548	40.16009	6/23/2014	Y	Cistern	<Null>	0	6/2/2015	PAGO2004611020	PRIVATE	SEE PABMP section 6.5.2
120 Norristown Road	0.019238	-75.257834	40.132055	6/2/2003	N	Seepage Bed	<Null>	0	8/5/2016	<Null>	PRIVATE	SEE PABMP section 6.4.6
201 Skippack Pike	0.001058	-75.248191	40.14235	3/26/2004	N	Seepage Bed	<Null>	0	5/8/2013	<Null>	PRIVATE	SEE PABMP section 6.4.6
Village Circle Basin	0.003671	-75.258616	40.155119	6/24/2016	N	Seepage Bed	<Null>	<Null>	7/10/2018	<Null>	Township	SEE PABMP section 6.4.6
Village Circle Basin	0.005548	-75.258573	40.155227	6/24/2016	N	Seepage Bed	<Null>	<Null>	7/10/2018	<Null>	Township	SEE PABMP section 6.4.6
Village Circle Basin	0.004375	-75.258474	40.155383	6/24/2016	N	Seepage Bed	<Null>	<Null>	7/10/2018	<Null>	Township	SEE PABMP section 6.4.6
Village Circle Basin	0.004221	-75.258358	40.155498	6/24/2016	N	Seepage Bed	<Null>	<Null>	7/10/2018	<Null>	Township	SEE PABMP section 6.4.6
Village Circle Basin	0.004766	-75.258305	40.155384	6/24/2016	N	Seepage Bed	<Null>	<Null>	7/10/2018	<Null>	Township	SEE PABMP section 6.4.6
1710 DeKalb Pike	0.022136	-75.305414	40.151022	5/1/2018	N	Infiltration Facility	<Null>	0	7/10/2018	<Null>	PRIVATE	SEE PABMP section 6.4.6
Centre Square Commons	0.587615	-75.290414	40.165529	8/11/2016	Y	Cistern	<Null>	<Null>	5/30/2017	PAGO2004615058	PRIVATE	SEE PABMP section 6.5.2
Centre Square Commons	0.262537	-75.290392	40.16508	8/11/2016	Y	Underground Basin	<Null>	<Null>	5/30/2017	PAGO2004615058	PRIVATE	SEE PABMP section 6.5.2
1501 Narrows Road-Wings Field	0.130093	-75.265209	40.139284	8/10/2016	Y	Level Spreader	<Null>	<Null>	8/10/2016	PAGO2004615031	PRIVATE	SEE PABMP section 6.8.1
1501 Narrows Road-Wings Field	0.112933	-75.262027	40.141012	8/10/2016	Y	Level Spreader	<Null>	<Null>	8/10/2016	PAGO2004615031	PRIVATE	SEE PABMP section 6.8.1
Blue Bell Country Club Pod O	0.016275	-75.299394	40.179939	9/28/2018	Y	Rain Garden	<Null>	<Null>	7/27/2018	PAGO2004614051	PRIVATE	SEE PABMP section 6.4.5
Blue Bell Country Club Pod O Community Center	0.039052	-75.300603	40.17919	8/15/2016	Y	Seepage Bed	<Null>	<Null>	7/27/2018	PAGO2004614051	PRIVATE	SEE PABMP section 6.4.5
1790 Pemberton	0.011732	-75.261911	40.123104	9/15/2016	N	Seepage Bed	<Null>	<Null>	9/15/2016	<Null>	PRIVATE	SEE PABMP section 6.4.6
335 Brentwood Drive	0.00871	-75.26815	40.169752	1/17/2017	Y	Drywell	<Null>	<Null>	1/17/2017	PAGO2004614028	PRIVATE	SEE PABMP section 6.4.6
885 Lantern Lane	0.014097	-75.260771	40.173324	11/28/2017	N	Seepage Pit	<Null>	<Null>	3/6/2017	<Null>	PRIVATE	SEE PABMP section 6.4.6
41 Red Oak Drive	0.021078	-75.256481	40.127687	3/1/2017	Y	Rain Garden	<Null>	<Null>	7/11/2018	PAGO2004614010	PRIVATE	SEE PABMP section 6.4.5
651 Topton Place	0.008341	-75.27903	40.143149	9/1/2017	N	Rain Garden	<Null>	<Null>	9/1/2017	<Null>	PRIVATE	SEE PABMP section 6.4.5
205 AMOUR CIR	0.34264	-75.271295	40.178137	10/3/2017	N	Rain garden	<Null>	<Null>	10/3/2017	<Null>	PRIVATE	SEE PABMP section 6.4.5
