

AGENDA
MONTGOMERY TOWNSHIP
BOARD OF SUPERVISORS
SEPTEMBER 11, 2017

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Robert J. Birch
Candyce Fluehr Chimera
Michael J. Fox
Jeffrey W. McDonnell
Richard E. Miniscalco

Lawrence J. Gregan
Township Manager

ACTION MEETING – 8:00 PM

1. Call to Order by Chairman
2. Pledge of Allegiance
3. Public Comment
4. Announcement of Executive Session
5. Consider Approval of Minutes of August 28, 2017 Meeting
6. Consider Contribution to American Red Cross for Hurricane Disaster Relief Efforts
7. Recognize Police Department Reaccreditation
8. Consider Approval of Submission of 2017/2018 DUI Enforcement Program Grant Application
9. Consider Extension of PA Aggressive Driving & Buckle Up Enforcement Grants
10. Consider Authorization to Submit Notice of Intent for MS4 Permit
11. Autumn Festival Update
12. Consider Transfer of Funds to Autumn Festival Committee
13. Consider Authorization to Advertise 2018 Budget Workshop Meetings
14. Consider Approval of Escrow Release #2 and Start of Maintenance – 118 Rosewood Dr.
LDS# 680
15. Consider Payment of Bills
16. Other Business
17. Adjournment

Future Public Hearings/Meetings:

09-13-2017 @ 5:30pm – Autumn Festival Committee (MontCRC)
09-13-2017 @ 6:30pm – CRC Advisory Committee (MontCRC)
09-13-2017 @ 7:30pm – Park and Recreation Board (MontCRC)
09-18-2017 @ 7:00pm – Finance Committee
09-19-2017 @ 12:30pm – Business Development Partnership
09-20-2017 @ 6:00pm – Municipal Sewer Authority Board
09-20-2017 @ 7:30pm – Shade Tree Commission
09-20-2017 @ 7:30pm – Public Safety Committee
09-21-2017 @ 7:30pm – Planning Commission
09-25-2017 @ 8:00pm – Board of Supervisors

MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS
BOARD ACTION SUMMARY

SUBJECT: Public Comment

MEETING DATE: September 11, 2017

ITEM NUMBER: #3

MEETING/AGENDA: WORK SESSION

ACTION XX

NONE

REASON FOR CONSIDERATION: Operational: XX Information: Discussion: Policy:

INITIATED BY: Lawrence J. Gregan
Township Manager

BOARD LIAISON: Candyce Fluehr Chimera,
Chairman of the Board of Supervisors

BACKGROUND:

The Chairman needs to remind all individual(s) making a comment that they need to identify themselves by name and address for public record.

The Chairman needs to remind the public about the policy of recording devices. The individual(s) needs to request permission to record the meeting from the Chairman and needs to identify themselves, by name and address for public record.

ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

PREVIOUS BOARD ACTION:

None.

ALTERNATIVES/OPTIONS:

None.

BUDGET IMPACT:

None.

RECOMMENDATION:

None.

MOTION/RESOLUTION:

None.

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MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS
BOARD ACTION SUMMARY

SUBJECT: Announcement of Executive Session

MEETING DATE: September 11, 2017

ITEM NUMBER: #4

MEETING/AGENDA: WORK SESSION

ACTION XX

NONE

REASON FOR CONSIDERATION: Operational: XX Information: Discussion: Policy:

INITIATED BY: Lawrence J. Gregan
Township Manager

BOARD LIAISON: Candyce Fluehr Chimera,
Chairman of the Board of Supervisors

BACKGROUND:

Frank Bartle will announce that the Board of Supervisors met in Executive Session and will summarize the matters discussed.

ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

PREVIOUS BOARD ACTION:

None.

ALTERNATIVES/OPTIONS:

None.

BUDGET IMPACT:

None.

RECOMMENDATION:

None.

MOTION/RESOLUTION:

None.

DISTRIBUTION: Board of Supervisors, Frank R. Bartle, Esq.

MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS
BOARD ACTION SUMMARY

SUBJECT: Consider Approval of Minutes for August 28, 2017

MEETING DATE: September 11, 2017 ITEM NUMBER: #5

MEETING/AGENDA: WORK SESSION ACTION XX NONE

REASON FOR CONSIDERATION: Operational: XX Information: Discussion: Policy:

INITIATED BY: Lawrence J. Gregan BOARD LIAISON: Candyce Fluehr Chimera,
Township Manager Chairman of the Board of Supervisors

BACKGROUND:

Please contact Deb Rivas on Monday, September 11, 2017 before noon with any changes to the minutes.

ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

PREVIOUS BOARD ACTION:

None.

ALTERNATIVES/OPTIONS:

None.

BUDGET IMPACT:

None.

RECOMMENDATION:

None.

MOTION/RESOLUTION:

None.

DISTRIBUTION: Board of Supervisors, Frank R. Bartle, Esq.

**MINUTES OF MEETING
MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS
AUGUST 28, 2017**

At 7:00 p.m. Chairman Candyce Fluehr Chimera called to order an executive session. In attendance were Vice Chairman Robert J. Birch, Supervisors Michael J. Fox, Jeffrey W. McDonnell and Richard E. Miniscalco. Also in attendance were Township Manager Lawrence Gregan, Township Solicitor Frank R. Bartle, Esquire, Ryan Cassidy, Esquire, Scott Blissman, Esquire, Police Chief Scott Bendig, Director of Administration and Human Resources Ann Shade and Director of Finance Ami Tarburton.

Chairman Candyce Fluehr Chimera called the action meeting to order at 8:03 p.m. In attendance were Vice Chairman Robert J. Birch, Supervisors Michael J. Fox, Jeffrey W. McDonnell and Richard E. Miniscalco. Also in attendance were Township Solicitor Frank R. Bartle, Esquire, Township Manager Lawrence Gregan, Police Chief Scott Bendig, Director of Finance Ami Tarburton, Director of Administration and Human Resources Ann Shade, Assistant to the Township Manager Stacy Crandell, Director of Planning Bruce Shoupe, Director of Public Works Kevin Costello, Director of Recreation and Community Center Floyd Shaffer, Director of Information Technology Richard Grier and Recording Secretary Deborah Rivas.

Following the Pledge of Allegiance, Chairman Candyce Fluehr Chimera called for public comment from the audience.

Under public comment, Wendell Beres of Montgomery United Soccer Club (MonU) stated that he wanted to thank Supervisor Robert Birch for listening and Chairman Candyce Fluehr Chimera for agreeing to sit down and discuss MonU's concerns about the conditions of the soccer fields at Windlestrae Park. Mr. Beres also stated that there has been a dispute in the past about whether or not the relationship between Montgomery Soccer and Montgomery Township is in the best of shape and he hoped that this matter is a small step towards making that relationship substantially better going forward.

Solicitor Frank R. Bartle, Esquire announced that the Board had met in an Executive Session prior to this meeting to discuss various matters. The Board discussed two labor matters, one involving the Police Department and one involving the Fire Services Department. One matter of personnel involving the police and one matter of potential litigation regarding the Cutler Group. Mr. Bartle stated that these matters are legitimate subjects of executive session pursuant to Pennsylvania's Sunshine Law.

Chairman Candyce Fluehr Chimera made a motion to approve the minutes of the August 14, 2017 Board of Supervisors meeting, and Supervisor Michael J. Fox seconded the motion. The minutes of the meeting were unanimously approved as submitted.

Assistant to the Township Manager Stacy Crandell reported that in preparation of the Notice of Intent (NOI) for the Township's new NPDES MS4 Permit, the Township will be accepting public comment at this meeting for the "NPDES Stormwater Discharges from the MS4 Pollutant Reduction Plan" (PRP) for the Township. The PRP outlines the measures the Township intends to implement to reduce certain pollutants discharged from the Township storm sewer system (MS4). There was no public comment presented at the meeting. Ms. Crandell indicated that Township Engineer Jim Dougherty will be present at the September 11, 2017 Board meeting to review the Notice of Intent and obtain the Board's approval to file it.

Township Manager Lawrence J. Gregan reported that the Township had a meeting in the past week with Mr. Beres of Montgomery United Soccer Club, and as part of that meeting the Township was presented with a proposal from the club to consider hiring an athletic field maintenance contractor to perform some field improvements and maintenance on the Kenas 1 and Kenas 2 soccer fields at Windlestrae Park. The work would involve various activities between now and the end of the season and would include spraying weed control agents, application of fertilizer, slit seeding, and over seeding of the areas. As part of the proposal, the soccer club has offered to pay for the cost of mowing the fields in exchange for the Township agreeing to pay for the cost of the improved maintenance work on the fields. The Township

staff did meet today with Chris McCardell of Windview Athletic Fields and reviewed his proposal and the steps that the Township has taken with regards to field maintenance. Chairman Candyce Fluehr Chimera said that Mr. McCardell agreed with everything our Public Works crew has been doing and he offered a few other things to add to our program. After an onsite visit to the fields, Mr. McCardell did mention his concerns regarding the impact of overuse of the fields. Chairman Candyce Fluehr Chimera recommended that if the Township is going to pay for the program and Mr. McCardell comes back to us saying that something additional needs to be done because of overuse, any additional work should be paid for by the soccer club. Vice Chairman Robert Birch stated that the Township's goal should always be to put the best product out there, whether it is a baseball diamond, basketball court or a soccer field for our residents. Resolution #1 made by Vice Chairman Robert J. Birch, seconded by Supervisor Richard E. Miniscalco and adopted unanimously, accepted the proposal submitted by Windview Athletic Fields of West Chester PA to perform field improvements/maintenance work on the Kenas 1 and Kenas 2 soccer fields in accordance with the proposal submitted on August 28, 2017 in the amount of \$13,312.50.

Director of Planning and Zoning Bruce S. Shoupe reported that The Cutler Group, developer of the Montgomery Walk Subdivision Phase IIA and the Montgomery Knoll Phase 1A Subdivisions is required to post security in the form of Letters of Credit (LOC's) to guarantee the completion of public improvements required for these two subdivisions. The current LOC's posted for these two phases are both scheduled to expire within the next several weeks. Notice has been provided to the Cutler Group to provide extensions of these LOC's. Pending receipt of appropriate LOC extensions, it is requested that the Board of Supervisors authorize the Township Solicitor and staff to take appropriate actions to call these two LOC's prior to their expiration. The funds received would be deposited into the Township's Escrow Account to be held for the completion of the required public improvements for these two development phases.

Resolution #2 made by Vice Chairman Robert J. Birch, seconded by Chairman Candyce Fluehr Chimera and adopted unanimously, authorized the Township Solicitor and staff to take appropriate actions, pending receipt of appropriate Letter of Credit extensions, to call the following Letters of Credit prior to their expiration: Wells Fargo Bank Letter of Credit #SM237840W – in the amount of \$67,003.40 for LDS 627R – Cutler Group Montgomery Walk Phase II A with expiration date of September 17, 2017; and Wells Fargo Bank Letter of Credit #SM237962W – in the amount of \$179,450.90 for LDS 653 – Cutler Group Montgomery Knoll Phase I A with expiration date of October 6, 2017.

Director of Planning and Zoning Bruce Shoupe reported that staff is requesting authorization to submit an application to PennDOT to upgrade the traffic signal at Doylestown Road and Montgomery Glen Drive as provided for under the land development approval for LDS 690 - Montgomery Retirement Residence LLC. Approval and execution of the following documents is required to obtain approval for the signal by PennDOT and authorize the installation of the signal equipment:

- a. Resolution approving the TE-160 Form and approval resolution for the updated traffic signal plan – Doylestown Road & Montgomery Glen Drive.
- b. Access easement between 202 Market Place and Montgomery Township for the new traffic signal standard on the southeast corner of the above intersection.
- c. Access easement between Montgomery Retirement Residence and Montgomery Township for the new traffic signal standard on the northwest corner of the above intersection.
- d. Authorization for Agent – Highway Occupancy Permit (HOP) – Doylestown Road permitting McMahan Association to submit the HOP on behalf of Montgomery Township.

- e. Indemnification Agreement – Montgomery Retirement Residence LLC & Montgomery Township – HOP concerning Subsurface Stormwater Management Facilities in the PennDOT right-of-way.

Resolution #3 made by Chairman Candyce Fluehr Chimera, seconded by Vice Chairman Robert J. Birch and adopted unanimously, approved the required documents for the installation and upgrades to the traffic signal at the intersection of Doylestown Road and Montgomery Glen Drive.

Director of Planning and Zoning Bruce Shoupe reported that a change has been proposed to the Township's Act 537 plan for land development plan LDS 692 - Christian Brothers Automotive, 565 DeKalb Pike. The Montgomery Township Municipal Sewer Authority is responsible for the implementation of this plan and a planning module must be submitted to PA DEP. The Montgomery Township Municipal Sewer Authority has approved the planning module and has requested approval of this document. Resolution #4 made by Supervisor Michael J. Fox, seconded by Vice Chairman Robert J. Birch and adopted unanimously, approved the sewer planning module for Land Development Plan LDS 692 – Christian Brothers Automotive, 565 DeKalb Pike.

Director of Planning and Zoning Bruce Shoupe reported that as a condition of the Preliminary/Final Land Development approval of LDS 692 - Christian Brothers Automotive, the developer is required to construct subsurface piping within a portion of the Commonwealth of Pennsylvania's highway public right-of-way (ROW) for DeKalb Pike. The piping is for storm water management in connection with the development of the property. Resolution #5 may by Chairman Candyce Fluehr Chimera, seconded by Supervisor Michael J. Fox and adopted unanimously, approved the Storm Water Management Facilities Indemnity Agreement for LDS 692 - Christian Brothers Automotive located at 565 DeKalb Pike.

A motion to approve the payment of bills was made by Chairman Candyce Fluehr Chimera, seconded by Supervisor Michael J. Fox, and adopted unanimously, approving the payment of bills as submitted.

Under other business, Vice Chairman Robert J. Birch reported that in speaking with many of the residents of the Neshaminy Falls development, it has become evident to him that due to the increase in Montgomery County taxes, many residents are struggling to pay their real estate taxes. Mr. Birch suggested that the Board of Supervisors make a motion to consider increasing the amount of the homestead exemption by another \$5,000 in the budget discussions for 2018. Mr. Birch reported that he was told by the Township Real Estate Tax Collector that the approximate revenue loss to the Township could be about \$50,000, but that in light of the large surplus the Township ended with in 2016, it is a miniscule amount compared to what can be given back to the residents. Vice Chairman Robert J. Birch made a motion, seconded by Chairman Candyce Fluehr Chimera and adopted unanimously, that the Board consider increasing the homestead exemption by \$5,000 in the 2018 budgetary process.

There being no further business to come before the Board, the meeting adjourned at 8:26 p.m.

MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS
BOARD ACTION SUMMARY

SUBJECT: Recognize Police Department Reaccreditation

MEETING DATE: September 11, 2017

ITEM NUMBER: #7

MEETING/AGENDA: WORK SESSION

ACTION **XX**

NONE

REASON FOR CONSIDERATION: Operational: **XX**

Policy:

Discussion:

Information:

INITIATED BY: J. Scott Bendig
Chief of Police

BOARD LIAISON: Candyce Fluehr Chimera
Chairman



BACKGROUND:

In July of 2001, The Pennsylvania Chiefs of Police Association introduced the Pennsylvania Law Enforcement Accreditation Program. This Program was designed and developed to provide a strategy for the continued professionalization of law enforcement agencies within our Commonwealth. The accreditation process involves the development and incorporation of best police practices and procedures in over three hundred identifiable benchmarks targeted to improve department performance.

In 2004, the Montgomery Township Police Department became the eighteenth police department in Pennsylvania to be accredited under the Accreditation Program. Since achieving accreditation in 2004, the Police Department has undergone reaccreditation in 2007, 2011, and 2014. On January 12 and January 13, 2017, assessors from the Accreditation Program performed an on-site reaccreditation assessment of the Police Department. On March 31, 2017, The Montgomery Township Police Department was reaccredited by the Pennsylvania Law Enforcement Accreditation Commission.

This evening, Upper Southampton Township Police Chief Ron MacPherson is here to present the Certificate of Law Enforcement Accreditation to the Township. Chief MacPherson serves as a member of the Pennsylvania Law Enforcement Accreditation Commission.

ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

PREVIOUS BOARD ACTION:

None.

ALTERNATIVES/OPTIONS:

None.

BUDGET IMPACT:

None.

RECOMMENDATION:

It is recommended the Board of Supervisors recognize the re-accreditation of the Police Department.

MOTION/RESOLUTION:

BE IT RESOLVED by the Board of Supervisors of Montgomery Township that we recognize the re-accreditation of the Montgomery Township Police Department under the Pennsylvania Chiefs of Police Association Law Enforcement Accreditation Program.

MOTION: _____ SECOND: _____

ROLL CALL:

Robert J. Birch	Aye	Opposed	Abstain	Absent
Michael J. Fox	Aye	Opposed	Abstain	Absent
Jeffrey W. McDonnell	Aye	Opposed	Abstain	Absent
Richard E. Miniscalco	Aye	Opposed	Abstain	Absent
Candyce Fluehr Chimera	Aye	Opposed	Abstain	Absent

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MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS
BOARD ACTION SUMMARY

SUBJECT: Consider Approval of 2017/2018 DUI Enforcement Program Grant Application

MEETING DATE: September 11, 2017 ITEM NUMBER: # 8

MEETING/AGENDA: WORK SESSION ACTION XX NONE

REASON FOR CONSIDERATION: Operational: XX Information: Discussion: Policy:

INITIATED BY: J. Scott Bendig
Chief of Police

BOARD LIAISON: Candyce Fluehr Chimera
Chairman, Board of Supervisors



BACKGROUND:

The attached Grant application to the Pennsylvania Department of Transportation has been prepared by Highway Safety Officer David Dunlap on behalf of the Montgomery Township Regional DUI Enforcement Team. The Team was established in 1993 to combat the serious problem of drivers operating vehicles while impaired due to alcohol or drugs and removing those drivers from the highways.

Montgomery Township serves as the administrator for this multi-jurisdictional program involving Police Departments from Montgomery and Bucks Counties. The grant funds are used to support sobriety checkpoint operations and roving DUI patrols.

The Task Force has received grants to support the DUI enforcement program for the past several years. The grant amount requested is \$50,000.00 and will provide funding for the purchase of equipment and payment of overtime for enforcement activities.

ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

PREVIOUS BOARD ACTION:

None.

ALTERNATIVES/OPTIONS:

None.

BUDGET IMPACT:

None.

RECOMMENDATION:

Approve the request to submit the 2017/2018 DUI Grant application.

MOTION/RESOLUTION:

BE IT RESOLVED by the Board of Supervisors of Montgomery Township that we hereby approve the submission of the 2017/2018 DUI Grant on behalf of the Montgomery Township Regional DUI Enforcement Team in the amount of \$50,000.00.

MOTION: _____ SECOND: _____

ROLL CALL:

Robert J. Birch	Aye	Opposed	Abstain	Absent
Michael J. Fox	Aye	Opposed	Abstain	Absent
Jeffrey W. McDonnell	Aye	Opposed	Abstain	Absent
Richard E. Miniscalco	Aye	Opposed	Abstain	Absent
Candyce Fluehr Chimera	Aye	Opposed	Abstain	Absent

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COVER PAGE

Applicant Agency MONTGOMERY TOWNSHIP (46211)

Project Title

The Montgomery Township Regional DUI Enforcement Team was established in 1993, to combat the serious problem of impaired driving and removing those drivers impaired by alcohol or drugs from the highways.

A multi-jurisdictional enforcement team consisting of police departments from Montgomery and Bucks Counties was then formed, with sustained enforcement operations then including sobriety checkpoints, roving DUI patrols, Cops in Shops underage drinking enforcement, and mobile DUI awareness patrols.

In the twenty four years of its existence, the Montgomery Township Regional DUI Enforcement Team has contacted over 67,000 motorists, and has made thousands of arrests for driving under the influence of alcohol and/or drugs. By removing these impaired drivers from the highways, the enforcement team has prevented an untold number of impaired driving crashes.

Training members of the team is essential for the efforts of the team to be successful. Officers in member departments are trained in sobriety checkpoint operations, standardized field sobriety testing (SFST), advanced roadside impaired driving enforcement (ARIDE), and evidentiary breath test operations. Members are kept current on case law pertaining to impaired driving enforcement.

GEOGRAPHICS

Agencies participating with the enforcement team are located in Montgomery and Bucks Counties, and both of these highly populated counties border the city of Philadelphia, which is the largest city in Pennsylvania, and the fifth most populated city in the United States.

Montgomery County has a population of 774,000 residents, and a land area of 483 square miles, while Bucks County has a population of 613,000 residents, and a land area of 607 square miles.

The following are those jurisdictions targeted for impaired driving enforcement:

Municipality	Area (square miles)	Population	# of Officers
Montgomery Twp	10.8	24,000	36
Horsham Twp	17.4	27,000	40
Hilltown Twp	28.0	18,000	18
New Britain Twp	15.0	12,000	12
Warrington Twp	14.0	22,500	28
Warwick Twp	11.1	15,000	17

Each of these municipalities consist of residential, commercial and industrial areas, and each municipality has both local roads and state routes within their boundaries.

The following are those state routes that are located within the jurisdiction of the five member departments:

SR 0309	Bethlehem Pike
SR 0202	Dekalb Pike/Doylestown Road
SR 0063	Welsh Road
SR 0463	Horsham Road
SR 0152	Limekiln Pike
SR 2012	Upper State Road
SR 2038	County Line Road
SR 2202	Route 202 Parkway
SR 0611	Easton Road
SR 0132	Street Road
SR 2025	Bristol Road
SR 3003	Lower State Road
SR 2026	Blair Mill Road
SR 2007	Norristown Road
SR 0113	Souderton Pike
SR 0313	Dublin Pike
SR 4003	Dublin Road
SR 4008	Church Road
SR 4011	Hilltown Pike
SR 4013	Diamond Street
SR 4017	Callowhill Road
SR 4019	Minsi Trail
SR 4021	Blue School Road

- SR 4085 Bethlehem Pike
- SR 4089 Blooming Glen Road
- SR 0263 York Road
- SR 2089 Almshouse Road
- SR 2113 Sugarbottom Road
- SR 2079 Rushland Road
- SR 2077 Mearns Road

Due to the large number of state routes existing within the jurisdiction of each participating department, high traffic volume is experienced on a daily basis, with each department encountering a high number of impaired drivers, and those crashes involving an impaired driver

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PROBLEM IDENTIFICATION

While the emphasis on harsher punishments, stricter limitations, and national education has helped bring awareness to the problem of driving while under the influence of alcohol and/or drugs, DUI still remains a leading cause of injury and death in the United States. It is estimated that one in three people will still be involved in a drunk driving crash in their lifetime, with drunk driving costing the United States tens of billions of dollars each year. Latest figures show that with over one million drivers being arrested in the United States for driving while under the influence of alcohol or drugs each year, driving while under the influence has one of the highest arrest rates among major crimes, and, driving while under the influence is the leading cause of criminal deaths. Each year, approximately one out of three traffic fatalities reported in the United States died in accidents where alcohol was a contributing factor. It is estimated that more than half a million people are injured every year in the United States, in crashes where alcohol is reported to be present.

In Pennsylvania, there were 46,415 drivers arrested for driving while under the influence in 2016, which is a decrease from the 52,382 drivers arrested for driving while under the influence in 2015. There were 1188 traffic fatalities in Pennsylvania in 2016, with 297 of those being killed in alcohol-related crashes. Alcohol-related deaths accounted for 25 % of the total traffic deaths in Pennsylvania in 2016. On an average day, there were 28 alcohol-related crashes in Pennsylvania in 2016, resulting in 0.8 persons being killed, and 18 people being injured. Alcohol-related crashes were 4.5 times more likely to result in death than those not related to alcohol.

Of the 67 counties in Pennsylvania, Montgomery and Bucks Counties' combined population of 1,387,000 residents represent 11 % of Pennsylvania's total population, which is over twelve million people. With Bucks County being one of the top counties having the most miles of state highways within its borders, and both Montgomery and Bucks Counties being two of the top counties with the most miles of local roads, it is therefore not surprising that Montgomery and Bucks Counties combined for 10% of the total number of arrests for driving while under the influence in Pennsylvania in 2016.

