

# **ABINGTON TOWNSHIP**

**MAY 12, 2022**



**BOARD OF COMMISSIONERS  
REGULAR PUBLIC MEETING**



# TOWNSHIP OF ABINGTON

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## BOARD OF COMMISSIONERS REGULAR PUBLIC MEETING

**A G E N D A**  
**May 12, 2022**  
**7:00 PM**

There are three ways for the public to participate in the meeting: in-person, online or by phone. Residents who wish to attend in person can do so in the Abington Township Board Room located at 1176 Old York Road, Abington, PA 19001, 2nd Floor. Alternative means of public participation are offered for those who do not wish to or are unable to attend the meetings in person. Residents who wish to participate in the meeting remotely can access the meeting online by a computer, iPad, iPhone, or Android at <https://us06web.zoom.us/j/88216803878>. This link will enable residents to hear the meeting, see presentations, and ask questions. There will be no video interaction capabilities. Residents, who are unable to join online, can listen to and participate in the meeting by calling 1-929-436-2866 and entering the meeting ID number 882-1680-3878 when prompted

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### **CALL TO ORDER**

**ROLL CALL, BRODSKY, ROTHMAN, DIPLACIDO, VAUGHN, THOMPSON, WINEGRAD, HENRY, ZAPPONE, CARSWELL, SPEIGELMAN, BOLE, SCHREIBER, BOWMAN, VAHEY, HECKER**

### **PLEDGE OF ALLEGIANCE**

### **BOARD PRESIDENT ANNOUNCEMENTS**

### **PUBLIC COMMENT ON AGENDA ITEMS**

### **CONSENT AGENDA**

- a. Motion to approve the Minutes from the Board of Commissioners Regular Meeting of April 14, 2022.
- b. BOC-01-051222 Motion to authorize the sale of Township property; i.e. used vehicles and equipment, see attached Exhibit.
- c. BOC-02-051222 Motion to authorize advertisement of Traffic Safety Ordinance #2192 amending Chapter 156 - "Vehicles and Traffic," Article III - "Parking Regulations," Section 25 - "Parking Prohibited At All Times; No Parking Between Signs; No Parking Here to Corner; Parking Prohibited Except Certain Hours," Section 27 - "Parking Time Limited," and Article IV,



Section 37 - "Parking Meter Zones Established" to add No Parking Here To Corner on the North side of the Hawthorne Road 40 feet West of Edge Hill Road and 30 feet East of Locust Avenue, 15 Minute parking on the East side of Easton Road from Keswick Avenue to in front of 337 N. Easton Road and remove parking meters on the East side of Easton Road from Keswick Avenue to in front of 337 N. Easton Road.

- d. BOC-03-051222 Motion to recommend rejecting the single bid received from Biase Landscaping, LLC, 102 Rosewood Drive, Telford, PA 18969.

## **UNFINISHED BUSINESS**

## **NEW BUSINESS**

- a. BOC-04-051222 Motion to appoint Kyle Hanlin from the Civil Service eligibility list to the position of Police Officer effective May 16, 2022. *(Chief Molloy)*
- b. BOC-05-051222 Motion to approve the Major Subdivision and Land Development for 365 Cedar Road. *(Mr. Hassan)*
- c. BOC-06-051222 Motion to authorize advertisement of Ordinance 2193 establishing procedures for Certification of Responsible Contractor Requirements. *(Ms. Schreiber)*
- d. BOC-07-051222 Motion to adopt Resolution No. 22-014 condemning the practice of conversion therapy and urging state lawmakers to enact the protection of minors from conversion therapy act. *(Ms. Schreiber)*
- e. BOC-08-051222 Motion to ratify the Comprehensive Stormwater Management Plan change order request. *(Mr. Manfredi & Mr. Hassan)*

## **FINANCE COMMITTEE**

- a. Receive Treasurer's Report: Township Treasurer, Jay W. Blumenthal
- b. FC-01-051222 Motion to approve a change order for Ardsley Community Center Chair Lift Project *(Ms. Hamm)*
- c. FC-02-051222 Motion to approve the March 2022 expenditures in the amount of \$1,435,264.74 and salaries and wages in the amount of \$2,052,213.95, and authorizing the proper officials to sign vouchers in payment of bills and contracts as they mature through the month of June 2022.

(Motion & Roll Call)

**PUBLIC COMMENT**

**ADJOURNMENT**

## **BOARD POLICY ON PUBLIC PARTICIPATION**

### **For Information Purposes Only**

The Township shall conduct business in accordance with the Commonwealth of Pennsylvania Laws governing the conduct of public meetings and only establish guidelines that shall govern public participation at meetings consistent with the law.

Each commenter shall:

- Direct their comments to the Presiding Officer;
- Speak from the podium or into a microphone designated by the presiding officer;
- State their name for the record;
- Either orally or in writing provide their address for the record;
- Have a maximum of three minutes to make their comments. Each commenter when speaking to a specific agenda item, is to keep their comments relative to that identified agenda item;
- Speak one time per agenda item;
- When commenting on non-agenda items, the commenter is to keep their comments related to matters of the Township of Abington, Montgomery County, Pennsylvania.
- State a question to the Presiding Officer after all commenters have spoken, and;
- Be seated after speaking or upon the request of the presiding officer;
- Not engage in debate, dialogue or discussion;
- Not disrupt the public meeting, and;
- Exercise restraint and sound judgement in avoiding the use of profane language, and the maligning of others.

The stated meeting of the Board of Commissioners of the Township of Abington was held on Thursday, April 14, 2022, via webinar and in-person at the Township Administration Building, Abington, PA, with President Hecker presiding.

**CALL TO ORDER:** 7:00 p.m.

**ROLL CALL:** Present: Commissioners BRODSKY, ROTHMAN, DiPLACIDO, THOMPSON, WINEGRAD, HENRY, ZAPPONE, BOLE, SCHREIBER, HECKER  
Excused: Commissioners CARSWELL, SPIEGELMAN, BOWMAN, VAHEY

Also Present: Township Manager MANFREDI  
Township Solicitor CLARKE

## **PLEDGE OF ALLEGIANCE**

## **BOARD OF PRESIDENT ANNOUNCEMENTS:**

Township Manager introduced Mr. Karl Lukens as the new Director of Parks of Recreation for Abington Township.

## **PUBLIC COMMENT ON AGENDA ITEMS:**

Lora Lehmann, resident, expressed concern about the consent agenda items and requested that the item of HGACBuy be removed, and she asked why it was not sent out for bid.

Manager Manfredi replied that Item BOC-01-041422 as listed on the consent agenda authorizes Township Administration to enter into a cooperative purchasing agreement where the Township would “piggyback” on this company’s bidding process resulting in reduced pricing for equipment for the police department’s Records and Information Center.

Mike Tobin, resident, said if the Township enters into that agreement are they always required to purchase through the consortium or can they purchase outside of that company.

Manager Manfredi replied that the Township purchases from wherever we can get the best price and there is no requirement to purchase equipment through this consortium; however, the police department performed an evaluation on specific equipment and they can get a lower price through this company.

Commissioner Schreiber made a MOTION, seconded by Commissioner Bole to approve Items a.- c. as listed under Consent Agenda as follows:

To approve the minutes of the Board of Commissioners Regular Meeting of March 10, 2022.

To approve a cooperative purchasing agreement with HGACBuy for equipment upgrades in the Records and Information Center.

To approve Resolution No. 22-013 authorizing the DCED Delegation of Signing Authority due to the change in chief elected officials.

MOTION was ADOPTED 11-0.

**UNFINISHED BUSINESS:** None.

**NEW BUSINESS:**

Item BOC-03-041422:

Commissioner Schreiber made a MOTION, seconded by Commissioner Bole to approve the Minor Land Development Plan for Hollywood Tavern located at 700/710 Huntingdon Pike.

President Hecker asked for any comments from Commissioners.

Commissioner Rothman asked for further explanation on this item.

Mr. Khal Hassan, Township Engineer, explained that the applicant proposes to remove existing concrete walkway and portions of the vegetation located along the front of the building and construct an 825 sq. ft. patio for outdoor dining; additional site improvements include underground stormwater management basin; new accessible concrete walkway as well as landscaping surrounding proposed concrete patio.

Township Engineer supports the following waiver requests by the applicant:

Section 146-11. A. (4) – Property Identification Plan - A waiver is requested from requiring a Property Identification Plan that contains tract boundaries with tax parcel numbers, owner's names, and approximate acreage of lots surrounding any portion of the site for a distance of 400 feet.

Section 146-11. B. (3) – Existing Features Plan - A partial waiver is requested for the Existing Features Plan that shall contain the location of property lines and names of landowners within 400 feet of any part to be subdivided or developed.

Section 146-11. B. (7) – Existing Features – Utilities - A partial waiver is requested for the Existing Features Plan that shall contain the location, size, and ownership of all underground and above ground public or private utilities, on the site and within 400 feet of any portion of the site, including waterlines, sanitary sewer lines, storm sewer lines, electric lines, telephone lines, gas mains, fire hydrants, and streetlights.

Section 146-33. D – Drainage – Size, Shape and Type - A waiver is requested from requiring a minimum internal diameter of 15 inches and a minimum grade of 0.5% of reinforced cement concrete pipe.

Section 146-43. C. (3) (a) – Cut & Fill Slopes - A waiver is requested from requiring slopes not to be 15% or steeper.

Reviewed were traffic and access from the parking lot that is near Shady Lane, Gibson Avenue and Fox Chase Road and that location serves the site in the best way possible and no additional improvements will be needed. Any relocation of the parking lot would affect public parking on either side of Gibson Avenue and Fox Chase Road.

President Hecker asked for any comments from Commissioners.

Commissioner DiPlacido said regarding waiver request from Section 146-11. A. (4) – Property Identification Plan, does this waiver mean that the applicant does not need to work with Township staff or the Zoning Hearing Board in sending notifications to neighbors located within 400 ft. of the site?

Mr. Hassan replied that the applicant does not need to notify the neighbors as they did not appear before the ZHB seeking any zoning relief.

MOTION was ADOPTED 11-0.

Item BOC-04-041422:

Commissioner Schreiber made a MOTION, seconded by Commissioner Bole to approve a request for a waiver from the land development process for the Baederwood Shopping Center's interior retail renovations.

President Hecker called on Manager Manfredi.

Manager Manfredi noted that currently there is no provision within SALDO to waive the land development process.

Township Solicitor Clarke added that the applicant is putting up walls allocating space and they are not constructing any buildings, so it would be appropriate to grant a waiver from the land development process. Going forward, he will be working with Township staff on memorializing a waiver from the land development process within SALDO.

President Hecker asked for any comments from Commissioners.

Commissioner Winegrad commented that he has no objection to this waiver request as it is a simple partitioned wall, and he agreed that the SALDO should be changed so that a waiver from the land development process would not be required.

Commissioner Zappone clarified that permits are still needed to do this work. Is that correct?

Solicitor Clarke replied yes, permits are needed for all internal work.

MOTION was ADOPTED 11-0.

Item BOC-05-041422:

Commissioner Schreiber made a MOTION, seconded by Commissioner Bole to ratify the authorization for the Solicitor to sign onto the Amici Curiae Brief of Local Governments and the Pennsylvania Municipal League in support of the City of Philadelphia's Petition for Review on behalf of the Township in the matter of Rashad Armstrong v. City of Philadelphia.

President Hecker asked for any comments from Commissioners. There were none.

MOTION was ADOPTED 11-0.

Item BOC-06-041422:

Commissioner Schreiber made a MOTION, seconded by Commissioner Bole to approve, and ratify the authorization for the Township Manager to execute the agreement with the Cohen Law Group ("CLG") for legal services to assist the participating municipalities of Montgomery County ("Montgomery County Consortium") in a franchise fee audit and cable franchise renewal negotiations with Comcast of Pennsylvania, LLC ("Comcast").

President Hecker asked for any comments from Commissioners. There were none.



MOTION was ADOPTED 11-0.

**FINANCE COMMITTEE:**

Township Treasurer's Report:

Township Treasurer Jay W. Blumenthal reported that Real Estate Taxes collected in March 2022 was \$7,302,085 representing an increase of \$2,660,573 over last year; YTD \$8,474,039; balance to be collected of \$24,810,215. Monies received from various departments deposited into Republic Bank for March 2022 was \$11,873,648 as compared to last year of \$8,128,198 representing an increase of \$3,745,450; YTD \$5,615,299.

Item FC-01-041422:

Commissioner Winegrad made a MOTION, seconded by Commissioner Bole to approve the February 2022 expenditures in the amount of \$2,181,509.80 and salaries and wages in the amount of \$2,047,388.86 and authorize the proper officials to sign vouchers in payment of bills and contracts as they mature through the month of May 2022.

Roll call resulted in motion being passed 11-0. Commissioners Carswell, Spiegelman, Bowman, and Vice President Vahey were absent during roll call.

**PUBLIC COMMENT:**

Marlene Kessler, resident, said regarding the Comp Plan, the DVRPC projected a population increase; however, a more reliable source would be the Brookings Institution, a nonprofit organization whose census indicated that population in 1970 was 63,625. She expressed concern about proposed development in Willow Grove that does not address affordable housing because they are luxury units.

Lora Lehmann, resident, asked about the bidding process when buying through a consortium; also, she expressed concern about the waiver approval process as well as notification to neighbors.

President Hecker replied it is approval of a cooperative purchasing agreement where the consortium sends out for bids to secure the best possible price.

Mike Tobin, resident, commented that regarding the Comp Plan, which says there will be affordable housing, but it will not be for low-income. The majority does not want high-density housing because traffic will increase and so will the carbon footprint. He does not understand how a plan can be put together where the core demographic numbers are wrong and the plan is missing Chapter 8 – Infrastructure, so we do not know what our infrastructure can handle. Also, he expressed concern about the survey not being sent out yet.

Manager Manfredi replied regarding Chapter 8 - Municipal Services and Infrastructure, during draft review, it was noted that many changes are underway, and we want the chapter to have current and accurate information, and that review will be finalized and released soon.

Commissioner Thompson added that in terms of population projections, what was sent to the DVRPC was an analysis of current zoning and approved applications as well as what the zoning code is capable of, but not a true population projection based on birth rates, fertility rates, migratory rates, death rates and other data.

DVRPC previously posted a full population projection report in 2016 that projected from 2015 to 2050 and that is currently incorrect because the 2020 Census exceeded those figures, so we are working with the DVRPC to try and figure out where we are going as a population. The DVRPC is an independent commission from the Township, and they do their work as they so choose. Also, the survey is an item listed on the CPDT's agenda for next Tuesday evening.

**ADJOURNMENT:** 7:44 p.m.

Respectfully submitted,

Liz Vile, Minutes Secretary

Resolution No. 22-013 was adopted by the Board of Commissioners on April 14, 2022.



BOARD OF COMMISSIONERS REGULAR  
PUBLIC MEETING

AGENDA ITEM

May 12, 2022

BOC-01-051222

DATE

AGENDA ITEM NUMBER

Public Works

DEPARTMENT

FISCAL IMPACT

Cost > \$10,000

Yes



No



PUBLIC BID REQUIRED

Cost > \$20,100

Yes



No



AGENDA ITEM:

Auction of Township Vehicles

EXECUTIVE SUMMARY:

Abington Township and the local consortium of communities have been using JJ Kane Auctioneers in Plymouth Meeting with excellent results for over 6 years now. It is a no hassle auction where the buyer pays all commissions. All paperwork is handled by the auction company and we have never had any problems with title transfers. We anticipate \$15,000.00 - \$20,000.00 from the sale of the ten (10) vehicles that we have for auction. The list of vehicles for auction are listed on the attached exhibit.

PREVIOUS BOARD ACTIONS:

This is a yearly request that is made for the sale of township vehicles from various departments that have been replaced. This is the second round of vehicles to go to auction this year. April 13th's auction brought in \$98,750.00 in proceeds and we only anticipated receiving \$40-\$50,000.00.

RECOMMENDED BOARD ACTIONS:

Motion to authorize the sale of Township property; i.e. used vehicles and equipment, see attached Exhibit.

**Vehicle List**

Vehicle #	Year	Make	Model	VIN	Plate/Tag #	Odometer	Driver	Notes
197	2005	Ford	Taurus	1FAFP53225A143846	83397MG	43,933.0	Marlin, Scott	
29-06 (C)	2018	Chevrolet	Tahoe	IGNSKDEC5JR294903	MG3099K	58,500.0	Patrol Liutenants	Front brake rotors- vibration.
29-24	2017	Dodge	Charger	2C3CDXKT7HH560966	MG7393J	43,149.0	PS/TWP	P0456/P0440 codes. LF outer C.V. boot torn.
29-45	2008	Chevrolet	Impala	2G1WB58N281223635	EJF6028	54,682.0		Door Locks Dont Work. Power Steering Rack Leaks Fluid.
29-54	2004	Ford	Crown Victoria	2FAFP71W94X143477	MG9275A	98,393.0		COMM POLICE (parking enforcement)
29-67	2007	Acura	RL	JH4KB16627C001825	GGC5425	111,755.0		SIU LF Strut Leaking. Engine Mounts Worn.
29-98	2007	Ford	Crown Victoria	2FAHP71W17X148767	MG5422D	50,622.0		Park Ranger
327	2005	Ford	Explorer	1FMZU72K25ZA59634	MG5016B	64,633.0		B1342 ABS Code.
408	2007	GMC	Stake Body 3500HD	1GDJK39K17E581005	MG7423D	66,263.0		P0101 P0102 P0171 P0174 P0443 P2138. LF headlight out.
523	1997	GMC	Flush Truck	1GDP7H1JXVJ500941		58,919		



BOARD OF COMMISSIONERS REGULAR  
PUBLIC MEETING

AGENDA ITEM

May 12, 2022

BOC-02-051222

DATE

AGENDA ITEM NUMBER

Police

DEPARTMENT

FISCAL IMPACT

Cost > \$10,000

Yes

☐

No

☒

PUBLIC BID REQUIRED

Cost > \$20,100

Yes

☐

No

☒

AGENDA ITEM:

Consider approving the advertisement of Traffic Safety Ordinance 2192.

EXECUTIVE SUMMARY:

Over the last three months the Police Department received the following requests. All requests were reviewed by the Traffic Safety Unit and Township Officials and approved the installation of no parking signs on the North side of Hawthorne Road 40 feet west of Edge Hill Road and 30 feet East of Locust Avenue, the installation of 15 minute parking signs in front on 337 N. Easton Road and the removal of two parking meters in front of 337 N. Easton Road.

PREVIOUS BOARD ACTIONS:

The Board previously approved Ordinance # 1568 on 04/12/1984 to add No Parking on the entire North side of Hawthorne Road and Ordinance #1438 on 12/9/1976 establishing Parking Meters on the East side of Easton Road between Keswick and Parkdale Avenues

RECOMMENDED BOARD ACTIONS:

Motion to authorize advertisement of Traffic Safety Ordinance #2192 amending Chapter 156 - "Vehicles and Traffic," Article III - "Parking Regulations," Section 25 - "Parking Prohibited At All Times; No Parking Between Signs; No Parking Here to Corner; Parking Prohibited Except Certain Hours," Section

27 - "Parking Time Limited," and Article IV, Section 37 - "Parking Meter Zones Established" to add No Parking Here To Corner on the North side of the Hawthorne Road 40 feet West of Edge Hill Road and 30 feet East of Locust Avenue, 15 Minute parking on the East side of Easton Road from Keswick Avenue to in front of 337 N. Easton Road and remove parking meters on the East side of Easton Road from Keswick Avenue to in front of 337 N. Easton Road.

**TOWNSHIP OF ABINGTON  
MONTGOMERY COUNTY, PENNSYLVANIA**

**ORDINANCE NO. 2192**

**AN ORDINANCE AMENDING  
CHAPTER 156 – “VEHICLES AND TRAFFIC,”  
ARTICLE III – “PARKING REGULATIONS”  
SECTION 25 – “PARKING PROHIBITED AT ALL TIMES; NO PARKING BETWEEN  
SIGNS; NO PARKING HERE TO CORNER; PARKING PROHIBITED EXCEPT  
CERTAIN HOURS; NO STOPPING OR STANDING”  
SECTION 27 – “PARKING TIME LIMITED”  
ARTICLE IV – “METERED PARKING”  
SECTION 37 – “PARKING METER ZONES ESTABLISHED”**

**WHEREAS**, the Township of Abington is a Township of the First Class, duly organized and existing pursuant to the applicable laws of the Commonwealth of Pennsylvania; and

**WHEREAS**, pursuant to section 1502.44 of the First Class Township Code of the Commonwealth of Pennsylvania, 53 P.S. §56544, the Board of Commissioners has the authority to enact and amend provisions of the Abington Township Code (“Code”) at any time it deems necessary for the health, safety, morals, general welfare, cleanliness, beauty, convenience and comfort of the Township and the inhabitants thereof; and

**WHEREAS**, pursuant to section 1502.10 of the First Class Township Code of the Commonwealth of Pennsylvania, 53 P.S. §56510, the Board of Commissioners has the authority to take all needful means for securing the safety of persons or property within the Township; and

**WHEREAS**, pursuant to section 1502.49 of the First Class Township Code of the Commonwealth of Pennsylvania, 53 P.S. §56549, the Board of Commissioners has the authority to regulate traffic and parking; and

**WHEREAS**, the Board of Commissioners of the Township of Abington has determined that the Code of Ordinances of the Township of Abington shall be amended at Chapter 156 – Article III – “Parking Regulations,” Sections 25 – “Parking Prohibited at All Times; No Parking



Between Signs; No Parking Here to Corner, Parking Prohibited Except Certain Hours, No Stopping and Standing,” Section 27 – “Parking Time Limited,” and Article IV – “Metered Parking,” Section 37 – “Parking Meter Zones Established” should be amended for the health, safety, morals, general welfare, cleanliness, beauty, convenience and comfort of the Township and the inhabitants thereof.

**NOW, THEREFORE**, the Board of Commissioners of the Township of Abington does hereby **ENACT** and **ORDAIN** as follows:

1. The Code of the Township of Abington is amended at Chapter 156 - “Vehicles and Traffic,” Article III – “Parking Regulations,” at Section 25 – “Parking Prohibited at All Times; No Parking Between Signs; No Parking Here to Corner, Parking Prohibited Except Certain Hours, No Stopping or Standing” to **add** the following restrictions:

No Parking Here to Corner	Side	Location
Hawthorne Road	North Side	40 feet West of Edge Hill Road and 30 feet East of Locust Avenue

2. Chapter 156 - “Vehicles and Traffic,” Article III, “Parking Regulations,” Section 27 – “Parking Time Limited” shall be amended to add the following restrictions:

15 Minute Parking	Side	Location
Easton Road	East Side	From Keswick Avenue to in front of 337 N. Easton Road

3. Chapter 156 – “Vehicles and Traffic,” Article III, “Parking Regulations,” Section 25 – “Parking Prohibited at All Times; No Parking Between Signs; No Parking Here to Corner, Parking Prohibited Except Certain Hours, No Stopping or Standing” shall be amended to **remove** the following restrictions:

No Parking	Side	Location
Hawthorne Road	North Side	2600 block of Hawthorne Road

4. Chapter 156 – “Vehicles and Traffic.” Article IV, “Metered Parking,” Section 37 – “Parking Meter Zones Established” shall be amended to **remove** the following restrictions:

Metered Parking	Side	Location
Easton Road	East Side	Keswick Avenue to in front of 337 N Easton Road

5. All other ordinances, portions of ordinances, or any section of the Code inconsistent with this Ordinance are hereby repealed.

6. This Ordinance shall become effective five (5) days after enactment.

**ORDAINED AND ENACTED** this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

TOWNSHIP OF ABINGTON  
BOARD OF COMMISSIONERS

Attest:

\_\_\_\_\_  
Richard J. Manfredi,  
Township Manager & Secretary

By: \_\_\_\_\_  
Thomas Hecker, President



BOARD OF COMMISSIONERS REGULAR  
PUBLIC MEETING

AGENDA ITEM

May 12, 2022

BOC-03-051222

DATE

AGENDA ITEM NUMBER

Public Works

DEPARTMENT

FISCAL IMPACT

Cost > \$10,000

Yes



No



PUBLIC BID REQUIRED

Cost > \$20,100

Yes



No



AGENDA ITEM:

2022-2024 Landscape Maintenance Bid - Abington Township Business Districts

EXECUTIVE SUMMARY:

This is the first time that this project was bid utilizing the PennBID system and although we could see who and how many other companies viewed and/or downloaded the bid we did only receive a single bid. Twenty-nine (29) companies viewed the bid, twenty (20) companies downloaded the bid documents, three (3) companies attended the mandatory pre-bid zoom meeting and ultimately one (1) company submitted a bid.

PREVIOUS BOARD ACTIONS:

This was last bid in March and again in May of 2019 for contract years 2019-2021 with the contract ending on December 15, 2021. Only a single bid was received both times and in the end, Biase Landscaping, LLC was awarded the contract in the Primary Bid Contract Amount of \$27,300.00 and Add/Supplemental Bid Contract amount of \$63,295.00.

RECOMMENDED BOARD ACTIONS:

Motion to recommend rejecting the single bid received from Biase Landscaping, LLC, 102 Rosewood Drive, Telford, PA 18969.