1155 DeKalb Pike -Blue Bell Quarters	0.016396	-75.294556	40.163179	4/2/2018	N	Underground Basin-under construction	<Null>	1786	6/24/2019	<Null>	PRIVATE	SEE PABMP section 6.4.5
80 Red Oak Drive	0.094422	-75.257858	40.127689	11/2/2017	Y	Rain Garden	<Null>	<Null>	5/18/2018	PAGO2004614010	PRIVATE	SEE PABMP section 6.4.6
Valentine Estates Basin - 381 Miles Dr	0.004799	<Null>	<Null>	9/10/2019	<Null>	Infiltration pit basin	<Null>	<Null>	8/12/2024	<Null>	Township	See O&M Plan
Valentine Estates Basin - 381 Miles Dr	0.009438	<Null>	<Null>	9/10/2019	<Null>	Infiltration pit basin	<Null>	<Null>	8/12/2024	<Null>	Township	See O&M Plan
755 Lantern Lane	0.021726	-75.256531	40.171198	5/23/2016	Y	UGB	<Null>	<Null>	9/6/2023	<Null>	PRIVATE	SEE PABMP section 6.4.6
755 Lantern Lane	0.028242	-75.25692	40.170799	9/9/2016	Y	UGB	<Null>	<Null>	9/6/2023	<Null>	PRIVATE	SEE PABMP section 6.4.6
61 Red Oak Drive	0.024217	-75.256722	40.128589	9/11/2017	Y	Infiltration Bed	<Null>	<Null>	7/1/2024	PAGO2004614010	PRIVATE	SEE PABMP section 6.4.6
1621 Burke Avenue	0.037104	<Null>	<Null>	2/6/2019	N	Seepage Bed	<Null>	<Null>	2/6/2019	<Null>	PRIVATE	SEE PABMP section 6.4.6
1302 Union Mtg--SiteUnderConstruction	0.189066	<Null>	<Null>	<Null>	Y	Bioretention basin	<Null>	<Null>	<Null>	<Null>	PRIVATE	SEE PABMP section 6.4.6
1302 Union Mtg--SiteUnderConstruction	0.131717	<Null>	<Null>	<Null>	Y	underground infiltration basin	<Null>	<Null>	<Null>	<Null>	PRIVATE	SEE PABMP section 6.4.6
398 North Waller Rd-SiteUnderConstruction	0.111693	-75.297091	40.166982	5/24/2019	Y	Underground Storage Facility, MRC	<Null>	8294.2	<Null>	PAC460238	PRIVATE	SEE PABMP section 6.4.6
Valentine Estates Basin - 381 Miles Dr	0.001658	<Null>	<Null>	9/10/2019	N	<Null>	<Null>	<Null>	8/12/2024	<Null>	Township	See O&M Plan
WentzRunParkAreaH	0.080879	<Null>	<Null>	9/10/2019	N	rain garden on top of stone pit	<Null>	<Null>	8/28/2024	<Null>	Township	SEE PABMP section 6.4.5
WentzRunParkAreaA	0.013395	<Null>	<Null>	9/10/2019	N	Infiltration Pit	<Null>	<Null>	8/29/2024	<Null>	Township	SEE PABMP section 6.4.6
WentzRunParkAreaB	0.009668	<Null>	<Null>	9/10/2019	N	bioswale	<Null>	<Null>	8/30/2024	<Null>	Township	See O&M Plan
WentzRunParkAreaC	0.007225	<Null>	<Null>	9/10/2019	N	Infiltration Pit	<Null>	<Null>	8/31/2024	<Null>	Township	SEE PABMP section 6.4.6
WentzRunParkAreaD	0.006512	<Null>	<Null>	9/10/2019	N	plunge pool	<Null>	<Null>	9/1/2024	<Null>	Township	See O&M Plan
WentzRunParkAreaE1	0.29634	<Null>	<Null>	9/10/2019	N	woodland restoration	<Null>	<Null>	9/2/2024	<Null>	Township	See O&M Plan
WentzRunParkAreaE2	0.064334	<Null>	<Null>	9/10/2019	N	woodland restoration	<Null>	<Null>	9/3/2024	<Null>	Township	See O&M Plan
WentzRunParkAreaF	0.070577	<Null>	<Null>	9/10/2019	N	rain garden	<Null>	<Null>	9/4/2024	<Null>	Township	See O&M Plan
WentzRunParkAreaG	0.010233	<Null>	<Null>	9/10/2019	N	bioswale	<Null>	<Null>	9/5/2024	<Null>	Township	See O&M Plan