In 2016, 35% of the total number of alcohol-related deaths occurred in only 7 of Pennsylvania's 67 counties, with Bucks County being identified as one of those counties. Bucks County was tied for second in having the highest number of alcohol-related deaths in 2016, whereas it was ninth in the state in 2015 for the number of alcohol-related deaths. Montgomery County was tied for tenth in Pennsylvania in 2016 for the number of alcohol-related deaths in Pennsylvania, whereas it was tied for seventeenth in 2015.

Just under half (46%) of alcohol-related fatal crash victims were the result of crashes occurring on Saturday and Sunday, while fatal crash victims of non-alcohol-related crashes tended to be distributed more evenly throughout the work week. The time period when most of the alcohol-related fatal traffic crashes occur is between 2000 and 0400 hours (63% of alcohol-related deaths). In contrast, only 23 % deaths occurring between 2000 and 0400 hours were from non-alcohol related crashes.

Drugged driving continues to increase, not only across the United States, but in Pennsylvania, as well. In 2015, 50% of the total number of those drivers arrested in Pennsylvania for impaired driving were driving under the influence of drugs (DUI-D). This is a substantial increase in the number of drivers arrested for DUI-D since 2011, when only 24% of the total number of DUI arrests were for drugged driving.

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PROGRAM GOALS

Please provide the goal(s) of the project as well as the program objectives. The goal(s) should be a general end result for the project. Some examples of program goals are: "reduce impaired driving crashes", "increase seat belt usage", or "decrease aggressive driving crashes". Objectives measure the success of the program. They are specific targets that are measurable and attainable in a given period of time. Some examples of program objectives are: "to increase contacts by 10%", "to reduce impaired driving related crashes by 8%", or "to increase the seat belt rate 4%".

Goal: Reducing Impaired (DUI) Driving

The overall goal of the Montgomery Township Regional DUI Enforcement Team is to reduce the number of impaired drivers on the highways. This reduction in the number of impaired drivers will result in fewer crashes, and ultimately, fewer injuries and deaths related to these crashes.

This goal is attainable through a sustained campaign of education and aggressive enforcement.

Sobriety checkpoints are one way to educate the public about drinking and driving. Law enforcement is promoting the message through sobriety checkpoints that driving while impaired by alcohol and/or drugs is a serious matter, and that drivers who make the choice to drive while impaired face the risk of being arrested for their offense. The highly visible, and publicized, sobriety checkpoint serves as a deterrent to those drivers who pass through during its operation, and to those motorists who learn of the checkpoint through media outlets. Sobriety checkpoints may be especially useful in deterring underage drivers from drinking and then getting behind the wheel, as their threshold BAC for being arrested for DUI (.02) is much lower than that of an adult (.08). In 2016, 12% of driver deaths in Pennsylvania for those drivers aged sixteen to twenty years were drinking drivers. This is a decrease from 2015 when 16% of driver deaths for those aged sixteen to twenty years of age were drinking drivers.

Sobriety checkpoints are not only an excellent way to raise the issue of drinking and driving with the public, they are an important part of a sustained enforcement campaign in removing impaired drivers from the road. Alcohol-impaired drivers can be hard to detect at lower BAC's, and often these impaired drivers are not apprehended until its too late.

Roving DUI patrols, or saturation patrols, are especially useful in areas where a sobriety checkpoint may not be able to be set up safely, but where increased patrols and DUI enforcement would be beneficial. Roving DUI patrols may also be useful when used in conjunction with a sobriety checkpoint operation, with attention directed at those roads located on the outer perimeter of the checkpoint operation.

Having already contacted over 67,000 motorists, to date, the objective of the Montgomery Township DUI Enforcement Team will be to contact another 1500 motorists. This objective can be accomplished through the use of sobriety checkpoints and saturation DUI patrols.

The Montgomery Township Regional DUI Enforcement Team believes that by targeting a specific geographical area with an aggressive DUI enforcement effort, accompanied with maintaining public interest and awareness in issues concerning driving while under the influence of alcohol and/or drugs, the goal of reducing the number of impaired drivers on the highways can be met.

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BUDGET NARRATIVE

Use this section to provide any necessary explanations of the proposed budget (i.e., if there are multiple coordinators or equipment needs.)

SOBRIETY CHECKPOINT OPERATIONS

The team plans to conduct four reduced manpower sobriety checkpoints. The objective of a sobriety checkpoint is to create the perception that apprehension of someone who is driving while under the influence is likely. Checkpoints involve the systematic stopping of vehicles in a pre-determined sequence, at a pre-determined location, to gain maximum visibility to the potential DUI offender, and enable officers to observe drivers for articulable facts and /or behaviors associated with alcohol and drug impairment. Location, day of the week, and time of operation is based upon alcohol-related crash data gathered from the Pennsylvania Department of Transportation , and alcohol-related crash data and arrest data from the jurisdiction where the checkpoint operation is being conducted. Each checkpoint operation will be for six hours, and include pre- and post-operational briefings, as well as set up and tear down time. Arrested persons will be transported for chemical testing, with lodging done per the standard operating procedures of the police department hosting the checkpoint operation. Each checkpoint will consist of sixteen officers, and include the positions of contact officer, cover officer, traffic control officer, forward observation officer, perimeter patrol officer, field testing officer, transportation officer, and other designated positions as may be deemed necessary for a successful checkpoint operation.

ROVING DUI PATROLS

The Enforcement Team plans on conducting forty-four roving DUI enforcement patrols. The objective of the roving DUI patrol is to detect impaired drivers, and stop vehicles for traffic and equipment violations. The roving DUI patrols will be scheduled to maximize their visibility during the days, times of day, and holiday periods when high visibility enforcement efforts are essential to accomplishing the stated goal of the Team. Each roving DUI patrol operation will last four hours, and include at least one officer being assigned.

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SALARIES AND BENEFITS

Position / Title	<input type="text" value="Coordinator"/> <input type="text" value="Coordinator"/>	*
Hours	<input type="text" value="80"/>	*
Rate	<input type="text" value="\$80.00"/>	*
Total	\$6,400.00	
Fringe Amount	<input type="text" value="\$0"/>	*
Fringe Rate		0%

The designated Impaired Driving Grant coordinator is Officer David Dunlap of the Montgomery Township Police Department. The grant coordinator will be responsible for the development of operational plans, site selection and preparation, manpower and assignments, research of data required to support the establishment of sobriety checkpoints, training of assigned personnel, selecting and maintaining equipment necessary for checkpoint operations, and fiscal management of the Impaired Driving Program. The coordinator is also responsible for the collection of data from each of the details that are conducted, which will then be submitted to the Alcohol Highway Safety Program manager and assistant manager on a timely basis. The grant coordinator will be required to attend training and conferences, for proper grant administration. The grant coordinator will work with the Chief of Police, or his designee, in the municipalities where operations are to be conducted. It is estimated that nine man hours will be required for each of the four reduced manpower sobriety checkpoints that are planned, to properly perform the duties related to those operations. It is estimated that one man hour will be required for each of the forty-four roving DUI enforcement patrols that are planned, for duties related to the details, such as planning, scheduling, and reporting.

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TRAVEL

The coordinator for the DUI Enforcement Team will be required to attend various conferences and other applicable training to be able to properly manage the impaired driving program successfully. Overnight lodging and other associated costs will be required when attending training that is out of the local area.

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EQUIPMENT

Please include each type of equipment separately.

Steady burning, high visibility road flares are necessary for use at sobriety checkpoints to ensure the safety of the officers staffing the checkpoint, as well as the motorists who approach and are contacted at the sobriety checkpoints.

General equipment to be purchased may include portable mini-cades, traffic cones, electrical equipment, general maintenance equipment , supplies for the equipment trailer, flashlights, high-visibility traffic vests, and any other equipment deemed necessary to ensure the success of the program.

The DUI Enforcement Team intends to purchase two pre-arrest testing instruments, such as approved Alco-Sensor devices, to assist officers who are staffing sobriety checkpoints, or who may be conducting a roving DUI patrol, in removing impaired drivers from the roads.

Pre-arrest breath testing supplies will include mouth pieces and/or calibration equipment for the Alco-Sensor pre-arrest breath test equipment in use at sobriety checkpoints and for officers who are conducting roving DUI patrols.

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GOODS AND SERVICES

General office supplies may include items to be used for pre-operational sobriety checkpoint briefings, supplies used for scheduling enforcement activities, notebooks, ledgers, writing instruments, and any other office-related equipment and supplies deemed necessary for the program.

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OVERTIME ENFORCEMENT

The Montgomery Township Regional DUI Enforcement Team plans to conduct four reduced manpower sobriety checkpoints, each checkpoint will be for six hours, consist of sixteen officers, with an average hourly rate of \$72.00 per officer.

The Montgomery Township Regional DUI Enforcement Team plans to conduct forty-four Roving DUI Enforcement Patrols. Each detail will be for four hours, consist of one officer (although more than one officer assigned may be considered), with an average hourly rate of \$72.00.

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BUDGET SUMMARY

	Budget	BHSTE Share
1. Salaries and Wages		\$6,400.00
2. Employee Benefits		\$0
3. Travel		\$600.00
4. Contractual Services		\$0
5. Equipment		\$2,280.00
6. Good and Services		\$400.00
7. Overtime Enforcement		\$40,320.00
8. Indirect Cost		\$0
Total Project Cost		\$50,000.00

MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS
BOARD ACTION SUMMARY

SUBJECT: Consider Extension of Pennsylvania Aggressive Driving
and Buckle-Up Enforcement Grant

MEETING DATE: September 11, 2017 ITEM NUMBER: #9

MEETING/AGENDA: WORK SESSION ACTION XX NONE

REASON FOR CONSIDERATION: Operational: XX Information: Discussion: Policy:

INITIATED BY: J. Scott Bendig
Chief of Police

BOARD LIAISON: Candyce Fluehr Chimera
Chairman, Board of Supervisors



BACKGROUND:

The police department, in conjunction with over 300 municipal police agencies throughout the Commonwealth, participates in the Pennsylvania Aggressive Driving Enforcement/Education Grant Project and the Buckle-Up Enforcement Grant. These grants are statewide initiatives dedicated to targeting aggressive driving locations and raising the seat belt usage level in Pennsylvania. High visibility target enforcement, coordinated earned media, public awareness, and training are conducted on these roadways to reduce the number of needless driving injuries and deaths.

During the 2016/2017 grant period, the police department has received \$19,800.00 in funding to participate in these initiatives. Eligibility for additional funding under these programs for the 2017/2018 grant period requires the execution of grant extension agreements.

ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

PREVIOUS BOARD ACTION:

None.

ALTERNATIVES/OPTIONS:

None.

BUDGET IMPACT:

None.

RECOMMENDATION:

Approve the execution of extension agreements for the Pennsylvania Aggressive Driving Enforcement/Education Grant Project and Buckle-Up Enforcement Grant.

MOTION/RESOLUTION:

BE IT RESOLVED by the Board of Supervisors of Montgomery Township that we hereby approve the execution of extension agreements for the Pennsylvania Aggressive Driving Enforcement/Education Grant Project and Buckle-Up Enforcement Grant.

MOTION: _____ SECOND: _____

ROLL CALL:

Robert J. Birch	Aye	Opposed	Abstain	Absent
Michael J. Fox	Aye	Opposed	Abstain	Absent
Jeffrey W. McDonnell	Aye	Opposed	Abstain	Absent
Richard E. Miniscalco	Aye	Opposed	Abstain	Absent
Candyce Fluehr Chimera	Aye	Opposed	Abstain	Absent

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RECOMMENDATION:

Township Staff recommends the Board of Supervisors authorize the submittal of the NOI Renewal Permit.

MOTION/RESOLUTION:

BE IT RESOLVED by the Board of Supervisors of Montgomery Township that we hereby authorize the submittal of the Notice of Intent for the Township's new NPDES MS4 Permit.

MOTION: _____ SECOND: _____

ROLL CALL:

Robert J. Birch	Aye	Opposed	Abstain	Absent
Michael J. Fox	Aye	Opposed	Abstain	Absent
Jeffrey W. McDonnell	Aye	Opposed	Abstain	Absent
Richard E. Miniscalco	Aye	Opposed	Abstain	Absent
Candyce Fluehr Chimera	Aye	Opposed	Abstain	Absent

DISTRIBUTION: Board of Supervisors, Frank R. Bartle, Esq.

involvement and participation process.

STORMWATER MANAGEMENT PROGRAM

Check here if the applicant is relying and will continue to rely on Pennsylvania's Chapter 102 program for erosion and sediment control (E&S) and post-construction stormwater management requirements. (If checked, there is no need to complete the information in the table below for MCM #4, BMPs #4 – #8, and MCM #5, BMPs #4 – #6).

Minimum Control Measure (MCM)	BMP #	BMP Summary	Responsible Party	Contact Name	Contact Phone No.	MOU or Agreement?
#1 – Public Education and Outreach	1	Develop, implement and maintain a written Public Education and Outreach Program.	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>
	2	Develop and maintain lists of target audience groups that are present within the areas served by the permittee's regulated small MS4.	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>
	3	The permittee shall annually publish at least one issue of a newsletter, a pamphlet, a flyer, or a website that includes general stormwater educational information, a general description of the permittee's SWMP, and/or information about the permittee's stormwater management activities.	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>
	4	Distribute stormwater educational materials and/or information to the target audiences using two methods annually.	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>
#2 – Public Participation and Involvement	1	Develop, implement and maintain a written Public Involvement and Participation Program (PIPP).	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>
	2	Provide adequate public notice and opportunities for public review, input, and feedback prior to adoption of any ordinance, SOP or plan required by the General Permit.	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>
	3	Regularly solicit public involvement and participation from the target audience groups using available distribution and outreach methods.	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>
#3 – Illicit Discharge Detection and Elimination	1	Develop and implement a written program for the detection, elimination, and prevention of illicit discharges into the regulated MS4.	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>
	2	Develop and maintain a map of the regulated small MS4's outfalls and surface waters.	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>
	3	In conjunction with the map(s) created under BMP #2 (either on the same map or on a different map), new permittees shall show, and existing permittees shall update, the entire storm sewer collection system, including roads, inlets, piping, swales, catch basins, channels, basins, and any other features of the permittee's storm sewer system including municipal boundaries and/or watershed boundaries.	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>

Minimum Control Measure (MCM)	BMP #	BMP Summary	Responsible Party	Contact Name	Contact Phone No.	MOU or Agreement?
#3 – Illicit Discharge Detection and Elimination (continued)	4	The permittee shall conduct outfall field screening, identify the source of any illicit discharges, and remove or correct any illicit discharges.	Planning & Zoning Director	Bruce Shoupe	215 393-6920	<input type="checkbox"/>
	5	Enact a Stormwater Management Ordinance (municipal permittees) or SOP (non-municipal permittees) to implement and enforce a stormwater management program that includes prohibition of non-stormwater discharges to the regulated small MS4.	Planning & Zoning Director	Bruce Shoupe	215 393-6920	<input type="checkbox"/>
	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.	Planning & Zoning Director	Bruce Shoupe	215 393-6920	<input type="checkbox"/>
#4 – Construction Site Stormwater Runoff Control	1	If an NPDES permit is required for earth disturbance activities, do not issue a building permit or approval until confirmation that a valid NPDES permit is obtained.	Planning & Zoning Director	Bruce Shoupe	215 393-6920	<input type="checkbox"/>
	2	Notify DEP or CCD within 5 days of the receipt of an application for a permit involving an earth disturbance activity consisting of one acre or more.	Planning & Zoning Director	Bruce Shoupe	215 393-6920	<input type="checkbox"/>
	3	Enact, implement, and enforce an ordinance to require the implementation of erosion and sediment control BMPs, as well as sanctions to ensure compliance.	Planning & Zoning Director	Bruce Shoupe	215 393-6920	<input type="checkbox"/>
	4	Review Erosion and Sediment (E&S) control plans to ensure that such plans adequately consider water quality impacts and meet regulatory requirements.				<input checked="" type="checkbox"/>
	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 General Permit.				<input checked="" type="checkbox"/>
	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.				<input checked="" type="checkbox"/>
	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.				<input checked="" type="checkbox"/>

Minimum Control Measure (MCM)	BMP #	BMP Summary	Responsible Party	Contact Name	Contact Phone No.	MOU or Agreement?
#4 – Construction Site Stormwater Runoff Control (continued)	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. The permittee shall demonstrate acknowledgement and consideration of the information submitted, whether submitted verbally or in writing.				<input checked="" type="checkbox"/>
#5, Post-Construction Stormwater Management in New Development and Redevelopment	1	Enact, implement, and enforce an ordinance or other regulatory mechanism to address post-construction stormwater runoff from new development and redevelopment projects, as well as sanctions and penalties associated with non-compliance.	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>
	2	Develop and implement measures to encourage and expand the use of Low Impact Development (LID) in new development and redevelopment.	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>
	3	Ensure adequate operation and maintenance of all post-construction stormwater management BMPs installed at all development or redevelopment projects that disturb greater than or equal to one acre.	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>
	4	Review PCSM Plans and require the implementation 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, and implement a tracking system for qualifying projects and associated PCSM BMPs.				<input checked="" type="checkbox"/>
	5	Inspect all qualifying development or redevelopment projects to ensure proper installation of the approved structural PCSM BMPs.				<input checked="" type="checkbox"/>
	6	Develop a written program that describes how the permittee shall implement and enforce all required components of this MCM.				<input checked="" type="checkbox"/>
#6 – Pollution Prevention / Good Housekeeping	1	Identify and document all operations that are owned or operated by the permittee and have the potential for generating stormwater runoff to the regulated small MS4.	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>
	2	Develop, implement and maintain a written O&M program for all operations that could contribute to the discharge of pollutants from the regulated small MS4.	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>
	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.	Planning & Zoning Director	Bruce Soupe	215 393-6920	<input type="checkbox"/>

STORMWATER MANAGEMENT PROGRAM

MOU or Agreement. Attach any Memorandum of Understanding (MOU) or other written agreement that describes the BMP(s) identified above as being the responsibility of another party or a shared responsibility with another party.

Stormwater Management Ordinance. For municipal applicants that are renewing permit coverage, complete the information below and attach the applicant's Stormwater Management Ordinance to the NOI. The box for "Yes" must be checked for one of the three options below. Applicants that lack the authority to enact ordinances and are renewing permit coverage must attach their stormwater management SOP(s).

1.	Has a Stormwater Management Ordinance been enacted that is consistent with either the 2013 or 2022 DEP Model Ordinances?	<input type="checkbox"/> Yes	Date:	<input type="checkbox"/> No
2.	Has a Stormwater Management Ordinance been enacted that is consistent with an Act 167 Plan approved by DEP in 2005 or later?	<input checked="" type="checkbox"/> Yes	Date: 1/4/16	<input type="checkbox"/> No
3.	Has a Stormwater Management Ordinance been enacted that meets the requirements of the Stormwater Management Ordinance Checklist (for either 2013 or 2022)? If Yes, attach Checklist (3800-PM-BCW0100g).	<input type="checkbox"/> Yes	Date:	<input type="checkbox"/> No

COMPLIANCE HISTORY

Existing Permits – Identify all existing environmental permits issued by DEP or EPA to the applicant in the past five years.

Type of Permit	Permit No.	Date Issued	Issued By
NPDES	PAG-130016	March 16, 2013 (effective)	PADEP
GP-11	GP114614315	July 30, 2014	PADEP

Was/Is the facility owner or operator in violation of any DEP regulation, permit, order or schedule of compliance at this or any other facility? Yes No

If "Yes," list each permit, order or schedule of compliance and provide current compliance status. Use additional sheets to provide information on all permits.

Permit Program: _____ Permit No.: _____

Brief Description of Non-Compliance: _____

Steps Taken to Achieve Compliance	Date(s) Compliance Achieved

Current Compliance Status: In Compliance In Non-Compliance

CERTIFICATION

I certify under penalty of law and subject to the penalties of 18 Pa. C.S.A. Section 4904 (relating to unsworn falsification to authorities) 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 knowing violations.

Lawrence J. Gegan

Name (type or print legibly)

Township Manager

Official Title

Signature

Date Signed

**NPDES Stormwater Discharges from MS4
Pollutant Reduction Plan
for
Montgomery Township
Montgomery County, Pennsylvania**

September 2017

Prepared For:

Montgomery Township
1001 Stump Road
Montgomeryville, PA 18936
(215) 393-6900

Prepared By:

Gilmore & Associates, Inc.
Engineers ♦ Land Surveyors ♦ Planners ♦ GIS Consultants
65 E. Butler Avenue, Suite 100
New Britain, PA 18901
215 345-4330



**MS4 Pollutant Reduction Plan
for
Montgomery Township
Montgomery County, Pennsylvania**

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Appendices

Appendix A	<i>MS4 Requirements Table</i> Applicable portion of the MS4 Requirements Table (Municipal) Anticipated Obligations for Subsequent NPDES Permit Term
Appendix B	<i>Public Participation</i> Appendix B-1: Public Notice & Proof of Advertisement Appendix B-2: Public Comments Received Appendix B-3: Public Meeting Agenda and Meeting Minutes Appendix B-4: Record of Consideration
Appendix C	<i>Maps</i> Appendix C-1: Watershed Map Drawing A-1 Appendix C-2: Basin Location Map
Appendix D	<i>Existing Loading for Pollutants of Concern</i> Appendix D-1: EMC Table Appendix D-2: ROW Calculations
Appendix E	<i>Loading Reduction Calculations</i> Appendix E-1: Existing Naturalized Basins Loading Reduction Calculations Appendix E-2: Proposed Naturalized Basins Loading Reduction Calculations

Montgomery Township, Montgomery County (Municipality) is submitting this Pollutant Reduction Plan (PRP) in accordance with the requirements of *Individual Permit PAG-13 for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4)*; specifically, in accordance with the *MS4 Requirements Table (Municipal) Anticipated Obligations for Subsequent NPDES Permit Term*. The Municipality must create a PRP due to discharges from their MS4 to the Park Creek, Neshaminy Creek, Wissahickon Creek, Warrington Lake, Little Neshaminy Creek, West Branch Neshaminy Creek, and Trewellyn Creek watersheds, which have been listed as impaired for sediment, nutrients, pathogens, PCBs, organic enrichment/low D.O., and excessive algal growth. The United States Environmental Protection Agency (EPA) approved Total Maximum Daily Load (TMDL) plans for sediment in 2003 for the Neshaminy Creek and Wissahickon Creek (see Appendix A). A TMDL strategy was submitted to the Pennsylvania Department of Environmental Protection for review and approval in December 2015. Comments have yet to be received. This PRP is a supplement to the MS4 TMDL Strategy for Montgomery Township submitted in December 2015.

The intent of this MS4 PRP is to establish the existing loading of pollutants discharged from the MS4 to the Neshaminy Creek and Wissahickon Creek watersheds, and to present a plan to reduce these pollutants. This MS4 PRP is organized to follow the "Required PRP Elements" presented in the PRP Instructions included as part of the *PAG-13 MS4 General Permit* instruction package. This PRP will be evaluated and updated by the Municipality on an as-needed basis, based on its effectiveness in reducing pollutant loads in discharges from the regulated small MS4. If this occurs, the Municipality will work with the Pennsylvania Department of Environmental Protection (PADEP) for review and approval of any revisions or updates.

Each MS4 PRP must include the following Required PRP Elements:

Section A: Public Participation

Section B: Map

Section C: Pollutants of Concern

Section D: Determine Existing Loading for Pollutants of Concern

Section E: Select BMPs to Achieve the Minimum Required Reductions in Pollutant Loading

Section F: Identify Funding Mechanisms

Section G: Identify Responsible Parties for Operation and Maintenance (O&M) of BMPs

A. Public Participation

As part of the preparation of this MS4 PRP, public participation is required. The MS4 shall complete the public participation measures listed below, and report in the PRP that each was completed:

- A complete copy of the PRP shall be available for public review.
- The applicant shall publish, in a newspaper of general circulation in the area, a public notice containing a statement describing the plan, where it may be reviewed by the public, and the length of time the permittee will provide for the receipt of comments. The public notice must be published at least 45 days prior to the deadline for submission of the PRP to DEP. **(Public Notice Attached)**
- The applicant shall accept written comments for a minimum of 30 days from the date of public notice. **(Public comments will be attached to the PRP submitted to PADEP)**
- The applicant shall accept comments from any interested member of the public at a public meeting or hearing, which may include a regularly scheduled meeting of the governing body of the municipality or municipal authority that is the permittee.
- The applicant shall consider and make a record of the consideration of each timely comment received from the public during the public comment period concerning the plan, identifying any changes made to the plan in response to the comment. **(Comment response document will be attached to the PRP submitted to PADEP)**

All required documentation of public participation, as outlined above, is included as Appendix B.