NON-COLLUSION AFFIDAVIT

State of Pennsylvania )  
County of Montgomery ) ss

Louis F. Biase, being first duly sworn, deposes and says that:  
(Name of Bidder's Representative)

(1) He is Owner  
(Capacity of Bidder's Representative - i.e.: owner, partner, officer, agent, etc.)

of Biase Landscaping LLC;  
(Name of Bidder)

(2) He is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

(3) Such Bid is genuine and is not a collusive or sham bid;

(4) Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted to refrain from bidding in connection with such Contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or of any other Bidder, or, to fix any overhead, profit or cost element of the bid price or the bid price of any other Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the TOWNSHIP to which the attached Bid is being submitted or any person interested in the proposed Contract; and

(5) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

Louis F. Biase  
(Name of Bidder)

Louis F. Biase  
(Signature of Bidder's Representative)

Owner  
(Title of Bidder's Representative)

Subscribed and sworn to before me

this 14 day of April 2022.  
Brooke Taylor Schuler  
(Signature of Notary)

Public Notary  
(Title)  
My commission expires 12/2/2024

{00932092;v1}

Commonwealth of Pennsylvania - Notary Seal  
BROOKE TAYLOR SCHULER, Notary Public  
Montgomery County  
My Commission Expires December 2, 2024  
Commission Number 1302338



The undersigned hereby authorizes and requests any person, firm, or corporation to furnish any information requested by the "Owner" in verification of the recitals comprising this Bidder's General Information:

Dated this 14 day of April, 2022

BIASE Landscaping LLC

Name of bidder

By Louis F. Biase

Title OWNER

State of PENNSYLVANIA, County of MONTGOMERY

Being duly sworn, deposes and says that he/she answers to

BIASE Landscaping LLC Louis F. Biase

Name of Organization

the foregoing questions and all statements therein contained are true and correct

Subscribed and sworn to before me this 14 day of April, 2022

Brooke Taylor Schuler

Notary Public

My Commission expires December 2, 2024

Commonwealth of Pennsylvania - Notary Seal  
BROOKE TAYLOR SCHULER, Notary Public  
Montgomery County  
My Commission Expires December 2, 2024  
Commission Number 1302338





**Required Company Information:**  
Attach additional sheets if necessary:

- A. Name of Company: BIASE Landscaping LLC
- B. Address of Business: 102 ROSEWOOD DR.  
TELFORD, PA 18969
- C. Name of CEO or Pres. LOUIS F. BIASE  
Print
- D. Business Phone: 215-783-6490
- E. Fax Phone: NONE
- F. E-mail Address: LANDSCAPE46@COMCAST.NET
- G. Type of Business: LANDSCAPING, HANDSAPING, CONCRETE, BLACKTOP
- B. Date when company or proprietorship was formed: 2008
- C. Number of employees qualified to do this work: 6
- D. Description of motorized equipment:  
3 PICKUP TRUCKS FORD F-250  
1 DUMP TRUCK FORD F-550
- E. Previous similar work projects:  
DOYLES TOWN BOROUGH  
ABINGTON TOWNSHIP
- F. List of References: SEE ATTACHED
- G. Describe any other qualities or assets which qualify you:  
I HAVE PERSONALLY BEEN DOING THIS FOR 55 YEARS
- H. Insurance Company Name, amount, type and contact info:  
STATE FARM GENERAL LIABILITY  
DONOGAI INS. WORKERS COMP
- I. Name of Foreman assigned to this job: LOUIS F. BIASE
- Mobile Phone # 215-783-6490 Emergency Phone # 215-783-6490

{01422363;v2}

# MEMO

**Louis F. Biase**  
*Landscape Contractor*  
102 ROSEWOOD DRIVE  
TELFORD, PA 18969

GRADING  
SODDING  
SEEDING  
PLANTING

Phone: 215-783-6490  
[www.biaselandscaping.com](http://www.biaselandscaping.com)



**Abington township**  
1176 Old York Rd.  
Abington , Pa 19001

**Commercial & Residential**  
**EP Henry Hardscaping**  
**Concrete Patios Sidewalks**

April 14, 2022

## References:

## Completed

Abington Township \$75,000.00 1176 Old York Road Abington, PA 19001	Contact –Mike Jones	267-536-1002	2019-2022
Abington Township Parks & Recreation 515 Meeting House Road \$55,700.00 Jenkintown, PA 19046	Contact –Andrew Oles	215-576-5213	2014-016
Wissahickon School District 601 Knights Rd. \$26,880.00 Ambler , PA 19002	Contact – Gerry Moore	215-828-3099	2019
Hatfield Borough \$17,550.00 401 South Main St. Hatfield, PA 19440	Contact - Fred Leister	215-855-0782	FALL 2019
Lansdale Borough \$47,000.00 One Vine St. Lansdale, PA 19446	Contact –Jason Troupe	215-361-8311	FALL 2019
Doylestown Township \$90,000.00 425 Wells Rd. Doylestown, PA 18901	Contact – Richard John	215-348-9915	2011-2013
Bucks County Library \$14,200.00	Contact- Joe Thompson	215-348-0332	2021
Doylestown Borough \$14,367.00	Contact - Phil Ehlinger	215-345-4140	Fall 2019
North Penn Water Authority \$13,560.00	Contact - Ian Mc Cleaver	215-855-3617	2019





## COMMONWEALTH OF PENNSYLVANIA

## PUBLIC WORKS EMPLOYMENT VERIFICATION FORM

Date 4-9-22Business or Organization Name (Employer) BIASE Landscaping LLCAddress 102 Rosewood Dr.City Telford State PA Zip Code 18969☒ Contractor ☐ Subcontractor (check one)Contracting Public Body Abington TownshipContract/Project No Landscaping MaintenanceProject Description weeding, trimming shrubs, mulching, plant flowersProject Location Abington Township Business District

As a contractor/subcontractor for the above referenced public works contract, I hereby affirm that as of the above date, our company is in compliance with the Public Works Employment Verification Act ('the Act') through utilization of the federal E-Verify Program (EVP) operated by the United States Department of Homeland Security. To the best of my/our knowledge, all employees hired post January 1, 2013 are authorized to work in the United States.

It is also agreed to that all public works contractors/subcontractors will utilize the federal EVP to verify the employment eligibility of each new hire within five (5) business days of the employee start date throughout the duration of the public works contract. Documentation confirming the use of the federal EVP upon each new hire shall be maintained in the event of an investigation or audit.

I, Louis F. Biase, authorized representative of the company above, attest that the information contained in this verification form is true and correct and understand that the submission of false or misleading information in connection with the above verification shall be subject to sanctions provided by law.

Louis F. Biase  
Authorized Representative Signature

## CONSENT OF SURETY

KNOW ALL MEN BY THESE PRESENTS, That for and in consideration of the sum of One Dollar lawful money of the United States, the receipt whereof is hereby acknowledged paid the undersigned corporation and for other valuable consideration Arch Insurance Company (SURETY), a corporation organized and existing under the laws of Missouri and licensed to do business in the Commonwealth of Pennsylvania as surety, consents and agrees that if the contract for the collection, hauling and disposal of residential solid waste, yard waste and recyclable materials be awarded to Biase Landscaping, LLC (CONTRACTOR), then the undersigned SURETY agrees to execute the Performance Bond required by the specifications and to become surety in the full amount of the contract price for the faithful performance of all obligations under the contract.

IN WITNESS WHEREOF, the undersigned, has caused this Consent of Surety to be signed by its duly authorized representative and its seal to be hereto affixed this 19th day of April, 2022.

ATTEST:

[NAME OF CORPORATION]

By: Biase Landscaping, LLC Louis F. Biase  
President

[CORPORATE SEAL]

or, if appropriate

WITNESS

[CORPORATE SEAL]

[NAME OF CORPORATION]

By: Louis F. Biase  
Authorized Representative

\*Attach appropriate proof, bearing date of Bond, evidencing authority to act for Corporation

WITNESS

Ryan Gumbata



Arch Insurance Company

Corporate Surety

By: [Signature]  
Attorney-in-Fact

Issuing Office:

Haborside 3, 210 Hudson St Suite 300

Address

Jersey City, New Jersey 07311

City, State, Zip



*This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for Note, Loan, Letter of Credit, Currency Rate, Interest Rate or Residential Value Guarantees.*

# POWER OF ATTORNEY

## Know All Persons By These Presents:

That the Arch Insurance Company, a corporation organized and existing under the laws of the State of Missouri, having its principal administrative office in Jersey City, New Jersey (hereinafter referred to as the "Company") does hereby appoint:

**Aaron Steffey and Chris Kolger of Houston, TX (EACH)**

its true and lawful Attorney(s)in-Fact, to make, execute, seal, and deliver from the date of issuance of this power for and on its behalf as surety, and as its act and deed: Any and all bonds, undertakings, recognizances and other surety obligations, in the penal sum not exceeding One Million Five Hundred Thousand Dollars (1,500,000.00). This authority does not permit the same obligation to be split into two or more bonds In order to bring each such bond within the dollar limit of authority as set forth herein.

The execution of such bonds, undertakings, recognizances and other surety obligations in pursuance of these presents shall be as binding upon the said Company as fully and amply to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal administrative office in Jersey City, New Jersey.

This Power of Attorney is executed by authority of resolutions adopted by unanimous consent of the Board of Directors of the Company on December 11, 2020, true and accurate copies of which are hereinafter set forth and are hereby certified to by the undersigned Secretary as being in full force and effect:

"**VOTED**, That the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, or the Secretary shall have the power and authority to appoint agents and attorneys-in-fact, and to authorize them subject to the limitations set forth in their respective powers of attorney, to execute on behalf of the Company, to attach the seal of the Company thereto, bonds, undertakings, recognizances and other surety obligations obligatory in the nature thereof, and any such officers of the Company may appoint agents for acceptance of process."

This Power of Attorney is signed, sealed and certified by facsimile under and by authority of the following resolution adopted by the unanimous consent of the Board of Directors of the Company on December 11, 2020:

**VOTED**, That the signature of the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, and the signature of the Secretary, the seal of the Company, and certifications by the Secretary, may be affixed by facsimile on any power of attorney or bond executed pursuant to the resolution adopted by the Board of Directors on December 11, 2020, and any such power so executed, sealed and certified with respect to any bond or undertaking to which it is attached, shall continue to be valid and binding upon the Company. **In Testimony Whereof**, the Company has caused this instrument to be signed and its corporate seal to be affixed by their authorized officers, this 6th day of August, 2021

Attested and Certified

*Regan A. Shulman*

Regan A. Shulman, Secretary



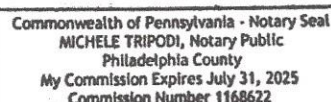
Arch Insurance Company

*Stephen C. Ruschak*

Stephen C. Ruschak, Executive Vice President

STATE OF PENNSYLVANIA SS  
COUNTY OF PHILADELPHIA SS

I, **Michele Tripodi**, a Notary Public, do hereby certify that Regan A. Shulman and Stephen C. Ruschak personally known to me to be the same persons whose names are respectively as Secretary and Executive Vice President of the Arch Insurance Company, a Corporation organized and existing under the laws of the State of Missouri, subscribed to the foregoing instrument, appeared before me this day in person and severally acknowledged that they being thereunto duly authorized signed, sealed with the corporate seal and delivered the said instrument as the free and voluntary act of said corporation and as their own free and voluntary acts for the uses and purposes therein set forth.



*Michele Tripodi*

Michele Tripodi, Notary Public  
My commission expires 07/31/2025

## CERTIFICATION

I, **Regan A. Shulman**, Secretary of the Arch Insurance Company, do hereby certify that the attached **Power of Attorney dated August 6, 2021** on behalf of the person(s) as listed above is a true and correct copy and that the same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said Stephen C. Ruschak, who executed the Power of Attorney as Executive Vice President, was on the date of execution of the attached Power of Attorney the duly elected Executive Vice President of the Arch Insurance Company.

**IN TESTIMONY WHEREOF**, I have hereunto subscribed my name and affixed the corporate seal of the Arch Insurance Company on this 19th day of April, 2022.

*Regan A. Shulman*

Regan A. Shulman, Secretary

This Power of Attorney limits the acts of those named therein to the bonds and undertakings specifically named therein and they have no authority to bind the Company except in the manner and to the extent herein stated.

**PLEASE SEND ALL CLAIM INQUIRIES RELATING TO THIS BOND TO THE FOLLOWING ADDRESS:**

Arch Insurance – Surety Division  
3 Parkway, Suite 1500  
Philadelphia, PA 19102



To verify the authenticity of this Power of Attorney, please contact Arch Insurance Company at [SuretyAuthentic@archinsurance.com](mailto:SuretyAuthentic@archinsurance.com). Please refer to the above named Attorney-in-Fact and the details of the bond to which the power is attached.



## Bid Bond

### CONTRACTOR:

(Name, legal status and address)

Biase Landscaping, LLC  
103 Reliance Circle  
Telford, PA 18969

### SURETY:

(Name, legal status and principal place of business)

Arch Insurance Company  
3 Harborside  
210 Hudson Street; Suite 300  
Jersey City, NJ 07311

### OWNER: (Name, legal status and address)

Abington Township  
1176 Old York Road  
Abington, PA 19001

**BOND AMOUNT:** 10%

### PROJECT:

(Name, location or address, and Project number, if any)

Landscape Maintenance - Abington Township Business District

**Project Number, if any:**

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 19th

day of April, 2022

Biase Landscaping, LLC.

Frank Biase  
(Witness)

Louis J. Biase Owner  
(Title)

(Seal)

Christopher Kolger  
(Witness)

Arch Insurance Company  
(Surety)

Aaron Steffey  
(Title)

Aaron Steffey, Attorney in Fact



By arrangement with the American Institute of Architects, the National Association of Surety Bond Producers (NASBP) ([www.nasbp.org](http://www.nasbp.org)) makes this form document available to its members, affiliates, and associates in Microsoft Word format for use in the regular course of surety business. NASBP vouches that the original text of this document conforms exactly to the text in AIA Document A310-2010, Bid Bond. Subsequent modifications may be made to the original text of this document by users, so careful review of its wording and consultation with an attorney are encouraged before its completion, execution or acceptance.



*This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for Note, Loan, Letter of Credit, Currency Rate, Interest Rate or Residential Value Guarantees.*

# POWER OF ATTORNEY

## Know All Persons By These Presents:

That the Arch Insurance Company, a corporation organized and existing under the laws of the State of Missouri, having its principal administrative office in Jersey City, New Jersey (hereinafter referred to as the "Company") does hereby appoint:

**Aaron Steffey and Chris Kolger of Houston, TX (EACH)**

its true and lawful Attorney(s)-in-Fact, to make, execute, seal, and deliver from the date of issuance of this power for and on its behalf as surety, and as its act and deed: Any and all bonds, undertakings, recognizances and other surety obligations, in the penal sum not exceeding One Million Five Hundred Thousand Dollars (1,500,000.00). This authority does not permit the same obligation to be split into two or more bonds in order to bring each such bond within the dollar limit of authority as set forth herein.

The execution of such bonds, undertakings, recognizances and other surety obligations in pursuance of these presents shall be as binding upon the said Company as fully and amply to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal administrative office in Jersey City, New Jersey.

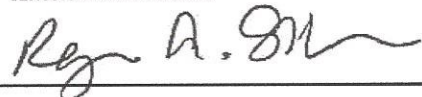
This Power of Attorney is executed by authority of resolutions adopted by unanimous consent of the Board of Directors of the Company on December 11, 2020, true and accurate copies of which are hereinafter set forth and are hereby certified to by the undersigned Secretary as being in full force and effect:

"**VOTED**, That the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, or the Secretary shall have the power and authority to appoint agents and attorneys-in-fact, and to authorize them subject to the limitations set forth in their respective powers of attorney, to execute on behalf of the Company, and attach the seal of the Company thereto, bonds, undertakings, recognizances and other surety obligations obligatory in the nature thereof, and any such officers of the Company may appoint agents for acceptance of process."

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Attested and Certified



Regan A. Shulman, Secretary



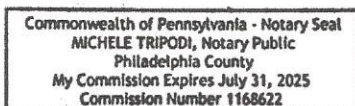
Arch Insurance Company



Stephen C. Ruschak, Executive Vice President

STATE OF PENNSYLVANIA SS  
COUNTY OF PHILADELPHIA SS

I, **Michele Tripodi**, a Notary Public, do hereby certify that Regan A. Shulman and Stephen C. Ruschak personally known to me to be the same persons whose names are respectively as Secretary and Executive Vice President of the Arch Insurance Company, a Corporation organized and existing under the laws of the State of Missouri, subscribed to the foregoing instrument, appeared before me this day in person and severally acknowledged that they being thereunto duly authorized signed, sealed with the corporate seal and delivered the said instrument as the free and voluntary act of said corporation and as their own free and voluntary acts for the uses and purposes therein set forth.



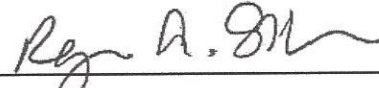


Michele Tripodi, Notary Public  
My commission expires 07/31/2025

## CERTIFICATION

I, **Regan A. Shulman**, Secretary of the Arch Insurance Company, do hereby certify that the attached **Power of Attorney dated August 6, 2021** on behalf of the person(s) as listed above is a true and correct copy and that the same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said Stephen C. Ruschak, who executed the Power of Attorney as Executive Vice President, was on the date of execution of the attached Power of Attorney the duly elected Executive Vice President of the Arch Insurance Company.

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Regan A. Shulman, Secretary

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Arch Insurance – Surety Division  
3 Parkway, Suite 1500  
Philadelphia, PA 19102



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**PROPOSAL FORM TO BE USED BY BIDDERS**

ALL proposals must be submitted on this **FORM OF PROPOSAL**.

COMMISSIONERS OF THE TOWNSHIP OF ABINGTON  
Public Works Department

Bidder:

Blaine Landscaping Inc., the undersigned, declares:

First, that I/we have personally examined the Specifications, Plans and Contract forms, and the location of the proposed work, and have satisfied myself/ourselves as to the quantity and character of the work and the materials necessary to complete the work on the locations stated below. Furthermore, I/we will execute the contract documents and provide the Township with a Performance Bond and a Labor and Materialmen's Bond if awarded the contract.

**LANDSCAPE MAINTENANCE BID**  
**ABINGTON TOWNSHIP BUSINESS DISTRICT**

**PRIMARY BID**

<u>Item No.</u>	<u>Description</u>	<u>Applications</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total Price</u>
<b><u>ITEM NO. 1 - Display Areas</u></b>					
A.	Zone One: Roslyn District	3	each	\$ <u>1,800.00</u>	\$ <u>5,400.00</u>
B.	Zone Two: North Hills District	3	each	\$ <u>1,600.00</u>	\$ <u>4,800.00</u>
C.	Zone Three: York Road District	3	each	\$ <u>5,400.00</u>	\$ <u>16,200.00</u>
D.	Zone Four: Keswick Village District	3	each	\$ <u>1,600.00</u>	\$ <u>4,800.00</u>
E.	Zone Five: The Fairway Business District	3	each	\$ <u>1,000.00</u>	\$ <u>3,000.00</u>

{01422363;v2}



F.	Zone Six: Ardsley Business District	3	each	\$ <u>600.00</u> \$ <u>1,800.00</u>
G.	Zone Eight Hollywood Business District	3	each	\$ <u>2,000.00</u> \$ <u>6,000.00</u>
H.	Zone Nine Glenside Business District	3	each	\$ <u>1,000.00</u> \$ <u>3,000.00</u>
Subtotal				\$ <u>45,000.00</u>

#### ITEM NO. 2 - Tree Pit Maintenance

A.	Zone One: Easton Road Roslyn 50 Tree Pits	3	each	\$ <u>600.00</u> \$ <u>1,800.00</u>
B.	Zone Two: North Hill Limekiln & Mt Carmel 43 Tree Pits	3	each	\$ <u>600.00</u> \$ <u>1,800.00</u>
C.	Zone Three: Old York Rd. 47 Tree Pits	3	each	\$ <u>600.00</u> \$ <u>1,800.00</u>
D.	Zone Four: Keswick Village 55 Tree Pits	3	each	\$ <u>600.00</u> \$ <u>1,800.00</u>
Subtotal				\$ <u>7,200.00</u>

#### ITEM NO. 3 - Brick Paver Treatment

A.	Zone One: Easton Road Roslyn All Brick Paver Sidewalks	2	each	\$ <u>600.00</u> \$ <u>1,200.00</u>
B.	Zone Two: North Hill Limekiln & Mt Carmel All Brick Paver Sidewalks	2	each	\$ <u>600.00</u> \$ <u>1,200.00</u>
C.	Zone Three: Old York Rd. All Brick Paver Sidewalks	2	each	\$ <u>600.00</u> \$ <u>1,200.00</u>

{01422363;v2}



D.	Zone Four: Keswick Village All Brick Paver Sidewalks	2	each	\$ <u>600.00</u> \$ <u>1,200.00</u>
E.	Zone Five: Jenkintown Rd. All Brick Paver Sidewalks	2	each	\$ <u>600.00</u> \$ <u>1,200.00</u>
F.	Zone Six: Township Line Rd. All Brick Paver Sidewalks	2	each	\$ <u>600.00</u> \$ <u>1,200.00</u>
			<b>Subtotal</b>	\$ <u>2,200.00</u>

**TOTAL AMOUNT OF PRIMARY BID (Sum of sub-total prices)**

\$ 59,400.00

#### ADD / SUPPLEMENTAL WORK

Item

No.	Description	Applications	Unit	Unit Price	Total Price
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#### ITEM NO. A.1 - Full Tree Pruning

A.	Zone One: Easton Road Roslyn 50 Trees	1	each	\$ <u>400.00</u> \$ <u>20,000.00</u>
B.	Zone Four A: Keswick Village 55 Trees	1	each	\$ <u>400.00</u> \$ <u>22,000.00</u>
C.	Zone Three: Old York Rd. 47 Trees	1	each	\$ <u>400.00</u> \$ <u>18,800.00</u>
				Subtotal * <u>42,800.00</u>

{01422363;v2}

**ITEM NO. A.1.a. - Tree Trimming**

A.	Zone One: Easton Road Roslyn 50 Trees	1	each	\$ <u>300.00</u>	\$ <u>15,000.00</u>
C.	Zone Two: North Hill Limekiln & Mt Carmel 43 Trees	1	each	\$ <u>300.00</u>	\$ <u>12,900.00</u>
D.	Zone Three: Old York Rd. 47 Trees	1	each	\$ <u>600.00</u>	\$ <u>28,100.00</u>
E.	Zone Four: Keswick Village 55 Trees	1	each	\$ <u>300.00</u>	\$ <u>16,500.00</u>
F.	Zone Five: Jenkintown Rd 2 Trees	1	each	\$ <u>300.00</u>	\$ <u>600.00</u>
G.	Zone Six: Mc Kinley 7 Trees	1	each	\$ <u>300.00</u>	\$ <u>2,100.00</u>
Subtotal				\$ <u>25,300.00</u>	

**ITEM NO. A.2 - Tree Spraying**

A.	Zone One: Easton Road Roslyn 50 Trees	1	each	\$ <u>80.00</u>	\$ <u>4,000.00</u>
B.	Zone Two: North Hill Limekiln & Mt Carmel 43 Trees	1	each	\$ <u>80.00</u>	\$ <u>3,440.00</u>
C.	Zone Three: Old York Rd. 47 Trees	1	each	\$ <u>80.00</u>	\$ <u>3,760.00</u>
D.	Zone Four: Keswick Village 55 Trees	1	each	\$ <u>80.00</u>	\$ <u>4,400.00</u>
Sub Total \$15,600.00					

{01422363;v2}

**ITEM NO. A.3 - Tree Replacements**

A.	Musashino Zelkova 3" caliper any or all zones	1	Each	<u>\$ 820.00</u> <u>\$ 820.00</u>
B.	Accolade Flowering Cherry 3 "caliper any or all zones	1	Each	<u>\$ 820.00</u> <u>\$ 820.00</u> Sub Total \$1,640.00

**ITEM NO. A.4 - Watering**

A.	Surface Watering All Zones all displays	1	Each	<u>\$ 2,400.00</u> <u>\$ 2,400.00</u>
B.	Deep Root Watering All zones all trees	1	Each	<u>\$ 2,400.00</u> <u>\$ 2,400.00</u> Sub Total \$ 4,800.00

**ITEM NO. A.5 - New Planter Bed**

A.	New 200 sq. ft. planter bed Remove grass and install mulch	1	Each	<u>\$ 2,400.00</u> <u>\$ 2,400.00</u> Sub Total 2,400.00
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**ITEM NO. A. 6- Furniture Repair**

		Quantity	Unit	
A.	Replace banner on street light (banner and arms are provided by Township)	50 est.	Each	<u>\$ 60.00</u> <u>\$ 3,000.00</u>
B.	Hang banner on banner poles (banner provided by Township) Poles are twenty feet high.	25 est.	Each	<u>\$ 80.00</u> <u>\$ 2,000.00</u>
C.	Replace flag on flagpole (flag provided by Township)	10 est.	Each	<u>\$ 80.00</u> <u>\$ 800.00</u>
D.	Spray paint black period {01422363;v2}	50 est.	Each	<u>\$ 150.00</u> <u>\$ 2,500.00</u>

Street light in place, wash light  
before painting if necessary.  
Includes labor and paint.