APPENDIX R

STORM SEWER MAINTENANCE WORKSHEETS

Street Sweeping	2021	2022	2023	2024
Jan.	N/A	0 CY.	0 CY.	0 CY.
Feb.	N/A	0 CY.	0 CY.	0 CY.
Mar.	N/A	0 CY.	31 CY.	57 CY.
Apr.	N/A	48.5 CY.	76 CY.	90 CY.
May	N/A	57 CY.	71 CY.	47 CY.
June	N/A	30.5 CY.	39 CY.	0 CY.
July	25 CY.	N/A	34 CY.	29 CY.
Aug.	32.5 CY.	N/A	52 CY.	19 CY.
Sept.	39.5 CY.	N/A	65 CY.	
Oct.	4.5 CY.	N/A	77 CY.	
Nov.	7 CY.	N/A	17 CY.	
Dec.	0 CY.	N/A	0 CY.	
Totals:	101.5 CY.	136 CY.	462 CY.	242 CY.

Storm Inlet Debris	2021	2022	2023	2024
Jan.	N/A	0 CY.		
Feb.	N/A	0 CY.		
Mar.	N/A	0 CY.		
Apr.	N/A	2.5 CY.		
May	N/A	1 CY.		
June	N/A	1 CY.		
July	5 CY.	N/A		
Aug.	3.5 CY.	N/A		
Sept.	2 CY.	N/A		
Oct.	0 CY.	N/A		
Nov.	0 CY.	N/A		
Dec.	CY.	N/A		
Totals:	10.5 CY.	4.5 CY.		

Work Order Attribute Report

Total: 54



ID #	Type	Status	N/A	N/A	Completed Dat	Cost
MM-2023-1	MS4 Maintenance	Completed			9/26/2023	\$0.00
Maintenance 1						
Maintenance Location 1: Township Municipal Complex						
Result 1: Complete						
MI-2023-3	MS4 Inspections	Completed			9/26/2023	\$0.00
Inspection 1						
Inspection Location 1: Township Municipal Complex						
Results 1: Pass						
Inspection 2						
Inspection Location 2: Township Municipal Complex						
Results 2: Pass						
MM-2023-2	MS4 Maintenance	Completed			9/7/2023	\$838.72
Maintenance 1						
Maintenance Location 1: Sweep Parking Lots and Staging Areas						
Maintenance Notes 1: Sweep and clean parking lots with T-7.						
MI-2023-3	MS4 Maintenance	Completed			10/19/2023	\$838.72
Maintenance 1						
Maintenance Location 1: Cook Tract Public Works Facility						
Result 1: Complete						
MI-2023-4	MS4 Inspections	Completed			11/1/2023	\$423.36
Inspection 1						
Inspection Location 1: Township Municipal Complex						
Results 1: Pass						
MI-2023-4	MS4 Maintenance	Completed			11/1/2023	\$0.00
Maintenance 1						
Maintenance Location 1: Township Municipal Complex						
Result 1: Complete						
MI-2023-5	MS4 Inspections	Completed			11/1/2023	\$415.36