- Date PRP public notice was published in newspaper: July 31, 2017
- Date PRP was made available for public review/comment: July 31, 2017
- End date for receipt of written comments (30 days from the date of public notice): August 30, 2017
- Date PRP listed on the public meeting agenda: July 24, 2017
- Date PRP comments were accepted at a public meeting: August 28, 2017

B. Map

Mapping is an integral part of developing the PRP and requires a level of detail suitable to determine the existing land uses, impervious/pervious surface coverages, topography and loading for the sediment. The MS4 PRP map shall show land uses and / or impervious / pervious surfaces and the storm sewershed boundary. The MS4 PRP map(s) shall also show the proposed locations of structural BMPs that will be implemented to achieve the required pollutant load reductions. The storm sewershed boundary shown on the Municipality MS4 PRP Maps constitute the storm sewershed to each of the MS4 outfalls within the MS4's jurisdiction that discharge to the Neshaminy Creek and Wissahickon Creek watersheds.

The Municipality MS4 PRP Maps are the same maps that were included in the TMDL Strategy submitted to PADEP in December 2015 and identify the storm sewershed boundary, the existing land uses and impervious/pervious surface coverages, as well as the proposed locations of structural BMPs to be implemented to achieve required pollutant load reductions. The Municipality MS4 PRP Maps are included in Appendix C.

The Municipality MS4 PRP Maps also shows parsed areas, which are areas within the storm sewershed that are not included in the calculation of land area and existing pollutant loading. All BMPs located within these parsed areas have not been counted toward achieving pollutant reduction objectives. 38.4% of the Municipality has been parsed (2,608 of the 6,783 acres). Examples of land area that have been parsed include:

- The land area associated with non-municipal stormwater NPDES permit coverage that exists within the urbanized area of a municipality;
- Land area associated with PennDOT roadways and the Pennsylvania Turnpike (roads and right of ways);
- Land areas in which stormwater runoff does not enter the MS4. If an accurate storm sewershed map is developed, these lands may be parsed or excluded as part of that process. Potential examples include homeowner's associations and schools which do not contain municipal roads or other municipal infrastructure.

C. Pollutants of Concern

The Municipality's December 2015 TMDL Strategy calculated the existing loading of sediment in lbs/year, the minimum reduction in loading in lbs/year, selected BMP(s) to reduce loading, and demonstrated that the selected Best Management Practices (BMPs) would achieve the minimum reductions.

For PRPs developed for impaired water ["Appendix E" noted in the Requirements Table column in the *MS4 Requirements Table (Municipal) Anticipated Obligations for Subsequent NPDES Permit Term*], the pollutants are based on the impairment listing as provided in the *MS4 Requirements Table (Municipal) Anticipated Obligations for Subsequent NPDES Permit Term*. If the impairment is based on siltation (sediment) only, a minimum of 10% sediment reduction is required. If the impairment is based on nutrients only or other surrogates for nutrients (e.g., "Excessive Algal Growth" and "Organic Enrichment/Low D.O."), a minimum 5% reduction is required. If the impairment is due to both siltation and nutrients, both sediment (10% reduction) and nutrients (5% reduction) must be addressed. PADEP has determined that 10% sediment reduction will also result in at least 5% nutrient reduction. Since there is no wasteload allocation (WLA) for nutrients or other surrogates for nutrients within the TMDL, it was assumed that sediment is the limiting factor for each watershed. Since a 10% sediment reduction of the total TMDL load reduction requirement is proposed the Municipality can assume that all other nutrient and surrogates for nutrients will be met as part of this PRP. As such, nutrient loadings were not calculated as part of this PRP.

D. Determine Existing Loading for Pollutants of Concern

TABLE D-1 below summarizes the division of the total area of the Municipality.

TABLE D-1: SUMMARY OF AREAS

Area Description	Acres
Parsed	2608
Borough ROW	429
Other Non-Parsed	3746
Total Area	6783

The loading and reduction for sediment was calculated as follows:

The Municipality's permit obligation applies to the land area that drains to the municipal separate storm sewer (See TABLE D-1) from within the jurisdiction of the MS4 permittee (the "storm sewershed"). The storm sewershed land area that drains to the municipal separate storm sewer from within the jurisdiction of the MS4 to Neshaminy Creek and Wissahickon Creek was delineated using PAMAP data known as Light Detection and Ranging (LiDAR) contours as part of the Municipality's December 2015 TMDL Strategy. Lands owned by the State or County as well as land areas that drained directly to non-Borough roads, streams, or permitted BMPs were parsed. Transitional Land Use tables were then used to define land use in the Municipality and calculate the total sediment loading to both the Neshaminy Creek and Wissahickon Creek watersheds created by the Municipality for the non-parsed areas. Based upon an analysis of the non-parsed areas within the Municipality that included event mean concentrations (EMCs) (per Chapter 8 of the BMP Manual) and weighted rainfall volumes for the non-parsed areas the existing sediment loads for each watershed were calculated.

In accordance with the Municipality's December 2015 TMDL Strategy after parsing it had a total non-parsed sediment loading in 2003 of 959,581 lbs/year (874,274 lbs/year and 85,306 lbs/year in its Neshaminy Creek and Wissahickon Creek storm sewersheds, respectively). The associated TMDL MS4 required pollutant reduction for these storm sewersheds is 245,227 lbs/year (218,804 lbs/year and 26,422 lbs/year in its Neshaminy Creek and Wissahickon Creek

storm sewersheds, respectively). Since 2003, the Municipality has installed several BMPs. These BMPs have resulted in a loading decrease of 86,256 lbs/year. Therefore, as of 2015 the remaining sediment load that needs to be reduced is 158,971 lbs/year. Per the Municipality's December 2015 TMDL Strategy these impairments and their associated loads are to be rectified over a fifty (50) year period in which at least 10% of the remaining TMDL load (15,897 lbs/year) will be reduced each permit cycle over that time period. This minimum sediment reduction will result in the Municipality's MS4 having a new sediment load of 857,428 lbs/year and a remaining reduction load of 143,074 lbs/year.

E. Select BMPs to Achieve the Minimum Required Reductions in Pollutant Loading

The Municipality's December 2015 TMDL Strategy outlines several BMP options for each watershed.

The Municipality has a requirement to reduce sediment by 25% and 31% in the Neshaminy Creek and Wissahickon Creek storm sewersheds, respectively. As previously stated PADEP has determined that 10% sediment reduction will also result in at least 5% nutrient reduction. Implementation of BMPs or land use changes must be proposed that will result in meeting the minimum required reduction in pollutant loading within the storm sewershed(s) identified by the MS4. These BMP(s) must be implemented within five (5) years of DEP's approval of coverage under the PAG-13 Individual Permit, and must be located within the storm sewersheds of the applicable impaired waters, on either public or private property.

The Municipality plans to achieve the sediment reduction by designing, constructing, operating and maintaining BMPs. The Municipality is required to implement this plan over the next five (5) years. Table E-1 is a summary of the proposed BMPs under consideration, including location, type, area treated, and sediment removed:

TABLE E-1: SUMMARY OF BMPS

BMP LOCATION	BMP TYPE	AREA TREATED BY BMP (Acres)	SEDIMENT REMOVED BY BMP (lbs/year)
Neshaminy Creek Watershed (multiple basins)	Naturalize Basin	Varies	Up to 22,353
Wissahickon Creek Watershed (multiple basins)	Naturalize Basin	Varies	Up to 4,236

As denoted in Section D, the load after proposed BMPs are implemented over the next 5-year permit cycle for the Neshaminy Creek and Wissahickon Creek Storm Sewersheds should be at most 857,428 lbs/year. As demonstrated above in Table E-1 the proposed total load reduction will be at least 15,897 lbs/year and as much as 26,589 lbs/year, which meets and/or exceeds the minimum reduction proposed in the Municipality’s December 2015 TMDL Strategy.

The following tables summarize the sediment load and required sediment reduction for the Neshaminy Creek and Wissahickon Creek Storm Sewersheds. Also included is a summary of the proposed BMPs contemplated to achieve the required sediment load reduction.

TABLE E-2: MS4 PRP STRATEGY SUMMARY FOR NESHAMINY CREEK STORM SEWERSHED

Description	Value	Unit
Neshaminy Creek Small Watershed	5,839	acres
Parsed Area - Total	2,163	acres
Neshaminy Creek Storm Sewershed	3,676	acres
2003 MS4 Sediment Load	874,274	lbs/year
MS4 Required Pollutant Reduction per TMDL	218,804	lbs/year
Sediment Load Removed by BMPs Installed Since 2003	84,648	lbs/year
Current Sediment Load	789,626	lbs/year

Remaining Sediment Load to be Removed for Compliance with TMDL	134,156	lbs/year
TMDL Proposed Sediment Pollutant Load Reduction Percentage	10	%
Minimum Required Pollutant Load Reduction	13,146	lbs/year
Proposed Sediment Load Reduction from BMPs	11,391 to 22,354	lbs/year
Remaining Sediment Load to be Removed for Compliance with TMDL After Proposed BMPs Installed	111,802 to 122,765	lbs/year

TABLE E-2: MS4 PRP STRATEGY SUMMARY FOR WISSAHICKON CREEK STORM SEWERSHED

Description	Value	Unit
Wissahickon Creek Small Watershed	945	acres
Parsed Area - Total	444	acres
Wissahickon Creek Storm Sewershed	501	acres
2003 MS4 Sediment Load	85,306	lbs/year
MS4 Required Pollutant Reduction per TMDL	26,422	lbs/year
Sediment Load Removed by BMPs Installed Since 2003	1,608	lbs/year
Current Sediment Load	83,698	lbs/year
Remaining Sediment Load to be Removed for Compliance with TMDL	24,814	lbs/year
TMDL Proposed Sediment Pollutant Load Reduction Percentage	10	%
Minimum Required Pollutant Load Reduction	2,481	lbs/year
Proposed Sediment Load Reduction from BMPs	Up to 4,236	lbs/year
Remaining Sediment Load to be Removed for Compliance with TMDL After Proposed BMPs Installed	20,578 to 24,814	lbs/year

F. Identify Funding Mechanism(s)

The Municipality intends to apply for all related grants, such as Growing Greener, to implement these BMPs. The Municipality intends to utilize general fund money to cover the construction costs for the proposed BMPs should grant money not be awarded. The BMPs are expected to be constructed over the last three years of the new permit cycle. Once the PRP has been approved by PADEP, the Municipality intends to approve design of the BMPs, upon which time a feasibility and cost analysis will be prepared and shared with PADEP.

G. Identify Responsible Parties for Operation and Maintenance (O&M) of BMPs

Once implemented, the BMPs must be maintained in order to continue producing the expected pollutant reductions. Applicants must identify the following for each selected BMP:

- The parties responsible for ongoing O&M;
- The activities involved with O&M for each BMP; and
- The frequency at which O&M activities will occur.

Actual O&M activities will be identified by the MS4 in their Annual MS4 Status Reports, submitted under the General Permit. Once the PRP has been approved by PADEP and the Municipality begins design of the BMPs, an O&M manual will be created and submitted to PADEP for review and comment.

Table G-1 OPERATION AND MAINTENANCE OF BMPs

NAME OF BMP	LOCATION OF BMP	OWNER/ RESPONSIBLE PARTY	O&M ACTIVITY & FREQUENCY
Naturalize Basin	Neshaminy Creek Watershed (multiple basins)	Department of Public Works	TBD
Naturalize Basin	Wissahickon Creek Watershed (multiple basins)	Department of Public Works	TBD

H. GENERAL INFORMATION

Terms: The term “nutrients” refers to “Total Nitrogen” (TN) and “Total Phosphorus” (TP) unless specifically stated otherwise in PADEP’s latest Integrated Report. The terms

“sediment,” “siltation,” and “suspended solids” all refer to inorganic solids and are hereinafter referred to as “sediment.”

Pollutants of Concern and Required Reductions: For all PRPs, MS4s shall calculate existing loading of the pollutant(s) of concern, in lbs/year; calculate the minimum reduction in loading, in lbs/year; select BMP(s) to reduce loading; and demonstrate that the selected BMP(s) will achieve the minimum reductions.

For PRPs developed for impaired waters (Appendix E), the pollutant(s) are based on the impairment listing, as provided in the MS4 Requirements Table. If the impairment is based on siltation only, a minimum 10% sediment reduction is required. If the impairment is based on nutrients only or other surrogates for nutrients (e.g., “Excessive Algal Growth” and “Organic Enrichment/Low D.O.”), a minimum 5% TP reduction is required. If the impaired is due to both siltation and nutrients, both sediment (10% reduction) and TP (5% reduction) must be addressed.

Existing Pollutant Loading: Existing loading must be calculated and reported as of the date of the development of the PRP. MS4s may not claim credit for street sweeping and other non-structural BMPs implemented in the past. If structural BMPs were implemented prior to development of the PRP and continue to be operated and maintained, the MS4 may claim pollutant reduction credit in the form of reduced existing loading.

NOTE – An MS4 may not reduce its obligations for achieving pollutant load reductions through previously installed BMPs. An MS4 may only use such BMPs to reduce its estimate of existing pollutant loading. For example, if a rain garden was installed ten years ago and is expected to remove 100 lbs of sediment annually, and the overall annual loading of sediment in the storm sewershed is estimated to be 1,000 lbs without specifically addressing the rain garden, an MS4 may not claim that the rain garden satisfies its obligations to reduce sediment loading by 10%. The MS4 may, however, use the rain garden to demonstrate that existing loading is 900 lbs instead of 1,000 lbs, and 90 lbs rather than 100 lbs needs to be reduced during the term of permit coverage.

BMP Effectiveness: All MS4s must use the BMP effectiveness values contained within PADEP’s BMP Effectiveness Values document (3800-PM-BCW0100m) or Chesapeake Bay Program expert panel reports for BMPs listed in those resources when determining pollutant load reductions in PRPs. For BMPs not listed in 3800-PM-BCW0100m or expert panel reports, MS4s may use effectiveness values from other technical resources; such resources must be documented in the PRP.

Combining PRPs: If the MS4 discharges into multiple local surface waters impaired for nutrients and/or sediment, one PRP may be submitted to satisfy Appendix E but calculations and BMP selections must be completed independently for the storm sewershed of each impaired water. If, for example, an MS4 permittee must complete three PRPs according to the MS4 Requirements Table for three separate surface waters, storm sewershed maps must be developed, existing loads must be calculated,

and BMPs must be implemented for pollutant reductions independently within those storm sewersheds. In other words, BMPs cannot be implemented in one storm sewershed to count toward pollutant reductions in an entirely separate storm sewershed for a different impaired water.

Where local surface waters are impaired for nutrients and/or sediment, and those waters are tributary to a larger body of water that is also impaired, MS4s can propose BMPs within the upstream impaired waters to meet the pollutant reduction requirements of both the upstream and downstream waters. For example, if Stream A flows through a municipality that is tributary to Stream B, both are impaired and the MS4 has discharges to both streams, the MS4 can implement BMPs in the storm sewershed of Stream A to satisfy pollutant reduction requirements for both Streams A and B. In general, the MS4 permittee would not be able to satisfy pollutant reduction requirements for both streams if BMPs were only implemented in the storm sewershed of Stream B; however, on a case by case basis DEP will consider such proposals where it can be demonstrated that implementing BMPs in the upstream storm sewershed is infeasible.

If, however, Stream A does not flow into Stream B, both are impaired and the MS4 has discharges to both streams, in general DEP would expect that BMPs be implemented in the storm sewershed of both streams to meet pollutant reduction requirements.

MS4s participating in collaborative efforts are encouraged to contact DEP's Bureau of Clean Water during the PRP development phase for feedback on proposed approaches.

Joint PRPs: MS4s may develop and submit a joint PRP, regardless of whether the MS4s will be submitting a "joint NOI" or are already co-permittees. In general, the MS4s participating in a joint PRP should have contiguous land areas. The "study area" to be mapped is the combined storm sewershed for all MS4 jurisdictions.

BMP Selection: MS4s may propose and take credit for only those BMPs that are not required to meet regulatory requirements or otherwise go above and beyond regulatory requirements. For example, a BMP that was installed to meet Chapter 102 NPDES permit requirements for stormwater associated with construction activities may not be used to meet minimum pollutant reductions unless the MS4 can demonstrate that the BMP exceeded regulatory requirements; if this is done, the MS4 may take credit for only those reductions that will occur as a result of exceeding regulatory requirements.

NOTE – Street sweeping may be proposed as a BMP for pollutant loading reductions if 1) street sweeping is not the only method identified for reducing pollutant loading, and 2) the BMP effectiveness values contained in 3800-PM-BCW0100m or Chesapeake Bay Program expert panel reports are utilized.

Submission of PRP: Attach one copy of the PRP with the NOI or individual permit application that is submitted to the regional office of DEP responsible for reviewing the

NOI or application. In addition, one copy of the PRP (not the NOI or application) must be submitted to DEP's Bureau of Clean Water (BCW). BCW prefers electronic copies of PRPs, if possible. Email the electronic version of the PRP, including map(s) (if feasible), to RA-EPPAMS4@pa.gov. If the MS4 determines that submission of an electronic copy is not possible, submit a hard copy to: PA Department of Environmental Protection, Bureau of Clean Water, 400 Market Street, PO Box 8774, Harrisburg, PA 17105-8774.

PRP Implementation and Final Report: Under the PAG-13 General Permit, the permittee must achieve the required pollutant load reductions within 5 years following DEP's approval of coverage under the General Permit, and must submit a report demonstrating compliance with the minimum pollutant load reductions as an attachment to the first Annual MS4 Status Report that is due following completion of the 5th year of General Permit coverage. For example, if DEP issues written approval of coverage to a permittee on June 1, 2018, the required pollutant load reductions must be implemented by June 1, 2023 and the final report documenting the BMPs that were implemented (with appropriate calculations) must be attached to the annual report that is due September 30, 2023. In general, the same methodology used to calculate the existing pollutant loads should be used in the final report to demonstrate the reductions. If BMP effectiveness values are updated in DEP's BMP Effectiveness Values document or Chesapeake Bay Program expert panel reports between the time the PRP is approved and the time the final report is developed, those updated effectiveness values may be used.

Appendix A

MS4 Requirements Table

Appendix A-1: Applicable portion of the MS4 Requirements Table (Municipal)
Anticipated Obligations for Subsequent NPDES Permit Term

MS4 Name	NPDES ID	Individual Permit Required?	Reason	Impaired Downstream Waters or Applicable TMDL Name	Requirement(s)	Other Cause(s) of Impairment
Montgomery County						
LOWER PROVIDENCE TWP	PAG130018	Yes	TMDL Plan	Unnamed Tributaries to Stony Creek		Cause Unknown (5)
				Indian Creek	Appendix E-Siltation (5)	Cause Unknown (5), Water/Flow Variability (4c)
				Mine Run	Appendix B-Pathogens (5), Appendix E-Siltation (5)	Water/Flow Variability (4c)
				Perkiomen Creek	Appendix B-Pathogens (5)	
				Schuylkill River	Appendix C-PCB (4a)	
				Schuylkill River PCB TMDL	Appendix C-PCB (4a)	
				Skippack Creek	Appendix E-Nutrients (5)	
				Skippack Creek Watershed TMDL	TMDL Plan-Siltation (4a)	
				Unnamed Tributaries to Schuylkill River Stony Creek	Appendix E-Siltation (5) Appendix E-Siltation (5)	Water/Flow Variability (4c) Turbidity (5), Water/Flow Variability (4c)
LOWER SALFORD TWP	PAI130006	Yes	TMDL Plan, IP	Indian Creek TMDL	TMDL Plan-Nutrients (4a)	
				Indian Creek	Appendix E-Siltation (4a)	
				Perkiomen Creek	Appendix B-Pathogens (5)	
				Skippack Creek	Appendix E-Excessive Algal Growth, Nutrients (5)	
				Skippack Creek Watershed TMDL	TMDL Plan-Siltation (4a)	
				Unnamed Tributaries to Skippack Creek		Water/Flow Variability (4c)
				West Branch Skippack Creek		Water/Flow Variability (4c)
Unnamed Tributaries to Perkiomen Creek	Appendix E-Siltation (5)	Water/Flow Variability (4c)				
MARLBOROUGH TWP	PAI130513*	Yes	SP, W-I	Green Lane Reservoir	Appendix E-Organic Enrichment/Low D.O. (4a)	
MONTGOMERY TWP	PAG130016	Yes	TMDL Plan	Park Creek	Appendix B-Pathogens (5), Appendix C-PCB (5), Appendix E-Nutrients (5)	Water/Flow Variability (4c)
				Neshaminy Creek	Appendix B-Pathogens (5), Appendix E-Nutrients, Organic Enrichment/Low D.O. (5)	
				Wissahickon Creek	Appendix E-Nutrients (4a), Appendix B-Pathogens (5)	Other Habitat Alterations, Water/Flow Variability (4c)
				Warrington Lake	Appendix E-Nutrients (5)	Exotic Species (5)
				Neshaminy Creek TMDL	TMDL Plan-Siltation, Suspended Solids (4a)	
				Little Neshaminy Creek	Appendix B-Pathogens (5), Appendix C-PCB (5), Appendix E-Nutrients, Organic Enrichment/Low D.O. (5)	Water/Flow Variability (4c)
				Wissahickon TMDL	TMDL Plan-Siltation, Suspended Solids (4a)	Cause Unknown (4a)
				West Branch Neshaminy Creek	Appendix E-Excessive Algal Growth, Nutrients, Organic Enrichment/Low D.O. (5)	Water/Flow Variability (4c)
Trewellyn Creek	Appendix E-Nutrients (4a)	Water/Flow Variability (4c)				

Appendix B

Public Participation

Appendix B-1: Public Notice & Proof of Advertisement

Appendix B-2: Public Comments Received

Appendix B-3: Public Meeting Agenda and Meeting Minutes

Appendix B-4: Record of Consideration

LEGAL NOTICE

NOTICE OF PUBLIC COMMENT PERIOD AND PUBLIC MEETING for the **NPDES Stormwater Discharges from MS4 Pollutant Reduction Plan for Montgomery** (PRP). The PRP outlines the measures the Township intends to implement to reduce certain pollutants discharged from the Township storm sewer system (MS4). The PRP is based upon and is intended to supplement the Township MS4 TMDL Strategy submitted to PADEP in 2015. The PRP includes a summary of the existing loading of the pollutants of concern, a calculation of the minimum reduction required, and a selection of potential Best Management Practices (BMPs) intended to achieve the minimum required reduction. The Township is soliciting written comments on the PRP. Interested persons may submit written comments during the thirty (30) day period of July 31 through August 30, 2017. The document may be reviewed at the Township office address below weekdays between the hours of 9AM and 4PM during the comment period. The document is also available for review on the Township website (www.montgomerytwp.org). Written and verbal comments will be accepted at the public meeting scheduled at 8PM on August 28, 2017 (same night as regular BOS meeting) at the Township office address below. Comments must be submitted in writing to the attention of the Township Manager at the Township office address below or by email (lgregan@montgomerytwp.org). Comments submitted by facsimile will not be accepted. Comments, including comments submitted by email, must include the originator's name and address.

All regular meetings and work sessions of the Board will be in the Township Administration Building and are open to the public, pursuant to Section 704 of the Sunshine Act (65 Pa. C.S. §701, et seq.) At any regular meetings and work sessions of the Board, deliberation and official action may be taken on any item properly before the Board. All interested citizens of Montgomery Township may attend this meeting and will be given the opportunity to be heard at the appropriate time. Persons with disabilities, wishing to attend the Public Hearing and requiring auxiliary aid, service or other accommodations to participate, should contact the Montgomery Township Director of Administration and Human Resources at 215-393-6900.

MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS
1001 Stump Road, Montgomeryville, PA 18936
Lawrence J. Gregan, Township Manager

Appendix C

Maps

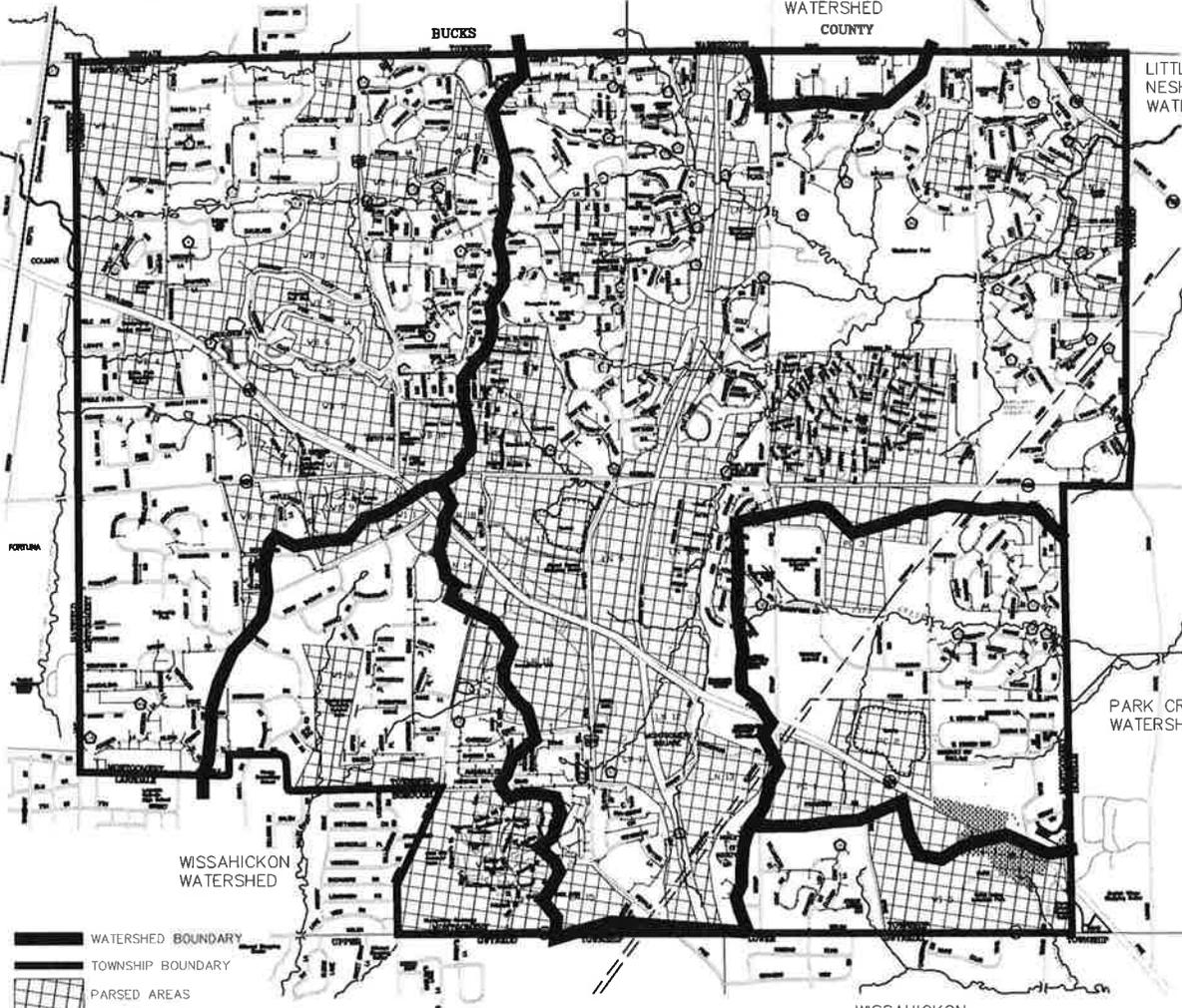
Appendix C-1: Watershed Map Drawing A-1
Appendix C-2: Basin Location Map

gis.dwg Layout: Parsed Areas Plotted By: nmcongile, on Tue Dec 15, 2015 at 10:12am

WEST BRANCH
NESHAMINY CREEK
SUB-BASIN #2

MILL CREEK
WATERSHED
COUNTY

LITTLE
NESHAMINY
WATERSHED



 WATERSHED BOUNDARY
 TOWNSHIP BOUNDARY
 PARSED AREAS

 PUBLIC ROAD
 PRIVATE ROAD
 U.S. ROUTE
 FIRE/EMERGENCY ROUTE

WATERSHED MAP DRAWING A-1

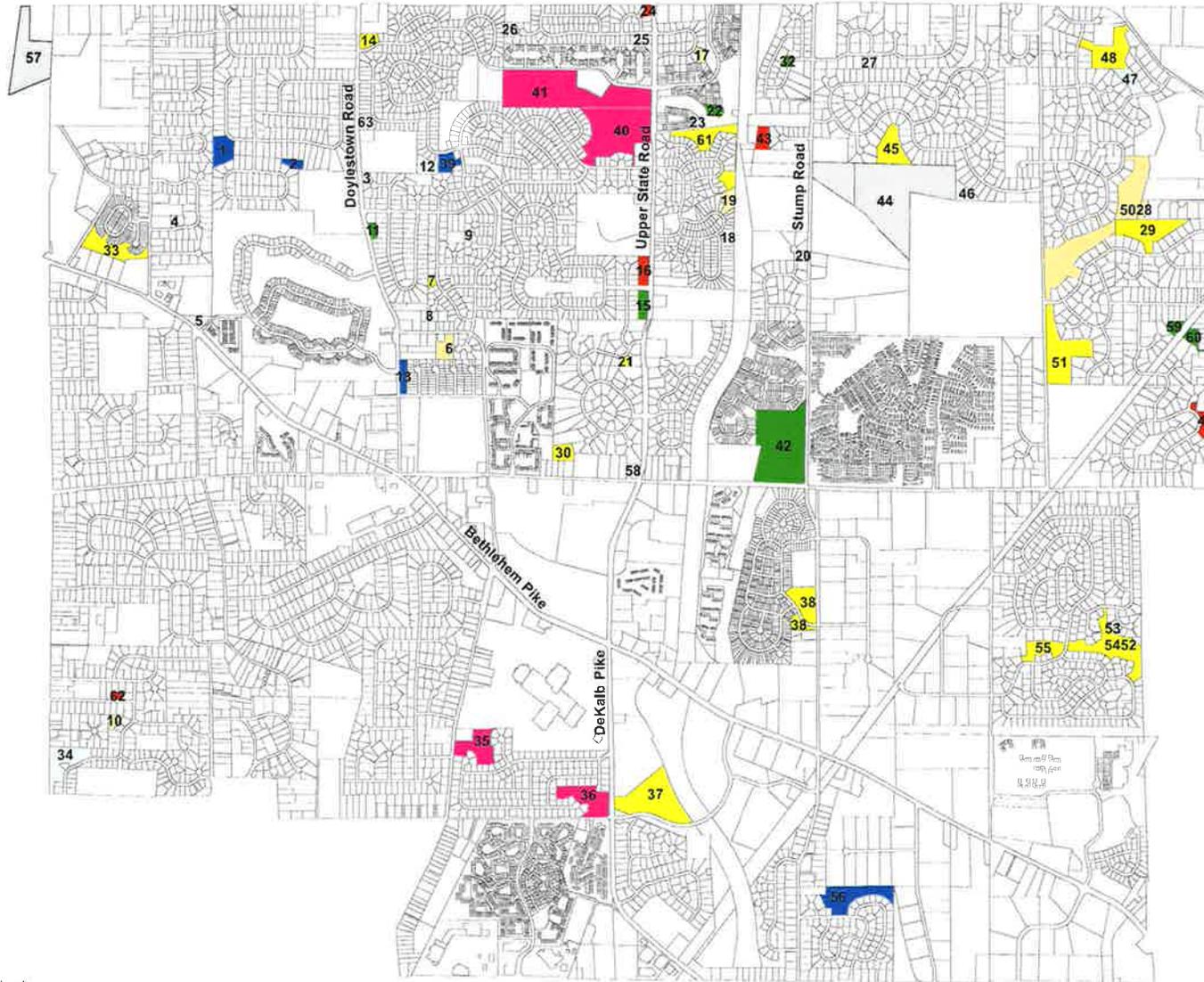
MONTGOMERY TOWNSHIP MONTGOMERY COUNTY, PENNSYLVANIA



GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

CORPORATE HEADQUARTERS
65 EAST BUTLER AVENUE, SUITE 100, NEW BRITAIN, PA 18901 • (215) 345-4330 • www.gilmore-assoc.com

JOB NO.:	DATE:	SCALE:
2011-12055	12/14/15	N.T.S.



Naturalized Basins

Year Naturalized

- 2009
- 2010
- 2011
- 2012
- 2013
- 2014

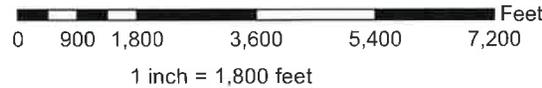
Other Basins

- Unassessed Basins
- Assessed But Not to be Naturalized

Basins

- | | |
|--------------------------------|--------------------------------|
| 1. Andrew Lane | 33. Autumn Woods Park |
| 2. Douglas Road | 34. Cambridge Knoll A |
| 3. Pauline Circle | 35. Knapp Farm |
| 4. Veronica Lane | 36. Knapp Farm |
| 5. Bethlehem Pike | 37. Wichwood Park |
| 6. Montgomery Ave. | 38. The Orchard |
| 7. Pioneer Drive | 39. Canterbury |
| 8. Walden Lane | 40. Spring Valley Park |
| 9. Torrey Circle | 41. Spring Valley Park |
| 10. Addison Lane | 42. Township Building |
| 11. Forest Trail | 43. Baker Place |
| 12. Heather Knoll* | 44. Zehr Tract |
| 13. Thornbury | 45. Mallard Pond |
| 14. Gwynmere | 46. Mallard Pond |
| 15. Stone Ridge | 47. Montgomery Lea |
| 16. Stone Ridge | 48. Montgomery Lea |
| 17. Horseshoe Lane | 49. Green Tree Tavern |
| 18. West Gate | 50. Estates of Windlesine |
| 19. West Gate | 51. Estates of Windlesine |
| 20. The Ridings | 52. Montgomery Crossing |
| 21. Montgomery Hill | 53. Montgomery Crossing |
| 22. Winners Circle | 54. Montgomery Crossing |
| 23. Winners Circle | 55. Montgomery Crossing |
| 24. Summer Ridge | 56. Gwynedd Lea |
| 25. Summer Ridge | 57. Whellessop Park (Halfhold) |
| 26. Summer Ridge | 58. Tall Gables |
| 27. Heather Lea | 59. Montgomery Hollow |
| 28. Gift Circle (Raven Hollow) | 60. Montgomery Hollow |
| 29. Gwynwood Pond | 61. Autumn Grove |
| 30. Tall Gables | 62. Magdalena |
| 32. Heather Ridge | 63. Bedford Lane |

* Basins are naturalized but have not been assessed



Montgomery Township Stormwater Management Basins

May 26, 2011

Appendix D

Existing Loading for Pollutants of Concern

Appendix D-1: EMC Table
Appendix D-2: ROW Calculations

Appendix D-1: EMC Table

	Land Cover Classification	TSS (mg/l)	TP (mg/l)	Average Annual Runoff (in/year)
Pervious Surfaces	Forest	39	0.15	4.63
	Meadow	47	0.19	4.10
	Fertilized Planting Area	55	1.34	5.53
	Native Planting Area	55	0.4	3.62
	Lawn, Low-Input	180	0.4	6.59
	Lawn, High-Input	180	2.22	5.53
	Golf Course Fairway/Green	305	1.07	6.59
	Grassed Athletic Field	200	1.07	7.39
Impervious Surfaces	Rooftop	21	0.13	43.51
	High Traffic Street/Highway	261	0.4	39.80
	Medium Traffic Street	113	0.33	23.96
	Low Traffic/Residential Street	86	0.36	22.47
	Residential Driveway, Play Courts, etc.	60	0.46	43.51
	High Traffic Parking Lot	120	0.39	43.51
	Low Traffic Parking Lot	58	0.15	43.51

Pollutant Load (lbs/year) = 2.7 (Conversion factor) x Nutrient Concentration (EMC, mg/l) x Volume (Acre-FT)

CLIENT:
MONTGOMERY TOWNSHIP
PROJECT NAME:
NPDES MS4 PERMIT RENEWAL
PROJECT NUMBER:
11-12055



Street Name	Classification	Sidewalks	Curb	Length (mi)	Length (ft)	ROW	Paved	Impervious Area (ft ²)	TSS EMC (mg/L)	Q (ft/year)	Grass Area (lbs/year)	TSS EMC (mg/L)	Q (ft/year)	Sediment Load (lbs/year)
Aaron Way	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Abbey Lane	Low Traffic	Yes	Yes	0.77	4066	50	29	154,968	86	1.88	48,312	180	0.55	1845
Acorn Place	Low Traffic	Yes	Yes	0.07	370	50	26	12,936	86	1.88	5,544	180	0.55	163
Addison Lane	Low Traffic	Yes	Yes	0.54	2851	50	28	105,494	86	1.88	37,066	180	0.55	1282
Aileen Dr.	Low Traffic	Yes	Yes	0.34	1795	50	28	66,422	86	1.88	23,338	180	0.55	807
Amber Place	Low Traffic	Yes	Yes	0.06	317	50	30	12,355	86	1.88	3,485	180	0.55	145
Andrew Lane	Low Traffic	Yes	Yes	0.81	4277	50	28	158,242	86	1.88	55,598	180	0.55	1923
Annabel Road	Low Traffic	Yes	Yes	0.38	2006	50	28	74,237	86	1.88	26,083	180	0.55	902
Applewood Lane	Low Traffic	Yes	Yes	0.33	1742	50	30	67,954	86	1.88	19,166	180	0.55	797
Arbor Lane	Low Traffic	Yes	Yes	0.07	370	50	32	15,154	86	1.88	3,326	180	0.55	172
Arbour Green Circle	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Armada Circle	Low Traffic	Yes	Yes	0.05	264	50	30	10,296	86	1.88	2,904	180	0.55	121
Arrowhead Circle	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Ashley Circle	Low Traffic	Yes	Yes	0.09	475	50	30	18,533	86	1.88	5,227	180	0.55	217
Aspen Place	Low Traffic	Yes	Yes	0.10	528	50	26	18,480	86	1.88	7,920	180	0.55	233
August Lane	Low Traffic	Yes	Yes	0.23	1214	50	26	42,504	86	1.88	18,216	180	0.55	537
Avondale Drive	Low Traffic	Yes	Yes	0.54	2851	50	26	99,792	86	1.88	42,768	180	0.55	1260
Azalea Place	Low Traffic	Yes	Yes	0.08	422	50	26	14,784	86	1.88	6,336	180	0.55	187
Bailey Drive	Low Traffic	Yes	Yes	0.19	1003	50	26	35,112	86	1.88	15,048	180	0.55	443
Baker Place	Low Traffic	Yes	Yes	0.10	528	50	26	18,480	86	1.88	7,920	180	0.55	233
Banbury Avenue	Low Traffic	Yes	Yes	0.35	1848	50	30	72,072	86	1.88	20,328	180	0.55	845
Bartlett Drive	Low Traffic	Yes	Yes	0.09	475	50	32	19,483	86	1.88	4,277	180	0.55	221
Beaumont Terrace	Low Traffic	Yes	Yes	0.10	528	50	26	18,480	86	1.88	7,920	180	0.55	233
Bedford Lane	Low Traffic	Yes	Yes	0.36	1901	50	30	74,131	86	1.88	20,909	180	0.55	869
Beechwood Drive	Low Traffic	Yes	Yes	0.45	2376	40	16	59,400	86	1.88	35,640	180	0.55	812
Bell Run Boulevard	Low Traffic	Yes	Yes	0.53	2798	50	34	120,331	86	1.88	19,589	180	0.55	1323
Bellows Way	Low Traffic	Yes	Yes	0.56	2957	50	30	115,315	86	1.88	32,525	180	0.55	1352
Blue Jay Way	Low Traffic	Yes	Yes	0.17	898	50	24	29,621	86	1.88	15,259	180	0.55	390
Bonnie Lane	Low Traffic	Yes	Yes	0.39	2059	50	26	72,072	86	1.88	30,888	180	0.55	910
Bradford Court	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Bridlepath Ln	Low Traffic	Yes	Yes	0.14	739	50	26	25,872	86	1.88	11,088	180	0.55	327
Bridlepath Road	Low Traffic	Yes	Yes	0.15	792	50	26	27,720	86	1.88	11,880	180	0.55	350
Brighton Circle	Low Traffic	Yes	Yes	0.07	370	50	26	12,936	86	1.88	5,544	180	0.55	163
Brighton Place	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Brittany Place	Low Traffic	Yes	Yes	0.06	317	50	30	12,355	86	1.88	3,485	180	0.55	145
Broad Acres Road	Low Traffic	Yes	Yes	0.46	2429	50	27	86,909	86	1.88	34,531	180	0.55	1081
Brook Circle	Low Traffic	Yes	Yes	0.06	317	50	30	12,355	86	1.88	3,485	180	0.55	145
Brookshyre Way	Low Traffic	Yes	Yes	0.17	898	50	32	36,802	86	1.88	8,078	180	0.55	417
Brookwood Road	Low Traffic	Yes	Yes	0.11	581	50	26	20,328	86	1.88	8,712	180	0.55	257
Browning Circle	Low Traffic	Yes	Yes	0.05	264	50	30	10,296	86	1.88	2,904	180	0.55	121

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Bryan Way	Low Traffic	Yes	Yes	0.20	1056	50	30	41,184	86	1.88	11,616	180	0.55	483
Buckingham Lane	Low Traffic	Yes	Yes	0.30	1584	50	28	58,608	86	1.88	20,592	180	0.55	712
Cambridge Court	Low Traffic	Yes	Yes	0.07	370	50	26	12,936	86	1.88	5,544	180	0.55	163
Camp Drive	Low Traffic	Yes	Yes	0.07	370	50	36	16,632	86	1.88	1,848	180	0.55	178
Canterbury Lane	Low Traffic	Yes	Yes	0.62	3274	50	30	127,670	86	1.88	36,010	180	0.55	1497
Carnaby Circle	Low Traffic	Yes	Yes	0.05	264	50	28	9,768	86	1.88	3,432	180	0.55	119
Carson Drive	Low Traffic	Yes	Yes	0.22	1162	50	26	40,656	86	1.88	17,424	180	0.55	513
Cathedral Dr.	Low Traffic	Yes	Yes	0.53	2798	50	30	109,138	86	1.88	30,782	180	0.55	1280
Cedar Lane	Low Traffic	Yes	Yes	0.15	792	50	26	27,720	86	1.88	11,880	180	0.55	350
Chamberlain Circle	Low Traffic	Yes	Yes	0.05	264	50	30	10,296	86	1.88	2,904	180	0.55	121
Channel House Rd.	Low Traffic	Yes	Yes	0.06	317	50	28	11,722	86	1.88	4,118	180	0.55	142
Chaps Way	Low Traffic	Yes	Yes	0.10	528	50	30	20,592	86	1.88	5,808	180	0.55	241
Chatham Place	Low Traffic	Yes	Yes	0.55	2904	50	30	113,256	86	1.88	31,944	180	0.55	1328
Chester Circle	Low Traffic	Yes	Yes	0.07	370	50	30	14,414	86	1.88	4,066	180	0.55	169
Cheswick Drive	Low Traffic	Yes	Yes	0.49	2587	50	26	90,552	86	1.88	38,808	180	0.55	1143
Churchill Circle	Low Traffic	Yes	Yes	0.08	422	50	28	15,629	86	1.88	5,491	180	0.55	190
Citadel Court	Low Traffic	Yes	Yes	0.07	370	50	30	14,414	86	1.88	4,066	180	0.55	169
Claremont Drive	Low Traffic	Yes	Yes	1.49	7867	53	32	320,760	86	1.88	95,832	180	0.55	3794
Clayton Court	Low Traffic	Yes	Yes	0.13	686	50	26	24,024	86	1.88	10,296	180	0.55	303
Cloverleaf Lane	Low Traffic	Yes	Yes	0.34	1795	50	26	62,832	86	1.88	26,928	180	0.55	793
Colt Circle	Low Traffic	Yes	Yes	0.10	528	50	30	20,592	86	1.88	5,808	180	0.55	241
Colwyn Terrace	Low Traffic	Yes	Yes	0.20	1056	50	26	36,960	86	1.88	15,840	180	0.55	467
Commerce Drive	Low Traffic	Yes	Yes	0.54	2851	50	26	99,792	86	1.88	42,768	180	0.55	1260
Compton Court	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Conrad Lane	Low Traffic	Yes	Yes	0.17	898	50	26	31,416	86	1.88	13,464	180	0.55	397
Copperleaf Circle	Low Traffic	Yes	Yes	0.07	370	50	28	13,675	86	1.88	4,805	180	0.55	166
Corporate Drive	Low Traffic	Yes	Yes	0.39	2059	50	30	80,309	86	1.88	22,651	180	0.55	942
Country Club Drive	Low Traffic	Yes	Yes	1.08	5702	50	26	199,584	86	1.88	85,536	180	0.55	2520
Country Lane	Low Traffic	Yes	Yes	0.16	845	33	26	29,568	86	1.88	-1,690	180	0.55	285
Cove Circle	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Coventry Circle	Low Traffic	Yes	Yes	0.09	475	50	30	18,533	86	1.88	5,227	180	0.55	217
Grestwood Circle	Low Traffic	Yes	Yes	0.04	211	50	30	8,237	86	1.88	2,323	180	0.55	97
Crestwood Drive	Low Traffic	Yes	Yes	0.29	1531	50	26	53,592	86	1.88	22,968	180	0.55	677
Cricklewood Circle	Low Traffic	Yes	Yes	0.32	1690	66	40	82,790	86	1.88	28,723	180	0.55	1004
Damson Lane	Low Traffic	Yes	Yes	0.07	370	50	32	15,154	86	1.88	3,326	180	0.55	172
David Lane	Low Traffic	Yes	Yes	0.09	475	50	30	18,533	86	1.88	5,227	180	0.55	217
Davis Dr.	Low Traffic	Yes	Yes	0.66	3485	50	28	128,938	86	1.88	45,302	180	0.55	1567
Dayton Drive South	Low Traffic	Yes	Yes	0.18	950	50	26	33,264	86	1.88	14,256	180	0.55	420
Deerpath Lane	Low Traffic	Yes	Yes	0.08	422	50	30	16,474	86	1.88	4,646	180	0.55	193
Devonshire Drive	Low Traffic	Yes	Yes	0.17	898	50	26	31,416	86	1.88	13,464	180	0.55	397