E.	Deploy bench or trash can From Public Works Yard To business location or, remove bench from field and return to Public Works Yard.	5 est.	Each	\$ <u>100.00</u>	\$ <u>500.00</u>
				Sub Total \$1,800.00	

#### ITEM NO. A. 7- Power Washing Bricks and Sidewalk

A.	Zone One: Easton Road Roslyn	1	each	\$ <u>2,400.00</u>	\$ <u>2,400.00</u>
C.	Zone Two: North Hill Limekiln & Mt Carmel	1	each	\$ <u>2,400.00</u>	\$ <u>2,400.00</u>
D.	Zone Three: Mc Kinley District on Twp Line	1	each	\$ <u>2,400.00</u>	\$ <u>2,400.00</u>
E.	Zone Four: Keswick Village	1	each	\$ <u>2,400.00</u>	\$ <u>2,400.00</u>
				Sub Total \$9,600.00	

#### ITEM NO. A. 8 - Hardscape Repair

		Quantity	Unit		
A.	Excavate and remove 4 to 6 inch concrete sidewalk blocks and replace with same, include stone.	1,000 est.	Sq. Ft	\$ <u>20.00</u>	\$ <u>20,000.00</u>
B.	Excavate and remove 4 to 6 inch concrete sidewalk blocks, remove all tree root material within, and replace with 6 inch concrete.	500 est.	Sq. Ft.	\$ <u>30.00</u>	\$ <u>15,000.00</u>
C.	Excavate and remove 2 to 3 inch Macadam and replace with same.	250 est.	Sq. Ft	\$ <u>30.00</u>	\$ <u>7,500.00</u>
D.	Excavate and remove 2 to 3 inch Macadam, remove all tree root material within, and replace with same.	250 est.	Sq. Ft.	\$ <u>35.00</u>	\$ <u>8,750.00</u>

{01422363;v2}



E.	Excavate and remove 18 inch concrete curbing and replace with same.	100 est.	L. F.	\$ <u>25.00</u>	\$ <u>2,500.00</u>
F.	Remove and reset brick pavers to grade using modified and sand base.	500 est.	Sq. Ft.	\$ <u>16.00</u>	\$ <u>8,000.00</u>
G.	Remove and reset brick pavers to grade using modified and sand base and removing all tree root material below.	500 est.	Sq. Ft.	\$ <u>30.00</u>	\$ <u>15,000.00</u>
H.	Reset brick edging in tree pits	25 est.	L. F.	\$ <u>10.00</u>	\$ <u>250.00</u>
I.	Remove and reset brick pavers to grade using 3 inch concrete sub base and sand.	250 est.	Sq. Ft.	\$ <u>25.00</u>	\$ <u>6,250.00</u>
J.	Repair Belgium Blocks in islands	25 est.	L. F.	\$ <u>20.00</u>	\$ <u>500.00</u>
<b>Subtotal</b>				\$ <u>88,250.00</u>	

**ITEM NO. A. 9- Special Requests**

A.	This item can include a variety of Tasks requested by the Township Such as trash removal to PW Yard, Holiday decorations, sign cleaning, graffiti, sign or tape removal. These requests are handled on a time and material cost basis. Indicate here your standard labor rate per hour.	10 est.	hour	\$ <u>100.00</u>	\$ <u>1,000.00</u>
----	---	---------	------	------------------	--------------------

**TOTAL AMOUNT OF BID ADD/SUPPLEMENTAL BID**

\$ 255,690.00

**TOTAL POTENTIAL CONTRACT AMOUNT  
(Add Primary Bid and Add/Supplemental Bid)**

\$ 315,090.00

**Note:** The Township at its sole discretion in assessing performance and market conditions, and without obligation to award..

PLEASE CIRCLE OR CHECK WHICH IS APPLICABLE:

**CERTIFIED CHECK - 10% OR BID BOND - 10%**

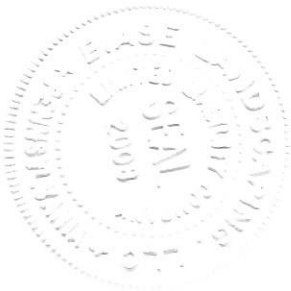
Completion date for each project year - December 15<sup>th</sup>, 2022, 2023 and 2024

2nd. That BIASE Landscaping LLC, will complete this contract, if awarded, by **December 15<sup>th</sup>, 2022**

3rd. That if the contract is awarded to BIASE by the Commissioners, BIASE will begin work on same within fifteen (15) working days from date of executing the contract.

4th. I/we enclose a certified check for ten percent (10% or bid bond for ten percent (10% of the total amount of the proposal made payable to the Township of Abington for bid security, which bid security shall be forfeited to and become the property of the Township if BIASE proposal is accepted by the Board of Commissioners and BIASE shall fail, refuse or neglect to execute the contract, complete with properly executed surety as called for by the contract, within ten (10) days from date of notification of acceptance of the Board of Commissioners.

FIRM BIASE Landscaping LLC  
ADDRESS 102 Rosewood Dr. Telford, PA 18969  
PHONE NO. 215-282-6490  
BY Louis B. Bland Owner  
Name and Title





BOARD OF COMMISSIONERS REGULAR  
PUBLIC MEETING

AGENDA ITEM

May 12, 2022

BOC-04-051222

DATE

AGENDA ITEM NUMBER

Police

DEPARTMENT

FISCAL IMPACT

Cost > \$10,000

Yes

☐

No

☒

PUBLIC BID REQUIRED

Cost > \$20,100

Yes

☐

No

☒

AGENDA ITEM:

New officer appointment.

EXECUTIVE SUMMARY:

In March and April two members of the Department left due to retirement and to pursue other options. The Department would like to fill one vacancy by appointing one new officer.

The appointment of this Officer was budgeted and planned for by administering an Entry Level Police Officer Exam. The written was held on July 30th and 31st, 2021. the Physical Agility Test was administered on August 14, 2021. The Oral Interviews were conducted August 30th through September 20th, 2021.

PREVIOUS BOARD ACTIONS:

The Board of Commissioners approved the hiring of Michael Roberts and Michael Guidera at Regular Board Meeting on January 13, 2022.

RECOMMENDED BOARD ACTIONS:

Motion to appoint Kyle Hanlin from the Civil Service eligibility list to the position of Police Officer

effective May 16, 2022. (*Chief Mollo*)



# ABINGTON TOWNSHIP CIVIL SERVICE COMMISSION

Edward Nolan, Chairman

Philip Beal, Vice Chairman

Diane Misko, Secretary

## ELIGIBILITY LIST: PATROL OFFICER CANDIDATES

Written Examination: July 30 and 31, 2021

Rank	Last Name	First Name	Written Score	Written 40%	Oral Score	Oral 60%	Military	Total
1	CARINO	ELIANA	88.49	35.40	80.60	48.36	10.00	93.76
2	RUCKER	GEORGE	88.75	35.50	94.30	56.58		92.08
3	HENRY	NORDIA	87.28	34.91	95.00	57.00		91.91
4	ROBERTS	MICHAEL	88.61	35.44	90.30	54.18		89.62
5	BROOKS	STEVEN	89.50	35.80	89.60	53.76		89.56
6	GUIDERA	MICHAEL	90.37	36.15	87.00	52.20		88.35
7	HANLIN	KYLE	88.83	35.53	87.66	52.60		88.13
8	NEIDERMYER	HANNAH	90.87	36.35	85.33	51.20		87.55
9	MCCHORD	ALEXANDER	89.74	35.90	84.60	50.76		86.66
10	DORSEY	PATRICK	86.41	34.56	85.30	51.18		85.74
11	CRANE	PAUL	87.54	35.02	81.00	48.60		83.62
12	PINDLE	LOWELL	86.86	34.74	81.00	48.60		83.34
13	WOLTEMADE	MARK	89.96	35.99	78.60	47.16		83.15
14	MCMAHON	ROBERT	89.74	35.90	78.60	47.16		83.06
15	FANTRY	MICHAEL	91.39	36.56	76.60	45.96		82.52
16	CALLAHAN	MATTHEW	88.85	35.54	77.60	46.56		82.10
17	READINGER	MELISSA	91.38	36.55	75.30	45.18		81.73
18	PETERS	NEIL	87.52	35.01	77.30	46.38		81.39
19	ROCKS	KYLE	86.68	34.67	76.60	45.96		80.63
20	PETACCIO	DEVON	92.64	37.06	72.00	43.20		80.26
21	BAKOVIC GARCIA	BRIAN	92.28	36.91	71.60	42.96		79.87
22	STAHL	ANDREW	88.17	35.27	74.30	44.58		79.85

# ABINGTON TOWNSHIP CIVIL SERVICE COMMISSION

Edward Nolan, Chairman

Philip Beal, Vice Chairman

Diane Misko, Secretary

## ELIGIBILITY LIST: PATROL OFFICER CANDIDATES

Written Examination: July 30 and 31, 2021

Rank	Last Name	First Name	Written Score	Written 40%	Oral Score	Oral 60%	Military	Total
23	KEYS	JULLIAN	87.75	35.10	73.00	43.80		78.90
24	SELL	RYAN	88.15	35.26	72.60	43.56		78.82
25	BERTRAND	ANDY	84.75	33.90	74.60	44.76		78.66
26	BECK	ANDREW	88.53	35.41	71.60	42.96		78.37
27	ODONNELL	MATTHEW	86.84	34.74	72.30	43.38		78.12
28	ENGLISH	KEITH	88.55	35.42	70.00	42.00		77.42
29	WEAVER	DESLYN	85.17	34.07	71.30	42.78		76.85
30	HIRES	VERONICA	86.78	34.71	70.00	42.00		76.71
31	SCHMIDT	WILLIAM	85.16	34.07	70.60	42.36		76.43
32	ROWE	STEPHEN	85.12	34.05	70.00	42.00		76.05


Date of Written Examination: July 30 and 31, 2021

Date of Physical Agility Test: August 14, 2021

Date of Oral Examination: August 30 through September 20, 2021

Date Eligibility List Adopted: September 30, 2021

Date Eligibility List Expires: September 30, 2022

  
Edward Nolan/Chairman

  
Philip Beal, Vice Chairman

  
Diane Misko, Secretary



BOARD OF COMMISSIONERS REGULAR  
PUBLIC MEETING

AGENDA ITEM

May 12, 2022

BOC-05-051222

DATE

AGENDA ITEM NUMBER

Administration

DEPARTMENT

FISCAL IMPACT

Cost > \$10,000

Yes

☐

No

☒

PUBLIC BID REQUIRED

Cost > \$20,100

Yes

☐

No

☒

AGENDA ITEM:

365 Cedar Road

EXECUTIVE SUMMARY:

The Applicant is proposing to demolish an existing residential dwelling, covered porch, garage, shed and boulder wall; and subdivide the existing 177,620 square foot parcel into eight (8) individual lots ranging from 15, 022 SF to 21,14 SF. Along with the subdivision, the Applicant is proposing to construct a single-family detached dwelling on each lot, as well as associated, sidewalk, curbing, driveway, streetlights and stormwater management facilities. Access to/from the site will be by way of one new cul-de-sac roadway named Independence Circle that will intersect with Cedar Road as a new T-intersection. Each new dwelling is proposed to be served by public water and sewer service.

PREVIOUS BOARD ACTIONS:

None

RECOMMENDED BOARD ACTIONS:

Motion to approve the Major Subdivision and Land Development for 365 Cedar Road.(Mr. Hassan)



February 1, 2022

ABINT130022

Mr. Richard Manfredi, Township Manager  
Abington Township  
1176 Old York Road  
Abington, PA 19001

**RE: SD-21-03-365 Cedar Road (Yannessa Subdivision)**  
**PARID: 30-00-07112-00-4 / TMID: 30086 020**  
**Preliminary Major Subdivision and Land Development**

Dear Mr. Manfredi:

We have received a copy of the Preliminary Major Subdivision and Land Development Plans consisting of fourteen (14) sheets dated November 22, 2021, and received on November 30, 2021; as prepared by Eastern/Chadrow Associates, Inc. located at 333 E. Street Road in Warminster, PA for the above referenced project. As requested, we have prepared an overview of the above subject preliminary major subdivision and land development project as follows:

**Executive Summary:**

This project is located within the R2-Low-Medium Density Residential Zoning District. The subject parcel is fronted by Cedar Road (SR 2058) (60 FT R/W) to the north; residential apartments zoned in the AO-Apartment-Office Zoning District to the south; and residential properties zoned in the R2-Low-Medium Density Residential Zoning District to the east and west.

The Applicant is proposing to demolish an existing residential dwelling, covered porch, garage, shed, and boulder wall; and subdivide the existing 177,620 SF (4.0776 acres) parcel into eight (8) individual lots ranging from 15,022 SF to 21,514 SF. Along with the subdivision, the Applicant is proposing to construct a single-family detached dwelling on each lot, as well as associated, sidewalk, curbing, driveway, streetlights, and stormwater management facilities. Access to/from the site will be by way of one new cul-de-sac roadway named Independence Circle that will intersect with Cedar Road (SR 2058) as a new T-intersection. Each new dwelling is proposed to be served by public water and sewer service.

The Applicant has identified areas of precautionary steep slopes (greater than 15% to 25%) and prohibitive steep slopes (greater than 25%), located primarily at the front and rear of the site. Although there are existing steep slopes identified on the site, these areas do not span five contiguous 10-foot contour intervals; and therefore, the site is determined to be located outside the steep slope conservation overlay district.

Based on the FEMA determination, the tract is not located within the Floodplain Conservation District. Based on the plans and FIRM map, there are no wetlands that exist on site.



**Waivers:**

The Applicant is requesting the following SALDO waivers:

1. **§146-11.A.(4) – Property Identification Plan** – Tract boundaries with tax parcel numbers, owner's names and approximate acreage of lots surrounding any portion of the site for a distance of 400 feet. **The Applicant has requested a waiver to not be required to show all existing and proposed features, tax parcels, and owners names within 400 feet of the site. The Applicant has provided an Aerial Plan of the parcel on Sheet 3 of the plans set.**

We support a partial waiver due to the size and scope of the project, contingent the Applicant shows the tax parcel numbers, owner's names and approx. acreage of the immediately abutting properties of the tract. We also request that the Applicant revise the aerial plan to increase the resolution, zoom out the aerial image, and provide and label a 400' radius surrounding the site.

2. **§146-11.B.(3) – Existing Features Plan** – The location of property lines and names of landowners within 400 feet of any part of the site to be subdivided or developed. **The Applicant has requested a waiver to not be required to show all existing and proposed features, tax parcels, and owners names within 400 feet of the site. The Applicant has provided an Aerial Plan of the parcel on Sheet 3 of the plans set.**

We support a partial waiver due to the size and scope of the project, contingent the Applicant shows the property lines and names of the immediately abutting properties of the tract. We also request that the Applicant revise the aerial plan to increase the resolution, zoom out the aerial image, and provide and label a 400' radius surrounding the site.

3. **§146-11.H.(1) – Landscaping and Shade Tree Plan** – The landscaping plan shall be prepared by a registered landscape architect. **The Applicant has requested a waiver to not be required to have the landscape plan prepared by a professional landscape architect. The Applicant has provided a landscape plan on Sheet 11 of the plans set. However, the plan does not include certification or information of a landscape architect; and approval of this waiver to not require the landscape plan be prepared by a registered landscape architect is required.**

We do not support this waiver request and recommend that the landscape plan be prepared by a landscape architect to specify the appropriate tree species for the site, and, in accordance with Zoning Code Section 2401.A.2.d.(1)(e), to certify that vegetation removal is minimized; that no alternative layouts are possible and that no alternative clearing or grading plan would reduce the loss of mature trees, tree mass, and woodland areas.

4. **§146-11.L – Architectural Plan** – Tentative architectural plans, appropriately scaled to show the following details, shall be included:

- (a) Front, side, and rear elevations of proposed buildings.
- (b) The number of floors proposed, including basement and mezzanine areas.
- (c) Building use group as defined in the Township Building Code. If mixed uses are proposed, an indication of the use groups involved shall also be included.
- (d) Area and height limitations of proposed buildings.
- (e) Construction type as defined in the Township Building Code.
- (f) Sprinkler requirements as defined in the Township Sprinkler Ordinance.
- (g) The location of fire exits and exit discharge.
- (h) For apartment buildings, the total dwelling unit count and the number of rooms proposed for each dwelling unit.

**The Applicant is requesting a waiver from this code section requirement to not be required to provide**

architectural plans of the individual proposed dwellings.

**We do not support this waiver request and recommend at a minimum that the Applicant provide renderings of the dwelling units to be proposed for review and approval by the Board of Commissioners. The Applicant can provide the renderings prior to final land development approval.**

5. **§146-24.D.(1) – Right-of-Way and Paving Widths – Streets** – The minimum widths of the right-of-way and the paving shall not be less than those on an existing street of which the new street is to be a continuation nor less than 30 feet for residential streets. **The Applicant is proposing a 24 feet wide roadway cartway in lieu of the required 30 feet roadway cartway width.**

**We do not support this waiver request, especially since the minimum required roadway cartway is 30 feet and it appears that the applicant intends to dedicate this street to the Township.**

6. **§146-24.D.(4).(a) – Right-of-Way and Paving Widths – Culs-de-sac** – The minimum right-of-way width shall be 50 feet, and the minimum cartway width shall be 30 feet. The cul-de-sac shall be not less than 250 feet and not greater than 500 feet long terminating in a turnaround with a minimum right-of-way radius of 60 feet and an outer paving radius of 50 feet. No island, barrier or other obstruction shall be placed within the paved radius of the cul-de-sac. The cul-de-sac shall be measured along the center line from the near right-of-way line of the adjacent intersecting street to the center of the turnaround. **Based on our measurements, the Applicant has proposed a cul-de-sac length of approx. 583 LF which is greater than the required 500 feet maximum; and thus, requiring a waiver from this code section.**

**We support a waiver from the roadway length requirement due to the existing size of the tract and contingent the Applicant adequately demonstrates that emergency services and sanitation vehicles can adequately maneuver the site.**

**However, we do not support the reduced cartway width of 24 feet, and recommend that the Applicant provide the required 30 feet cartway width, especially since the Applicant intends to dedicate the street to the Township.**

7. **§146-25.D – Curb** – Wherever practicable, curblines shall be rounded by a tangential arc, the minimum radius of which shall be 20 feet. The curbline radius shall be concentric with that of the right-of-way line, except at the intersections of streets having different widths between curblines and right-of-way lines. **The Applicant did not label the curb radii for the new roadway at the site entrance.**

**We support this waiver request contingent the Applicant labels the curb radii and provide turning templates to show that emergency services and sanitation vehicles can adequately make the turning maneuvers into and out of the site entrance.**

8. **§146-33.D – Drainage – Size, Shape and Type** – Storm drains shall be adequate for the anticipated runoff when the area is fully developed as permitted by zoning. They shall have a minimum internal diameter of 15 inches and a minimum grade of 0.5% unless otherwise approved by the Township Engineer. Reinforced cement concrete pipe (RCCP) shall be used where the system is to be accepted by the township. **The Applicant is requesting a waiver to permit the use of high-density polyethylene pipe (HDPE) in lieu of reinforced cement concrete pipe (RCCP) for the stormwater system. The Applicant is proposing 15-inch and 18-inch HDPE pipes beneath the proposed roadway at least 2.67' of cover.**

**We support this waiver request contingent the Applicant provides stormwater calculations to adequately convey the stormwater runoff from the site improvements.**

- 9. §146-43.C.(3).(a) – Cut & Fill Slopes** – Cut and fill slopes shall not be 15% or steeper, except as approved by the Township Zoning Hearing Board. The Township Engineer may require the use of retaining walls, cribbing or other measures necessary to stabilize slopes which are either cut into or filled. **The Applicant is proposing grades with 3:1 slopes (33%) to construct the rain garden in the rear of Lot 5 and regrading in various areas throughout the site.**

**We currently do not support this waiver request as we do not believe that there is adequate usable rear yard space behind the dwelling units of Lots 7 and 8 due to the existing steep slopes. We suggest that the Applicant revise should revise the plans to provide for either better or safer stormwater bmps, or look into omitting a dwelling or two, to make this a better site.**

**Issues:**

- We believe that a better layout for the site can be achieved by omitting a lot or two and relocating the proposed rain garden outside of the rear yard of Lot 5 and also by relocating the proposed underground from beneath the roadway.
- The Applicant shall clarify and confirm its intention for the new cul-de-sac street. It appears the new street would be dedicated to the Township. If so, the roadway cartway needs to be 30' wide per code standard and not 24' wide as proposed.
- We do not recommend an underground BMP beneath a public street that would be maintained by the Township.

If you have any questions or comments with this submittal, please do not hesitate to contact me.

Sincerely,

**PENNONI**

Khaled R. Hassan, PE  
Township Engineer

cc: Terry Castorina, Executive Assistant to the Township Manager  
Ashley McIlvaine, Special Assistant to the Township Manager  
Lucy Strackhouse, Chairperson, Abington Township Planning Commission

U:\ACCOUNTS\ABINT\ABINT130022 - SD-21-03\YANESSA SUBDIVISION 365 CEDAR\ADMIN\SD-21-03-PC MTG EXEC SUMMARY - 365CEDARRD YANESSA.DOCX



APPLICATION FOR SUBDIVISION/LAND DEVELOPMENT

PROJECT NAME: 365 Cedar Road

APPLICANT NAME: Paul Yannessy

TO BE COMPLETED BY THE TOWNSHIP

Submission Information:

Application Number: \_\_\_\_\_

Date Complete: \_\_\_\_\_

Project Title: \_\_\_\_\_

90 Day Date: \_\_\_\_\_

File Date: \_\_\_\_\_

Ward No.: \_\_\_\_\_

**REQUIRED MATERIAL FOR ALL SUBDIVISION/LAND DEVELOPMENT APPLICATIONS:**

1. This form **MUST** be completed and submitted.
2. A Subdivision/ Land Development Application **MUST** include all of the items listed in the application checklist in Section V to be considered complete.
3. Incomplete application will **NOT** be placed on the Planning Commission agenda. Incomplete applications will be returned to the applicant.
4. Complete applications must be received at least 45 DAYS (see schedule) prior to the Planning Commission meeting at which it will be heard.
5. Ten (10) full size paper copies, and one (1) 11x17 reduced copy of the plans, plus three (3) copies of each report or study are to be submitted in the initial submission of the complete application. A digital copy of all submitted documents must be included with the application.

**\*It is highly encouraged to submit applications in a digital format**

I. CONTACT INFORMATION

**Applicant  
Information**

Paul Yannesssa  
Name  
403 Longfield Road Glenside, PA 19038  
Address  
215-840-3260 \_\_\_\_\_  
Phone Fax  
PYannesssa@gmail.com  
Email Address

**Property  
Owners  
Information  
(if different  
than applicant)**

Victor Yannesssa  
Name  
365 Cedar Road Elkins Park, PA 19027  
Address  
\_\_\_\_\_  
Phone Fax  
\_\_\_\_\_  
Email Address

**Architect/  
Planner**

\_\_\_\_\_  
Name  
\_\_\_\_\_  
Address  
\_\_\_\_\_  
Phone Fax  
\_\_\_\_\_  
Email Address

**Engineer/  
Surveyor**

Lawrence J. Byrne, PE  
Name  
333 East Street Road Warminster, PA  
Address  
18974

Engineer/  
Surveyor  
Cont'd

215-672-8671 215-672-6765  
Phone Fax  
LJByrnePE@gmail.com  
Email Address

Attorney

\_\_\_\_\_  
Name  
\_\_\_\_\_  
Address  
\_\_\_\_\_  
Phone Fax  
\_\_\_\_\_  
Email Address

## II. PROJECT INFORMATION

### Application Type:

☐ Minor Subdivision      ☐ Minor Land Develop.      ☐ Preliminary Major SD & LD  
☒ Preliminary Major Subdivision      ☐ Prelim. Major Land Develop.      ☐ Final Major SD & LD  
☐ Final Major Subdivision      ☐ Final Major Land Develop.

Full street address of the property: 365 Cedar Road Elkins Park PA 19027

Tax Parcel No.: 30-00-07112-004 County Deed Book No.: \_\_\_\_\_ Page No.: \_\_\_\_\_

Description of Proposed Work: Eight lot subdivision

Total Tract Acreage: 4.08

Project Acreage: 4.08

Zoning District: R2 Existing Number of Lots: 1 Proposed Number of Lots: 8

Existing Sewer Flows: 0 Proposed Sewer Flows: 2,000 gpd

### Proposed Land Use:

☒ Single Family Detached      ☐ Single Family Attached      ☐ Single Family Semi-Detached  
☐ Multi-Family      ☐ Commercial      ☐ Office      ☐ Industrial  
☐ Other (Describe): \_\_\_\_\_

### III. REVIEW

Please complete the following section by circling a response:

- |   |     |    |
|---|-----|----|
| • Have you met with the Zoning Officer regarding this plan?   | Yes | No |
| • Are there known variances/any zoning relief necessary for this project?*  | Yes | No |
| • If YES, have you submitted an application to the Zoning Hearing Board?  | Yes | No |
| • Has this plan been heard by the Zoning Hearing Board?   | Yes | No |
| • Has this plan been submitted to, considered by, or received any formal action by the Planning Commission or Board of Commissioners in the past? | Yes | No |

\*Please be advised that if any variances are found to be necessary during the course of the review of this plan, you will be required to go to the Zoning Hearing Board prior to proceeding to the Planning Commission. In addition, you will be requested to grant the Township a waiver to the 90-day action period or an immediate denial of this application will be made, and you will be required to resubmit the application.

It is recommended that ALL Land Development and Major Subdivision applications have a pre-submission meeting to discuss the project prior to full application submittal.

Minor Subdivision applications may request a pre-submission meeting; if one is desired.

Meetings are typically held the fourth Tuesday of each month at the Township Administrative Offices.

Applicants assume responsibility of any fees associated with this meeting.

  
Applicant signature

11-23-2021  
Date

To schedule a pre-submission meeting, please contact the Office of the Township Manager at 267-536-1003 or email [TCastorina@abingtonpa.gov](mailto:TCastorina@abingtonpa.gov)

IV. WAIVERS

List of Requested Waivers: Attach separate sheet if required.

Section/Requirement:	Relief Requested:
See list of Waivers Letter	(Attached)

## V. SUBMISSION

### APPLICATION CHECKLIST

The applicant is responsible for the submission of a complete application. This checklist will aid both the applicant and staff in ensuring that all applications are complete. The following is a per item submission checklist for all Subdivision, Land Development and Conditional Use Applications for the Township of Abington.

- ☒ Application Form: completed and signed by the owner/applicant
- ☒ 10 (ten) copies of the proposed plan, folded to legal file size. Plan should not be smaller than 1" = 50' and not exceed a sheet size of 24" x 36"
- ☒ One (1) reduced copy of the proposed plan, no larger than 11" x 17"
- ☐ Two (2) sets of tentative architectural plans for all applications proposing construction or land development *Waiver Requested*
- ☐ One (1) copy of the Recreation Facilities Plan (if required by §146-40)
- ☒ Letter of Sanitary Sewer availability from the Township Wastewater Treatment Department
- ☒ Two (2) copies of Sewage Facilities Planning Module Applications
- ☒ Letter of Water availability from AQUA PA
- ☐ One (1) copy of any previous Zoning Hearing Board decisions related to the subject property
- ☒ One (1) digital copy of all submitted documents
- ☒ Application Fee: Check made payable to the Township of Abington
- ☒ Escrow Fee: Check made payable to the Township of Abington. Separate check from application fee

## VI. SIGNATURE

The undersigned represents that to the best of his/her knowledge and belief, all the above statements are true, correct, and complete.