Work Order Attribute Report

Total: 54



ID #	Type	Status	N/A	N/A	Completed	Dat	Cost
Inspection 1							
Inspection Location 1: Township Municipal Complex							
Results 1: Pass							
MS4 Maintenance							
Inspection Note 1: N/A brine generator is no longer used.							
11/1/2023							
Maintenance 1							
Maintenance Location 1: Township Municipal Complex							
Result 1: Complete							
MS4 Inspections Completed							
Inspection Note 1: Clean Oil/Water Separator System was in very good shape when opened in October and needed no further service.							
11/27/2023							
Inspection 1							
Inspection Location 1: Township Municipal Complex							
Results 1: Pass							
MS4 Maintenance							
Inspection Note 1: Check Inlets for Sediment Build-up MS-4 Inspection all clear small amount of fall leave buildup that was remove with parks leaf vacuum.							
11/27/2023							
Maintenance 1							
Maintenance Location 1: Township Municipal Complex							
Result 1: Complete							
Maintenance Notes 1: Sweep Parking Lots and Staging Areas Street sweeping of parking lot and inlets and vacuumed with parks leave vac.							
Maintenance 2							
Maintenance Location 2: Township Municipal Complex							
Result 2: Complete							
MS4 Maintenance							
Inspection Note 1: Clean Storm Sewer Inlets Vacuum and clean storm sewer inlets. Used T-7 street sweeper and Parks leaf equipment.							
11/27/2023							
Maintenance 1							
Maintenance Location 1: Cook Tract Public Works Facility							
Maintenance Notes 1: Area was cleaned buy T-7 street sweeper..							
MS4 Maintenance							
Inspection Note 1: Remove Built-up Sediment Area was in good and clean with little to no accumulation.							
11/27/2023							
Maintenance 1							
Maintenance Location 1: Cook Tract Public Works Facility							
Result 1: Complete							

Work Order Attribute Report

Total: 54



ID #	Type	Status	N/A	N/A	Completed Dat	Cost
MI-2023-7	MS4 Inspections	Completed			11/27/2023	\$423.36
Inspection 1						
Inspection Location 1: Jolly Road Woodchip Bin						
Results 1: Pass						
Inspection 2						
Inspection Location 2: Jolly Road Woodchip Bin						
Results 2: Pass						
MM-2023-9						
MS4 Maintenance						
Completed						
Maintenance 1						
Maintenance Location 1: Jolly Road Woodchip Bin						
Result 1: Complete						
MI-2023-8						
MS4 Inspections						
Completed						
Inspection 1						
Inspection Location 1: Cook Tract Public Works Facility						
Results 1: Fail						
Inspection 2						
Inspection Location 2: Prophecy Creek Barn						
Results 2: Pass						
Inspection 3						
Inspection Location 3: Prophecy Creek Barn						
Results 3: Pass						
MI-2023-9						
MS4 Inspections						
Completed						
Inspection 1						
Inspection Location 1: Prophecy Creek Barn						
Results 1: Pass						
MI-2023-10						
MS4 Inspections						
Completed						
Inspection 1: Spill Cleanup Kits / Procedures						
Inspection Note 1: Spill kit and procedures in place.						
12/21/2023						
\$423.36						

Work Order Attribute Report

Total: 54



ID #	Type	Status	N/A	N/A	Completed Dat	Cost
Inspection 1						
	Inspection Location 1: Prophecy Creek Barn					
	Results 1: Pass					
	MS4	Completed				
	Maintenance					
					12/21/2023	\$423.36
Maintenance 1						
	Maintenance Location 1: Prophecy Creek Barn					
	Result 1: Complete					
	MS4 Inspections Completed					
					12/26/2023	\$0.00
Inspection 1						
	Inspection Location 1: Pump Station - Township Line Road					
	Results 1: Pass					
Inspection 2						
	Inspection Location 2: Pump Station - Mermaid Run					
	Results 2: Pass					
Inspection 3						
	Inspection Location 3: Pump Station - Beale Road					
	Results 3: Pass					
	Add 4th Inspection?: Yes					
Inspection 4						
	Inspection Location 4: Pump Station - North Wales					
	Results 4: Pass					
Inspection 5						
	Inspection Location 5: Pump Station - Devonshires					
	Results 5: Pass					
Inspection 6						
	Inspection Location 6: Pump Station - Township Line Road North					
	Results 6: Pass					
Inspection 7						
	Inspection Location 7: Pump Station - Addison Reserve					
	Results 7: Pass					
	MS4 Inspections Completed					
					12/26/2023	\$0.00

Work Order Attribute Report

Total: 54



ID #	Type	Status	N/A	N/A	Completed	Dat	Cost
Inspection 1							
Inspection Location 1: Pump Station - Township Line Road							
Results 1: Pass							
Inspection 2							
Inspection Location 2: Pump Station - Mermaid Run							
Results 2: Pass							
Inspection 3							
Inspection Location 3: Pump Station - Township Line Road North							
Results 3: Pass							
MS4 Maintenance Completed							
12/26/2023							
\$0.00							