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Dickens Court	Low Traffic	Yes	Yes	0.08	422	50	30	16,474	86	1.88	4,646	180	0.55	193
Domorah Drive	Low Traffic	Yes	Yes	0.31	1637	50	30	63,835	86	1.88	18,005	180	0.55	749
Dorter Ln	Low Traffic	Yes	Yes	0.13	686	50	28	25,397	86	1.88	8,923	180	0.55	309
Douglas Road	Low Traffic	Yes	Yes	0.51	2693	50	28	99,634	86	1.88	35,006	180	0.55	1211
Drake Lane	Low Traffic	Yes	Yes	0.61	3221	50	30	125,611	86	1.88	35,429	180	0.55	1473
Drayton Circle	Low Traffic	Yes	Yes	0.09	475	50	30	18,533	86	1.88	5,227	180	0.55	217
Duchess Place	Low Traffic	Yes	Yes	0.05	264	50	30	10,296	86	1.88	2,904	180	0.55	121
Durham Way	Low Traffic	Yes	Yes	0.18	950	50	30	37,066	86	1.88	10,454	180	0.55	435
Eagle Lane	Low Traffic	Yes	Yes	0.16	845	50	26	29,568	86	1.88	12,672	180	0.55	373
Eaton Drive	Low Traffic	Yes	Yes	0.15	792	50	26	27,720	86	1.88	11,880	180	0.55	350
Edgar Allen Circle	Low Traffic	Yes	Yes	0.08	422	50	28	15,629	86	1.88	5,491	180	0.55	190
Elberta Drive	Low Traffic	Yes	Yes	0.08	422	50	32	17,318	86	1.88	3,802	180	0.55	196
Embassy Drive	Low Traffic	Yes	Yes	0.21	1109	50	30	43,243	86	1.88	12,197	180	0.55	507
Enterprise Drive	Low Traffic	Yes	Yes	0.15	792	50	26	27,720	86	1.88	11,880	180	0.55	350
Fairacres Drive	Low Traffic	Yes	Yes	0.15	792	80	64	57,816	86	1.88	5,544	180	0.55	612
Fairview Drive	Low Traffic	Yes	Yes	0.21	1109	50	30	43,243	86	1.88	12,197	180	0.55	507
Falling Leaf Way	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Field Terrace	Low Traffic	Yes	Yes	0.10	528	50	26	18,480	86	1.88	7,920	180	0.55	233
Forest Trail Drive	Low Traffic	Yes	Yes	0.66	3485	58	26	121,968	86	1.88	79,728	180	0.55	1708
Freedom Way	Low Traffic	Yes	Yes	0.23	1214	50	34	52,219	86	1.88	8,501	180	0.55	574
Gift Circle	Low Traffic	Yes	Yes	0.10	528	50	24	17,424	86	1.88	8,976	180	0.55	229
Glasgow Circle	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Glen Road	Low Traffic	Yes	Yes	0.28	1478	50	26	51,744	86	1.88	22,176	180	0.55	653
Goodwin Lane	Low Traffic	Yes	Yes	0.33	1742	50	28	64,469	86	1.88	22,651	180	0.55	783
Gordon Lane	Low Traffic	Yes	Yes	0.22	1162	50	24	38,333	86	1.88	19,747	180	0.55	504
Grays Lane	Low Traffic	Yes	Yes	0.77	4066	50	30	158,558	86	1.88	44,722	180	0.55	1859
Green Spring Circle	Low Traffic	Yes	Yes	0.15	792	50	26	27,720	86	1.88	11,880	180	0.55	350
Green Tree Tavern	Low Traffic	Yes	Yes	0.82	4330	50	28	160,195	86	1.88	56,285	180	0.55	1947
Greenbriar Road	Low Traffic	Yes	Yes	0.16	845	50	26	29,568	86	1.88	12,672	180	0.55	373
Grouse Court	Low Traffic	Yes	Yes	0.05	264	50	28	9,768	86	1.88	3,432	180	0.55	119
Guilford Court	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Guinness Lane	Low Traffic	Yes	Yes	0.16	845	50	30	32,947	86	1.88	9,293	180	0.55	386
Gwynedd Lea Drive	Low Traffic	Yes	Yes	0.42	2218	50	26	77,616	86	1.88	33,264	180	0.55	980
Gwynmont Circle	Low Traffic	Yes	Yes	0.26	1373	50	30	53,539	86	1.88	15,101	180	0.55	628
Gwynmont Drive	Low Traffic	Yes	Yes	0.39	2059	50	32	84,427	86	1.88	18,533	180	0.55	958
Halloway Circle	Low Traffic	Yes	Yes	0.07	370	50	30	14,414	86	1.88	4,066	180	0.55	169
Hampton Circle	Low Traffic	Yes	Yes	0.09	475	50	26	16,632	86	1.88	7,128	180	0.55	210
Hanover Avenue	Low Traffic	Yes	Yes	0.27	1426	50	30	55,598	86	1.88	15,682	180	0.55	652
Harbob Lane	Low Traffic	Yes	Yes	0.11	581	50	26	20,328	86	1.88	8,712	180	0.55	257
Hawthorne Circle	Low Traffic	Yes	Yes	0.46	2429	50	26	85,008	86	1.88	36,432	180	0.55	1073

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Hawthorne Drive	Low Traffic	Yes	Yes	0.54	2851	50	26	99,792	86	1.88	42,768	180	0.55	1260
Heartwood Drive	Low Traffic	Yes	Yes	0.53	2798	50	26	97,944	86	1.88	41,976	180	0.55	1237
Hedgegrow Place	Low Traffic	Yes	Yes	0.07	370	50	26	12,936	86	1.88	5,544	180	0.55	163
Hemlock Drive	Low Traffic	Yes	Yes	0.48	2534	50	26	88,704	86	1.88	38,016	180	0.55	1120
Henning Drive	Low Traffic	Yes	Yes	0.11	581	50	32	23,813	86	1.88	5,227	180	0.55	270
Heritage Drive	Low Traffic	Yes	Yes	0.03	158	50	26	5,544	86	1.88	2,376	180	0.55	70
Heron Court	Low Traffic	Yes	Yes	0.09	475	50	28	17,582	86	1.88	6,178	180	0.55	214
Holl Court	Low Traffic	Yes	Yes	0.06	317	50	28	11,722	86	1.88	4,118	180	0.55	142
Holly Drive	Low Traffic	Yes	Yes	0.52	2746	50	26	96,096	86	1.88	41,184	180	0.55	1213
Horseshoe Lane	Low Traffic	Yes	Yes	0.31	1637	50	30	63,835	86	1.88	18,005	180	0.55	749
Independence Dr.	Low Traffic	Yes	Yes	0.61	3221	50	26	112,728	86	1.88	48,312	180	0.55	1423
Jason Place	Low Traffic	Yes	Yes	0.10	528	50	26	18,480	86	1.88	7,920	180	0.55	233
Jonathan Drive	Low Traffic	Yes	Yes	0.33	1742	50	32	71,438	86	1.88	15,682	180	0.55	810
Kelsey Drive	Low Traffic	Yes	Yes	0.32	1690	50	26	59,136	86	1.88	25,344	180	0.55	747
Kent Drive	Low Traffic	Yes	Yes	0.31	1637	50	26	57,288	86	1.88	24,552	180	0.55	723
Keystone Drive	Low Traffic	Yes	Yes	0.55	2904	50	30	113,256	86	1.88	31,944	180	0.55	1328
Kingston Way	Low Traffic	Yes	Yes	0.34	1795	50	26	62,832	86	1.88	26,928	180	0.55	793
Knapp Road	Medium Traffic	Yes	Yes	1.23	6494	33	24	214,315	113	1.88	0	180	0.55	2815
Knollwood Drive	Low Traffic	Yes	Yes	0.27	1426	50	26	49,896	86	1.88	21,384	180	0.55	630
Lantern Lane	Low Traffic	Yes	Yes	0.15	792	50	26	27,720	86	1.88	11,880	180	0.55	350
Lawn Avenue	Low Traffic	Yes	Yes	0.47	2482	50	26	86,856	86	1.88	37,224	180	0.55	1097
Lea Drive	Low Traffic	Yes	Yes	0.17	898	50	33	37,699	86	1.88	7,181	180	0.55	421
Lenape Drive	Low Traffic	Yes	Yes	0.15	792	50	26	27,720	86	1.88	11,880	180	0.55	350
Lindsey Place	Low Traffic	Yes	Yes	0.05	264	50	30	10,296	86	1.88	2,904	180	0.55	121
Line Street	Low Traffic	Yes	Yes	0.84	4435	40	24	146,362	86	1.88	31,046	180	0.55	1653
Longleat Drive	Low Traffic	Yes	Yes	0.34	1795	50	30	70,013	86	1.88	19,747	180	0.55	821
Lower State Road	Medium Traffic	Yes	Yes	0.61	3221	33	18	86,962	113	1.88	19,325	180	0.55	1261
Macintosh Lane	Low Traffic	Yes	Yes	0.07	370	50	32	15,154	86	1.88	3,326	180	0.55	172
Madison Court	Low Traffic	Yes	Yes	0.07	370	50	26	12,936	86	1.88	5,544	180	0.55	163
Magdalena Lane	Low Traffic	Yes	Yes	0.27	1426	50	26	49,896	86	1.88	21,384	180	0.55	630
Magella Court	Low Traffic	Yes	Yes	0.08	422	50	28	15,629	86	1.88	5,491	180	0.55	190
Magnolia Place	Low Traffic	Yes	Yes	0.08	422	50	26	14,784	86	1.88	6,336	180	0.55	187
Major Drive	Low Traffic	Yes	Yes	0.17	898	50	28	33,211	86	1.88	11,669	180	0.55	404
Mallard Drive	Low Traffic	Yes	Yes	1.46	7709	50	28	285,226	86	1.88	100,214	180	0.55	3466
Manor Drive	Low Traffic	Yes	Yes	0.19	1003	50	28	37,118	86	1.88	13,042	180	0.55	451
Matthew Drive	Low Traffic	Yes	Yes	0.28	1478	50	26	51,744	86	1.88	22,176	180	0.55	653
McLaughlin Road	Low Traffic	Yes	Yes	0.15	792	33	10	15,048	86	1.88	11,088	180	0.55	218
Meadow Glen Rd.	Low Traffic	Yes	Yes	0.34	1795	50	26	62,832	86	1.88	26,928	180	0.55	793
Meadowood Dr.	Low Traffic	Yes	Yes	0.40	2112	50	26	73,920	86	1.88	31,680	180	0.55	933
Mele Avenue	Low Traffic	Yes	Yes	0.20	1056	50	26	36,960	86	1.88	15,840	180	0.55	467

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Merton Circle	Low Traffic	Yes	Yes	0.08	422	50	30	16,474	86	1.88	4,646	180	0.55	193
MontClair Drive	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Montg. Glen Drive	Low Traffic	Yes	Yes	0.66	3485	50	32	142,877	86	1.88	31,363	180	0.55	1620
Morgan St.	Low Traffic	Yes	Yes	0.04	211	50	50	12,461	86	1.88	-1,901	180	0.55	113
Morningside Drive	Low Traffic	Yes	Yes	0.40	2112	50	22	65,472	86	1.88	40,128	180	0.55	901
Narcissus Place	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Nevermore Circle	Low Traffic	Yes	Yes	0.05	264	50	28	9,768	86	1.88	3,432	180	0.55	119
Newport Lane	Low Traffic	Yes	Yes	0.44	2323	50	30	90,605	86	1.88	25,555	180	0.55	1062
Noble Court	Low Traffic	Yes	Yes	0.06	317	50	30	12,355	86	1.88	3,485	180	0.55	145
North Wales Road	Medium Traffic	Yes	Yes	0.77	4066	43	31	161,304	113	1.88	15,048	180	0.55	2211
Notingham Way	Low Traffic	Yes	Yes	0.09	475	50	28	17,582	86	1.88	6,178	180	0.55	214
Old Oak Tree Road	Low Traffic	Yes	Yes	0.09	475	50	30	18,533	86	1.88	5,227	180	0.55	217
Orchard Drive	Low Traffic	Yes	Yes	0.42	2218	50	32	90,922	86	1.88	19,958	180	0.55	1031
Oval Lane	Low Traffic	Yes	Yes	0.06	317	50	30	12,355	86	1.88	3,485	180	0.55	145
Oxford Lane	Low Traffic	Yes	Yes	0.33	1742	50	30	67,954	86	1.88	19,166	180	0.55	797
Park Drive	Low Traffic	Yes	Yes	0.43	2270	60	40	111,250	86	1.88	24,974	180	0.55	1265
Parliament Drive	Low Traffic	Yes	Yes	0.05	264	50	28	9,768	86	1.88	3,432	180	0.55	119
Pauline Circle	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Pecan Drive	Low Traffic	Yes	Yes	0.38	2006	40	16	50,160	86	1.88	30,096	180	0.55	686
Pemberton Court	Low Traffic	Yes	Yes	0.11	581	50	26	20,328	86	1.88	8,712	180	0.55	257
Pendulum Way	Low Traffic	Yes	Yes	0.07	370	50	28	13,675	86	1.88	4,805	180	0.55	166
Pine Crest Lane	Low Traffic	Yes	Yes	0.68	3590	50	26	125,664	86	1.88	53,856	180	0.55	1586
Pintail Court	Low Traffic	Yes	Yes	0.07	370	50	28	13,675	86	1.88	4,805	180	0.55	166
Pioneer Drive	Low Traffic	Yes	Yes	0.35	1848	50	28	68,270	86	1.88	24,130	180	0.55	830
Pioneer Spur	Low Traffic	Yes	Yes	0.13	686	50	30	26,770	86	1.88	7,550	180	0.55	314
Poe Court	Low Traffic	Yes	Yes	0.22	1162	50	28	42,979	86	1.88	15,101	180	0.55	522
Potters Way	Low Traffic	Yes	Yes	0.06	317	50	28	11,722	86	1.88	4,118	180	0.55	142
Preston Drive	Low Traffic	Yes	Yes	0.30	1584	50	30	61,776	86	1.88	17,424	180	0.55	724
Progress Drive	Low Traffic	Yes	Yes	0.23	1214	50	30	47,362	86	1.88	13,358	180	0.55	555
Quail Ct.	Low Traffic	Yes	Yes	0.09	475	50	28	17,582	86	1.88	6,178	180	0.55	214
Raven Hollow Drive	Low Traffic	Yes	Yes	0.72	3802	50	28	140,659	86	1.88	49,421	180	0.55	1709
Ravenwood Place	Low Traffic	Yes	Yes	0.10	528	50	30	20,592	86	1.88	5,808	180	0.55	241
Red Haven Drive	Low Traffic	Yes	Yes	0.46	2429	50	32	99,581	86	1.88	21,859	180	0.55	1129
Regency Drive	Low Traffic	Yes	Yes	1.07	5650	50	30	220,334	86	1.88	62,146	180	0.55	2584
Richardson Road	Low Traffic	Yes	Yes	0.96	5069	33	18	136,858	86	1.88	30,413	180	0.55	1554
Ridgeview Road	Low Traffic	Yes	Yes	0.21	1109	50	26	38,808	86	1.88	16,632	180	0.55	490
Rose Lane	Low Traffic	Yes	Yes	0.13	686	50	26	24,024	86	1.88	10,296	180	0.55	303
Rosetwig Ln	Low Traffic	Yes	Yes	0.32	1690	50	33	70,963	86	1.88	13,517	180	0.55	792
Rosewood Drive	Low Traffic	Yes	Yes	0.38	2006	50	26	70,224	86	1.88	30,096	180	0.55	887
Ross Court	Low Traffic	Yes	Yes	0.05	264	50	30	10,296	86	1.88	2,904	180	0.55	121

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Street Name	Classification	Sidewalks	Curb	Length (mi)	Length (ft)	ROW	Paved	Impervious Area (ft ²)	TSS EMC (mg/L)	Q (ft/year)	Grass Area (lbs/year)	TSS EMC (mg/L)	Q (ft/year)	Sediment Load (lbs/year)
Royal Court	Low Traffic	Yes	Yes	0.10	528	50	30	20,592	86	1.88	5,808	180	0.55	241
Runnymede Drive	Low Traffic	Yes	Yes	0.25	1320	50	30	51,480	86	1.88	14,520	180	0.55	604
S. Buckingham Lane	Low Traffic	Yes	Yes	0.16	845	50	28	31,258	86	1.88	10,982	180	0.55	380
Samantha Lane	Low Traffic	Yes	Yes	0.16	845	50	30	32,947	86	1.88	9,293	180	0.55	386
Sassafras Drive	Low Traffic	Yes	Yes	0.17	898	50	26	31,416	86	1.88	13,464	180	0.55	397
Savory Lane	Low Traffic	Yes	Yes	0.32	1690	50	30	65,894	86	1.88	18,586	180	0.55	773
Schriener Drive	Low Traffic	Yes	Yes	0.52	2746	50	25	93,984	86	1.88	43,296	180	0.55	1205
Scott Circle	Low Traffic	Yes	Yes	0.12	634	50	26	22,176	86	1.88	9,504	180	0.55	280
Shady Lane	Low Traffic	Yes	Yes	0.48	2534	50	26	88,704	86	1.88	38,016	180	0.55	1120
Shelburne Drive	Low Traffic	Yes	Yes	0.31	1637	50	26	57,288	86	1.88	24,552	180	0.55	723
Simpson Court	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Society Circle	Low Traffic	Yes	Yes	0.07	370	50	30	14,414	86	1.88	4,066	180	0.55	169
South Drive	Low Traffic	Yes	Yes	0.10	528	50	22	16,368	86	1.88	10,032	180	0.55	225
Sparks Circle	Low Traffic	Yes	Yes	0.08	422	50	26	14,784	86	1.88	6,336	180	0.55	187
Spring Valley Drive	Low Traffic	Yes	Yes	0.36	1901	50	24	62,726	86	1.88	32,314	180	0.55	825
Springdale Lane	Low Traffic	Yes	Yes	0.24	1267	50	30	49,421	86	1.88	13,939	180	0.55	579
Spur Rd.	Low Traffic	Yes	Yes	0.35	1848	50	28	68,376	86	1.88	24,024	180	0.55	831
Stafford Circle	Low Traffic	Yes	Yes	0.09	475	50	30	18,533	86	1.88	5,227	180	0.55	217
Stayman Drive	Low Traffic	Yes	Yes	0.32	1690	50	32	69,274	86	1.88	15,206	180	0.55	786
Steeplechase Dr.	Low Traffic	Yes	Yes	0.48	2534	50	30	98,842	86	1.88	27,878	180	0.55	1159
Sterling Drive	Low Traffic	Yes	Yes	0.24	1267	50	26	44,352	86	1.88	19,008	180	0.55	560
Stevens Mill Rd.	Low Traffic	Yes	Yes	0.47	2482	50	28	91,819	86	1.88	32,261	180	0.55	1116
Stone Ridge Drive	Low Traffic	Yes	Yes	0.43	2270	50	29	86,117	86	1.88	27,403	180	0.55	1029
Stoney Court	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Stump Road	Medium Traffic	Yes	Yes	3.20	16896	33	18	456,192	113	1.88	101,376	180	0.55	6613
Summer Ridge Dr.	Low Traffic	Yes	Yes	0.45	2376	50	26	83,160	86	1.88	35,640	180	0.55	1050
Summit Place	Low Traffic	Yes	Yes	0.07	370	50	26	12,936	86	1.88	5,544	180	0.55	163
Sunrise Drive	Low Traffic	Yes	Yes	0.44	2323	50	26	81,312	86	1.88	34,848	180	0.55	1027
Sunset Drive	Low Traffic	Yes	Yes	0.30	1584	50	22	49,104	86	1.88	30,096	180	0.55	675
Swallow Court	Low Traffic	Yes	Yes	0.06	317	50	28	11,722	86	1.88	4,118	180	0.55	142
Swan Court	Low Traffic	Yes	Yes	0.10	528	50	28	19,536	86	1.88	6,864	180	0.55	237
Sycamore Drive	Low Traffic	Yes	Yes	0.21	1109	40	16	27,720	86	1.88	16,632	180	0.55	379
Tanglewood Drive	Low Traffic	Yes	Yes	0.11	581	50	26	20,328	86	1.88	8,712	180	0.55	257
Tennyson Lane	Low Traffic	Yes	Yes	0.32	1690	50	30	65,894	86	1.88	18,586	180	0.55	773
Thames Drive	Low Traffic	Yes	Yes	0.40	2112	50	30	82,368	86	1.88	23,232	180	0.55	966
Thatcher Court	Low Traffic	Yes	Yes	0.05	264	50	28	9,768	86	1.88	3,432	180	0.55	119
Torey Circle	Low Traffic	Yes	Yes	0.07	370	50	30	14,414	86	1.88	4,066	180	0.55	169
Tracey Circle	Low Traffic	Yes	Yes	0.06	317	50	28	11,722	86	1.88	4,118	180	0.55	142
Tree Line Drive	Low Traffic	Yes	Yes	0.55	2904	50	26	101,640	86	1.88	43,560	180	0.55	1283
Trotter Lane	Low Traffic	Yes	Yes	0.14	739	50	32	30,307	86	1.88	6,653	180	0.55	344

CLIENT:
MONTGOMERY TOWNSHIP
PROJECT NAME:
NPDES MS4 PERMIT RENEWAL
PROJECT NUMBER:
11-12055



Street Name	Classification	Sidewalks	Curb	Length (mi)	Length (ft)	ROW	Paved	Impervious Area (ft ²)	TSS EMC (mg/L)	Q (ft/year)	Grass Area (lbs/year)	TSS EMC (mg/L)	Q (ft/year)	Sediment Load (lbs/year)
Tudor Drive	Low Traffic	Yes	Yes	0.91	4805	50	30	187,387	86	1.88	52,853	180	0.55	2197
Twining Road	Low Traffic	Yes	Yes	0.68	3590	50	30	140,026	86	1.88	39,494	180	0.55	1642
Usher Lane	Low Traffic	Yes	Yes	0.22	1162	50	28	42,979	86	1.88	15,101	180	0.55	522
Veronica Lane	Low Traffic	Yes	Yes	0.22	1162	50	28	42,979	86	1.88	15,101	180	0.55	522
Village Drive	Low Traffic	Yes	Yes	0.12	634	50	26	22,176	86	1.88	9,504	180	0.55	280
Vilsmeier Road	Low Traffic	Yes	Yes	0.75	3960	50	16	99,000	86	1.88	99,000	180	0.55	1597
Virginia	Low Traffic	Yes	Yes	0.06	317	50	28	11,722	86	1.88	4,118	180	0.55	142
Walden Circle	Low Traffic	Yes	Yes	0.06	317	50	30	12,355	86	1.88	3,485	180	0.55	145
Walden Court	Low Traffic	Yes	Yes	0.07	370	50	32	15,154	86	1.88	3,326	180	0.55	172
Walden Lane	Low Traffic	Yes	Yes	0.10	528	50	30	20,592	86	1.88	5,808	180	0.55	241
Wentworth Drive	Low Traffic	Yes	Yes	0.40	2112	50	28	78,144	86	1.88	27,456	180	0.55	950
West Thomas Rd.	Low Traffic	Yes	Yes	0.47	2482	50	16	62,040	86	1.88	62,040	180	0.55	1001
Westgate Drive	Low Traffic	Yes	Yes	0.37	1954	50	27	70,910	86	1.88	26,770	180	0.55	873
Westminster Drive	Low Traffic	Yes	Yes	0.54	2851	50	28	105,494	86	1.88	37,066	180	0.55	1282
Weston Court	Low Traffic	Yes	Yes	0.08	422	50	30	16,474	86	1.88	4,646	180	0.55	193
Weymouth Circle	Low Traffic	Yes	Yes	0.06	317	50	30	12,355	86	1.88	3,485	180	0.55	145
White Pines Drive	Low Traffic	Yes	Yes	0.26	1373	50	26	48,048	86	1.88	20,592	180	0.55	607
Willowood Court	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Winter Drive	Low Traffic	Yes	Yes	0.28	1478	50	26	51,744	86	1.88	22,176	180	0.55	653
Witchwood Drive	Low Traffic	Yes	Yes	0.28	1478	50	40	72,442	86	1.88	1,478	180	0.55	733
Woodland Dr.	Low Traffic	Yes	Yes	0.52	2746	50	26	96,096	86	1.88	41,184	180	0.55	1213
Woodlea Terrace	Low Traffic	Yes	Yes	0.07	370	50	32	15,154	86	1.88	3,326	180	0.55	172
Wordsworth Lane	Low Traffic	Yes	Yes	0.07	370	50	30	14,414	86	1.88	4,066	180	0.55	169
Wren Court	Low Traffic	Yes	Yes	0.05	264	50	28	9,768	86	1.88	3,432	180	0.55	119
Wrights Circle	Low Traffic	Yes	Yes	0.06	317	50	28	11,722	86	1.88	4,118	180	0.55	142
TOTAL								13,941,998			4,745,770			171,353
Neshaminy West Branch	25%							3,485,500			1,186,442			42,838
Little Neshaminy	60%							8,365,199			2,847,462			102,812
Wissahickon	15%							2,091,300			711,865			25,703