  
\_\_\_\_\_  
Signature of Applicant

*11-23-2021*  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Property Owner (if different than applicant)

\_\_\_\_\_  
Date

**THE FOLLOWING IS FOR INTERNAL USE ONLY:**

**PAYMENT**

\_\_\_\_ Application Fee      Amount: \$ \_\_\_\_\_      Check No.: # \_\_\_\_\_

\_\_\_\_ Review Escrow Fee      Amount: \$ \_\_\_\_\_      Check No.: # \_\_\_\_\_

**DECISION INFORMATION**

Approval \_\_\_\_\_ Denial \_\_\_\_\_ Decision Date: \_\_\_\_\_

Comments/Conditions: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



## PLANNING PROCESS EXTENSION AGREEMENT

FOR

365 Cedar Road  
PROJECT NAME

The Pennsylvania Municipality Planning Code (MPC) and the Abington Township Subdivision and Land Development Ordinance state that action must be taken by the Township within ninety (90) days after a complete application is filed with the Township. In the Township, complicated, unique, and community impactful projects have or may require additional time in order to complete a thorough review before being considered for approval. As such, an applicant may voluntarily waive the timing requirement at any time, but is encouraged to submit this waiver with the completed application.

I, the applicant, hereby voluntarily waive the timing requirement as set forth in the MPC (Section 53 P.S. 10508) and the Abington Township Subdivision and Land Development Ordinance (Section 146-13). Applicant acknowledges that this waiver can be revoked at any time upon written notice to the Township Manager. The time limitations set forth in 53 P.S. 10508 and Section 146-13 of the Abington Township Code shall be calculated from the date that the written revocation is received by the Township Manager.

Signed:   
Applicant

Date: 11-23-2021

Received: \_\_\_\_\_  
Township

Date: \_\_\_\_\_

**ESCROW AGREEMENT FOR PROFESSIONAL REVIEW FEES  
FOR SUBDIVISION/LAND DEVELOPMENT APPLICATIONS**

The undersigned hereby agrees to post an escrow to cover the costs of the review of subdivision and land development applications by the Township's Planner, Engineer, and Solicitor. The amount of said escrow shall be according to the attached "Schedule of Fees" and shall be posted at the time of initial submission of an application to the Township. Said fees shall be placed in an escrow account and any balance remaining shall be returned to the applicant subsequent to the receipt of final approval.

The applicant is advised that the "Schedule of Fees" represents only an estimate of the costs associated with plan review. The completeness and quality of the submission, the complexity of the project, the number of revisions and other factors may cause costs to exceed the established escrow amounts. If during the course of a subdivision/land development review an escrow amount falls to 10% of the original escrow amount or \$250, whichever is greater, the Township may require the posting of additional escrow.

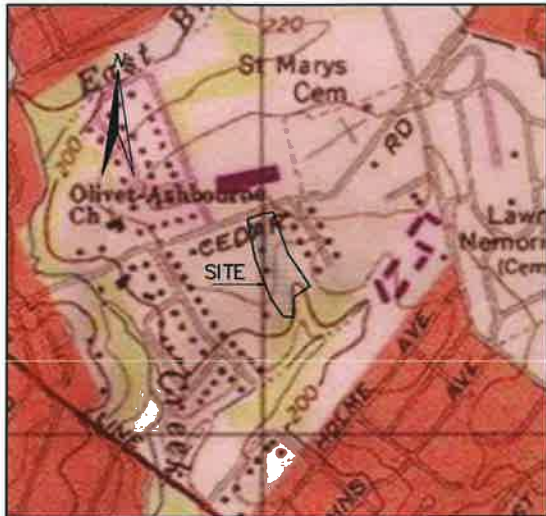
NOTE: NO FINAL APPROVALS, CONSTRUCTION, BUILDING OR OCCUPANCY PERMITS SHALL BE ISSUED UNTIL ALL OUTSTANDING PROFESSIONAL REVIEW FEES HAVE BEEN SATISFIED.

Signed: \_\_\_\_\_

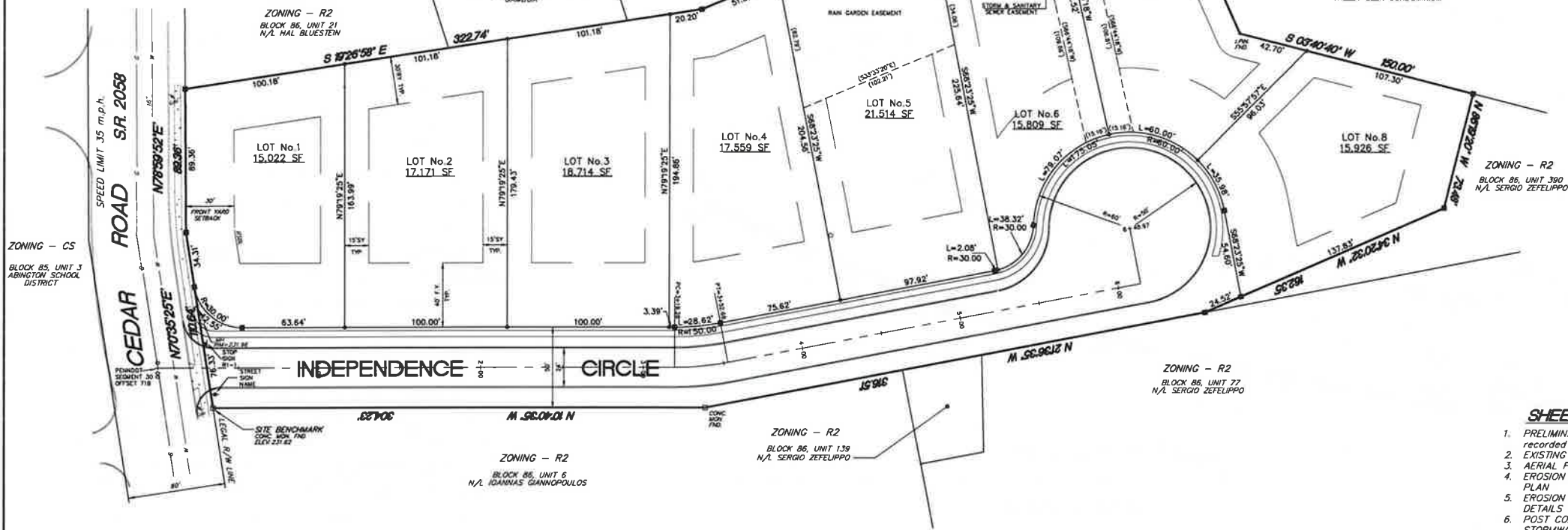


Applicant

Date: 11-23-2021



U.S.G.S. LOCATION MAP  
FRANKFORD QUAD  
SCALE: 1" = 800'



#### General Notes and Summary

1. Tax Parcel: Block 86 Unit 20 P/N (30-00-0712-00-4)
2. Size Area = 177,620 SF to legal ROW or 4.0776 Acre
3. Owner of Record: Victor Yannessas  
365 Cedar Road  
Elkins Park, PA 19027  
Applicant: Paul Yannessas  
403 Longfield Road  
Glenview, PA 19038  
215-840-3260
4. Zoning: R2 - Low/Medium Density Residential District  
Existing and Proposed Use: Single Family Detached Dwelling (Use H-7) Permitted by Right  

Required/Permitted	Provided
a. Lot Area - 15,000 sf min.	15,022 sf
b. Lot Width - 100 ft. min. @ BSEL	100 ft.
c. Lot Depth - 100 ft. min.	148.71 ft.
d. Front Yard - 40 ft. min.	40 ft.
e. On corner lot one yard may be reduced to 30 ft.	
f. Side Yard - 15 ft. each min.	15 ft.
g. Rear Yard - 30 ft. min.	30 ft.
h. Impervious Coverage - 35% max.	less than 35%
i. Building Coverage - 25% max.	less than 25%
j. Green Area - 65% min.	more than 65%
k. Building Height - 35 ft. max.	less than 35 ft.
l. Building Length - 150 ft. max.	less than 150 ft.
m. Building Separation - 30 ft. min.	more than 30 ft.
n. Open Space - None Required.	None
o. Buffer Yards Not Required	None
5. Required Parking - Residential use: 2 parking spaces per unit exclusive of garage. Provided Parking: A minimum of 2 on lot parking spaces will be provided per lot
6. Property boundary determined from field survey by Easton/Chadrow Associates, Inc and various plans, deeds and information of record.
7. Datum of Topography - U.S.C. & G.S.

#### General Notes and Summary

8. Public sanitary sewer service is to be provided by Abington Township. Offsite access easement has been acquired from Valley Glen Condominium Association for gravity flow to existing public sewers located at the terminus of Glenmore Avenue. Public water service is provided by AQUA Pennsylvania.
9. There are no floodplains located on the site based on FEMA Flood Insurance Rate Map number 42091CD03G revised March 2, 2016.
10. No wetlands or regulated watercourses exist on the property based on field investigation performed by Joseph A. Valentine of VW Consultants, LLC on November 7, 2017 and letter report dated December 30, 2017.
11. The site is tributary to the Jenkintown Creek, which is located in the Tacony Creek (Frankford Creek) Watershed stormwater management district B, PA Chapter 93 classification is WWF-MF. Stormwater management facilities shall be provided in accordance with Abington Township stormwater management ordinance requirements.
12. Cedar Road SR 2058 is a PennDOT state highway. Access to Cedar Road shall be in accordance with PennDOT highway occupancy permit requirements.
13. The onsite soils are classified as:  
CnB - Glenelg Silt Loam, 3% to 8% slopes - HSG "B"  
Ha - Hatherslo Silt Loam - HSG "B/D"  
Mac - Manor Silt Loam, 8% to 15% slopes - HSG "B"  
UugB - Urban Land - Udothents, schist and gneiss complex, 0% to 8% slopes - HSG "C"  
UugD - Urban Land - Udothents, schist and gneiss complex, 8% to 25% slopes - HSG "C"
14. These drawings indicate the approximate location of existing subsurface utilities in the vicinity of the project and are not guaranteed for accuracy and/or completeness. Pennsylvania Act 187 as amended requires that contractors determine the location of all utility, sewerage and water lines before commencing construction. PA One Call 1-800-242-1776 Serial # 20171532707.
15. Fire hydrants and streetlights are to be installed at the expense of the subdivider/land developer in accordance with township standards and with the recommendations of the respective utility companies, subject to the approval of the Board of Commissioners.

I HEREBY CERTIFY THAT I AM A LICENSED PROFESSIONAL LAND SURVEYOR, LICENSED IN COMPLIANCE WITH THE LAWS OF THE COMMONWEALTH OF PENNSYLVANIA. THAT THIS IS A TRUE AND ACCURATE SURVEY MADE ON THE GROUND COMPLETED BY ME ON JANUARY 2018. THAT ALL THE MARKERS SHOWN THEREON ACTUALLY EXIST, THAT THEIR LOCATION, SIZE, TYPE AND MATERIAL ARE ACCURATELY SHOWN, AND THAT NO ENCROACHMENTS, RIGHTS OF WAY OR EASEMENTS EXIST EXCEPT AS SHOWN.

SIGNATURE

#### List of Waivers

The applicant respectfully requests waivers from the following sections of the Abington Township subdivision and land development ordinance (SALDO).

1. Section 146-11.A(4) and 146-11.B(3) - To not be required showing all existing and proposed features, tax parcels and owners names within 400 feet of the site. An aerial plan is provided which shows the surrounding area.
2. Section 146-11.H(1) - To not be required to have the Landscape plan be prepared by a landscape architect.
3. Section 146-11.L - To not be required to provide architectural plans of the individual proposed dwellings.
4. Section 146-24.D(1) - To permit a paved driveway width of 24 feet instead of the required 30 feet.
5. Section 146-24.D.4.(a) - To permit a cul de sac with a length greater than 500 feet.
6. Section 146-25.D - To permit a curb radius of less than 20 feet at the intersection of Cedar Road.
7. Section 146-33.D - To permit the use of high density polyethylene pipe (HDPE) in lieu reinforced concrete pipe (RCCP) for the storm water system.
8. Section 146-43.C3(a) - To permit grading and slopes of 3:1.

ON THE \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. 20\_\_\_\_, BEFORE ME THE SUBSCRIBER, A NOTARY PUBLIC OF THE COMMONWEALTH OF PENNSYLVANIA, RESIDING IN \_\_\_\_\_, PERSONALLY APPEARED \_\_\_\_\_

KNOWN TO ME (OR SATISFACTORILY PROVEN) TO BE THE PERSON(S) WHOSE NAME(S) (IS/ARE) SUBSCRIBED TO THE FOREGOING PLAN, AND ACKNOWLEDGED THAT (HE, SHE, THEY) (IS/ARE) THE OWNER (S) OF THE DESIGNATED LAND, THAT ALL NECESSARY APPROVAL OF THE PLAN HAS BEEN OBTAINED AND IS ENDORSED THEREON, AND THAT (HE, SHE, THEY) DESIRE THAT THE FOREGOING PLAN MAY BE DULY RECORDED.

OWNER \_\_\_\_\_ NOTARY PUBLIC \_\_\_\_\_  
OWNER \_\_\_\_\_ MY COMMISSION EXPIRES \_\_\_\_\_

(SEAL)

APPROVED BY THE BOARD OF COMMISSIONERS OF THE TOWNSHIP OF ABINGTON THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_.

ATTEST \_\_\_\_\_ PRESIDENT  
\_\_\_\_\_ SECRETARY  
\_\_\_\_\_ ENGINEER

CERTIFIED BY THE MONTGOMERY COUNTY PLANNING COMMISSION THIS DAY OF \_\_\_\_\_, 20\_\_\_\_.

FILE # \_\_\_\_\_  
ATTEST \_\_\_\_\_ SECRETARY

RECORDED IN THE OFFICE FOR THE RECORDING OF DEEDS, ETC. AT NORRISTOWN, PA, IN PLAN BOOK \_\_\_\_\_, PAGE NO. \_\_\_\_\_, ON \_\_\_\_\_, BY \_\_\_\_\_

MPC No. \_\_\_\_\_  
PROCESSED AND REVIEWED: A report has been prepared by the Montgomery County Planning Commission in accordance with the Municipalities Planning Code.  
Certified this date \_\_\_\_\_  
For the Director  
Montgomery County Planning Commission

#### SHEET INDEX

1. PRELIMINARY PLAN-not to be recorded
2. EXISTING FEATURES PLAN
3. AERIAL PLAN
4. EROSION & SEDIMENT CONTROL PLAN
5. EROSION & SEDIMENT CONTROL DETAILS PLAN
6. POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
7. POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS PLAN
8. PLAN & PROFILE - INDEPENDENCE CIRCLE
9. PLAN & PROFILE - SANITARY SEWER EASEMENT
10. PENNDOT DETAILS
11. LANDSCAPE & LIGHTING PLAN
12. GRADING & UTILITY PLAN
13. STORMTECH SYSTEM DETAILS
14. SANITARY SEWER DETAILS

SHEET 1 of 14

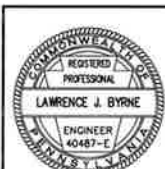
STOP-CALL BEFORE YOU DIG!



PENNSYLVANIA ONE CALL SYSTEM, INC.  
SERIAL No.20171532707 CONTACTED 6-2-2017

#### ACT 187 USERS LIST FOR ABINGTON

USER	ADDRESS	TELEPHONE
1.TOWNSHIP OF ABINGTON	1176 OLD YORK RD. ABINGTON, PA 19001	215-884-5000
2.AQUA PENNSYLVANIA, INC.	762 LANCASTER AVE. BRYN MAWR, PA 19010	1-800-711-4779
3.BELL TELEPHONE CO. OF PA.	104 WITMER RD. HORSHAM, PA 19044	215-958-2623
4.PHILADELPHIA ELECTRIC Co.	400 PARK AVE. WARMINSTER PA 18974	OUTSIDE PA. 412-323-7100 IN PA. 800-242-1776
5.PENNA. DEPT. OF TRANSPORTATION	EAST NORRITON TWP, P.O. BOX 350 NORRISTOWN, PA	1-215-275-2368



LAWRENCE J. BYRNE  
PROFESSIONAL ENGINEER  
LICENSE NO. 40487-E



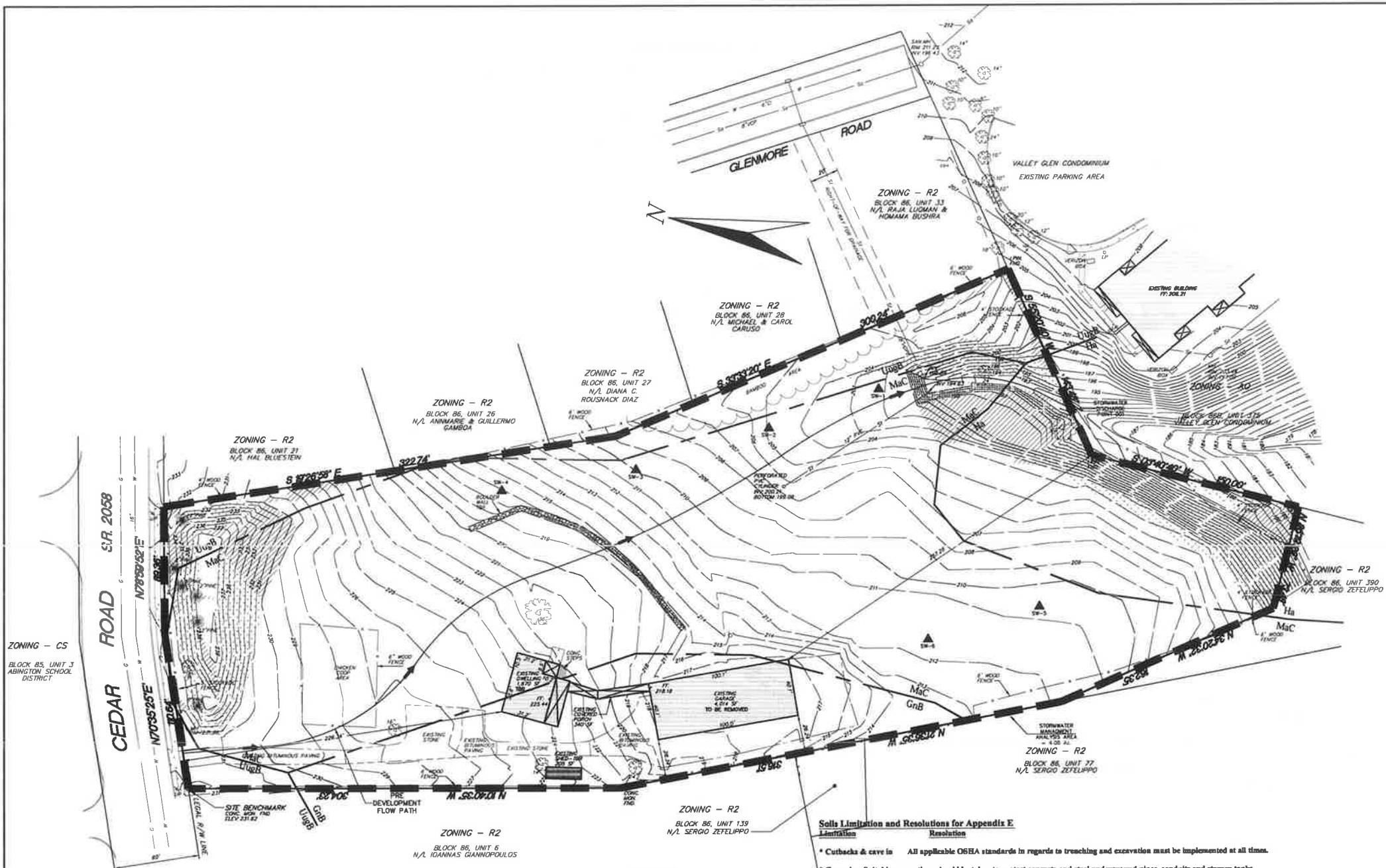
EDMUND A. CHADROW, III  
PROFESSIONAL LAND SURVEYOR  
LICENSE NO. 75128

PRELIMINARY PLAN OF SUBDIVISION-not to be recorded  
365 CEDAR ROAD  
ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA  
MADE FOR  
**PAUL YANNESSAS**

SCALE: 1"=40' 0 40 80 120 22 NOVEMBER 2021

**EASTERN/CHADROW ASSOCIATES, INC.**  
333 E. STREET ROAD \* WARMINSTER, PA 18974 \* (215) 672-8871 FAX (215) 672-8765  
EST. 1967





**Demolition Notes:**

1. The firm or engineer of record is not responsible for job site safety or supervision. Contractor is to proceed with the demolition in a systematic and safe manner, following all the OSHA requirements, to insure public and contractor safety.
2. All demolition activities are to be performed in accordance with these plans, specifications, and referenced documents as well as all federal, state and local regulations. Any discrepancies or deviations shall be identified by the contractor to the engineer in writing for resolution prior to initiation of activity.
3. Prior to starting any demolition contractor is responsible for:
  - A. Ensure copies of all permits and approvals are on site for review.
  - B. The required soil erosion and sediment control measures shall be in place prior to site disturbance.
  - C. All utilities and services, including but not limited to gas, water, electric, sanitary and storm sewer, telephone, cable, fiber optic cable, etc. Within the limits of disturbance, shall be vertically and horizontally located. The contractor shall use and comply with the requirements of the applicable utility notification system to locate all the underground utilities.
  - D. Protect and maintain in operation, all active systems that are not being removed during all demolition activities.
  - E. Familiarize themselves with the applicable utility service provider requirement and is responsible for all coordination regarding utility demolition as identified or required for project. The contractor shall provide the owner written notification that the existing utilities and services have been terminated and abandoned in accordance with jurisdiction and utility company requirements.
  - F. Coordination with utility companies regarding working "off-peak" hours or on weekends as may be required to minimize the impact on the affected parties.
  - G. A complete inspection for contaminants, by a licensed environmental testing agency, of all buildings and/or structures to be removed shall be done in accordance with all applicable local, state, and federal environmental regulations. All contaminants shall be removed and disposed of by a federally licensed contractor in accordance with federal, state, and local regulations. All environmental work including hazardous material soils, asbestos, or other referenced or implied herein is solely the responsibility of the owner's environmental consultant.
4. The contractor shall provide all the "means and methods" necessary to prevent movement, settlement, or collapse of existing structures, and any other improvements that are remaining on or off site.
5. Explosives shall not be used without prior written consent of both the owner and applicable governmental authorities. All the required permits and explosive control measures that are required by the federal, state, and local governments shall be in place prior to starting an explosive program. The contractor is also responsible for all inspection and seismic vibration testing that is required to monitor the effects on all local structures.
6. Contractor shall provide traffic control and generally accepted safe practices in conformance with: the "manual on uniform traffic control," as well as federal, state, and local regulations when demolition related activities impact roadways or roadway rights-of-way.
7. The contractor shall conduct demolition activities in such a manner to insure minimum interference with roads, streets, sidewalks, walkways, and other adjacent facilities. Street closure permits must be received from the appropriate governmental authority where required.
8. Use dust control measures to limit the amount of airborne dust and dirt rising and scattering in the air to within federal, state, and/or local standards. After the demolition is complete, adjacent structures and improvements shall be cleaned of all dust and debris caused by the demolition operations. The contractor is responsible for returning all adjacent areas to their "pre-demolition" condition.
9. The contractor is responsible to safeguard the site as necessary to perform the demolition in such a manner as to prevent the unauthorized entry of persons at any time.
10. This demolition plan is intended to identify those existing items/conditions which are to be removed. It is not intended to provide direction other than that all methods and means are to be in accordance with state, federal local and jurisdictional requirements. The contractor shall be responsible for all OSHA and other safety precautions necessary to provide a safe work site.
11. The demolition contractor is responsible for all repairs of damage to all items that are to remain as a result of his activities. All repairs shall use new material. The repairs shall remove the item to the pre-demolition condition.
12. Debris shall not be buried on the subject site. All excavated material and debris (solid waste) shall be disposed of in accordance with all town, county, state, and federal laws and applicable codes. The contractor shall properly remove and dispose of hazardous/unsuitable material off-site in accordance with all applicable codes, ordinances, and laws.
13. Demolition of existing structures and foundations should include full removal of all remnant utilities, footings, foundation walls and slabs. Remnant foundations and slabs may remain in place two feet below pavement subgrade and landscaped areas, provided they are adequately broken to promote positive drainage and that they will not interfere with future construction.
14. All areas of building demolition and pavement removal which shall be converted to lawn areas shall be provided with a minimum of 6 inches of topsoil set at the proposed final grades.