Work Order Attribute Report

Total: 54



ID #	Type	Status	N/A	N/A	Completed	Dat	Cost
Maintenance 1							
Maintenance Location 1: Pump Station - Township Line Road							
Result 1: Complete							
Maintenance 1: Reseed Unstabilized Areas							
Maintenance Notes 1: No work was needed area was in passing condition.							
Maintenance 2							
Maintenance Location 2: Pump Station - Mermaid Run							
Result 2: Complete							
Maintenance 2: Reseed Unstabilized Areas							
Maintenance Notes 2: Area of pump station is in good condon no work needed.							
Maintenance 3							
Maintenance Location 3: Pump Station - Beale Road							
Result 3: Complete							
Maintenance 3: Reseed Unstabilized Areas							
Maintenance Notes 3: Pump station needed no work done to pass inspection.							
Maintenance 4							
Maintenance Location 4: Pump Station - North Wales							
Result 4: Complete							
Maintenance 4: Reseed Unstabilized Areas							
Maintenance Notes 4: Pump station needed no seeding and was in passing condon.							
Maintenance 5							
Maintenance Location 5: Pump Station - Devonshires							
Result 5: Complete							
Maintenance 5: Reseed Unstabilized Areas							
Maintenance Notes 5: Pump station is in good condon and needs no seeding work.							
Maintenance 6							
Maintenance Location 6: Pump Station - Township Line Road North							
Result 6: Complete							
Maintenance 6: Reseed Unstabilized Areas							
Maintenance Notes 6: Pump station is in good condon and needs no seeding.							
Maintenance 7							
Maintenance Location 7: Pump Station - Addison Reserve							
Result 7: Complete							
MS4 Inspections Completed							
1/31/2024							
\$423.36							
Inspection 1							
Inspection Location 1: Township Municipal Complex							
Results 1: Pass							
MS4 Maintenance Completed							
1/31/2024							
\$1,270.08							

Work Order Attribute Report

Total: 54



ID #	Type	Status	N/A	N/A	Completed Dat	Cost
Maintenance 1						
Maintenance Location 1: Jolly Road Woodchip Bin						
Result 1: Complete						
MI-2024-2	MS4 Inspections	Completed			2/29/2024	\$0.00
Inspection 1						
Inspection Location 1: Township Municipal Complex						
Results 1: Pass						
MI-2024-3	MS4 Inspections	Completed			1/31/2024	\$423.36
Inspection 1						
Inspection Location 1: Township Municipal Complex						
Results 1: Pass						
MI-2024-4	MS4 Inspections	Completed			2/29/2024	\$423.36
Inspection 1						
Inspection Location 1: Township Municipal Complex						
Results 1: Pass						
MM-2024-3	MS4 Maintenance	Completed			2/29/2024	\$1,334.08
Maintenance 1						
Maintenance Location 1: Jolly Road Woodchip Bin						
Result 1: Complete						
MM-2024-4	MS4 Maintenance	Completed			3/28/2024	\$0.00
Maintenance 1						
Maintenance Location 1: Jolly Road Woodchip Bin						
Result 1: Complete						
MI-2024-5	MS4 Inspections	Completed			3/28/2024	\$423.36
Inspection 1						
Inspection Location 1: Township Municipal Complex						
Results 1: Pass						

Work Order Attribute Report

Total: 54



ID #	Type	Status	N/A	N/A	Completed Dat	Cost
MI-2024-7	MS4 Inspections	Completed			3/28/2024	\$415.36
Inspection 1						
Inspection Location 1: Township Municipal Complex						
Results 1: Pass						
MI-2024-5	MS4 Maintenance	Completed			3/28/2024	\$838.72
Maintenance 1						
Maintenance Location 1: Township Municipal Complex						
Result 1: Complete						
MI-2024-8	MS4 Inspections	Completed			3/28/2024	\$423.36
Inspection 1						
Inspection Location 1: Cook Tract Public Works Facility						
Results 1: Pass						
MI-2024-6	MS4 Maintenance	Completed			3/28/2024	\$1,262.08
Maintenance 1						
Maintenance Location 1: Township Municipal Complex						
Result 1: Complete						
MI-2024-9	MS4 Inspections	Completed			4/29/2024	\$423.36
Inspection 1						
Inspection Location 1: Township Municipal Complex						
Results 1: Pass						
MI-2024-10	MS4 Inspections	Completed			4/29/2024	\$423.36
Inspection 1						
Inspection Location 1: Cook Tract Public Works Facility						
Results 1: Pass						
MI-2024-11	MS4 Inspections	Completed			4/29/2024	\$423.36