Appendix E

Loading Reduction Calculations

Appendix E-1:	Existing Naturalized Basins Loading Reduction Calculations
Appendix E-2:	Proposed Naturalized Basins Loading Reduction Calculations

CLIENT:
MONTGOMERY TOWNSHIP
PROJECT NAME:
NPDES MS4 PERMIT RENEWAL
PROJECT NUMBER:
11-12055



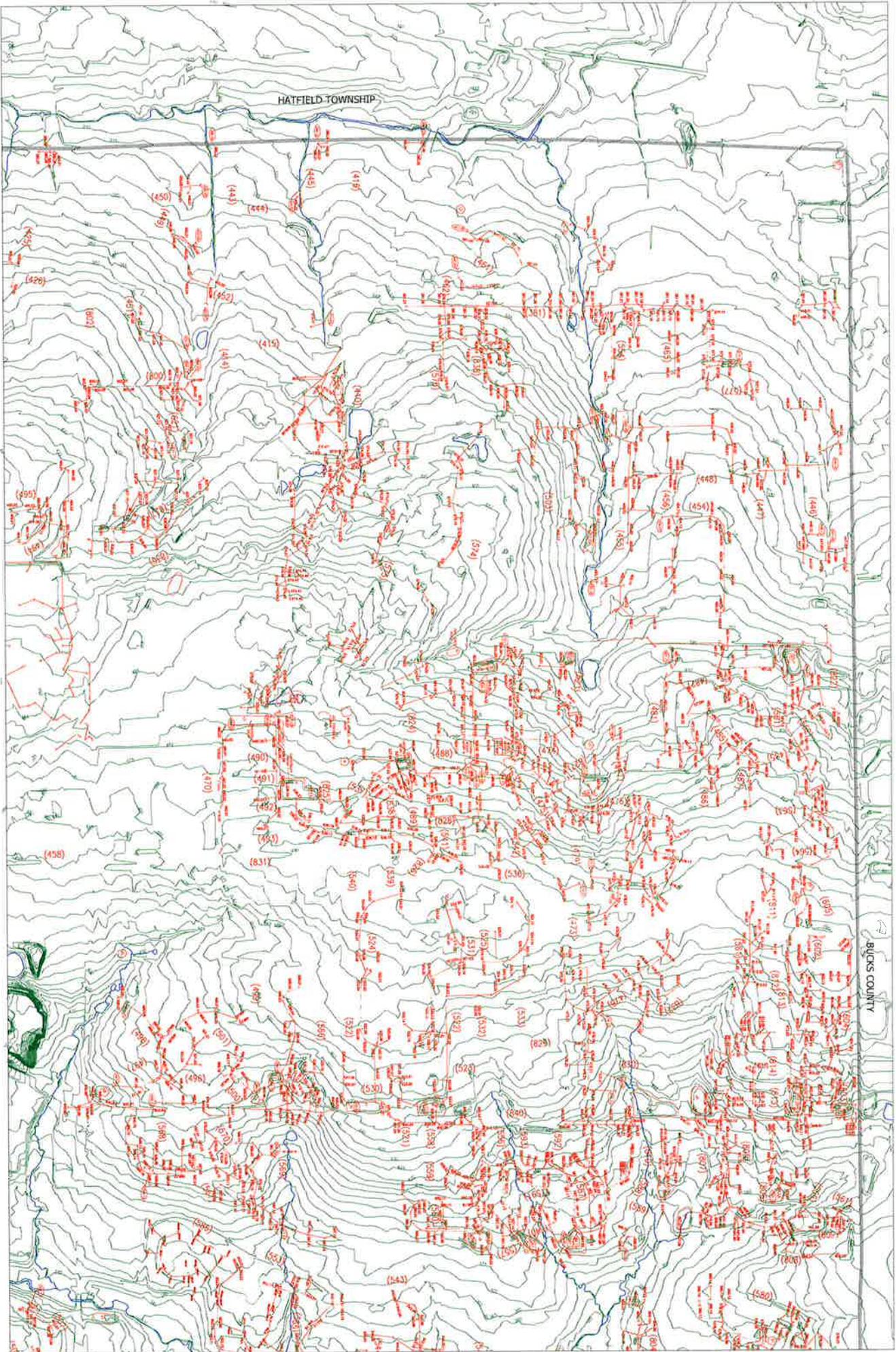
No.	LOCATION	YEAR NATURALIZED	WATERSHED	TRIBUTARY AREA (ac)	25% IMPERVIOUS COVER (ac)	RUNOFF DEPTH (in)	EMC TSS (mg/L)	IMPERVIOUS SEDIMENT (Lb/year)	75% LAWN COVER (ac)	RUNOFF DEPTH (in)	EMC TSS (mg/L)	LAWN SEDIMENT (Lb/year)	TOTAL SEDIMENT (Lb/year)	25% SEDIMENT REDUCTION (Lb/year)
24	Summer Ridge	2009	LN	16.5	4.1	43.51	35	1,413	12.375	6.59	180	3,303	4,716	1,179
35	Knapp Farm	2009	LN	41.8	10.5	43.51	35	3,581	31.35	6.59	180	8,367	11,948	2,987
40	Spring Valley Park	2009	LN	29.2	7.3	43.51	35	2,501	21.9	6.59	180	5,845	8,346	2,087
41	Spring Valley Park	2009	LN	54.7	13.7	43.51	35	4,686	41.025	6.59	180	10,949	15,635	3,909
56	Gwynedd Lea	2010	LN	35.9	9.0	43.51	35	3,075	26.925	6.59	180	7,186	10,261	2,565
15	Stone Ridge	2011	LN	40.2	10.0	43.51	35	3,439	30.1125	6.59	180	8,037	11,476	2,869
16	Stone Ridge	2011	LN	40.2	10.0	43.51	35	3,439	30.1125	6.59	180	8,037	11,476	2,869
22	Winners Circle	2011	LN	22.9	5.7	43.51	35	1,962	17.175	6.59	180	4,584	6,546	1,636
32	Heather Ridge	2011	LN	14.9	3.7	43.51	35	1,276	11.175	6.59	180	2,983	4,259	1,065
42	Township Building	2011	LN	4.0	1.0	43.51	35	343	3	6.59	180	801	1,143	286
59	Montgomery Hollow	2011	LN	11.5	2.9	43.51	35	985	8.625	6.59	180	2,302	3,287	822
60	Montgomery Hollow	2011	LN	10.4	2.6	43.51	35	891	7.8	6.59	180	2,082	2,973	743
21	Montgomery Hill	2012	LN	37.0	9.3	43.51	35	3,169	27.75	6.59	180	7,406	10,576	2,644
29	Gwynwood Pond	2012	LN	18.2	4.6	43.51	35	1,559	13.65	6.59	180	3,643	5,202	1,301
30	Tall Gables	2012	LN	16.8	4.2	43.51	35	1,439	12.6	6.59	180	3,363	4,802	1,200
38	The Orchard	2012	LN	13.4	3.4	43.51	35	1,148	10.05	6.59	180	2,682	3,830	958
45	Mallard Pond	2012	LN	26.9	6.7	43.51	35	2,307	20.2	6.59	180	5,391	7,698	1,925
48	Montgomery Lea	2012	LN	48.0	12.0	43.51	35	4,112	36	6.59	180	9,608	13,720	3,430
51	Estates of Windlestrae	2012	LN	15.0	3.8	43.51	35	1,285	11.25	6.59	180	3,003	4,287	1,072
52	Montgomery Crossing	2012	LN	52.4	13.1	43.51	35	4,491	39.325	6.59	180	10,496	14,987	3,747
53	Montgomery Crossing	2012	LN	52.4	13.1	43.51	35	4,491	39.325	6.59	180	10,496	14,987	3,747
54	Montgomery Crossing	2012	LN	52.4	13.1	43.51	35	4,491	39.325	6.59	180	10,496	14,987	3,747
55	Montgomery Crossing	2012	LN	22.3	5.6	43.51	35	1,910	16.725	6.59	180	4,464	6,374	1,594
61	Autumn Grove	2012	LN	3.8	1.0	43.51	35	326	2.85	6.59	180	761	1,086	272
17	Horseshoe Lane	2013	LN	14.2	3.6	43.51	35	1,216	10.65	6.59	180	2,842	4,059	1,015
19	West Gate	2013	LN	43.9	11.0	43.51	35	3,760	32.925	6.59	180	8,788	12,548	3,137
28	Gift Circle (Raven Hollow)	2013	LN	6.0	1.5	43.51	35	514	4.5	6.59	180	1,201	1,715	429
50	Estates of Windlestrae	2013	LN	23.1	5.8	43.51	35	1,979	17.325	6.59	180	4,624	6,603	1,651
43	Baker Place	2014	LN	26.9	6.7	43.51	35	2,307	20.2	6.59	180	5,391	7,698	1,925
49	Green Tree Tavern	2014	LN	54.8	13.7	43.51	35	4,694	41.1	6.59	180	10,969	15,664	3,916
36	Knapp Farm	2009	W	22.5	5.6	43.51	35	1,927	16.875	6.59	180	4,504	6,431	1,608
1	Andrew Lane	2010	WB	73.0	18.3	43.51	35	6,253	54.75	6.59	180	14,613	20,866	5,216
2	Douglas Road	2010	WB	8.7	2.2	43.51	35	745	6.525	6.59	180	1,741	2,487	622
13	Thornbury	2010	WB	21.2	5.3	43.51	35	1,815	15.8875	6.59	180	4,240	6,055	1,514
39	Canterbury	2010	WB	57.7	14.4	43.51	35	4,943	43.275	6.59	180	11,550	16,492	4,123
11	Forest Trail	2011	WB	21.2	5.3	43.51	35	1,815	15.8875	6.59	180	4,240	6,055	1,514
7	Pioneer Drive	2012	WB	21.2	5.3	43.51	35	1,815	15.8875	6.59	180	4,240	6,055	1,514
14	Gwynmere	2012	WB	22.0	5.5	43.51	35	1,885	16.5	6.59	180	4,404	6,288	1,572
33	Autumn Woods Park	2012	WB	15.5	3.9	43.51	35	1,328	11.625	6.59	180	3,103	4,430	1,108
6	Montgomery Ave.	2013	WB	21.2	5.3	43.51	35	1,815	15.8875	6.59	180	4,240	6,055	1,514
9	Torey Circle	2013	WB	21.2	5.3	43.51	35	1,815	15.8875	6.59	180	4,240	6,055	1,514
10	Addison Lane	2013	WB	16.3	4.1	43.51	35	1,396	12.225	6.59	180	3,263	4,659	1,165
62	Magdalena	2014	WB	35.7	8.9	43.51	35	3,058	26.775	6.59	180	7,146	10,204	2,551

CLIENT:
 MONTGOMERY TOWNSHIP
PROJECT NAME:
 NPDES MS4 PERMIT RENEWAL
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 11-12055

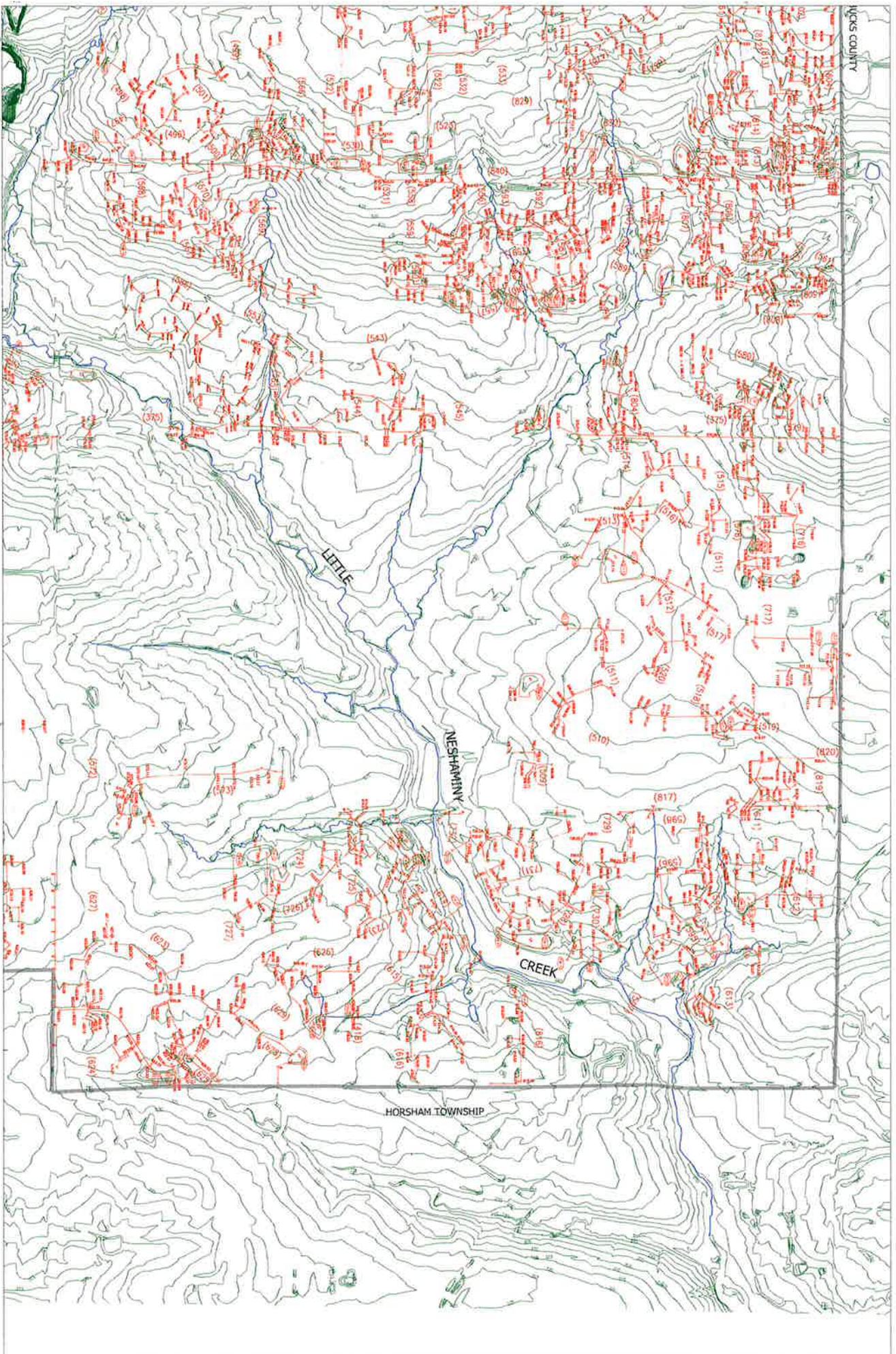


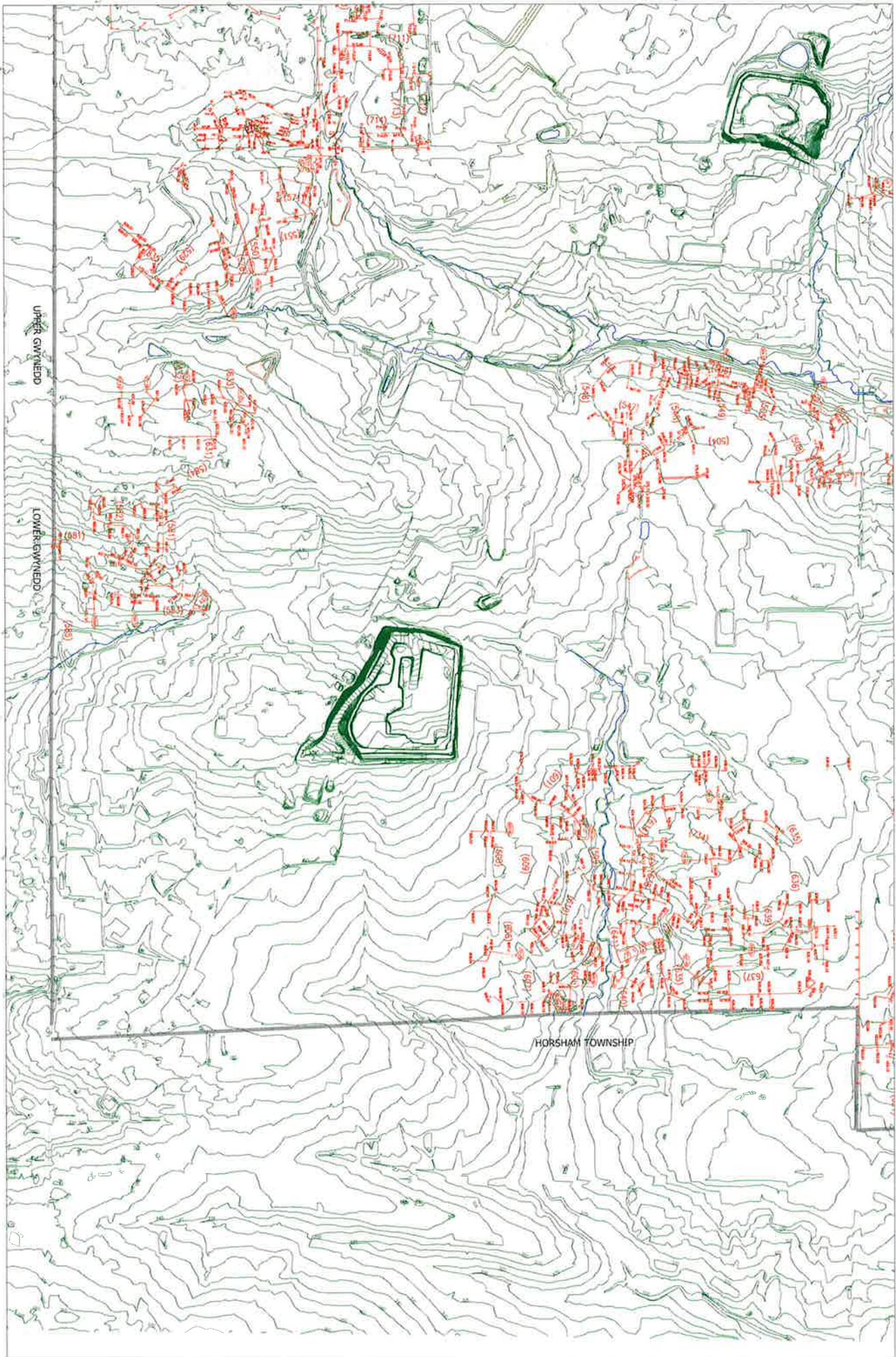
No.	LOCATION	YEAR TO BE ASSESSED	WATERSHED	TRIBUTARY AREA (ac)	25% IMPERVIOUS COVER (ac)	RUNOFF DEPTH (in)	EMC TSS (mg/L)	IMPERVIOUS SEDIMENT (Lb/year)	75% LAWN COVER (ac)	RUNOFF DEPTH (in)	EMC TSS (mg/L)	LAWN SEDIMENT (Lb/year)	TOTAL SEDIMENT (Lb/year)	25% SEDIMENT REDUCTION (Lb/year)
44	Zehr Tract		LN	26.9	6.7	43.51	35	2,307	20.2	6.59	180	5,391	7,698	1,925
57	Whistlestop Park (Hatfield)		LN	0.0	0.0	43.51	35	0	0	6.59	180	0	0	0
18	West Gate	2015	LN	25.1	6.3	43.51	35	2,150	18.825	6.59	180	5,024	7,174	1,794
20	The Ridings		LN	15.5	3.9	43.51	35	1,328	11.625	6.59	180	3,103	4,430	1,108
23	Winners Circle		LN	4.6	1.2	43.51	35	394	3.45	6.59	180	921	1,315	329
25	Summer Ridge	2015	LN	17.9	4.5	43.51	35	1,533	13.425	6.59	180	3,583	5,116	1,279
26	Summer Ridge		LN		0.0	43.51	35	0	0	6.59	180	0	0	0
27	Heather Lea	2015	LN	25.7	6.4	43.51	35	2,201	19.275	6.59	180	5,144	7,346	1,836
46	Mallard Pond		LN	7.5	1.9	43.51	35	642	5.625	6.59	180	1,501	2,144	536
47	Montgomery Lea		LN	8.2	2.1	43.51	35	702	6.15	6.59	180	1,641	2,344	586
58	Tall Gables		LN	13.2	3.3	43.51	35	1,131	9.9	6.59	180	2,642	3,773	943
12	Heather Knoll*		WB	22.1	5.5	43.51	35	1,893	16.575	6.59	180	4,424	6,317	1,579
3	Pauline Circle		WB	22.1	5.5	43.51	35	1,893	16.575	6.59	180	4,424	6,317	1,579
4	Veronica Lane	2015	WB	10.7	2.7	43.51	35	917	8.025	6.59	180	2,142	3,058	765
5	Bethlehem Pike	2015	WB	6.8	1.7	43.51	35	582	5.1	6.59	180	1,361	1,944	486
8	Walden Lane		WB	21.2	5.3	43.51	35	1,815	15.8875	6.59	180	4,240	6,055	1,514
34	Cambridge Knoll A	2015	WB	42.0	10.5	43.51	35	3,598	31.5	6.59	180	8,407	12,005	3,001
63	Bedford Lane		WB	22.1	5.5	43.51	35	1,893	16.575	6.59	180	4,424	6,317	1,579
	Bridle Path Rd		WB	9.5	2.4	43.51	35	814	7.125	6.59	180	1,902	2,715	679
	Brookshire Way		WB	11.7	2.9	43.51	35	1,002	8.775	6.59	180	2,342	3,344	836

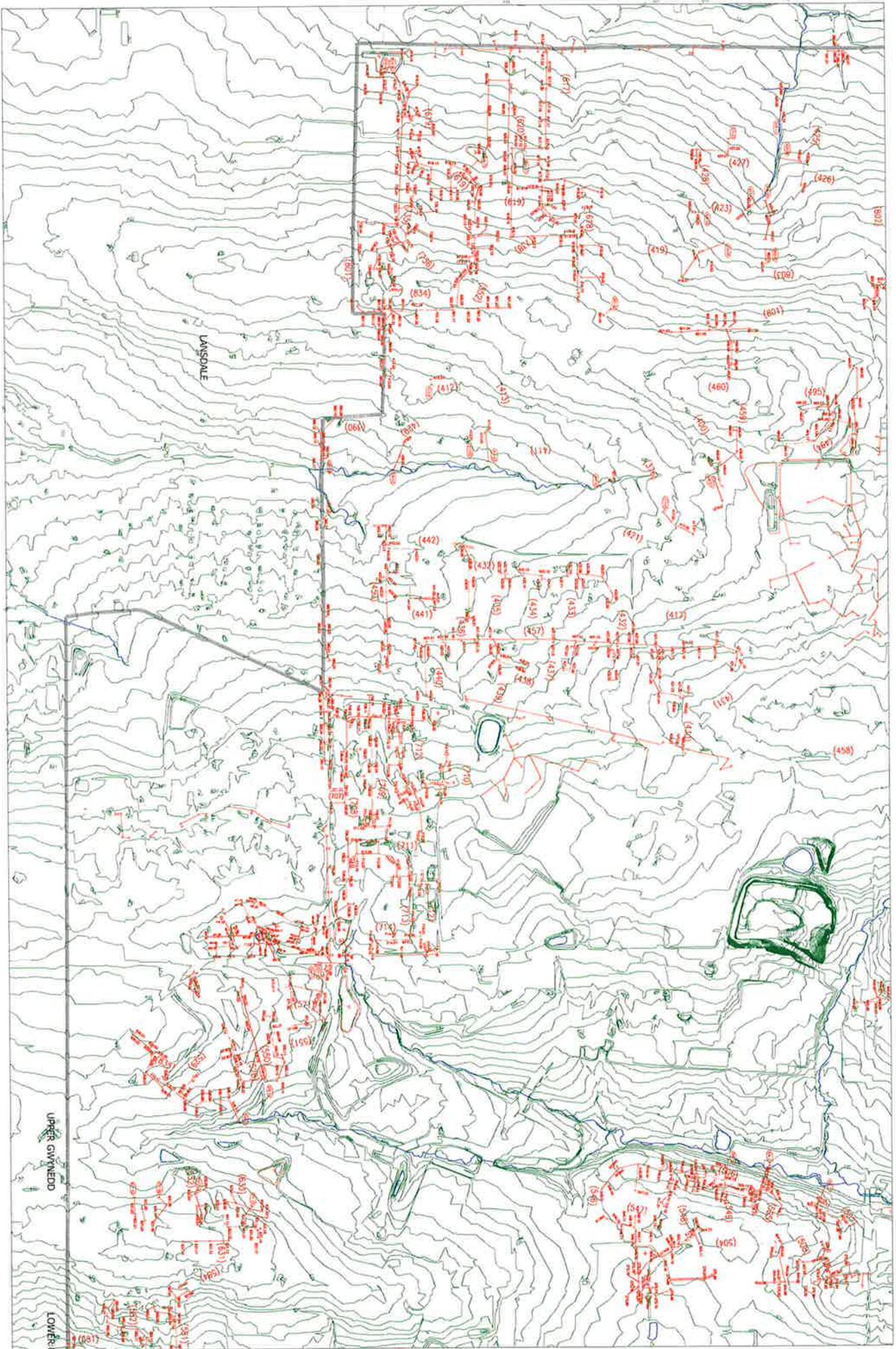
HATFIELD TOWNSHIP



BUCKS COUNTY







MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS
BOARD ACTION SUMMARY

SUBJECT: Autumn Festival Update

MEETING DATE: September 11, 2017

ITEM NUMBER: #11

MEETING/AGENDA:

ACTION

NONE

REASON FOR CONSIDERATION: Operational: Policy: Discussion: xx Information:

INITIATED BY: Floyd S. Shaffer
Recreation & Community Center Director

BOARD LIAISONS: Robert J. Birch/Candyce Fluehr Chimera
Liaisons to the Autumn Festival Committee

BACKGROUND:

Matt Reimel, Athletic & Recreation Program Director and Mary Griffith-Alfarano, Chair of the Township Autumn Festival Committee will be present at this evening's meeting to provide an overview of the activities and timeline relative to the upcoming community special event scheduled for Saturday, October 7, 2017. Autumn Festival 2017 will be held from Noon to 5:00pm in and around the Community and Recreation Center this year.