**Soils Limitation and Resolutions for Appendix E**

- | Limitation  | Resolution   |
|---|--|
| * Cutbacks & cave in  | All applicable OSHA standards in regards to trenching and excavation must be implemented at all times.   |
| * Corrosive   | Suitable precautions should be taken to protect concrete and steel underground pipes, conduits and storage tanks. Utilize PVC or HDPE pipe as applicable.  |
| Droughty  | Provide soil amendments such as compost or organic material.   |
| * Easily erodible   | Stabilize immediately with suitable protection such as erosion control blankets, hydroseeding, sod etc.  |
| * Flooding  | No work or earth disturbance in flooded soils without proper dewatering.   |
| * Seasonal High Water   | Dewater excavated areas and trenches by pumping through filter bag or sediment trap. If possible drain by gravity under drains to stabilized areas or sediment traps.  |
| * Hydric soils  | Remove and replace with suitable material as needed.   |
| * Low Strength/Landslide  | All applicable OSHA standards in regards to slope construction must be implemented at all times. Minimize slope steepness. Remove and replace with suitable material as needed.  |
| * Slow Percolation  | Dewater excavated areas and trenches by pumping through filter bag or sediment trap. If possible drain by gravity under drains to stabilized areas or sediment traps. Provide applicable soils testing prior to design of BMP's. Utilize amended soils. Remove and replace with suitable material as needed. |
| * Piping  | Utilize water tight pipes and appropriately designed materials and construction techniques.  |
| * Poor Topsoil  | Perform soils testing and supplement the soils as recommended with organic material, Lime and fertilizer.  |
| * Frost Action  | Precautions are needed to prevent damage, especially to roadways. Suitable design shall be utilized.   |
| Shrink-Swell  | Remove and replace with suitable material as needed.   |
| Potential Sinkhole  | Applicable to carbonate areas. Perform site specific investigation to determine if sink holes and carbonate features are present. Remediate as necessary based on site specific recommendation.  |
| Ponding   | No work or earth disturbance in flooded or ponding soils without proper dewatering.  |
| * Wetness   | No work or earth disturbance in flooded or ponding soils without proper dewatering. Allow wet soils to dry out as needed.  |
| * Limitations for Glenalee silt loam, Hathors silt loam, Manor silt loam and Urban land - Underthearts. |  |

The onsite Soils are classified as:  
GnB - Glenalee Silt Loam, 3% to 8% slopes - HSG "B"  
Ha - Hathors Silt Loam - HSG "B/D"  
Mac - Manor Silt Loam, 8% to 15% slopes - HSG "B"  
UugB - Urban Land - Underthearts, schist and gneiss complex, 0% to 8% slopes - HSG "C"  
UugD - Urban Land - Underthearts, schist and gneiss complex, 8% to 25% slopes - HSG "C"



PENNSYLVANIA ONE CALL SYSTEM, INC.  
SERIAL No. 20171532707 CONTACTED 6-2-2017

**ACT 187 USERS LIST** FOR ABBINGTON

USER	ADDRESS	TELEPHONE
1. TOWNSHIP OF ABBINGTON	1175 OLD YORK RD. ABBINGTON, PA 19001	215-884-5000
2. AQUA PENNSYLVANIA, INC.	782 LANCASTER AVE. BRYN MAWR, PA. 19010	1-800-711-4779
3. BELL TELEPHONE CO. of PA.	104 WINTER RD. HORSHAM, PA. 19044	215-856-2623
4. PHILADELPHIA ELECTRIC CO.	400 PARK AVE. WARMINSTER PA. 18974	OUTSIDE PA. 412-323-7100 IN PA. 800-242-1776
5. PENNA. DEPT. OF TRANSPORTATION	EAST NORRITON TWP., P.O. BOX 330 NORRISTOWN, PA.	1-215-275-2368

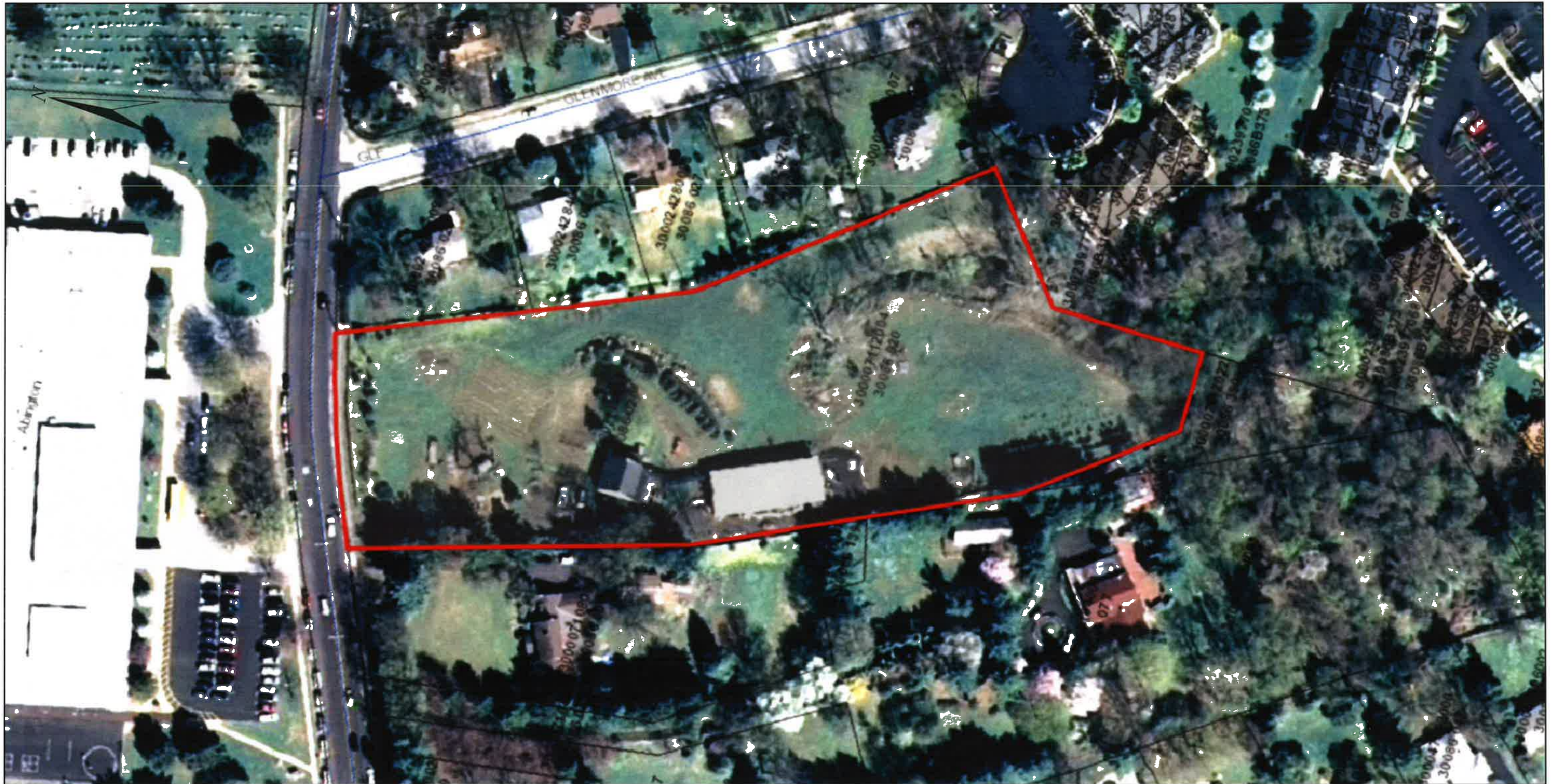
SHEET 2 of 14

**EASTERN/CHADROW ASSOCIATES, INC.**  
333 E STREET ROAD • WARMINSTER, PA. 18974 • (215) 672-6671 FAX (215) 672-6765  
EST. 1967

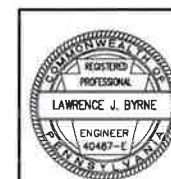
**EXISTING FEATURES & DEMOLITION PLAN**  
365 CEDAR ROAD  
ABBINGTON TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA  
MADE FOR  
**PAUL YANNESSA**

SCALE: 1"=40' 0 40 80 120 22 NOVEMBER 2021

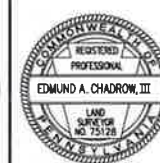




SHEET 3 of 14



LAWRENCE J. BYRNE  
PROFESSIONAL ENGINEER  
LICENSE NO. 40487-E



EDMUND A. CHADROW, III  
PROFESSIONAL LAND SURVEYOR  
LICENSE NO. 75128

AERIAL PLAN  
365 CEDAR ROAD  
ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA  
MADE FOR  
**PAUL YANNESSA**  
SCALE: 1"=40' 0 40 80 120 22 NOVEMBER 2021  
**EASTERN/CHADROW ASSOCIATES, INC.**  
333 E. STREET ROAD • WARMINSTER, PA 18974 • (215) 672-8871 FAX (215) 672-8765  
EST. 1962





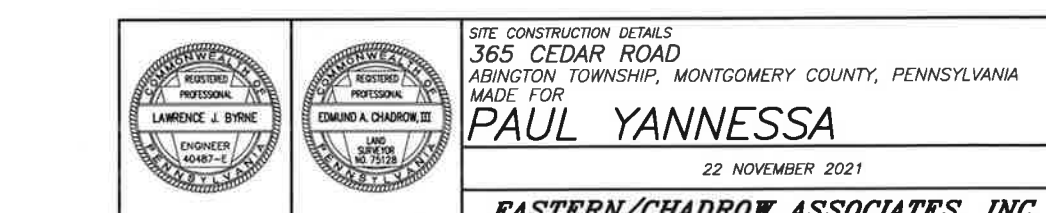
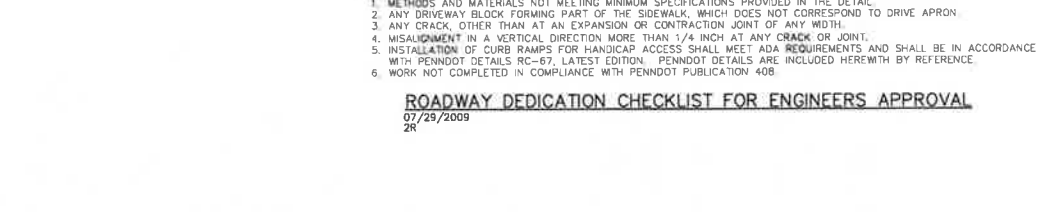
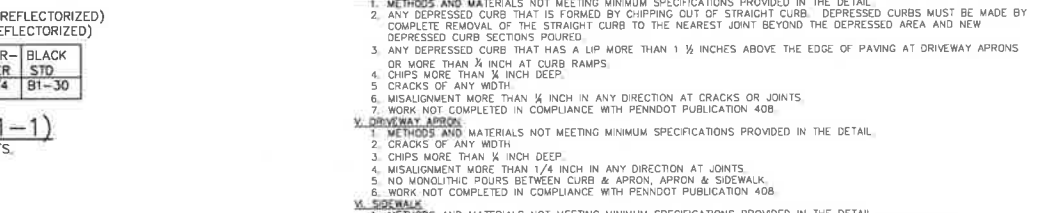
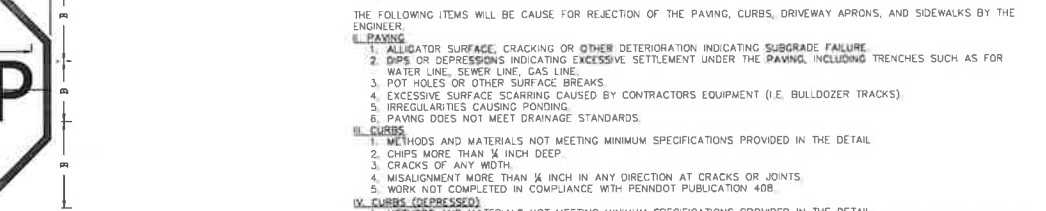
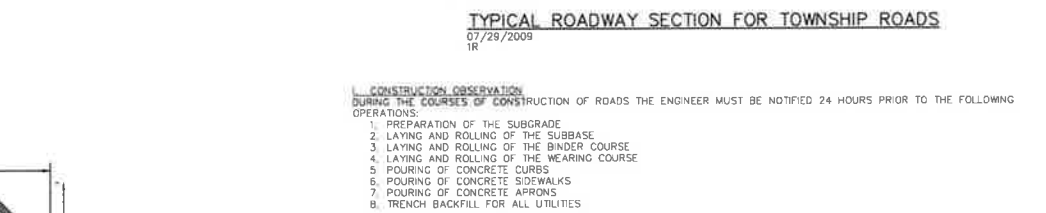
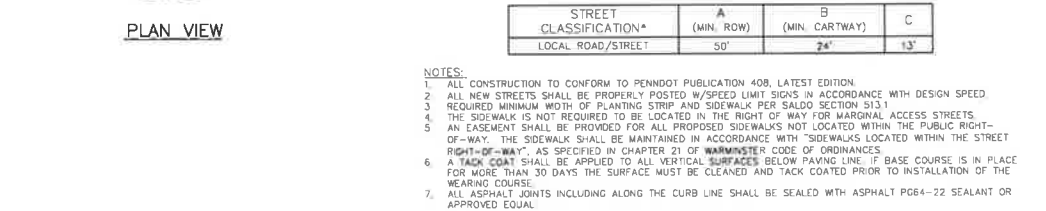
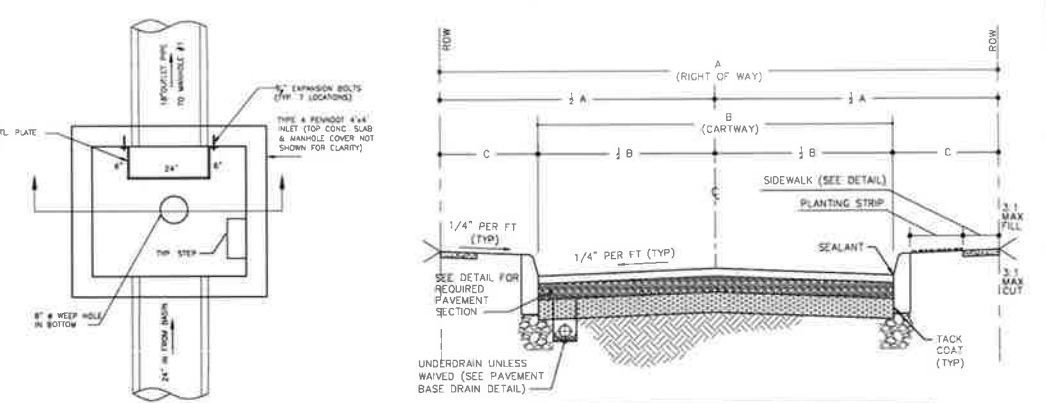
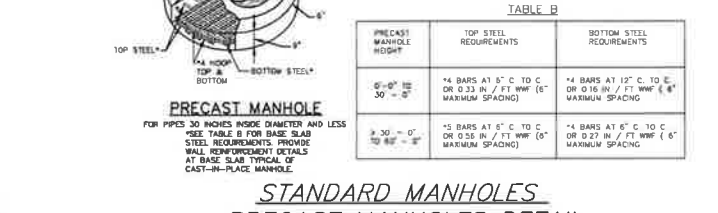
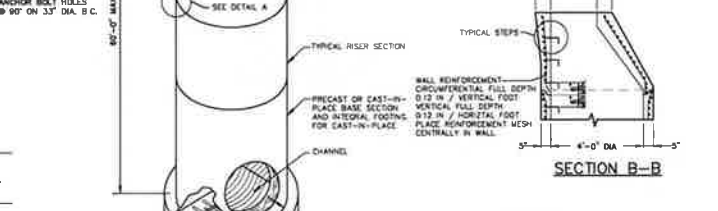
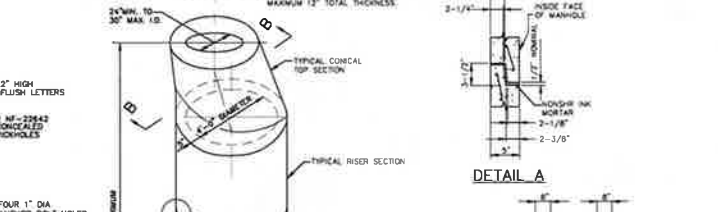
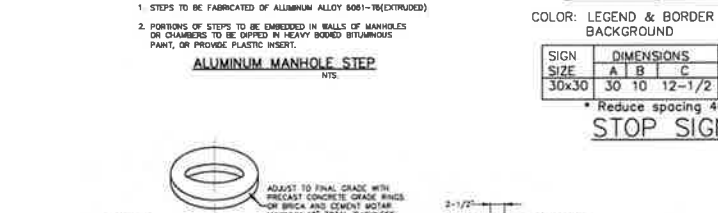
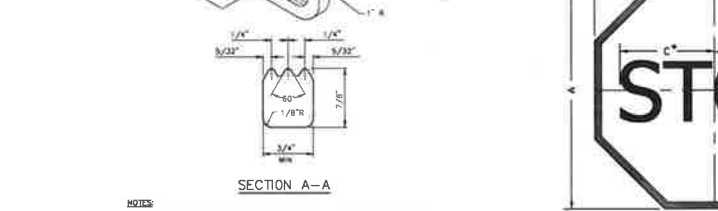
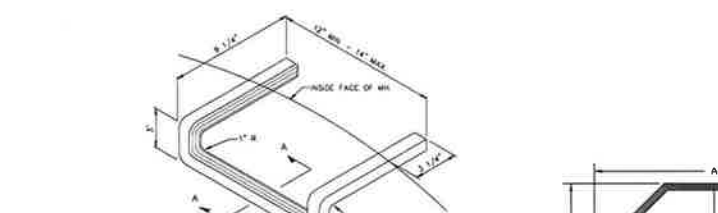
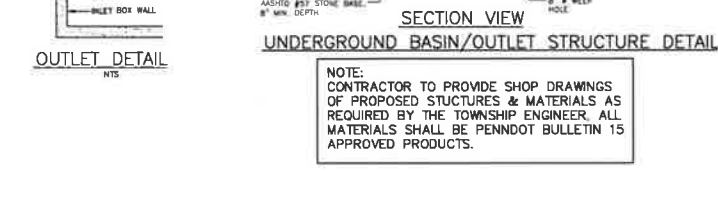
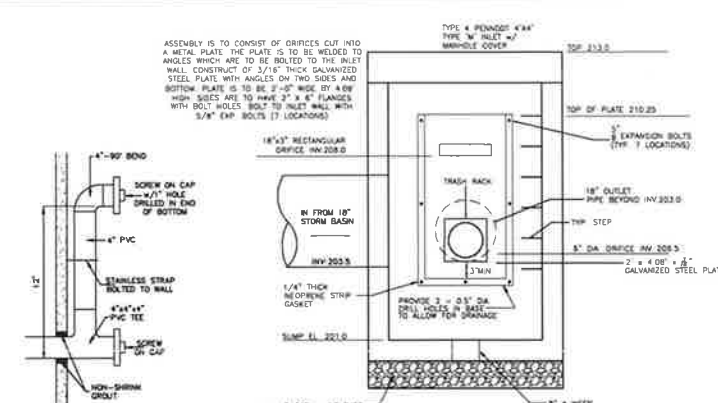
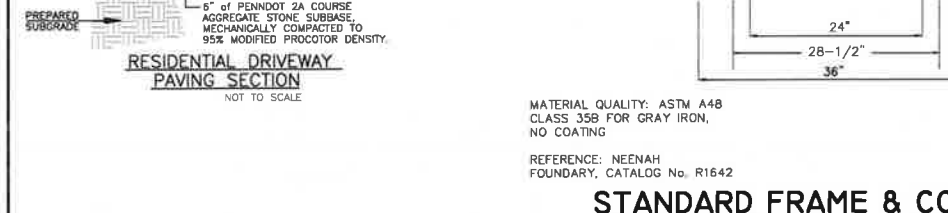
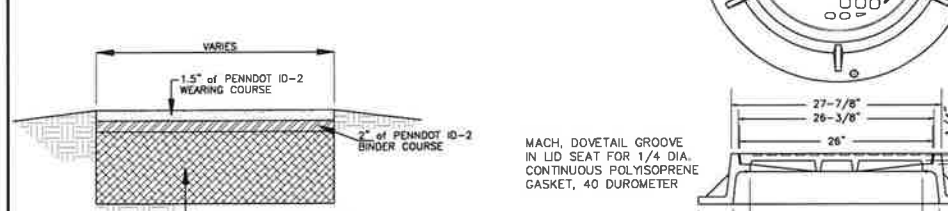
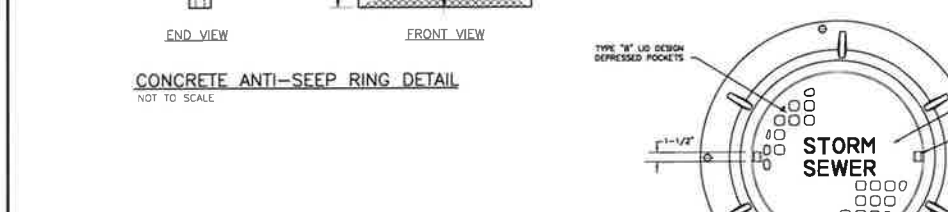
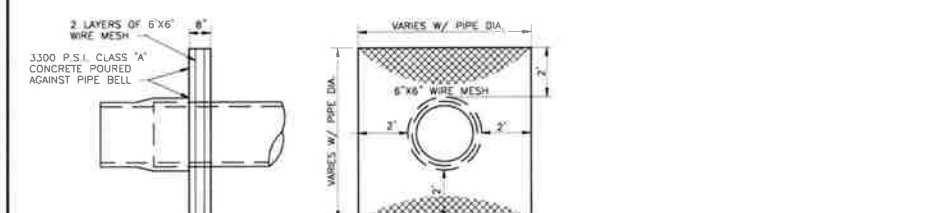
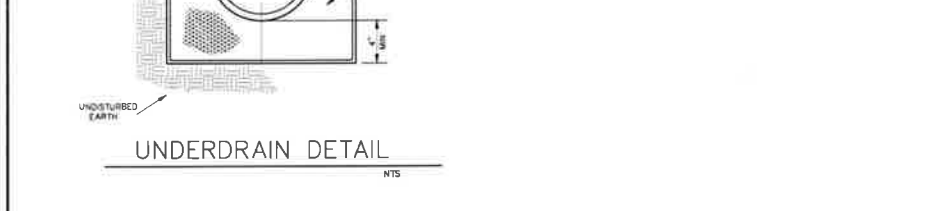
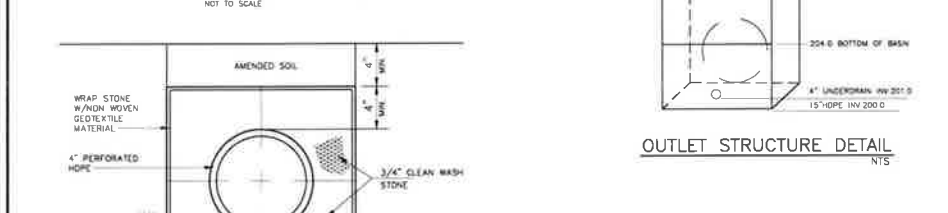
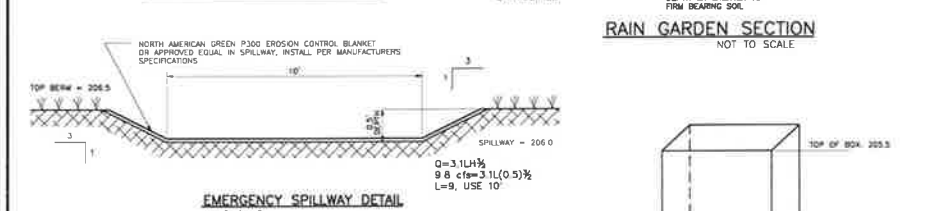
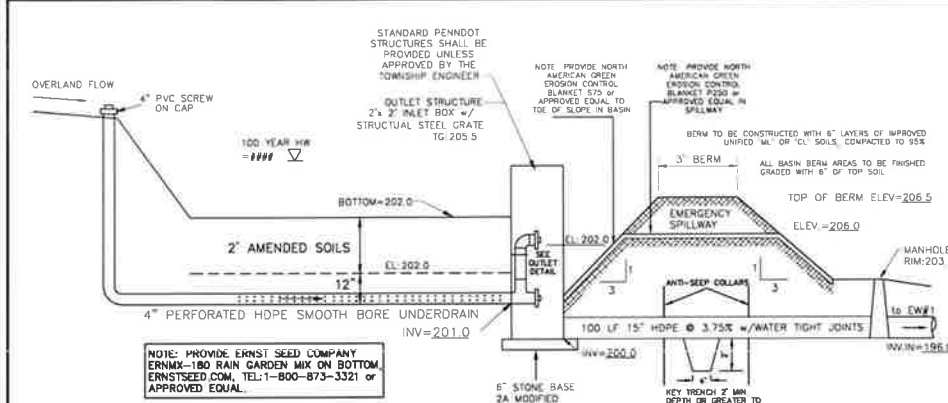