Work Order Attribute Report

Total: 54



ID #	Type	Status	N/A	N/A	Completed Dat	Cost
Inspection 1						
Inspection Location 1: Cook Tract Public Works Facility						
Inspection Note 1: Area of inspection was in good condition and was stable.						
MM-2024-Z	MS4 Maintenance	Completed			4/29/2024	\$423.36
Maintenance 1						
Maintenance Location 1: Cook Tract Public Works Facility						
Result 1: Complete						
MI-2024-12	MS4 Inspections	Completed			4/29/2024	\$423.36
Inspection 1						
Inspection Location 1: Jolly Road Woodchip Bin						
Results 1: Pass						
MM-2024-8	MS4 Maintenance	Completed			4/29/2024	\$846.72
Maintenance 1						
Maintenance Location 1: Jolly Road Woodchip Bin						
Result 1: Complete						
MI-2024-13	MS4 Inspections	Completed			4/29/2024	\$423.36

Work Order Attribute Report

Total: 54



ID #	Type	Status	N/A	N/A	Completed	Dat	Cost
Inspection 1							
Inspection Location 1: Pump Station - Township Line Road							
Results 1: Pass							
Inspection 1: Check Channels/Swales for Trash, Vegetation and E&S							
Inspection Note 1: Station was in good condition after small amount of trash picked up close to roadway.							
Inspection 2							
Inspection Location 2: Pump Station - Mermaid Run							
Results 2: Pass							
Inspection 2: Check Channels/Swales for Trash, Vegetation and E&S							
Inspection Note 2: This station was clear and passed inspection.							
Inspection 3							
Inspection Location 3: Pump Station - Beale Road							
Results 3: Pass							
Add 4th Inspection?: Yes							
Inspection 4							
Inspection Location 4: Pump Station - North Wales							
Results 4: Pass							
Inspection 4: Check Channels/Swales for Trash, Vegetation and E&S							
Inspection Note 4: Area was in good passing condition.							
Inspection 5							
Inspection Location 5: Pump Station - Township Line Road North							
Results 5: Pass							
Inspection 5: Check Channels/Swales for Trash, Vegetation and E&S							
Inspection Note 5: Station was clear and in a good state of service.							
Inspection 6							
Inspection Location 6: Pump Station - Township Line Road North							
Results 6: Pass							
Inspection 6: Check Channels/Swales for Trash, Vegetation and E&S							
Inspection Note 6: Station was clear of trash vegetation and E&S.							
Inspection 7							
Inspection Location 7: Pump Station - Addison Reserve							
Results 7: Pass							
MS4 Inspections Completed							
Inspection 7: Check Channels/Swales for Trash, Vegetation and E&S							
Inspection Note 7: Station was in a clean and stable condition.							
MI-2024-14							
4/29/2024							
\$423.36							

Work Order Attribute Report

Total: 54



ID #	Type	Status	N/A	N/A	Completed	Dat	Cost
Inspection 1	Inspection Location 1: Pump Station - Township Line Road Results 1: Pass						
Inspection 2	Inspection Location 2: Pump Station - Mermaid Run Results 2: Pass						
Inspection 3	Inspection Location 3: Pump Station - Beale Road Results 3: Pass Add 4th Inspection?: Yes						
Inspection 4	Inspection Location 4: Pump Station - North Wales Results 4: Pass						
Inspection 5	Inspection Location 5: Pump Station - Devonshires Results 5: Pass						
Inspection 6	Inspection Location 6: Pump Station - Township Line Road North Results 6: Pass						
Inspection 7	Inspection Location 7: Pump Station - Addison Reserve Results 7: Pass MS4 Inspections Completed						\$1,286.08
MI-2024-15							
Inspection 1	Inspection Location 1: Prophecy Creek Barn Results 1: Pass						
Inspection 2	Inspection Location 2: Prophecy Creek Barn Results 2: Pass MS4 Inspections Completed						\$423.36
MI-2024-19							