The Autumn Festival Committee has provided the following update:

- The Committee has received \$12,150 in sponsorships from 19 organizations/businesses.
- The event will have in excess of 70 vendors that represent various crafters, artists, businesses, services, and community organizations.
- The opening ceremony will begin promptly at Noon with the playing of the National Anthem and the presentation of the American Flag. The North Penn High School Junior ROTC Color Guard will present the Colors.
- Several of the highlights of the day long occasion include; a Zipline, amusement rides, pony rides, Super Heroes appearances, petting zoo, pumpkin decorating, and scarecrow making.
- Pricing information for the event:
 - Day long wristbands are \$8.00 for adults and \$12.00 for children if purchased the day of the event. Pre-Event advanced purchase wristbands may be purchased in advance at the Montgomery Township Community and Recreation Center (Mont CRC) are priced at \$5.00 for adults and \$8.00 for children. The purchase of the wristband includes unlimited amusement rides, one pumpkin to decorate, a zipline ride, a trampoline bounce and a scarecrow making session.
 - Individual ticket prices are \$1.00 each. They will be available for purchase throughout the day in the main lobby of the Mont CRC.
- Parking information for the event:
 - There will be handicap parking spaces available on site at the Mont CRC.
 - All other attendees will need to park off site at one of the satellite parking lots which includes:
 - Keystone Fellowship Church – 427 Stump Road, North Wales, PA
 - Penn Manufacturing Industries- 506 Stump Road, Montgomeryville, PA
 - Shuttles will be provided for attendees to transport them from the event to their vehicles.

The Committee would like to thank the Keystone Fellowship Church and Penn Manufacturing Industries for allowing use of their parking lots for this event.

In the event of inclement weather, a modified Autumn Festival will be held inside the Mont CRC from Noon to 5:00pm.

ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

PREVIOUS BOARD ACTION:

None.

ALTERNATIVES/OPTIONS:

None.

BUDGET IMPACT:

None.

RECOMMENDATION:

Consider announcement of the 17th Annual Autumn Festival and encourage Township Residents to attend this community event.

MOTION/RESOLUTION:

None.

DISTRIBUTION: Board of Supervisors, Frank R. Bartle, Esq.

MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS
BOARD ACTION SUMMARY

SUBJECT: Consider Authorization to Advertise 2018 Budget Workshop Meetings

MEETING DATE: September 11, 2017 ITEM NUMBER: # 13

MEETING/AGENDA: ACTION NONE

REASON FOR CONSIDERATION: Operational: xx Policy: Discussion: Information:

INITIATED BY: Ami Tarburton BOARD LIAISON: Robert J. Birch, Supervisor
Finance Director Liaison – Finance Committee

BACKGROUND:

Each year, the Board of Supervisors and the Township staff participate in budget workshops. The workshops are held in the Board Conference Room, starting at 6:30 p.m. and normally run until approximately 8:30 p.m. It is anticipated that we will need four (4) dates from the list below to complete this process. The following dates are available for workshop meetings:

- Tuesday, October 17, 2017
- Wednesday, October 18, 2017 – Sewer Authority
- Wednesday, October 25, 2017
- Thursday, October 26, 2017
- Wednesday, November 1, 2017

We are scheduled for the Board to consider preliminary adoption of the 2018 budget on Monday, November 13, 2017 after 8:00 p.m. After preliminary adoption, the Township is required to place the budget on display for public view and comment for a period of no less than 20 days. After that period has passed, the Board considers final adoption. We are scheduled to consider final adoption on Monday, December 18, 2017 after 8:00 p.m.

ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

PREVIOUS BOARD ACTION:

None.

ALTERNATIVES/OPTIONS:

None.

BUDGET IMPACT:

Ensure compliance with all requirements of the Second Class Township Code for the Budget of a Township.

RECOMMENDATION:

Staff recommends that the Board adopt the 2018 Budget Workshop schedule as presented.

MOTION/RESOLUTION:

BE IT RESOLVED by the Board of Supervisors of Montgomery Township that we hereby authorize the Township Manager to advertise for public meetings for the proposed 2018 Budget Workshops to be held on:

- ___ Tuesday, October 17, 2017
- ___ Wednesday, October 18, 2017 – Sewer Authority
- ___ Wednesday, October 25, 2017
- ___ Thursday, October 26, 2017
- ___ Wednesday, November 1, 2017

MOTION: _____

SECOND: _____

DISTRIBUTION: Board of Supervisors, Frank R. Bartle, Esq.

**MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS
BOARD ACTION SUMMARY**

SUBJECT: Consider Acceptance of the Start of Maintenance Period and Escrow Release #2 - LD/S 680
Evans Builders – 118 Rosewood Drive

MEETING DATE: _____ **ITEM NUMBER:** #14

MEETING/AGENDA: WORK SESSION ACTION XX NONE

REASON FOR CONSIDERATION: Operational: XX Information: Discussion: Policy:

INITIATED BY: Bruce Shoupe **BOARD LIAISON:** Candyce Fluehr Chimera
Director of Planning and Zoning Chairman

BACKGROUND:

Evans Builders has requested that the eighteen-month maintenance period for the minor subdivision of 1701 N. Line Street, creating a new buildable lot at 118 Rosewood Drive begin, therefore, the Board needs to publicly accept the start of the maintenance period. They have also requested an escrow release in the amount of \$6,911.10, which is held in a cash account of \$4,411.0 and a Letter of Credit (LOC) of \$2,500.00 with the Township. Evans Builders wish to post a LOC in the amount of **\$6,616.65**, which will serve as the 18-month Maintenance Period Guaranty. This guaranty will be held for a period as specified in Section 205-49 of the Township Subdivision and Land Development Code. The Township Engineer recommends that this release #2 be made and the start of maintenance period begin.

ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT: None

PREVIOUS BOARD ACTION: None

ALTERNATIVES/OPTIONS: Approve or not approve the construction escrow release and the start of the maintenance period for this project.

BUDGET IMPACT: None.

RECOMMENDATION: That the start of the maintenance period for this project be accepted and the escrow be released.

MOTION/RESOLUTION:

The Resolution is attached. The Board of Supervisors hereby authorize a escrow release in the amount of **\$6,911.10** and the start of the maintenance period begin on September 11, 2017 as recommended by the Township Landscape Engineer for the minor subdivision of 1701 N. Line Street, LDS 680. The Township would retain a Letter of Credit in the amount of \$6,616.65 for the 18-month Maintenance Period Guaranty. The release is contingent upon payment of all Township Consultant fees.

MOTION _____ **SECOND** _____ **VOTE** _____

ROLL CALL:

Robert J. Birch	Aye	Opposed	Abstain	Absent
Michael J. Fox	Aye	Opposed	Abstain	Absent
Jeffrey W. McDonnell	Aye	Opposed	Abstain	Absent
Richard E. Miniscalco	Aye	Opposed	Abstain	Absent
Candyce Fluehr Chimera	Aye	Opposed	Abstain	Absent

DISTRIBUTION: Board of Supervisors, Frank R. Bartle, Esq.

WHEREAS, a request for the start of the maintenance period and release of land development construction escrow was received from Evans Builders for the minor subdivision of 1701 N. Line Street (LDS#680), on the representation that work set forth in the land development agreement to that extent has been completed; and

WHEREAS, said land development agreement states that the Township is entitled to retain fifteen percent of escrow to serve as an eighteen-month maintenance period guaranty, upon final inspection by the Township Engineer. The maintenance guaranty should be in the amount of \$6,616.65, which is 15% of the original escrow amount; and

WHEREAS, the developer has requested a partial release of the original Land Development Construction escrow in the amount of \$ 41,611.00, which would leave a balance of \$ 6,911.10, which the Developer request be held as the 18-month Maintenance Period Guaranty. All Township Consultant fees must be paid prior to the release of this original Land Development Construction escrow and Letter of Credit.

WHEREAS, all public improvements have been completed, but will need to be inspected at the end of the eighteen month maintenance period as specified in Section 205-49 of the Township Code, prior to the release of the 15% maintenance guaranty. The developer shall contact the Township in writing to request a final inspection for acceptance at the end of the guaranty period. These inspections will be performed when plant materials are in full leaf only (May 1 through November 15). All guaranty escrow funds will be released upon acceptance at the end of the guaranty period. The guaranty will be extended until 30 days after receipt of the request letter following May 1. Should the end of the guaranty period occur after November 15, the guaranty period shall be extended to May 15.

NOW, THEREFORE, BE IT RESOLVED by the Board of Supervisors of Montgomery Township that we hereby acknowledge that the start of the maintenance period is September 11, 2017, and will continue as specified in Section 205-49 of the Township Subdivision & Land Development Code.

BE IT ALSO RESOLVED that we hereby authorize Escrow Release #2 of **\$6,911.10**, from the applicant's construction escrow account of \$4,411.10 and release of the Letter of Credit in the amount of \$2,500.00, once all bills have been paid.

MOTION BY:

SECOND BY:

VOTE:

DATE:

xc: Applicant, F. Bartle, J. Dougherty, B. Shoupe, Finance Department, M. Gambino, Minute Book, Resolution File. File

Released By Department Director _____



GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

September 7, 2017

File No. 2015-01024

Bruce S. Shoupe, Director of Planning and Zoning
Montgomery Township
1001 Stump Road
Montgomeryville, PA 18936-9605

Reference: Del Ciotto Subdivision - LD/S# 680 – Escrow Release #2 and Start of Maintenance
118 Rosewood Dr (1701 N. Line Street)
Tax Parcel #46-00-02416-00-4; Block 005C, Unit 004

Dear Bruce:

We have received and reviewed the Request for Escrow Release for the above-referenced project. This letter is to certify that the improvements attached to this letter in the amount of \$6,911.10 have been completed and which is held in a cash account of \$4,411.10 and a Letter of Credit (LOC) of \$2,500.00. Upon approval of this release the balance of both the LOC and the cash account will be \$0.00. Please find enclosed a copy of our escrow calculations and the application for release of funds for your use.

Also, we recommend the start of the 18-month maintenance period. Our recommendations are contingent upon the property owner (Michael and Linda, LLC) providing maintenance security in an amount of \$6,616.65.

Please be advised that these improvements will be subject to a final inspection at the end of the maintenance period. Any deficiencies will be required to be corrected by the developer.

As always, please call us if you have any questions or if we can be of any assistance regarding this project.

Sincerely,

James P. Dougherty, P.E.
Senior Project Manager
Gilmore & Associates, Inc.

JPD/sl

Enclosure: As referenced

cc: Lawrence J. Gregan, Manager – Montgomery Township
Marianne McConnell, Deputy Zoning Officer – Montgomery Township
Frank R. Bartle, Esq., Solicitor – Dischell Bartle & Dooley, PC
Judith Stern Goldstein, ASLA, R.L.A. – Boucher & James, Inc.
Michael Evans, Michael & Linda, LLC

BUILDING ON A FOUNDATION OF EXCELLENCE

RELEASE OF ESCROW FORM

Russell S. Dunlevy, P.E.
Executive Vice President
Gilmore & Associates, Inc.
65 East Butler Avenue, Suite 100
New Britain, PA 18901
215-345-4330

Date: 09/05/2017

LETTER OF CREDIT

Development: 1701 N. Line Street (118 Rosewood Dr) - LD/S #680
Release #: 2

G&A Project #: 2015-01024

Dear Mr. Dunlevy:

This is an escrow release request in the amount of \$2,500.00. Enclosed is a copy of our escrow spreadsheet with the quantities noted.

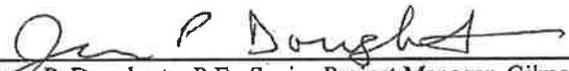
ESCROW RELEASE REQUESTS ARE LIMITED TO ONE PER MONTH.

Mr. Lawrence Gregan
Township Manager
Montgomery Township
1001 Stump Road
Montgomeryville, PA 18936

Date: 09/07/2017

Dear Mr. Gregan:

We have reviewed the developer's request for an escrow release. We therefore, recommend that \$2,500.00 be released. These improvements will be subject to a final observation prior to dedication and again at the end of the maintenance period. Any deficiencies will be required to be corrected by the developer.


James P. Dougherty, P.E., Senior Project Manager, Gilmore & Associates, Inc.

Resolution # _____

WHEREAS, a request for release of escrow was received from Michael & Linda, LLC for 1701 N. Line Street (118 Rosewood Dr) - LD/S #680, in the amount of \$2,500.00, on the representation that work set forth in the Land Development Agreement to the extent has been completed and; WHEREAS, said request has been reviewed by the Township Engineer who recommends release of \$2,500.00; NOW, THEREFORE, BE IT RESOLVED by the Board of Supervisors of Montgomery Township that we do hereby authorize release of \$2,500.00; in accordance with the developer's request, and the officers of the Township are authorized to take the necessary action to obtain release of said sum. BE IT FURTHER RESOLVED that Township records indicate that escrow has been deposited via Letter of Credit with Montgomery Township in total sum of \$44,111.00 pursuant to a signed Land Development Agreement and that \$41,611.00 has previously been released from escrow. Therefore, the action of the Board releasing said sum leaves a new balance of \$0.00 in escrow.

MOTION BY _____

VOTE: _____

SECOND BY: _____

DATED: _____

RELEASED BY: _____

Department Director

RELEASE OF ESCROW FORM

Russell S. Dunlevy, P.E.
Executive Vice President
Gilmore & Associates, Inc.
65 East Butler Avenue, Suite 100
New Britain, PA 18901
215-345-4330

Date: 09/05/2017

CASH

Development: 1701 N. Line Street (118 Rosewood Dr) - LD/S #680
Release #: 2

G&A Project #: 2015-01024

Dear Mr. Dunlevy:

This is an escrow release request in the amount of \$4,411.10. Enclosed is a copy of our escrow spreadsheet with the quantities noted.

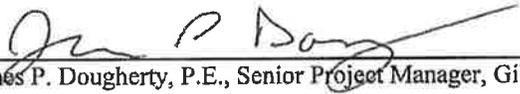
ESCROW RELEASE REQUESTS ARE LIMITED TO ONE PER MONTH.

Mr. Lawrence Gregan
Township Manager
Montgomery Township
1001 Stump Road
Montgomeryville, PA 18936

Date: 09/07/2017

Dear Mr. Gregan:

We have reviewed the developer's request for an escrow release. We therefore, recommend that \$4,411.10 be released. These improvements will be subject to a final observation prior to dedication and again at the end of the maintenance period. Any deficiencies will be required to be corrected by the developer.



James P. Dougherty, P.E., Senior Project Manager, Gilmore & Associates, Inc.

Resolution # _____

WHEREAS, a request for release of escrow was received from Michael & Linda, LLC for 1701 N. Line Street (118 Rosewood Dr) - LD/S #680, in the amount of \$4,411.10, on the representation that work set forth in the Land Development Agreement to the extent has been completed and;

WHEREAS, said request has been reviewed by the Township Engineer who recommends release of \$4,411.10;

NOW, THEREFORE, BE IT RESOLVED by the Board of Supervisors of Montgomery Township that we do hereby authorize release of \$4,411.10; in accordance with the developer's request, and the officers of the Township are authorized to take the necessary action to obtain release of said sum.

BE IT FURTHER RESOLVED that Township records indicate that escrow has been deposited via Cash with Montgomery Township in total sum of \$4,411.10 pursuant to a signed Land Development Agreement and that \$0.00 has previously been released from escrow. Therefore, the action of the Board releasing said sum leaves a new balance of \$0.00 in escrow.

MOTION BY _____

VOTE: _____

SECOND BY: _____

DATED: _____

RELEASED BY: _____

Department Director

ESCROW STATUS REPORT



SUMMARY OF ESCROW ACCOUNT

RELEASE NO.: 2
RELEASE DATE: 7-Sep-2017

PROJECT NAME: 1701 N. Line Street (118 Rosewood Dr)	TOTAL CONSTRUCTION: \$ 44,111.00	LETTER OF CREDIT	ORIGINAL CONSTRUCTION AMOUNT: \$ 49,522.10
PROJECT NO.: 2015-01024	TOTAL CONSTRUCTION CONTINGENCY (10%): \$ 4,411.10	CASH	
TOWNSHIP NO.: LD/S #880	TOTAL CONSTRUCTION ESCROW POSTED: \$ 48,522.10		AMOUNT OF THIS RELEASE: \$ 6,911.10
PROJECT OWNER: Michael & Linda, LLC			PRIOR CONSTRUCTION RELEASED: \$ 41,611.00
MUNICIPALITY: Montgomery Township	TOTAL ENG/INSP/LEGAL (CASH ACCOUNT): \$ 4,500.00		TOTAL CONSTRUCTION RELEASED TO DATE: \$ 48,522.10
ESCROW AGENT: Penn Community Bank & Montgomery Twp.	TOTAL ADMINISTRATION (CASH ACCOUNT): \$ 2,250.00		
TYPE OF SECURITY: Letter of Credit Cash			TOTAL BALANCE AFTER CURRENT RELEASE: \$ -
AGREEMENT DATE: 9-Jun-2016	MAINTENANCE BOND AMOUNT (15%): \$ 6,616.65		LETTER OF CREDIT BALANCE AFTER CURRENT RELEASE: \$ -
			CASH BALANCE AFTER CURRENT RELEASE: \$ -

ESCROW TABULATION					CURRENT RELEASE		RELEASED TO DATE		AVAILABLE FOR RELEASE		RELEASE REQ # 3
CONSTRUCTION ITEMS	UNITS	QUANTITY	UNIT PRICE	TOTAL AMOUNT	QUANTITY	TOTAL AMOUNT	QUANTITY	TOTAL AMOUNT	QUANTITY	TOTAL AMOUNT	QUANTITY
A. EROSION CONTROL											
1. Construction Entrance	EA	1	\$ 2,000.00	\$ 2,000.00			1.00	\$ 2,000.00		\$ -	
2. 18" Sill Fence	LF	350	\$ 6.50	\$ 2,275.00			350.00	\$ 2,275.00		\$ -	
3. Tree Protection Fence	LF	40	\$ 5.00	\$ 200.00			40.00	\$ 200.00		\$ -	
4. Respread Topsoil (8"), Seed and Stabilize	SF	8,500	\$ 0.50	\$ 4,250.00			8,500.00	\$ 4,250.00		\$ -	
B. DEMOLITION											
1. Existing Shed	EA	1	\$ 250.00	\$ 250.00			1.00	\$ 250.00		\$ -	
2. Tree Removal (10" Oak, 22" Maple)	EA	2	\$ 500.00	\$ 1,000.00			2.00	\$ 1,000.00		\$ -	
3. Tree Removal (6" Fir)	EA	1	\$ 250.00	\$ 250.00			1.00	\$ 250.00		\$ -	
4. Cinder Block Garage	LS	1	\$ 2,000.00	\$ 2,000.00			1.00	\$ 2,000.00		\$ -	
5. Concrete Curb	LF	24	\$ 7.50	\$ 180.00			24.00	\$ 180.00		\$ -	
C. SITE WORK											
1. Strip and Stockpile Topsoil (8")	CY	200	\$ 4.70	\$ 940.00			200.00	\$ 940.00		\$ -	
2. Site Cut/Fill	LS	1	\$ 1,000.00	\$ 1,000.00			1.00	\$ 1,000.00		\$ -	
3. Fine Grade Site	LS	1	\$ 500.00	\$ 500.00			1.00	\$ 500.00		\$ -	
4. Concrete Curb (depressed)	LF	24	\$ 40.00	\$ 960.00			24.00	\$ 960.00		\$ -	
5. Driveway Apron (concrete)	SY	13	\$ 80.00	\$ 1,040.00			13.00	\$ 1,040.00		\$ -	
6. Driveway (paving and stone)	SY	93	\$ 27.00	\$ 2,511.00			93.00	\$ 2,511.00		\$ -	
7. Driveway Infiltration Bed w/ fabric and stone	LS	1	\$ 2,000.00	\$ 2,000.00			1.00	\$ 2,000.00		\$ -	
8. Sidewalk Infiltration Bed w/ fabric and stone	LS	1	\$ 250.00	\$ 250.00			1.00	\$ 250.00		\$ -	
9. Structures Seepage Bed w/ fabric and stone	LS	1	\$ 3,500.00	\$ 3,500.00			1.00	\$ 3,500.00		\$ -	
10. 6" PVC Roof Water Collection System w/ stone	LF	150	\$ 18.00	\$ 2,700.00			150.00	\$ 2,700.00		\$ -	
11. Utility Services	LS	1	\$ 2,000.00	\$ 2,000.00			1.00	\$ 2,000.00		\$ -	

ESCROW STATUS REPORT
SUMMARY OF ESCROW ACCOUNT

 RELEASE NO.: 2
 RELEASE DATE: 7-Sep-2017

PROJECT NAME:	1701 N. Line Street (118 Rosewood Dr)	TOTAL CONSTRUCTION:	\$ 44,111.00	LETTER OF CREDIT	ORIGINAL CONSTRUCTION AMOUNT:	\$ 48,522.10
PROJECT NO.:	2015-01024	TOTAL CONSTRUCTION CONTINGENCY (10%):	\$ 4,411.10	CASH		
TOWNSHIP NO.:	LD/S #680	TOTAL CONSTRUCTION ESCROW POSTED:	\$ 48,522.10		AMOUNT OF THIS RELEASE:	\$ 6,911.10
PROJECT OWNER:	Michael & Linda, LLC				PRIOR CONSTRUCTION RELEASED:	\$ 41,611.00
MUNICIPALITY:	Montgomery Township	TOTAL ENG/INSP/LEGAL (CASH ACCOUNT):	\$ 4,500.00		TOTAL CONSTRUCTION RELEASED TO DATE:	\$ 48,522.10
ESCROW AGENT:	Penn Community Bank & Montgomery Twp.	TOTAL ADMINISTRATION (CASH ACCOUNT):	\$ 2,250.00			
TYPE OF SECURITY:	Letter of Credit Cash				TOTAL BALANCE AFTER CURRENT RELEASE:	\$ -
AGREEMENT DATE:	9-Jun-2016	MAINTENANCE BOND AMOUNT (15%):	\$ 6,616.65		LETTER OF CREDIT BALANCE AFTER CURRENT RELEASE:	\$ -
					CASH BALANCE AFTER CURRENT RELEASE:	\$ -