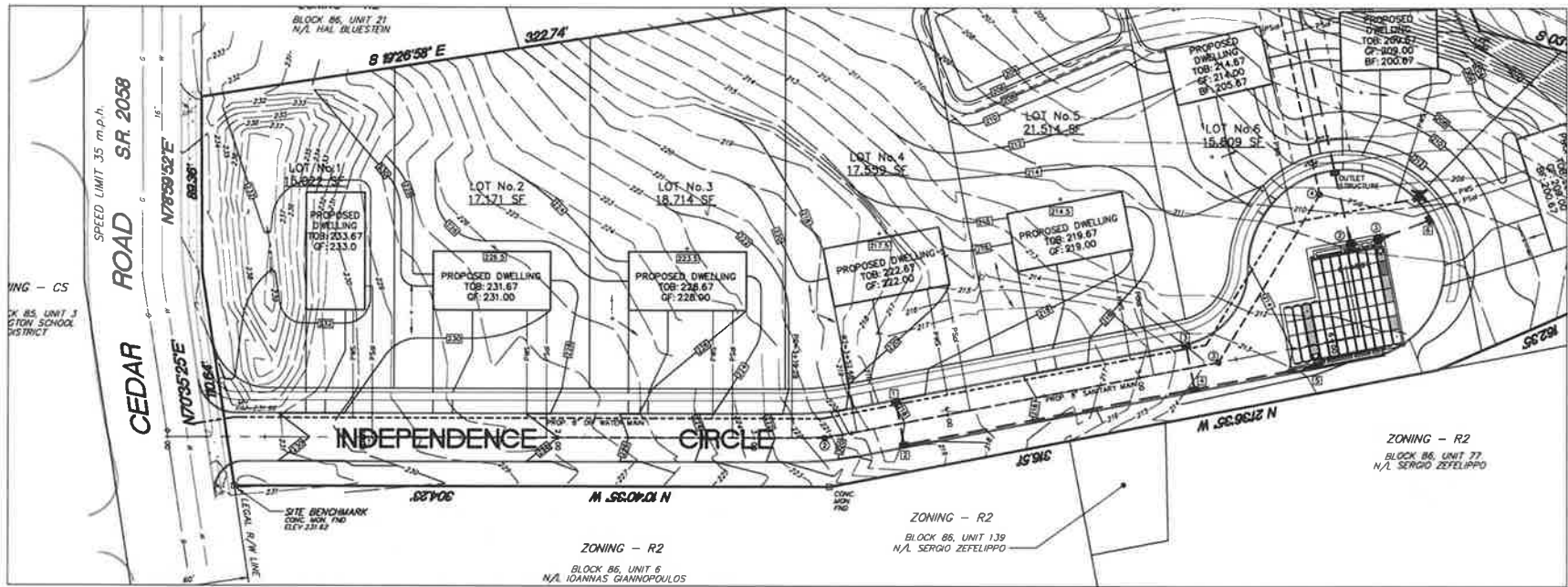
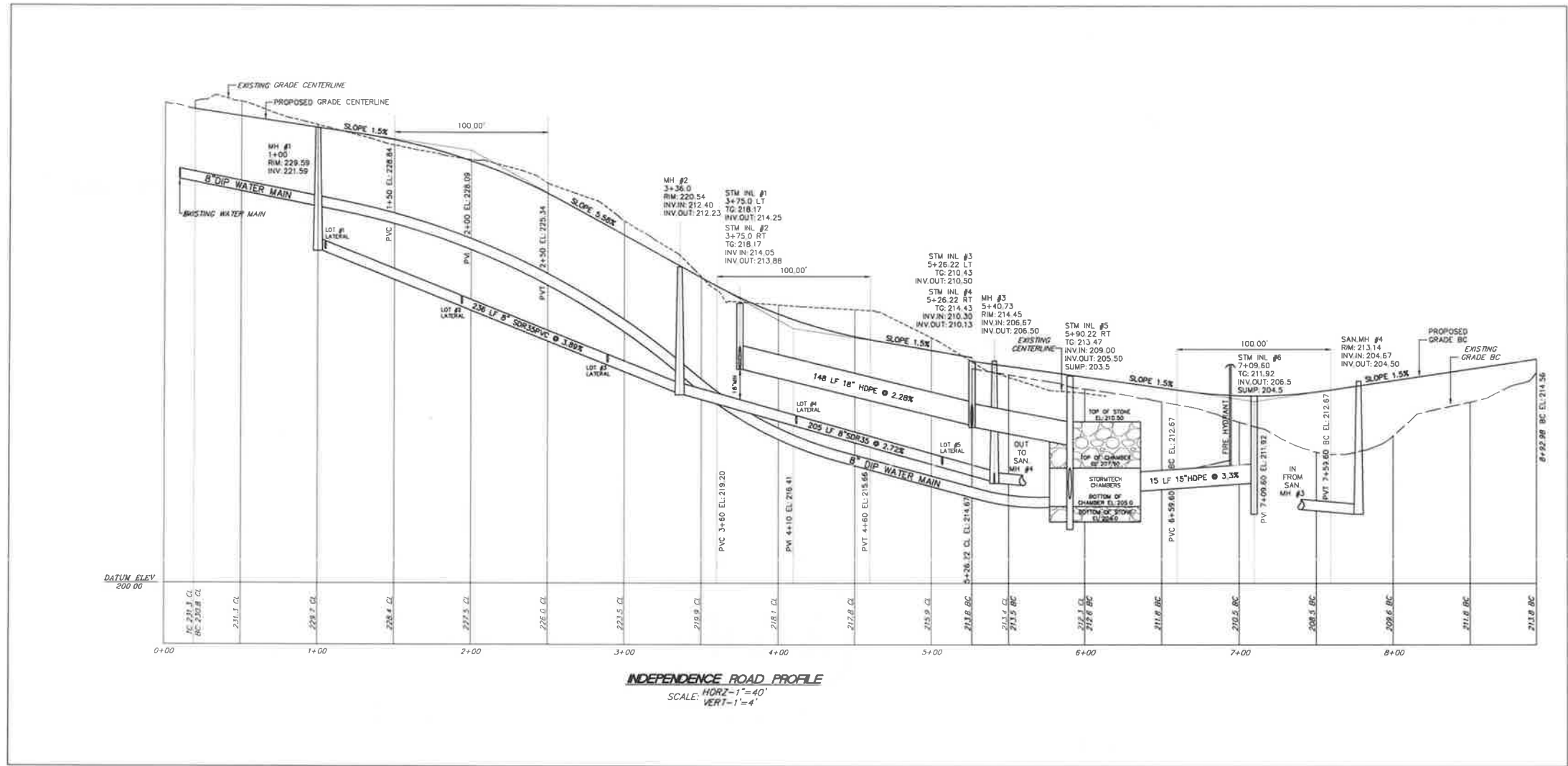


SHEET 7 of 14

LAWRENCE J. BYRNE  
REGISTERED PROFESSIONAL ENGINEER  
40487-E

EDMUND A. CHADROW, III  
REGISTERED PROFESSIONAL ENGINEER  
75128

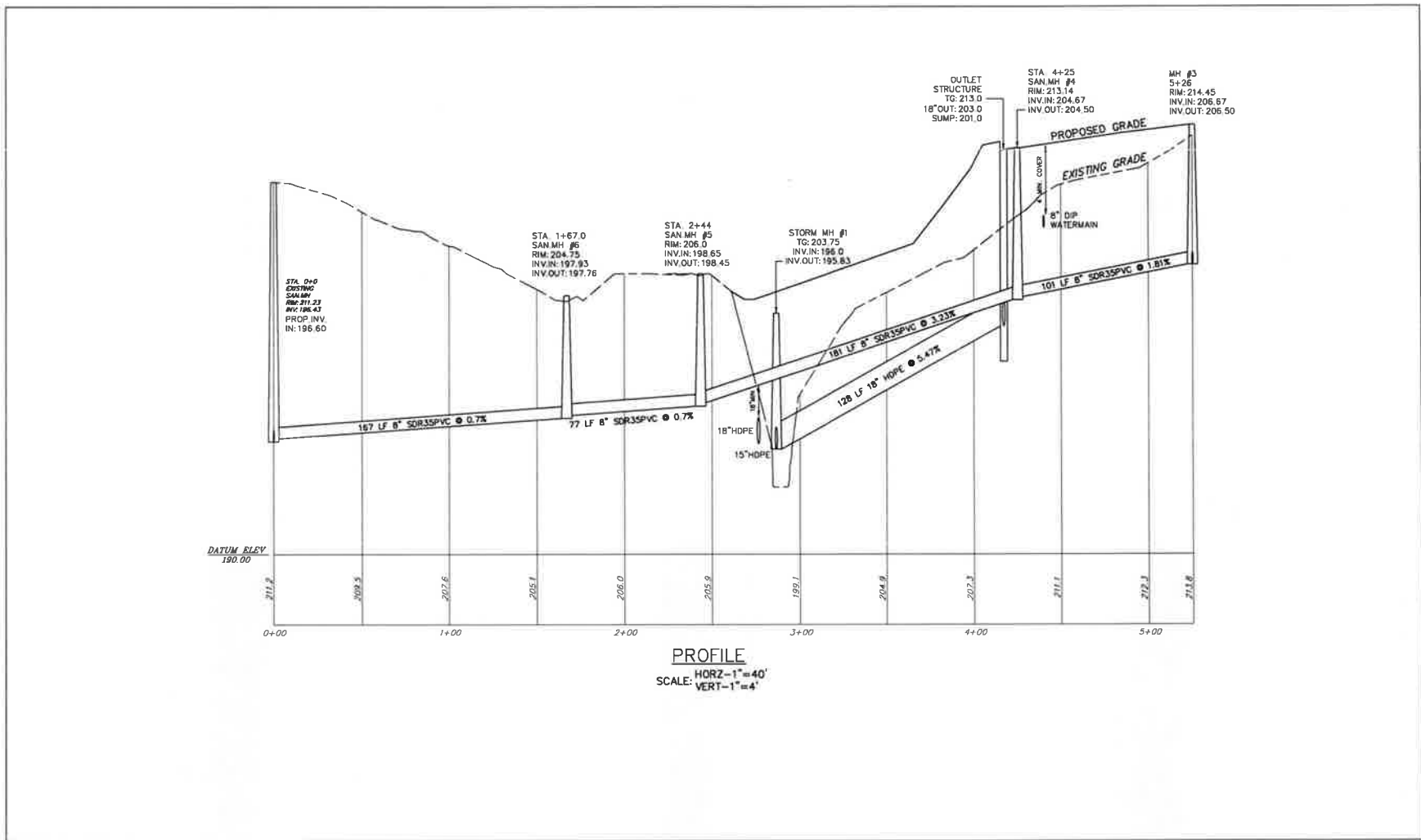
**SITE CONSTRUCTION DETAILS**  
**365 CEDAR ROAD**  
 ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA  
 MADE FOR  
**PAUL YANNESSA**  
 22 NOVEMBER 2021  
**EASTERN/CHADROW ASSOCIATES, INC.**  
 333 E. STREET ROAD • WARMINSTER, PA 18974 • (215) 672-8671 FAX (215) 672-8765  
 EST. 1987



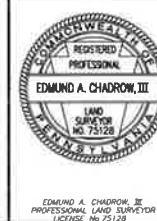
SHEET 8 of 14

<p>LAWRENCE J. BYRNE        REGISTERED PROFESSIONAL ENGINEER        LICENSE NO. 40487-E</p>	<p>EDMUND A. CHADROW, III        REGISTERED PROFESSIONAL LAND SURVEYOR        LICENSE NO. 75128</p>	<p>PLAN &amp; PROFILE - INDEPENDENCE CIRCLE          365 CEDAR ROAD          ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA          MADE FOR  <b>PAUL YANNESSA</b>          SCALE: 1"=40' 22 NOVEMBER 2021  <b>EASTERN/CHADROW ASSOCIATES, INC.</b>          333 E. STREET ROAD • WARMINSTER, PA 18974 • (215) 672-8671 FAX (215) 672-6765          EST. 1967</p>
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LAWRENCE J. BYRNE  
PROFESSIONAL ENGINEER  
LICENSE NO. 40487



PLAN & PROFILE - SANITARY SEWER EASEMENT  
365 CEDAR ROAD  
ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA  
MADE FOR  
**PAUL YANNESSA**

SCALE: 1"=40'  22 NOVEMBER 2021

***EASTERN/CHADROW ASSOCIATES, INC.***  
333 E. STREET ROAD • WARMINSTER, PA. 16974 • (215) 672-8671 FAX (215) 672-6765

# PATA 101 (Old PATA 5) - Notes

1. The advance warning and traffic control devices are not required if the work space is outside the highway right-of-way, behind a barrier, more than 25' beyond the curb, or 15' or more from the edge of the roadway.
2. For operations of 15 minutes or less, all traffic control devices may be illuminated if a shadow vehicle is present.
3. For divided highways and one-way highways where it is physically possible, advance warning signs should also be placed on the left hand side of the roadway.
4. When a shadow vehicle is not used, distance A is measured from the Road Work (W20-1) sign location to beginning of work zone.

Signs



W20-1

Sign Spacing Chart				Distance and Spacing Quick Reference Chart											
Condition	Distance			Speed	W	L	1/2L	1/3L	1/4L	Per Taper Type (Length)	D	E	F		
	A	B	C												
Urban or less	100	100	100	25	15	15	15	15	15	6	6	6	50	155	150
(Less 35 MPH)	300	300	300	30	15	15	15	15	15	6	6	6	80	200	150
Rural	500	500	500	35	15	15	15	15	15	6	6	6	70	150	150
Multiple distance plaques are used on advance warning signs, they shall all be of the same series type. Example: either all "AHEAD" or XXX FEET.	40	11	225	150	40	11	225	150	110	110	6	6	80	305	150
	45	11	240	150	45	11	240	150	110	110	6	6	90	360	150
	50	11	255	150	50	11	255	150	110	110	6	6	100	420	230
	55	11	270	150	55	11	270	150	110	110	6	6	110	495	250
	60	11	285	150	60	11	285	150	110	110	6	6	120	570	270
Formula	L = WS <sup>2</sup>			Notes: Change-point devices used in taper shall be equally spaced at 1/4 D Max.											
or time	L = WS														
or for more	L = WS														
Regulatory Speed Limit W = Width of Offset L = Length															

# PATA 106 (Old PATA 9c) - Notes

1. Each 30' taper in closed lane to be shown. Continue tapering and spacing as needed on the approach to the work zone.
2. Each flagger shall be clearly visible to traffic for a minimum distance of 6' and shall be in constant communication with all other flaggers.
3. The buffer space shall be extended so that the two-way traffic taper is placed before a horizontal curve or a vertical curve to provide adequate sight distance for the flagger and a clear of sighted vehicles.
4. When a shadow vehicle is not used, distance A is measured from end of taper to beginning of work zone.

Signs



W20-1 W20-4 W20-2

Condition	Distance			Speed	W	L	1/2L	1/3L	1/4L	Per Taper Type (Length)	D	E	F
	Feet	Feet	Feet										
Urban 35 MPH or less	100	100	100	25	15	15	15	15	15	6	6	6	50
Urban Greater than 35 MPH	300	300	300	30	15	15	15	15	15	6	6	6	80
Rural	500	500	500	35	15	15	15	15	15	6	6	6	70
40	11	225	150	40	11	225	150	110	110	6	6	6	80
45	11	240	150	45	11	240	150	110	110	6	6	6	90
50	11	255	150	50	11	255	150	110	110	6	6	6	100
55	11	270	150	55	11	270	150	110	110	6	6	6	110

Notes: 1. Minimum clearance between any object and the nearest tapering sign shall be 10 feet. 2. For taper length formulas, use the following values: S = Regulatory Speed Limit, W = Width of Offset, L = Length.

**Taper Length Formulas**

S	L
40 MPH or less	$L = WS^2$
45 MPH or more	$L = WS$

S = Regulatory Speed Limit  
W = Width of Offset  
L = Length

# PATA 201 (Old PATA 24) - Notes

1. Traffic control devices are not required if the work space is outside the highway right-of-way, behind a barrier, or more than 25' beyond the curb, or 15' or more from the edge of the roadway.
2. For divided highways and one-way highways where it is physically possible, advance warning signs should also be placed on the left hand side of the roadway.
3. When a shadow vehicle is not used, distance A is measured from sign to beginning of work space.

Signs



W20-1 W20-2

Sign Spacing Chart						Distance and Spacing Quick Reference Chart											
Condition	Distance					Speed W	L	1/2L	1/3L	1/4L	Min. Channelling Device Per Taper Type (Length)	D	E	F	H		
	Feet	Feet	Feet	Feet	Feet												
Urban 35 MPH or less	100	100	100	100	100	25	15	15	15	15	6	6	6	50	155	150	
Urban Greater than 35 MPH	300	300	300	300	300	30	15	15	15	15	6	6	6	80	200	150	
Rural	500	500	500	500	500	35	15	15	15	15	6	6	6	70	150	150	
40 MPH or less	11	225	150	110	110	40	11	225	150	110	6	6	6	80	305	150	
45 MPH or less	11	240	150	110	110	45	11	240	150	110	6	6	6	90	360	150	
50 MPH or less	11	255	150	110	110	50	11	255	150	110	6	6	6	100	420	230	
55 MPH or less	11	270	150	110	110	55	11	270	150	110	6	6	6	110	495	250	

Which minimum distance placards are used on advance warning signs, they shall all be of the same series type.  
Examples: either "AHEAD" or "XXX FEET."

**Taper Length Formulas**

S	L
40 MPH or less	L = WS <sup>2</sup>
45 MPH or more	L = WS

S = Regulatory Speed Limit  
W = Width of Offset  
L = Length

Note: Channelling Device used in Taper will be equally spaced at 1/4 D Max.

# PATA 107 (Old PATA 10a) - Notes

1. Each flagger shall be clearly visible to traffic for a minimum distance of 6' and shall be in constant communication with all other flaggers.
2. For operations of 15 minutes or less, all traffic control devices may be illuminated if a shadow vehicle is present.
3. The buffer space shall be extended so that the two-way traffic taper is placed before a horizontal curve or a vertical curve to provide adequate sight distance for the flagger and a clear of sighted vehicles.
4. When a shadow vehicle is not used, distance A is measured from end of taper to beginning of work space.

Signs



W20-1 W20-4 W20-2

Condition	Distance			Speed	W	L	1/2L	1/3L	1/4L	Per Taper Type (Length)	D	E	F		
	Feet	Feet	Feet												
Urban 35 MPH or less	100	100	100	25	15	15	15	15	15	6	6	6	50	155	150
Urban Greater than 35 MPH	300	300	300	30	15	15	15	15	15	6	6	6	80	200	150
Rural	500	500	500	35	15	15	15	15	15	6	6	6	70	150	150
40	11	225	150	40	11	225	150	110	110	6	6	6	80	305	150
45	11	240	150	45	11	240	150	110	110	6	6	6	90	360	150
50	11	255	150	50	11	255	150	110	110	6	6	6	100	420	230
55	11	270	150	55	11	270	150	110	110	6	6	6	110	495	250

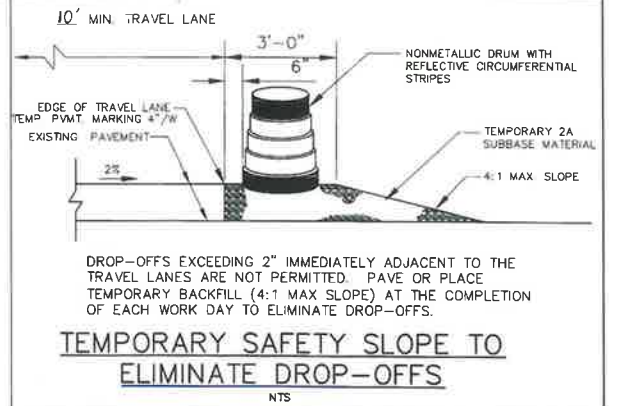
\* Urban: Minimum 100 ft. to 300 ft. distance for speed.  
 \* Urban: Use the maximum 300 ft. for 35 mph or less.  
 \* Urban: 300 ft. for 35 mph or less. \* Rural: 500 ft. for 35 mph or less. \* Rural: 500 ft. for 35 mph or less.

**Taper Length Formulas**

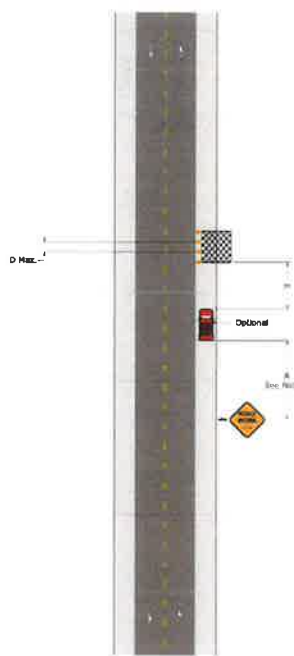
S	L
40 MPH or less	$L = WS^2$
45 MPH or more	$L = WS$

S = Regulatory Speed Limit  
 W = Width of Offset  
 L = Length of Taper

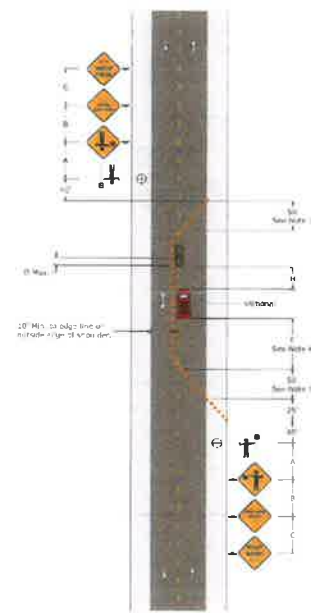
\* Urban: Minimum 100 ft. to 300 ft. distance for speed.  
 \* Urban: Use the maximum 300 ft. for 35 mph or less.  
 \* Urban: 300 ft. for 35 mph or less. \* Rural: 500 ft. for 35 mph or less. \* Rural: 500 ft. for 35 mph or less.



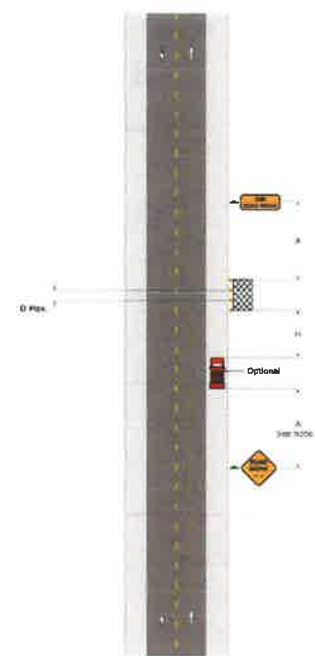
# PATA 101 (Old PATA 5) Work Space On Or Beyond The Shoulder (No Roadway Encroachment)



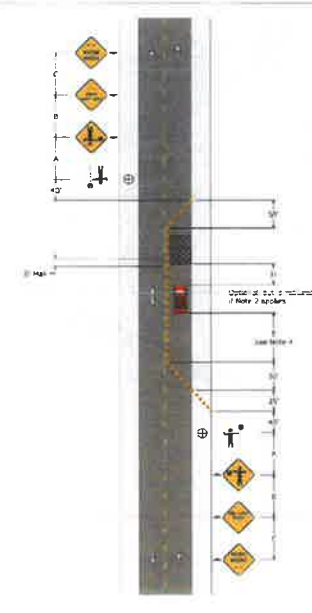
# PATA 106 (Old PATA 9c) Work Along Roadway Centerline



# PATA 201 (Old PATA 24) Work Space Beyond Shoulder



# PATA 107 (Old PATA 10a) Work In One Lane: Two Flaggers



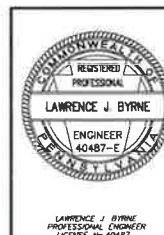
## PennDOT Notes

1. Any landscaping planted within the clear sight triangle of each driveway cannot obstruct the required continuous sight distance.
2. All sight distance obstructions (including but not limited to embankments and vegetation) shall be removed by the permittee to provide a minimum of 538 feet of continuous sight distance to the left and 460 feet of continuous sight distance to the right for a driver exiting the proposed driveway onto the state highway. The driver must be considered to be positioned 10 feet from the near edge of the closest highway through travel lane (from the curb line if curbing is present) at an eye height of three feet-six inches (3-6) above the pavement surface. The point sighted by the exiting driver shall be three feet-six inches (3-6) above the pavement surface located in the center of the closest highway travel lane designated for use by approaching traffic. This sight distance shall be maintained by the permittee.
3. Pavement markings within the legal right of way of the state road must be hot thermoplastic.
4. All trench operations within the legal right of way of the state highway must be conducted in accordance with OSHA's excavation standard 29CFR part 1926, subpart P.
5. Maintenance and Protection of Traffic during construction shall be in accordance with applicable figures PATA 101, 124 and 201 in PennDOT Publication 213, Work Zone Traffic Control Guidelines, amended June, 2014, and Title 67 PA Code, Chapter 212, Official Traffic Control Devices, dated March, 2008 or most current.
6. No traffic restrictions or lane closures are permitted between the hours of 6:00 AM to 9:00 AM and 3:00 PM to 6:00 PM, Monday through Friday and legal holidays.
7. The contractor must notify the District 6-0 Traffic Management Center (TMC) two (2) days in advance of any proposed lane or shoulder restrictions or road closures, and fifteen (15) minutes prior to the start of work. The contractor must notify the TMC when the road is restored to normal operation. The TMC phone number is (610) 205-6934.

8. The contractor shall limit disruption to pedestrian facilities during the proposed construction and shall provide alternative pedestrian routes when extended disruption to the pedestrian facilities cannot be avoided.
9. Access to all driveways must be maintained at all times.
10. Property boundary information and legal right of way was determined from field survey by Eastern/Chadrow Associates, Inc. utilizing various plans of record and deeds.
11. The following PennDOT Publication 72M latest edition Standards for Roadway Construction details are applicable to this project, RC-64M, RC-67M & RC-39. Copies of applicable RC Standards shall be provided to the Contractor.
12. No unsuitable material is to be used in any portion of the roadway construction. Remove any subgrade that cannot be properly compacted and that is unsuitable material. Undercutting and/or subgrade stabilization may be required.
13. Saw line locations may be adjusted in the field as deemed necessary by a PENNDOT representative.
14. All work performed within the State Legal Right-of-Way must be in accordance with PENNDOT publication 72M, Standards for Roadway Construction, RC-0M to 100M, As amended.