Work Order Attribute Report

Total: 54



ID #	Type	Status	N/A	N/A	Completed Dat	Cost
Inspection 1						
Inspection Location 1: Township Municipal Complex						
Results 1: Pass						
MM-2024-9	MS4 Maintenance	Completed			5/29/2024	\$854.72
Maintenance 1						
Maintenance Location 1: Jolly Road Woodchip Bin						
Result 1: Complete						
MI-2024-20	MS4 Inspections	Completed			6/26/2024	\$423.36
Inspection 1						
Inspection Location 1: Township Municipal Complex						
Results 1: Pass						
MI-2024-21	MS4 Inspections	Completed			6/26/2024	\$423.36
Inspection 1						
Inspection Location 1: Township Municipal Complex						
Results 1: Pass						
MM-2024-12	MS4 Maintenance	Completed			6/25/2024	\$846.72
Maintenance 1						
Maintenance Location 1: Township Municipal Complex						
Result 1: Complete						
MI-2024-22	MS4 Inspections	Completed			6/26/2024	\$423.36
Inspection 1						
Inspection Location 1: Cook Tract Public Works Facility						
Results 1: Pass						
MI-2024-23	MS4 Inspections	Completed			6/26/2024	\$423.36
Inspection 1						
Inspection Location 1: Cook Tract Public Works Facility						
Results 1: Pass						
MI-2024-24	MS4 Inspections	Completed			6/26/2024	\$423.36
Inspection 1						
Inspection Location 1: Prophecy Creek Barn						
Results 1: Pass						
Inspection 1: Check Parking Areas for Evidence of Fluid Leaks						
Inspection Note 1: Area was clear an no new leaks found.						

Work Order Attribute Report

Total: 54



ID #	Type	Status	N/A	N/A	Completed Dat	Cost
MM-2024-13	MS4 Maintenance	Completed			6/26/2024	\$1,302.08
Maintenance 1						
Maintenance Location 1: Prophecy Creek Barn						
Result 1: Complete						
MM-2024-14	MS4 Maintenance	Completed			6/26/2024	\$862.72
Maintenance 1						
Maintenance Location 1: Jolly Road Woodchip Bin						
Result 1: Complete						
MI-2024-25	MS4 Inspections	Completed			6/26/2024	\$423.36
Inspection 1						
Inspection Location 1: Pump Station - Township Line Road						
Results 1: Pass						
Inspection 2						
Inspection Location 2: Pump Station - Mermaid Run						
Results 2: Pass						
Inspection 3						
Inspection Location 3: Pump Station - Township Line Road North						
Results 3: Pass						
MM-2024-15	MS4 Maintenance	Completed			6/26/2024	\$423.36

Work Order Attribute Report

Total: 54



ID #	Type	Status	N/A	N/A	Completed Dat	Cost
Maintenance 1						
Maintenance Location 1: Pump Station - Township Line Road						
Result 1: Complete						
Maintenance 1: Reseed Unstabilized Areas						
Maintenance Notes 1: Area is in a good state of repair and no work was needed.						
Maintenance 2						
Maintenance Location 2: Pump Station - Mermaid Run						
Result 2: Complete						
Maintenance 2: Reseed Unstabilized Areas						
Maintenance Notes 2: Station was in good condition with no repair needed.						
Maintenance 3						
Maintenance Location 3: Pump Station - Beale Road						
Result 3: Complete						
Maintenance 3: Reseed Unstabilized Areas						
Maintenance Notes 3: Station was Stabil.						
Maintenance 4						
Maintenance Location 4: Pump Station - North Wales						
Result 4: Complete						
Maintenance 4: Reseed Unstabilized Areas						
Maintenance Notes 4: Station was in Stabil condition.						
Maintenance 5						
Maintenance Location 5: Pump Station - Devonshires						
Result 5: Complete						
Maintenance 5: Reseed Unstabilized Areas						
Maintenance Notes 5: Station needed no work done.						
Maintenance 6						
Maintenance Location 6: Pump Station - Township Line Road North						
Result 6: Complete						
Maintenance 6: Reseed Unstabilized Areas						
Maintenance Notes 6: Station needed no service at this time.						
Maintenance 7						
Maintenance Location 7: Pump Station - Addison Reserve						
Result 7: Complete						
Maintenance 7: Reseed Unstabilized Areas						
Maintenance Notes 7: Addison station was in good state of repair.						
Total: \$28029.76						