ESCROW TABULATION					CURRENT RELEASE		RELEASED TO DATE		AVAILABLE FOR RELEASE		RELEASE REQ # 3
CONSTRUCTION ITEMS					QUANTITY	TOTAL AMOUNT	QUANTITY	TOTAL AMOUNT	QUANTITY	TOTAL AMOUNT	QUANTITY
D. LANDSCAPING											
<i>Shade Trees</i>											
1.	<i>Acer rubrum - Red Maple (3-3.5" Cal.)</i>	EA	3	\$ 375.00	\$ 1,125.00			3.00	\$ 1,125.00	\$ -	
2.	<i>Acer saccharum - Sugar Maple (3-3.5" Cal.)</i>	EA	1	\$ 375.00	\$ 375.00			1.00	\$ 375.00	\$ -	
3.	<i>Nyssa sylvatica - Black Tupelo (3-3.5" Cal.)</i>	EA	2	\$ 375.00	\$ 750.00			2.00	\$ 750.00	\$ -	
4.	<i>Quercus imbricaria - Shingle Oak (3-3.5" cal.)</i>	EA	3	\$ 375.00	\$ 1,125.00			3.00	\$ 1,125.00	\$ -	
5.	<i>Quercus palustris - Pin Oak (3-3.5" Cal.)</i>	EA	2	\$ 375.00	\$ 750.00			2.00	\$ 750.00	\$ -	
<i>Ornamental/ Flowering Trees</i>											
6.	<i>Cercis Canadensis - Eastern Redbud (8-10' ht.)</i>	EA	1	\$ 325.00	\$ 325.00			1.00	\$ 325.00	\$ -	
7.	<i>Cornus florida - Flowering Dogwood (8-10' ht.)</i>	EA	2	\$ 325.00	\$ 650.00			2.00	\$ 650.00	\$ -	
8.	<i>Magnolia Virginiana - Sweet Bay Magnolia (8-10' ht.)</i>		2	\$ 325.00	\$ 650.00			2.00	\$ 650.00	\$ -	
9.	<i>Prunus subhirtell pendula 'Aulumnalis' - Higan Cherry (8-10' ht.)</i>		1	\$ 325.00	\$ 325.00			1.00	\$ 325.00	\$ -	
<i>Evergreen Trees</i>											
8.	<i>Abies concolor - White Fir (8-10' ht.)</i>	EA	3	\$ 250.00	\$ 750.00			3.00	\$ 750.00	\$ -	
9.	<i>Picea glauca - White Spruce (8-10' ht.)</i>	EA	3	\$ 250.00	\$ 750.00			3.00	\$ 750.00	\$ -	
<i>Deciduous Shrubs</i>											
10.	<i>Hydrangea quercifolia - Oak Leaf Hydrangea (30-36" ht.)</i>	EA	6	\$ 65.00	\$ 390.00			6.00	\$ 390.00	\$ -	
11.	<i>Ilex verticillata - Winterberry Holly (30-36" ht.)</i>	EA	6	\$ 65.00	\$ 390.00			6.00	\$ 390.00	\$ -	
12.	<i>Viburnum lentago - Nannyberry (30-36" ht.)</i>	EA	5	\$ 65.00	\$ 325.00			5.00	\$ 325.00	\$ -	
13.	<i>Viburnum trilobum - Cranberrybush Viburnum (30-36" ht.)</i>	EA	5	\$ 65.00	\$ 325.00			5.00	\$ 325.00	\$ -	
E. OTHER											
1.	Construction Stakeout	LS	1	\$ 2,500.00	\$ 2,500.00			1.00	\$ 2,500.00	\$ -	
2.	Pins and Monuments	EA	2	\$ 500.00	\$ 1,000.00	2.00	\$ 1,000.00	2.00	\$ 1,000.00	\$ -	
3.	Light Post	EA	1	\$ 300.00	\$ 300.00			1.00	\$ 300.00	\$ -	
3.	As-Builts (Final Site)	LS	1	\$ 1,500.00	\$ 1,500.00	1.00	\$ 1,500.00	1.00	\$ 1,500.00	\$ -	
F. CONTINGENCY											
1.	10% Contingency	LS	1	\$ 4,411.10	\$ 4,411.10	1.00	\$ 4,411.10	1.00	\$ 4,411.10	\$ -	
(Released upon certification of completion and receipt of Maintenance Bond)											



Boucher & James, Inc.
CONSULTING ENGINEERS

AN EMPLOYEE OWNED COMPANY
INNOVATIVE ENGINEERING

Fountainville Professional Building
1456 Ferry Road, Building 500
Doylestown, PA 18901
215-345-9400
Fax 215-345-9401

2738 Rimrock Drive
Stroudsburg, PA 18360
570-629-0300
Fax 570-629-0306

559 Main Street, Suite 230
Bethlehem, PA 18018
610-419-9407
Fax 610-419-9408
www.bjengineers.com

July 14, 2017

Mr. James P. Dougherty, P.E.
Gilmore & Associates, Inc.
65 E. Butler Ave. Suite 100
New Britain, PA 18901

**SUBJECT: 1701 N. LINE STREET – DEL CIOTTO
START OF MAINTENANCE INSPECTION 02
TOWNSHIP LD/S NO. 680
PROJECT NO. 1455286R**

Dear Mr. Dougherty:

Please be advised that on July 13, 2017, I conducted an inspection of plant material installed at the Del Ciotto Subdivision Site, as requested by Mike Evans on July 12, 2017. This inspection was conducted in accordance with the approved landscape plan set prepared by Del Ciotto Architects, dated December 18, 2014 and last revised November 10, 2015.

All landscape material has been provided in accordance with the approved landscape plans, and is of acceptable size, species and condition to begin the maintenance period. The maintenance period will begin upon authorization of the Board of Supervisors at their regularly scheduled meeting.

Please do not hesitate to contact me if you have any questions or require further information.

Sincerely,

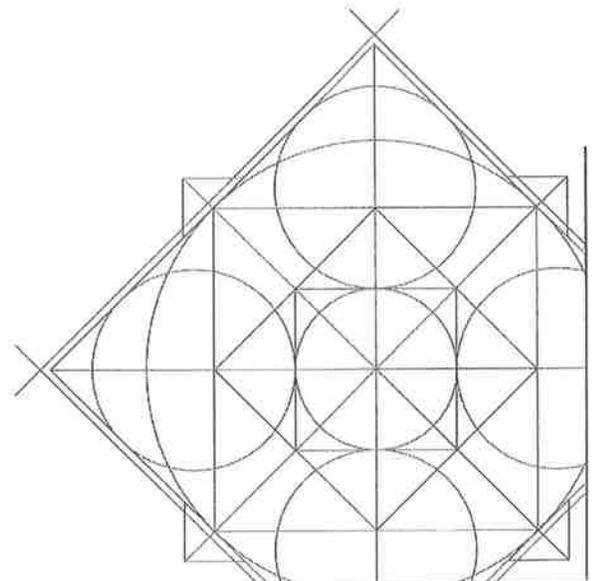
Valerie L. Liggett, ASLA, R.L.A.
ISA Certified Arborist®
Planner/Landscape Architect

VLL/egs

enclosure

ec: Board of Supervisors
Lawrence Gregan, Township Manager
Bruce Shoupe, Director of Planning and Zoning
Marianne McConnell, Deputy Zoning Officer
Michael Evans

P:\2014\1455286R\Documents\Correspondence\Letter.To.JDougherty.SOM002.doc



MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS
BOARD ACTION SUMMARY

SUBJECT: Consider Payment of Bills

MEETING DATE: September 11, 2017

ITEM NUMBER: #15

MEETING/AGENDA: WORK SESSION ACTION XX NONE

REASON FOR CONSIDERATION: Operational: XX Information: Discussion: Policy:

INITIATED BY: Lawrence J. Gregan
Township Manager

BOARD LIAISON: Candyce Fluehr Chimera,
Chairman of the Board of Supervisors

BACKGROUND:

Please find attached a list of bills for your review.

ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

PREVIOUS BOARD ACTION:

None.

ALTERNATIVES/OPTIONS:

None.

BUDGET IMPACT:

None.

RECOMMENDATION:

Approval all bills as presented.

MOTION/RESOLUTION:

None.

DISTRIBUTION: Board of Supervisors, Frank R. Bartle, Esq.

Check Date	Bank	Check	Vendor	Vendor Name	Amount
Bank 01 UNIVEST CHECKING					
08/28/2017	01	69285	MISC	Avalon Way LLC	5,297.20
08/29/2017	01	69286	100000484	TOM DICKSON	70.00
08/30/2017	01	69287	100000200	EDWIN LESHNER	380.00
09/08/2017	01	69288	00000006	ACME UNIFORMS FOR INDUSTRY	252.10
09/08/2017	01	69289	MISC-FIRE	ADAM WEBSTER	40.00
09/08/2017	01	69290	100000494	AFUA DAVENPORT	60.00
09/08/2017	01	69291	00906018	ALESSANDRA KASHKASHIAN	110.00
09/08/2017	01	69292	MISC-FIRE	ALEXANDER J DEANGELIS	30.00
09/08/2017	01	69293	100000520	ALLIE JOHNSON	75.00
09/08/2017	01	69294	100000488	AMY BRYCE	105.00
09/08/2017	01	69295	MISC	ANDREI KARPOVICH	1,200.00
09/08/2017	01	69296	MISC-FIRE	ANDREW WEINER	30.00
09/08/2017	01	69297	00000027	ARMOUR & SONS ELECTRIC, INC.	12,620.42
09/08/2017	01	69298	00000031	AT&T	131.16
09/08/2017	01	69299	00001997	AUTOMATIC SYNC TECHNOLOGIES, LLC	200.20
09/08/2017	01	69300	00902124	BARBARA PREUNINGER	20.00
09/08/2017	01	69301	00000043	BERGEY'S	132.31
09/08/2017	01	69302	100000495	BETH LEWIS	20.00
09/08/2017	01	69303	MISC-FIRE	BILL WIEGMAN	120.00
09/08/2017	01	69304	100000369	BILL WILLIAMS	40.00
09/08/2017	01	69305	00000209	BOUCHER & JAMES, INC.	17,351.79
09/08/2017	01	69306	00001108	BRIDGEPORT TROPHY CO.	213.84
09/08/2017	01	69307	100000078	BRIDGET SCHALCOSKY	24.00
09/08/2017	01	69308	100000405	C.E.S.	854.49
09/08/2017	01	69309	00000072	CANON FINANCIAL SERVICES, INC	1,622.00
09/08/2017	01	69310	MISC-FIRE	CARL HERR	45.00
09/08/2017	01	69311	100000517	CARMEN PORTNEY	60.00
09/08/2017	01	69312	100000316	CAROLYN SHOEMAKER	60.00
09/08/2017	01	69313	100000514	CASEY BYRNE	80.00
09/08/2017	01	69314	MISC	CAVALLARO MICHAEL & RENEE	1,200.00
09/08/2017	01	69315	100000206	CHERYL COCCA	100.00
09/08/2017	01	69316	100000192	CHRISTEN RICCA	40.00
09/08/2017	01	69317	00902354	CHRISTOPHER SIMON	195.00
09/08/2017	01	69318	100000050	CHRISTOPHER STIGLER	100.00
09/08/2017	01	69319	100000519	CINDY BOURGEOIS	66.00
09/08/2017	01	69320	00000363	COMCAST	303.62
09/08/2017	01	69321	00000602	CONRAD SIEGEL	6,860.00
09/08/2017	01	69322	00902126	DANIELLE BRACE	20.00
09/08/2017	01	69323	100000518	DANIELLE SPERBER	75.00
09/08/2017	01	69324	MISC-FIRE	DAVID P BENNETT	30.00
09/08/2017	01	69325	00001332	EAGLE POWER & EQUIPMENT CORP	112.00
09/08/2017	01	69326	00000152	ECKERT SEAMANS CHERIN &	16,187.50
09/08/2017	01	69327	00002082	ECOMM TECHNOLOGIES	2,243.05
09/08/2017	01	69328	100000200	EDWIN LESHNER	80.00
09/08/2017	01	69329	00902792	EILEEN SCHURMANN	220.00
09/08/2017	01	69330	100000425	ELAAN RADLEY	40.00
09/08/2017	01	69331	00904231	ELIZABETH LAWLESS KREWSON	40.00
09/08/2017	01	69332	00903110	ESTABLISHED TRAFFIC CONTROL	1,165.00
09/08/2017	01	69333	100000129	EUROFINS QC, INC.	99.00
09/08/2017	01	69334	00001034	FASTENAL	406.51
09/08/2017	01	69335	100000158	FRANKS THEATRES	358.00
09/08/2017	01	69336	03214584	FROG HOLLOW RACQUET CLUB	864.00
09/08/2017	01	69337	00001504	GALETON GLOVES	398.85
09/08/2017	01	69338	100000502	GERARD RAUS	20.00
09/08/2017	01	69339	00001152	GFOA-PA EAST	25.00
09/08/2017	01	69340	100000493	GINA KOCHANSKI	40.00
09/08/2017	01	69341	00001323	GLICK FIRE EQUIPMENT COMPANY INC	285.82
09/08/2017	01	69342	00001784	GOOGLE INC.	99.45
09/08/2017	01	69343	00000608	GOOSE SQUAD L.L.C.	900.00
09/08/2017	01	69344	00000203	GRANTURK EQUIPMENT CO., INC.	200.35
09/08/2017	01	69345	00902799	GRETCHEN SCHNEIDER	230.00
09/08/2017	01	69346	100000510	HEATHER MCCANN	40.00
09/08/2017	01	69347	00441122	HORSHAM CAR WASH	251.00
09/08/2017	01	69348	00000691	INDIAN VALLEY BIKEWORKS	243.08
09/08/2017	01	69349	00000102	INTERSTATE BATTERY SYSTEMS OF	72.95
09/08/2017	01	69350	100000421	JACQUELINE TENUTA	40.00
09/08/2017	01	69351	MISC-FIRE	JAKE WELTMAN	30.00
09/08/2017	01	69352	100000501	JANEL COHEN	60.00
09/08/2017	01	69353	100000505	JAYDEEP PARIKH	20.00
09/08/2017	01	69354	00905014	JEFF MCGRATH	20.00
09/08/2017	01	69355	100000212	JEN FONASH	60.00
09/08/2017	01	69356	100000491	JENNIFER MAHON	40.00

Check Date	Bank	Check	Vendor	Vendor Name	Amount
09/08/2017	01	69357	100000193	JENNIFER PETRUCCELLI	60.00
09/08/2017	01	69358	100000497	JESSICA BEHRLE	20.00
09/08/2017	01	69359	100000366	JILL LANDIS	160.00
09/08/2017	01	69360	00902941	JODY CORDI	20.00
09/08/2017	01	69361	MISC-FIRE	JOHN H. MOGENSEN	60.00
09/08/2017	01	69362	MISC-FIRE	JON WASHINGTON	135.00
09/08/2017	01	69363	00000591	JONES TOPSOIL, INC.	2,095.00
09/08/2017	01	69364	100000490	JULIETTE MIKLOSH	55.00
09/08/2017	01	69365	100000487	KILEY ALBERTS	162.50
09/08/2017	01	69366	00906017	KIM STEVENS	52.50
09/08/2017	01	69367	03214591	KIMBALL MIDWEST	842.15
09/08/2017	01	69368	100000513	KIMBERLY EGGLETON	15.00
09/08/2017	01	69369	100000512	KRISTI LEONARD	40.00
09/08/2017	01	69370	100000508	KRISTIN MILLER	40.00
09/08/2017	01	69371	00000271	LANSDALE CHRYSLER PLYMOUTH INC.	74.40
09/08/2017	01	69372	100000489	LESLEE BLAHUT	20.00
09/08/2017	01	69373	00003009	LIFE FITNESS	155.00
09/08/2017	01	69374	100000504	LIZ OVERTON	35.00
09/08/2017	01	69375	100000507	LORRAINE MIRANDA	20.00
09/08/2017	01	69376	00001706	LOWE'S COMPANIES INC.	83.36
09/08/2017	01	69377	00000354	MAD SCIENCE OF WEST NEW JERSEY	833.00
09/08/2017	01	69378	100000506	MARA ONEIL	20.00
09/08/2017	01	69379	100000516	MARGARET LAHR	200.00
09/08/2017	01	69380	100000511	MARK MCCALL	40.00
09/08/2017	01	69381	00002021	MARRIOTT'S EMERGENCY EQUIPMENT	102.50
09/08/2017	01	69382	100000207	MARY BISIGNARO	40.00
09/08/2017	01	69383	00000689	MARY KAY KELM, ESQUIRE	250.00
09/08/2017	01	69384	MISC-FIRE	MARY NEWELL	75.00
09/08/2017	01	69385	00000201	MASTERTECH AUTO SERVICE, LLC	870.08
09/08/2017	01	69386	100000499	MAUREEN HURR	20.00
09/08/2017	01	69387	100000492	MEGAN RANDAZZO	40.00
09/08/2017	01	69388	100000196	MEKU AYELE	20.00
09/08/2017	01	69389	00906044	MELISSA SMITHERS	40.00
09/08/2017	01	69390	00902801	MEREDITH MOSTOCHUK	95.00
09/08/2017	01	69391	MISC-FIRE	MICHAEL D. SHINTON	30.00
09/08/2017	01	69392	100000509	MICHAEL MONTANEZ	40.00
09/08/2017	01	69393	MISC-FIRE	MICHAEL SHEARER	30.00
09/08/2017	01	69394	00902599	MICHELE EVANS	80.00
09/08/2017	01	69395	100000515	MICHELLE IMBROGNO	40.00
09/08/2017	01	69396	100000074	MICHELLE URBAN	228.00
09/08/2017	01	69397	MISC-FIRE	MIKE BEAN	30.00
09/08/2017	01	69398	1264	MORGAN STANLEY SMITH BARNEY INC	128,453.50
09/08/2017	01	69399	00000540	MYSTIC PIZZA	430.50
09/08/2017	01	69400	100000358	NAT ALEXANDER COMPANY	1,144.00
09/08/2017	01	69401	100000496	NICOLE COHEN	10.00
09/08/2017	01	69402	00001134	OFFICE DEPOT, INC	603.71
09/08/2017	01	69403	00000814	OLIVIERI & ASSOCIATES, INC.	76,573.05
09/08/2017	01	69404	03214653	OVERHEAD DOOR CORPORATION	180.00
09/08/2017	01	69405	00000558	PA DUI ASSOCIATION	35.00
09/08/2017	01	69406	MISC-FIRE	PAUL R. MOGENSEN	60.00
09/08/2017	01	69407	100000521	PAYAL WADHAWAN	66.00
09/08/2017	01	69408	MISC	PEBBLE POOLS INC	1,200.00
09/08/2017	01	69409	00000595	PENN VALLEY CHEMICAL COMPANY	319.71
09/08/2017	01	69410	00001358	PENNSYLVANIA RECREATION AND PARK	8,098.00
09/08/2017	01	69411	00000009	PETTY CASH	100.00
09/08/2017	01	69412	00000945	PIPERSVILLE GARDEN CENTER, INC.	751.64
09/08/2017	01	69413	00000345	PRINTWORKS & COMPANY, INC.	106.05
09/08/2017	01	69414	00000252	PURE CLEANERS	580.75
09/08/2017	01	69415	100000503	RACHEL DICERBO	102.00
09/08/2017	01	69416	MISC-FIRE	RACHEL GIBSON	30.00
09/08/2017	01	69417	MISC-FIRE	RACHEL TROUTMAN	40.00
09/08/2017	01	69418	00906102	READY REFRESH	439.56
09/08/2017	01	69419	00902762	REBECCA NISZCZAK	80.00
09/08/2017	01	69420	00000228	REGAL CINEMEDIA CORP	1,283.00
09/08/2017	01	69421	00000117	RIGGINS INC	1,987.90
09/08/2017	01	69422	00000115	RIGGINS, INC	2,861.74
09/08/2017	01	69423	00000610	RUBIN, GLICKMAN, STEINBERG AND	4,640.85
09/08/2017	01	69424	MISC-FIRE	RYAN ALLISON	45.00
09/08/2017	01	69425	MISC-FIRE	RYAN CROUTHAMEL	30.00
09/08/2017	01	69426	100000195	SANDRA WANG	40.00
09/08/2017	01	69427	100000498	SANDY COSTELLO	40.00
09/08/2017	01	69428	MISC	SCOTTS ROOFING LLC	40.00
09/08/2017	01	69429	00001618	SEALMASTER	1,024.93
09/08/2017	01	69430	100000486	SHANNON NEWKIRK	200.00
09/08/2017	01	69431	00000465	SHAPIRO FIRE PROTECTION COMPANY	306.54

Check Date	Bank	Check	Vendor	Vendor Name	Amount
09/08/2017	01	69432	100000098	SHERI MOORE	40.00
09/08/2017	01	69433	00000468	SIRCHIE FINGER PRINT	552.12
09/08/2017	01	69434	MISC	SKROLLING STONE INVESTMENTS LSR LLC	130.00
09/08/2017	01	69435	100000093	SONIA MARQUES	5.00
09/08/2017	01	69436	MISC	SPORTS AUTHORITY #441	2,654.56
09/08/2017	01	69437	00001847	STAPLES CONTRACT & COMMERCIAL, INC.	881.11
09/08/2017	01	69438	MISC-FIRE	STEVE SPLENDIDO	15.00
09/08/2017	01	69439	100000203	SUE DREVERS	180.00
09/08/2017	01	69440	100000032	SVETLANA PONOMAREV	80.00
09/08/2017	01	69441	00000485	SYRENA COLLISION CENTER, INC.	171.00
09/08/2017	01	69442	00000334	THE CULINARY INSTITUTE OF AMERICA	1,063.96
09/08/2017	01	69443	00906111	THE PROTECTION BUREAU	1,480.00
09/08/2017	01	69444	00902700	THERESA ROETHKE	120.00
09/08/2017	01	69445	00001273	TIM KUREK	271.50
09/08/2017	01	69446	MISC-FIRE	TOM HUGUENIN	30.00
09/08/2017	01	69447	00000506	TRANS UNION LLC	60.00
09/08/2017	01	69448	00001998	TROPICANO BUS COMPANY LLC	95.00
09/08/2017	01	69449	00002062	UNITED ELECTRIC SUPPLY CO., INC.	6.31
09/08/2017	01	69450	00000040	VERIZON	249.24
09/08/2017	01	69451	00000040	VERIZON	134.99
09/08/2017	01	69452	00000040	VERIZON	124.99
09/08/2017	01	69453	00000040	VERIZON	141.83
09/08/2017	01	69454	00000132	VIMCO INC.	25.00
09/08/2017	01	69455	MISC-FIRE	VINAY SETTY	180.00
09/08/2017	01	69456	MISC-FIRE	VINCE ZIRPOLI	120.00
09/08/2017	01	69457	00001329	WELDON AUTO PARTS	580.87
09/08/2017	01	69458	03214583	WESTON FITNESS	6,405.55
09/08/2017	01	69459	00001546	WILSON''S HARDWARE & LOCKSMITHS	120.00
09/08/2017	01	69460	00001084	WITMER ASSOCIATES, INC.	1,247.00
09/08/2017	01	69461	100000500	YARMEKA JOHNSON	40.00

01 TOTALS:

Total of 177 Disbursements:

331,502.64

09/08/2017

Check List
For Check Dates 08/29/2017 to 09/11/2017

Check Date	Name	Amount		
08/30/2017	STATE OF PA	State Tax Payment	\$	10,155.08
09/01/2017	UNITED STATES TREASURY	945 Tax Payment	\$	7,314.32
09/07/2017	BCG 401	401 Payment	\$	15,965.92
09/07/2017	BCG 457	457 Payment	\$	10,834.19
09/07/2017	PA SCDU	Withholding Payment	\$	1,020.72
09/07/2017	PBA	PBA Payment	\$	734.81
09/07/2017	UNITED STATES TREASURY	941 Tax Payment	\$	95,377.96
Total Checks: 7			\$	141,403.00