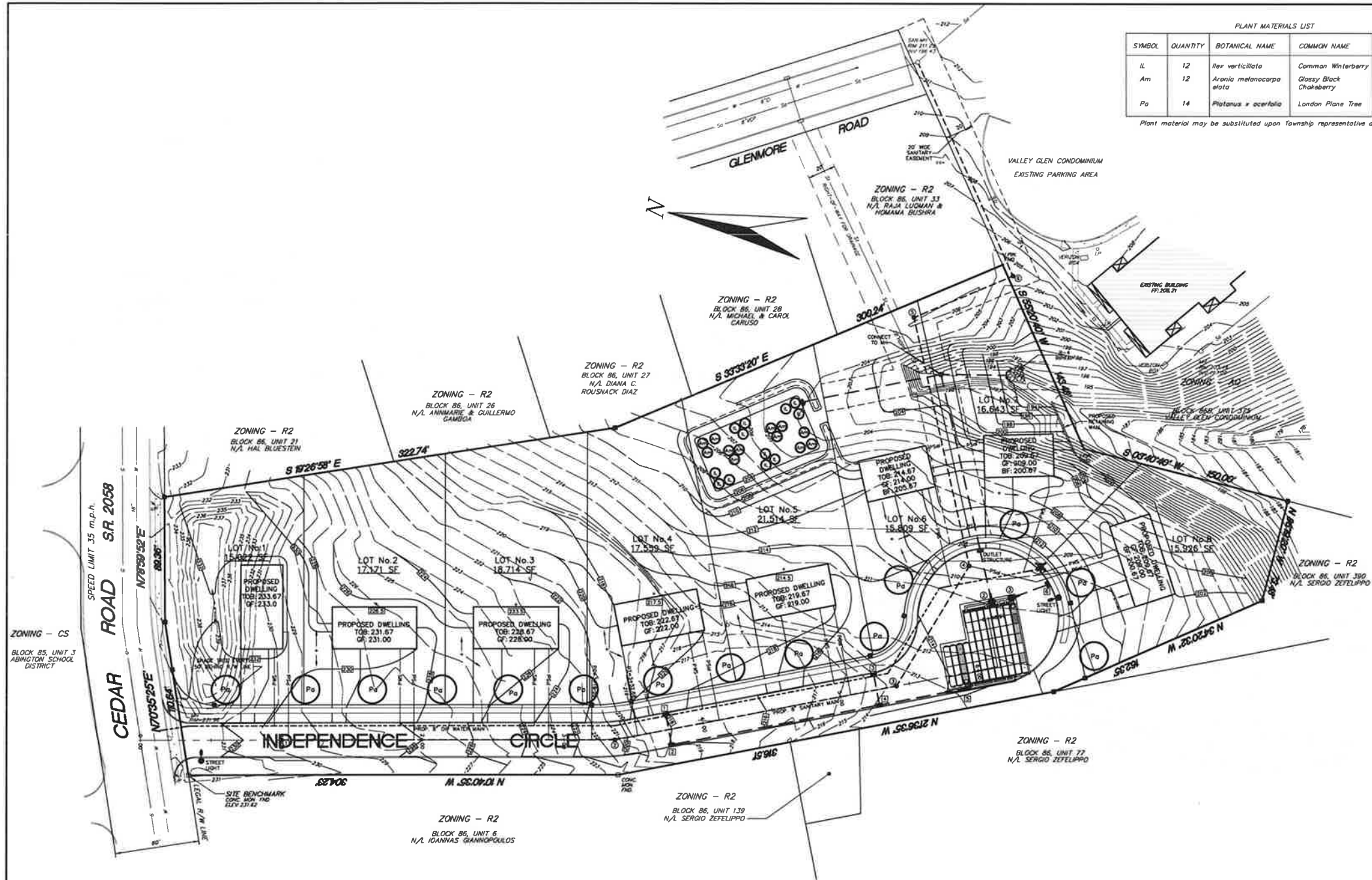
NOTE:  
CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH PENNDOT INSPECTOR IN ACCORDANCE WITH THE WORK BEING PERFORMED.

SHEET 10 of 14



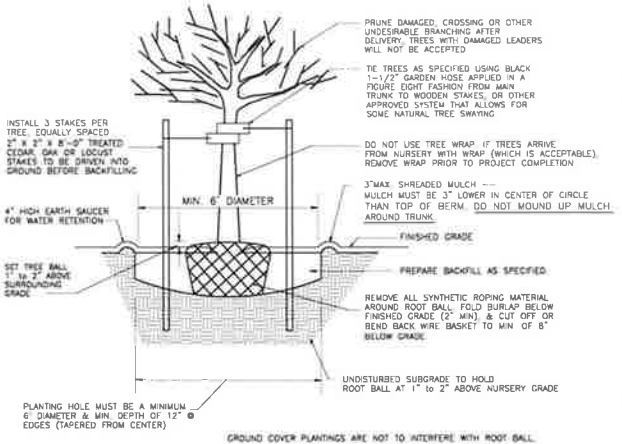
PENNDOT DETAILS  
365 CEDAR ROAD  
ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA  
MADE FOR  
**PAUL YANNESSA**  
22 NOVEMBER 2021  
**EASTERN/CHADROW ASSOCIATES, INC.**  
333 E. STREET ROAD • WARMINSTER, PA 18974 • (215) 672-8671 FAX (215) 672-6765  
EST. 1967

E-2541-10

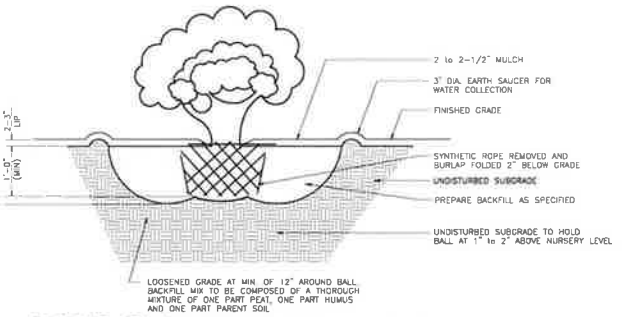


PLANT MATERIALS LIST				
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE
IL	12	<i>Ilex verticillata</i>	Common Winterberry	24" height
Am	12	<i>Aronia melanocarpa</i>	Glossy Black Chokeberry	24" height
Pa	14	<i>Platanus x acerifolia</i>	London Plane Tree	3" min. caliper

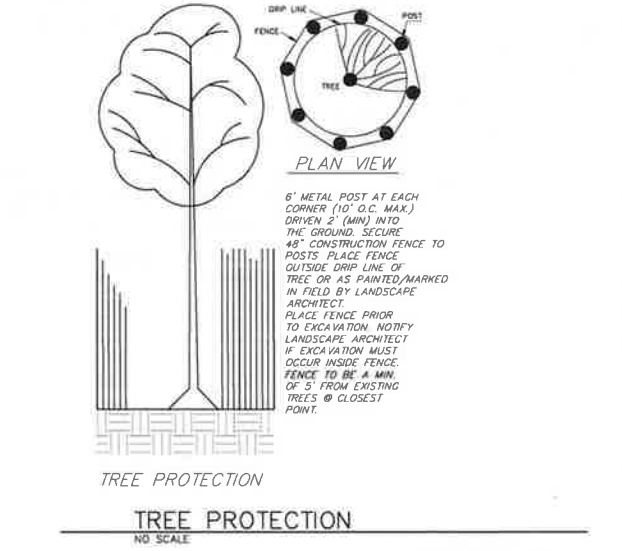
Plant material may be substituted upon Township representative approval



TREE PLANTING DETAIL - DECIDUOUS  
NO SCALE



SHRUB PLANTING DETAIL  
NO SCALE



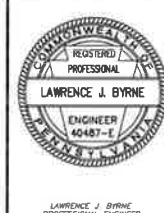
SHEET 11 of 14



PENNSYLVANIA ONE CALL SYSTEM, INC.  
SERIAL No 20171532707 CONTACTED: 6-2-2017

**ACT 187 USERS LIST**

USER	ADDRESS	TELEPHONE
1. TOWNSHIP OF ABINGTON	1176 OLD YORK RD. ABINGTON, PA. 19001	215-884-5000
2. AQUA PENNSYLVANIA, INC.	782 LANCASTER AVE. BRYN MAWR, PA. 19010	1-800-711-4779
3. BELL TELEPHONE CO. of PA.	104 WITMER RD. HORSHAM, PA. 19044	215-958-2623
4. PHILADELPHIA ELECTRIC Co.	400 PARK AVE. WARMINSTER PA. 18974	OUTSIDE PA. 412-323-7100 IN PA. 800-242-1776
5. PENNA. DEPT. OF TRANSPORTATION	EAST NORRITON TWP. P.O. BOX 350 NORRISTOWN, PA.	1-215-275-2368



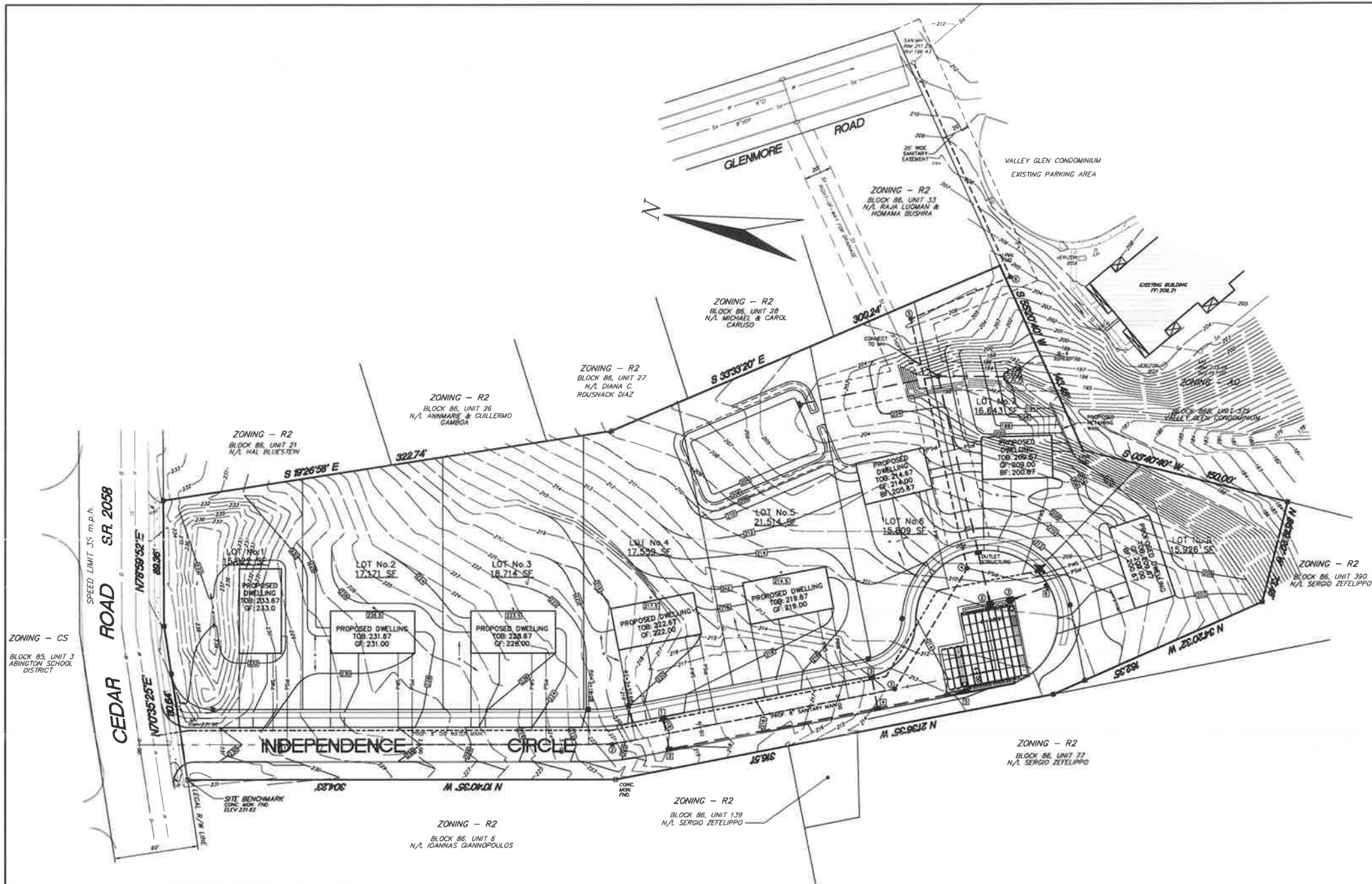
**LIGHTING & LANDSCAPING PLAN**  
365 CEDAR ROAD  
ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA  
MADE FOR  
**PAUL YANNESSA**

SCALE: 1"=40'

22 NOVEMBER 2021

**EASTERN/CHADROW ASSOCIATES, INC.**  
333 E. STREET ROAD • WARMINSTER, PA. 18974 • (215) 672-8871 FAX (215) 672-6765  
EST. 1969





# **Standard grading & utility notes:**

1. All contractors working on this project shall comply with the requirements of p.l. 852, no. 287 December 10, 1974 as amended on December 12 1986, p.l. 1574, 60, 172. Contractor must notify PA One Call System, Inc. Three days prior to construction: 1-800-242-1776.
2. The location of all existing and proposed services are approximate and must be confirmed independently prior to commencement of any construction or excavation. Sanitary sewer and all other utility service connection points shall be confirmed independently by the contractor in the field prior to the commencement of construction. All discrepancies shall, be reported immediately in writing to the engineer. Construction shall commence beginning at the lowest intent (point of connection) and progress up gradient. Proposed interface points (crossings) with existing underground utilities shall be field verified by test pit prior to commencement of construction.
3. All utilities and services, including but not limited to gas, water, electric, sanitary and storm sewer, telephone, cable, fiber optic cable, etc. Within the limits of disturbance, shall be vertically and horizontally located. The contractor shall use and comply with the requirements of the applicable utility notification system to locate all the underground utilities. The contractor is responsible for repairs of damage to any existing utilities during construction, at no cost to the owner.
4. It is the responsibility of the contractor to review all of the drawings, specifications, and referenced documents associated with the project work scope prior to the initiation of construction. Should the contractor find a conflict with the documents relative to the specifications or applicable codes, it is the contractor's responsibility to notify the project engineer of record in writing prior to the start of construction. Failure by the contractor to notify the project engineer shall constitute acceptance of full responsibility by the contractor to complete the scope of work as defined by the drawings and in full compliance with local regulations and codes.
5. The contractor is responsible for coordination of site plan documents and architectural design for exact building utility connection locations, door access, and exterior grading. The utility service sizes are to be determined by architect. The contractor shall coordinate installation of utilities/services with the individual companies.
6. All new utilities/services, including electric, telephone, cable TV, etc. Are to be installed underground. All new utilities/services shall be installed in accordance with the providers installation specifications and standards.
7. Site grading shall be performed in accordance with these plans. Subbase material for sidewalks, curb, or asphalt shall be free of organics and other unsuitable materials. Should subbase be deemed unsuitable by owner or owner's representative, subbase is to be removed and filled with approved fill material compacted to 95% optimum density (as determined by modified proctor method).
8. No excavation or fill shall be made with a face steeper than two (2) horizontal to one (1) vertical (2:1).
9. Burying of trees, stumps, or construction material is prohibited.
10. The contractor shall comply to the fullest extent with the latest standards of OSHA directives, or any other agency having jurisdiction for excavation and trenching procedures. The contractor is responsible for determining the means and methods required to meet the intent and performance criteria of OSHA, as well as any other entity that has jurisdiction for excavation and/or trenching procedures.
11. Pavement shall be saw cut in straight lines to the full depth of the existing pavement. All debris from removal operations shall be removed from the site at the time of excavation. Stockpiling of debris will not be permitted. Areas of existing pavement that are to be replaced with lawn areas shall be provided with a minimum of 6 inches of topsoil.
12. The tops of existing manholes, inlet structures, and sanitary cleanout tops shall be adjusted, if required, to match the grading and utility plan(s).
13. In case of discrepancies between plans, the site / record plan will supersede in all cases. The engineer of record must be immediately notified in writing of any conflicts.
14. The contractor shall be required to secure all necessary permits (including D.E.P., etc.) For all off site haul and/or borrow sites. Contractor shall supply a copy of approvals to engineer and owner prior to initiating work.
15. Any drain or conveyance, whether on the surface or subsurface, that allows any non-stormwater discharge, including sewage, process wastewater, and wash water to enter the waters of the Commonwealth is prohibited.

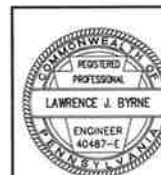
STOP-CALL BEFORE YOU DIG!



PENNSYLVANIA ONE CALL SYSTEM, INC.  
SERIAL NO 20171532707 CONTACTED 6-2-2017

## **ACT 187 USERS LIST**

USER	ADDRESS	TELEPHONE
1. TOWNSHIP OF ABINGTON	1176 OLD YORK RD. ABINGTON, PA 19001	215-884-5000
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3. BELL TELEPHONE CO. OF PA	104 WYMER RD. MORSHAM, PA 19044	215-956-2623
4. PHILADELPHIA ELECTRIC CO.	400 PARK AVE. WARMINSTER PA 18974	OUTSIDE PA. 412-323-7100 IN PA 800-242-1776
5. PENNA. DEPT. OF TRANSPORTATION	EAST NORRITON TWP. P.O. BOX 350 NORRITOWN, PA	1-215-275-2368



LAWRENCE J. BYRNE  
PROFESSIONAL ENGINEER  
LICENSE NO. 40487-E

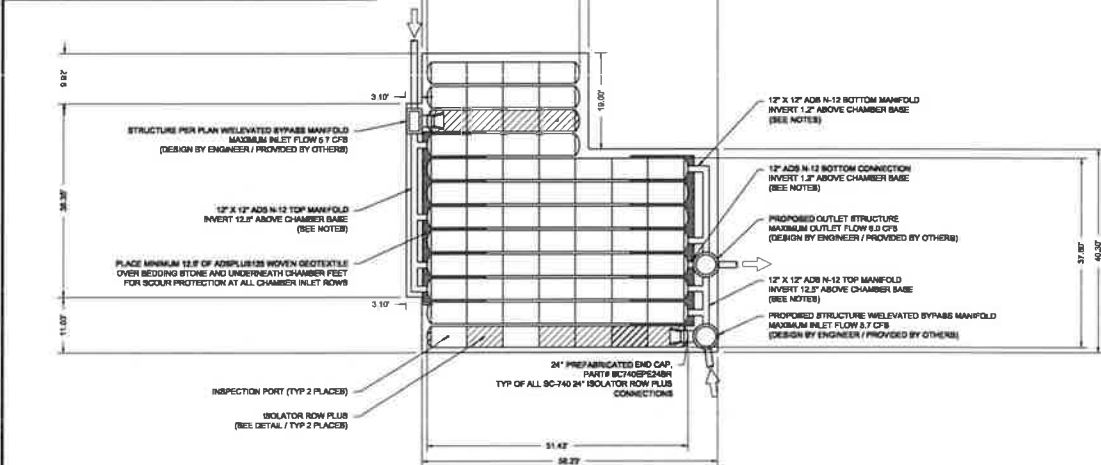


EDMUND A. CHADROW, III  
PROFESSIONAL ENGINEER  
LICENSE NO. 75128

GRADING & UTILITY PLAN  
365 CEDAR ROAD  
ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA  
MADE FOR  
**PAUL YANNESSA**  
SCALE: 1"=40'  
22 NOVEMBER 2021  
**EASTERN/CHADROW ASSOCIATES, INC.**  
333 E. STREET ROAD • WARMINSTER, PA 18974 • (215) 672-8671 FAX (215) 672-6765  
EST. 1967

E-2541-12

PROPOSED LAYOUT	
22	STORMTECH SC-740 CHAMBERS
24	STORMTECH SC-740 END CAPS
26	STONE ABOVE (IN)
12	STONE BELOW (IN)
40	% STONE VOID
19,818	INSTALLED SYSTEM VOLUME (CFT) (PERIMETER STONE INCLUDED)
2000	SYSTEM AREA (SQ)
241	SYSTEM PERIMETER (IN)
PROPOSED ELEVATIONS	
218.50	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)
209.50	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)
209.00	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)
208.00	MINIMUM ALLOWABLE GRADE (BASE OF FLOODABLE PAVEMENT)
208.00	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
210.00	TOP OF STONE
207.50	TOP OF SC-740 CHAMBER
206.04	12" TOP MANHOLE INVERT
205.19	12" BOTTOM MANHOLE CONNECTION INVERT
205.01	24" ISOLATOR ROW PLUS CONNECTION INVERT
204.00	BOTTOM OF SC-740 CHAMBER
204.00	BOTTOM OF STONE



## SC-740 STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE STORMTECH SC-740.
- CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCE.
- CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS ( $\leq 1$  MIN) AASHTO DESIGN TRUCK LIVE LOAD OR MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
  - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
  - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
  - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 680 LBS/IN. THIS ARCH IS DEFINED IN SECTION 6.2.8 OF ASTM F2418, AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL, BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
  - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
  - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.66 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
  - THE TEST DERIVED CRIPPLE MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
- CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

## IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-740 SYSTEM

- STORMTECH SC-740 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-315/SC-740/SC-750 CONSTRUCTION GUIDE".
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
  - STONE SHOOTER LOCATED OFF THE CHAMBER BED.
  - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
  - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
- MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4" (20 mm) (20-60 mm).
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
- AOS RECOMMENDS THE USE OF "FLEXFORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

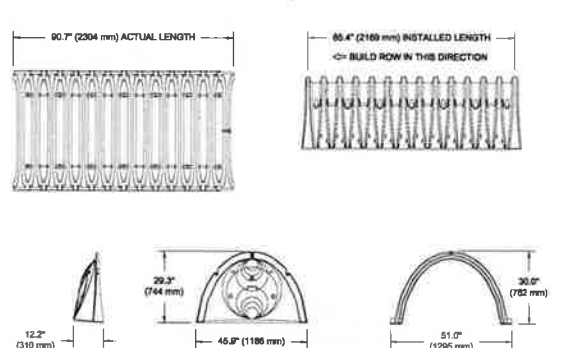
## NOTES FOR CONSTRUCTION EQUIPMENT

- STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-315/SC-740/SC-750 CONSTRUCTION GUIDE".
- THE USE OF CONSTRUCTION EQUIPMENT OVER SC-740 CHAMBERS IS LIMITED:
  - NO EQUIPMENT IS ALLOWED ON BANK CHAMBERS.
  - NO RUBBER Tired LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-315/SC-740/SC-750 CONSTRUCTION GUIDE".
  - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-315/SC-740/SC-750 CONSTRUCTION GUIDE".
- FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-862-2684 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

## SC-740 TECHNICAL SPECIFICATION

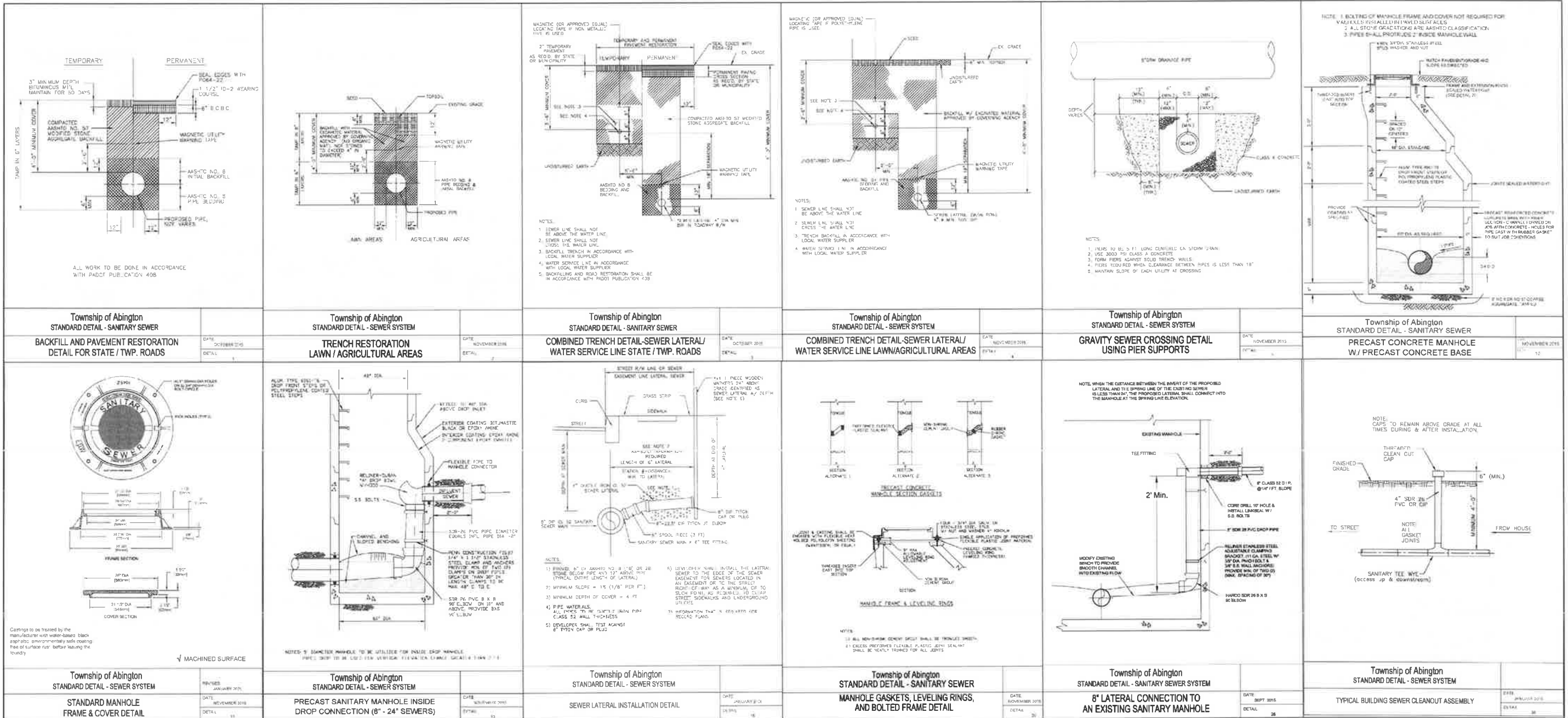


NOMINAL CHAMBER SPECIFICATIONS			
SIZE (W X H X INSTALLED LENGTH)	51.0" X 30.0" X 85.4"	(1296 mm X 762 mm X 2160 mm)	
CHAMBER STORAGE	44.9 CUBIC FEET	(1.30 m³)	
MINIMUM INSTALLED STORAGE	74.9 CUBIC FEET	(2.12 m³)	
WEIGHT	79.9 lbs.	(33.4 kg)	

\*ASSUMES 8" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS

PRE-FAB STUB AT BOTTOM OF END CAP WITH FLAMP END WITH "B"  
PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"  
PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"  
PRE-CORED END CAPS END WITH "C"

PART #	STUB	A	B	C
SC740EP007 / SC740EP007PC	6" (150 mm)	10.8" (277 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP008 / SC740EP008PC	8" (200 mm)	12.2" (310 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP009 / SC740EP009PC	10" (250 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP010 / SC740EP010PC	12" (300 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP011 / SC740EP011PC	14" (350 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP012 / SC740EP012PC	16" (400 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP013 / SC740EP013PC	18" (450 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP014 / SC740EP014PC	20" (500 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP015 / SC740EP015PC	22" (550 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP016 / SC740EP016PC	24" (600 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP017 / SC740EP017PC	26" (650 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP018 / SC740EP018PC	28" (700 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP019 / SC740EP019PC	30" (750 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP020 / SC740EP020PC	32" (800 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP021 / SC740EP021PC	34" (850 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP022 / SC740EP022PC	36" (900 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP023 / SC740EP023PC	38" (950 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP024 / SC740EP024PC	40" (1000 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP025 / SC740EP025PC	42" (1050 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP026 / SC740EP026PC	44" (1100 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP027 / SC740EP027PC	46" (1150 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP028 / SC740EP028PC	48" (1200 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP029 / SC740EP029PC	50" (1250 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP030 / SC740EP030PC	52" (1300 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP031 / SC740EP031PC	54" (1350 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP032 / SC740EP032PC	56" (1400 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP033 / SC740EP033PC	58" (1450 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP034 / SC740EP034PC	60" (1500 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP035 / SC740EP035PC	62" (1550 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP036 / SC740EP036PC	64" (1600 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP037 / SC740EP037PC	66" (1650 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP038 / SC740EP038PC	68" (1700 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP039 / SC740EP039PC	70" (1750 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP040 / SC740EP040PC	72" (1800 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP041 / SC740EP041PC	74" (1850 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP042 / SC740EP042PC	76" (1900 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP043 / SC740EP043PC	78" (1950 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP044 / SC740EP044PC	80" (2000 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP045 / SC740EP045PC	82" (2050 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP046 / SC740EP046PC	84" (2100 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP047 / SC740EP047PC	86" (2150 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP048 / SC740EP048PC	88" (2200 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP049 / SC740EP049PC	90" (2250 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP050 / SC740EP050PC	92" (2300 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP051 / SC740EP051PC	94" (2350 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP052 / SC740EP052PC	96" (2400 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP053 / SC740EP053PC	98" (2450 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP054 / SC740EP054PC	100" (2500 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP055 / SC740EP055PC	102" (2550 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP056 / SC740EP056PC	104" (2600 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP057 / SC740EP057PC	106" (2650 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP058 / SC740EP058PC	108" (2700 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP059 / SC740EP059PC	110" (2750 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP060 / SC740EP060PC	112" (2800 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP061 / SC740EP061PC	114" (2850 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP062 / SC740EP062PC	116" (2900 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP063 / SC740EP063PC	118" (2950 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP064 / SC740EP064PC	120" (3000 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP065 / SC740EP065PC	122" (3050 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP066 / SC740EP066PC	124" (3100 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP067 / SC740EP067PC	126" (3150 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP068 / SC740EP068PC	128" (3200 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP069 / SC740EP069PC	130" (3250 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP070 / SC740EP070PC	132" (3300 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP071 / SC740EP071PC	134" (3350 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP072 / SC740EP072PC	136" (3400 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP073 / SC740EP073PC	138" (3450 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP074 / SC740EP074PC	140" (3500 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP075 / SC740EP075PC	142" (3550 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP076 / SC740EP076PC	144" (3600 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP077 / SC740EP077PC	146" (3650 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP078 / SC740EP078PC	148" (3700 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP079 / SC740EP079PC	150" (3750 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP080 / SC740EP080PC	152" (3800 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP081 / SC740EP081PC	154" (3850 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP082 / SC740EP082PC	156" (3900 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP083 / SC740EP083PC	158" (3950 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP084 / SC740EP084PC	160" (4000 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP085 / SC740EP085PC	162" (4050 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP086 / SC740EP086PC	164" (4100 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP087 / SC740EP087PC	166" (4150 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP088 / SC740EP088PC	168" (4200 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP089 / SC740EP089PC	170" (4250 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP090 / SC740EP090PC	172" (4300 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP091 / SC740EP091PC	174" (4350 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP092 / SC740EP092PC	176" (4400 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP093 / SC740EP093PC	178" (4450 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP094 / SC740EP094PC	180" (4500 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP095 / SC740EP095PC	182" (4550 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP096 / SC740EP096PC	184" (4600 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP097 / SC740EP097PC	186" (4650 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP098 / SC740EP098PC	188" (4700 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP099 / SC740EP099PC	190" (4750 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP100 / SC740EP100PC	192" (4800 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP101 / SC740EP101PC	194" (4850 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP102 / SC740EP102PC	196" (4900 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP103 / SC740EP103PC	198" (4950 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP104 / SC740EP104PC	200" (5000 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP105 / SC740EP105PC	202" (5050 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP106 / SC740EP106PC	204" (5100 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP107 / SC740EP107PC	206" (5150 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP108 / SC740EP108PC	208" (5200 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP109 / SC740EP109PC	210" (5250 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP110 / SC740EP110PC	212" (5300 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP111 / SC740EP111PC	214" (5350 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP112 / SC740EP112PC	216" (5400 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP113 / SC740EP113PC	218" (5450 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP114 / SC740EP114PC	220" (5500 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP115 / SC740EP115PC	222" (5550 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP116 / SC740EP116PC	224" (5600 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP117 / SC740EP117PC	226" (5650 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP118 / SC740EP118PC	228" (5700 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP119 / SC740EP119PC	230" (5750 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP120 / SC740EP120PC	232" (5800 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP121 / SC740EP121PC	234" (5850 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP122 / SC740EP122PC	236" (5900 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP123 / SC740EP123PC	238" (5950 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP124 / SC740EP124PC	240" (6000 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP125 / SC740EP125PC	242" (6050 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP126 / SC740EP126PC	244" (6100 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP127 / SC740EP127PC	246" (6150 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP128 / SC740EP128PC	248" (6200 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP129 / SC740EP129PC	250" (6250 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP130 / SC740EP130PC	252" (6300 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP131 / SC740EP131PC	254" (6350 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP132 / SC740EP132PC	256" (6400 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP133 / SC740EP133PC	258" (6450 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP134 / SC740EP134PC	260" (6500 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP135 / SC740EP135PC	262" (6550 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP136 / SC740EP136PC	264" (6600 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP137 / SC740EP137PC	266" (6650 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP138 / SC740EP138PC	268" (6700 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP139 / SC740EP139PC	270" (6750 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP140 / SC740EP140PC	272" (6800 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP141 / SC740EP141PC	274" (6850 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP142 / SC740EP142PC	276" (6900 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP143 / SC740EP143PC	278" (6950 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP144 / SC740EP144PC	280" (7000 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP145 / SC740EP145PC	282" (7050 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP146 / SC740EP146PC	284" (7100 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP147 / SC740EP147PC	286" (7150 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP148 / SC740EP148PC	288" (7200 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP149 / SC740EP149PC	290" (7250 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP150 / SC740EP150PC	292" (7300 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP151 / SC740EP151PC	294" (7350 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC740EP152 / SC740EP152PC	296" (7400 mm)	12.4" (314 mm)	16.3" (413 mm)	0.6" (15 mm)
SC				



SHEET 14 of 14

LAWRENCE J. BYRNE  
REGISTERED PROFESSIONAL ENGINEER  
40487-E  
PENNSYLVANIA

EDMUND A. CHADROW, III  
REGISTERED PROFESSIONAL ENGINEER  
75128  
PENNSYLVANIA

SANITARY SEWER DETAILS  
365 CEDAR ROAD  
ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA  
MADE FOR  
**PAUL YANNESSA**  
22 NOVEMBER 2021  
**EASTERN/CHADROW ASSOCIATES, INC.**  
333 E. STREET ROAD • KAMMISTEN, PA 18974 • (215) 672-8671 FAX (215) 672-6765  
EST. 1967





## WASTEWATER DEPARTMENT

*George Wrigley, Director*

December 6, 2021

Paul Yannessa  
43 Longfield Road  
Glenside, PA 19038

RE: Proposed Land Development for 365 Cedar Road: Sanitary Sewer Availability

Dear Mr. Yannessa:

The Township of Abington Wastewater Utilities Department has reviewed the historical archived documents from Township records in regards to your request for verification of sanitary sewer service availability at the development site. The records indicate that there is an existing sanitary sewer adjacent to your proposed development through the Valley Glenn Condominium property, which discharges to our Jenkintown Road flow meter along Township Line Road that has sufficient capacity for the proposed eight residential properties. The sanitary wastewater is then conveyed through the Aqua sewer system in Cheltenham Township to the Philadelphia Water Department's Northeast Water Pollution Control Facility. Capacity verification will be required from each of these three entities as well as the PaDEP via a postcard mailer form and either an exemption request from Sewage Facilities Planning or a full Planning Module application.

Should you have any questions or require any additional information, please contact me at 215-884-8329 or email at [gwrigley@abington.org](mailto:gwrigley@abington.org).

Sincerely,

George R. Wrigley, Director

Abington Wastewater Utilities Department

pc: Timothy Clark, Abington Director of Engineering  
Khaled R. Hassan, PE, Pennoni  
Allison A. Lee, PE, Pennoni  
Lawrence J. Byrne, PE, Applicant's Engineer

December 8, 2021

ABINT 130022

Mr. Richard J. Manfredi, Township Manager  
Abington Township  
1176 Old York Road  
Abington, PA 19001

**RE: SD-21-03 – 365 Cedar Road (Yannessa Subdivision)  
Meets and Bounds Description Review**

Dear Mr. Manfredi:

We have completed a review of the following description for the above referenced project, as prepared by Eastern/Chadrow Associates Inc., located at 333 East Street Road in Warminster, PA, and received on December 6, 2021. We offer the following comments for your consideration:

Description(s)

- Description of "Sanitary Sewer Easement Across Lands of Valley Glen Condominium" dated April 28, 2021

Exhibits(s)

- Description of "Plan of Sanitary Sewer Easement Across Lands of Valley Glen Condominium" dated April 28, 2021

Based on our review, the above referenced description and exhibit have no inaccuracies and the bearings and distances indicated close within an acceptable error of closure; therefore, **we recommend that the attached description be accepted for recording & execution purposes.**

If you have any questions or comments, please do not hesitate to contact me.

Sincerely,

**PENNONI**



Khaled R. Hassan, PE  
Township Engineer

cc: Terry Castorina, Executive Assistant  
Shaun Littlefield, Zoning Officer  
Timothy G. Clark, Director of Engineering  
George R. Wrigley, Director of Wastewater Utilities  
Michael P. Clarke, Esq., Rudolph Clarke, LLC, Township Solicitor  
Paul Yannessa, Applicant  
Lawrence J. Byrne, PE, L.J. Byrne Engineering, LLC, Design Engineer  
Edmund A. Chadrow III, PLS, Eastern/Chadrow Associates Inc., Land Surveyor

# EASTERN / CHADROW ASSOCIATES, INC.

333 EAST STREET ROAD – WARMINSTER, PA 18974 Phone: 215-672-8671 – Fax: 215-672-6765

*Established 1967*

April 28, 2021

## Sanitary Sewer Easement across lands of Valley Glen Condominium

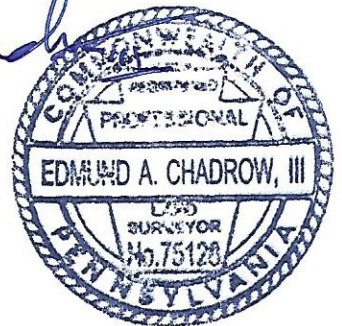
ALL THAT CERTAIN lot, piece or parcel of land SITUATE in the Township of Abington, County of Montgomery and Commonwealth of Pennsylvania, described according to a Plan of Sanitary Sewer Easement across lands of Valley Glen Condominium, prepared by Eastern/Chadrow Associates, Inc., dated April 28, 2021, as follows to wit:

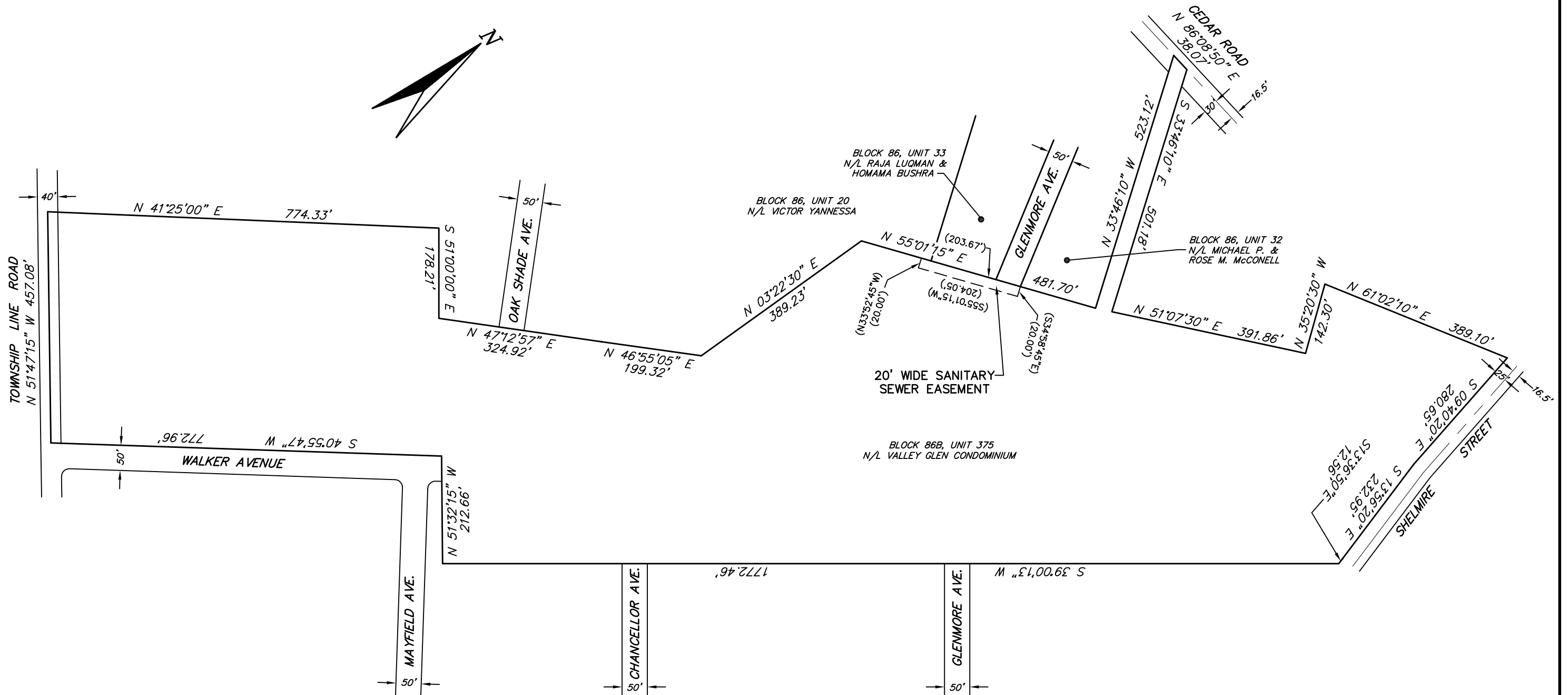
BEGINNING at a point on the terminus and Northeasterly side of Glenmore Avenue ( 50 feet wide ) along lands of Valley Glen Condominium, said point being the first mentioned point and place of beginning; THENCE extending South 34 Deg. 58 Min. 45 Sec. East thru lands of Valley Glen Condominium the distance of 20.00 feet to a point; THENCE extending South 55 Deg. 1 Min. 15 Sec. West still by the same the distance of 204.05 feet to a point; THENCE extending North 33 Deg. 52 Min. 45 Sc. West still by the same the distance of 20.00 feet to a point; THENCE extending North 55 Deg. 1 Min. 15 Sec. East along lands of N/L Victor Yannessa, N/L Raja Luqman & Homama Bushra and along the said terminus of Glenmore Avenue the distance of 203.67 feet to a point, said point being the first mentioned point and place of beginning.

Being all of the Sanitary Sewer Easement as shown on the above mentioned plan.  
Containing 4,077 square feet of land more or less.



Edmund A. Chadrow, III  
Professional Land Surveyor





*EASTERN/CHADROW  
ASSOCIATES, INC.*

*333 E. STREET RD.  
WARMINSTER, PA.  
18974*

EST. 1967

PLAN OF SANITARY SEWER EASEMENT  
ACROSS LANDS OF

**VALLEY GLEN CONDOMINIUM**

ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA

DATE: 4/28/2021

SCALE: 1"=200'

DWG. NO. B-1987

January 7, 2022

ABINT130022

Mr. Richard Manfredi, Township Manager  
Abington Township  
1176 Old York Road  
Abington, PA 19001

**RE: SD-21-03-365 Cedar Road (Yannessa Subdivision)**  
**PARID: 30-00-07112-00-4 / TMID: 30086 020**  
**Preliminary Major Subdivision and Land Development Plans Review (1<sup>st</sup> Submission)**

Dear Mr. Manfredi:

We have received a copy of the Preliminary Major Subdivision and Land Development Plans consisting of fourteen (14) sheets dated November 22, 2021, and received on November 30, 2021; as prepared by Eastern/Chadrow Associates, Inc. located at 333 E. Street Road in Warminster, PA for the above referenced project.

Under this Application, the Applicant is proposing to demolish an existing residential dwelling, covered porch, garage, shed, and boulder wall; and subdivide the existing 177,620 SF (4.0776 acres) parcel into eight (8) individual lots ranging from 15,022 SF to 21,514 SF. Along with the subdivision, the Applicant is proposing to construct a single-family detached dwelling on each lot, as well as associated, sidewalk, curbing, driveway, streetlights, and stormwater management facilities. Access to/from the site will be by way of one new cul-de-sac roadway named Independence Circle that will intersect with Cedar Road (SR 2058) as a new T-intersection. Each new dwelling is proposed to be served by public water and sewer service.

This project is located within the R2-Low-Medium Density Residential Zoning District. The subject parcel is fronted by Cedar Road (SR 2058) (60 FT R/W) to the north; residential apartments zoned in the AO-Apartment-Office Zoning District to the south; and residential properties zoned in the R2-Low-Medium Density Residential Zoning District to the east and west.

In accordance with the FEMA, Flood Insurance Rate Map (FIRM) Panel No. 42091C04203G, effective March 2, 2016, the tract is identified to be within Zone X, an area outside the 0.2% chance flood and minimal flood hazard. Therefore, based on the FEMA determination, the tract is not located within the Floodplain Conservation District. Based on the plans and FIRM map, and as confirmed by the Applicant, there are no wetlands that exist on site.

The Applicant has identified areas of precautionary steep slopes (greater than 15% to 25%) and prohibitive steep slopes (greater than 25%), located primarily at the front and rear of the site. Although there are existing steep slopes identified on the site, these areas do not span five contiguous 10-foot contour intervals; and therefore, the site is determined to be located outside the steep slope conservation overlay district.

The Applicant is requesting the following waivers as part of this subdivision:



### **WAIVERS REQUESTED**

1. **§146-11.A.(4) – Property Identification Plan** – Tract boundaries with tax parcel numbers, owner's names and approximate acreage of lots surrounding any portion of the site for a distance of 400 feet. **The Applicant has requested a waiver to not be required to show all existing and proposed features, tax parcels, and owners names within 400 feet of the site. The Applicant has provided an Aerial Plan of the parcel on Sheet 3 of the plans set.**

**We support a partial waiver due to the size and scope of the project, contingent the Applicant shows the tax parcel numbers, owner's names and approx. acreage of the immediately abutting properties of the tract. We also request that the Applicant revise the aerial plan to increase the resolution, zoom out the aerial image, and provide and label a 400' radius surrounding the site.**

2. **§146-11.B.(3) – Existing Features Plan** – The location of property lines and names of landowners within 400 feet of any part of the site to be subdivided or developed. **The Applicant has requested a waiver to not be required to show all existing and proposed features, tax parcels, and owners names within 400 feet of the site. The Applicant has provided an Aerial Plan of the parcel on Sheet 3 of the plans set.**

**We support a partial waiver due to the size and scope of the project, contingent the Applicant shows the property lines and names of the immediately abutting properties of the tract. We also request that the Applicant revise the aerial plan to increase the resolution, zoom out the aerial image, and provide and label a 400' radius surrounding the site.**

3. **§146-11.H.(1) – Landscaping and Shade Tree Plan** – The landscaping plan shall be prepared by a registered landscape architect. **The Applicant has requested a waiver to not be required to have the landscape plan prepared by a professional landscape architect. The Applicant has provided a landscape plan on Sheet 11 of the plans set. However, the plan does not include certification or information of a landscape architect; and approval of this waiver to not require the landscape plan be prepared by a registered landscape architect is required.**

**We do not support this waiver request and recommend that the landscape plan be prepared by a landscape architect to specify the appropriate tree species for the site, and, in accordance with Zoning Code Section 2401.A.2.d.(1)(e), to certify that vegetation removal is minimized; that no alternative layouts are possible and that no alternative clearing or grading plan would reduce the loss of mature trees, tree mass, and woodland areas.**

4. **§146-11.L – Architectural Plan** – Tentative architectural plans, appropriately scaled to show the following details, shall be included:
  - (a) Front, side, and rear elevations of proposed buildings.
  - (b) The number of floors proposed, including basement and mezzanine areas.
  - (c) Building use group as defined in the Township Building Code.<sup>[7]</sup> If mixed uses are proposed, an indication of the use groups involved shall also be included.
  - (d) Area and height limitations of proposed buildings.
  - (e) Construction type as defined in the Township Building Code.
  - (f) Sprinkler requirements as defined in the Township Sprinkler Ordinance.<sup>[8]</sup>
  - (g) The location of fire exits and exit discharge.
  - (h) For apartment buildings, the total dwelling unit count and the number of rooms proposed for each dwelling unit.

**The Applicant is requesting a waiver from this code section requirement to not be required to**



provide architectural plans of the individual proposed dwellings.

**We do not support this waiver request and recommend at a minimum that the Applicant provide renderings of the dwelling units to be proposed for review and approval by the Board of Commissioners. The Applicant can provide the renderings prior to final land development approval.**

5. **§146-24.D.(1) – Right-of-Way and Paving Widths – Streets –** The minimum widths of the right-of-way and the paving shall not be less than those on an existing street of which the new street is to be a continuation nor less than 30 feet for residential streets. **The Applicant is proposing a 24 feet wide roadway cartway in lieu of the required 30 feet roadway cartway width.**

**We do not support this waiver request, especially since the minimum required roadway cartway is 30 feet and it appears that the applicant intends to dedicate this street to the Township.**

6. **§146-24.D.(4).(a) – Right-of-Way and Paving Widths – Culs-de-sac –** The minimum right-of-way width shall be 50 feet, and the minimum cartway width shall be 30 feet. The cul-de-sac shall be not less than 250 feet and not greater than 500 feet long terminating in a turnaround with a minimum right-of-way radius of 60 feet and an outer paving radius of 50 feet. No island, barrier or other obstruction shall be placed within the paved radius of the cul-de-sac. The cul-de-sac shall be measured along the center line from the near right-of-way line of the adjacent intersecting street to the center of the turnaround.

**Based on our measurements, the Applicant has proposed a cul-de-sac length of approx. 583 LF which is greater than the required 500 feet maximum; and thus, requiring a waiver from this code section.**

**We support a waiver from the roadway length requirement due to the existing size of the tract and contingent the Applicant adequately demonstrates that emergency services and sanitation vehicles can adequately maneuver the site.**

**However, we do not support the reduced cartway width of 24 feet, and recommend that the Applicant provide the required 30 feet cartway width, especially since the Applicant intends to dedicate the street to the Township.**

7. **§146-25.D – Curb –** Wherever practicable, curblines shall be rounded by a tangential arc, the minimum radius of which shall be 20 feet. The curbline radius shall be concentric with that of the right-of-way line, except at the intersections of streets having different widths between curblines and right-of-way lines. **The Applicant did not label the curb radii for the new roadway at the site entrance.**

**We support this waiver request contingent the Applicant labels the curb radii and provide turning templates to show that emergency services and sanitation vehicles can adequately make the turning maneuvers into and out of the site entrance.**

8. **§146-33.D – Drainage – Size, Shape and Type –** Storm drains shall be adequate for the anticipated runoff when the area is fully developed as permitted by zoning. They shall have a minimum internal diameter of 15 inches and a minimum grade of 0.5% unless otherwise approved by the Township Engineer. Reinforced cement concrete pipe (RCCP) shall be used where the system is to be accepted by the township. **The Applicant is requesting a waiver to permit the use of high-density polyethylene pipe (HDPE) in lieu of reinforced cement concrete pipe (RCCP) for the stormwater system. The Applicant is proposing 15-inch and 18-inch HDPE pipes beneath the proposed roadway**

at least 2.67' of cover.

**We support this waiver request contingent the Applicant provides stormwater calculations to adequately convey the stormwater runoff from the site improvements.**

9. **§146-43.C.(3).(a) – Cut & Fill Slopes** – Cut and fill slopes shall not be 15% or steeper, except as approved by the Township Zoning Hearing Board. The Township Engineer may require the use of retaining walls, cribbing or other measures necessary to stabilize slopes which are either cut into or filled. **The Applicant is proposing grades with 3:1 slopes (33%) to construct the rain garden in the rear of Lot 5 and regrading in various areas throughout the site.**

**We currently do not support this waiver request as we do not believe that there is adequate usable rear yard space behind the dwelling units of Lots 7 and 8 due to the existing steep slopes. We suggest that the Applicant revise should revise the plans to provide for either better or safer stormwater bmps, or look into omitting a dwelling or two, to make this a better site.**

The following documents have been reviewed:

Title	Sheet	Dated	Revised
Preliminary Plan	1 of 14	11/22/21	-----
Existing Features Plan	2 of 14	11/22/21	-----
Aerial Plan	3 of 14	11/22/21	-----
Erosion & Sediment Control Plan	4 of 14	11/22/21	-----
Erosion & Sediment Control Details Plan	5 of 14	11/22/21	-----
Post Construction Stormwater Management Plan	6 of 14	11/22/21	-----
Post Construction Stormwater Management Details Plan	7 of 14	11/22/21	-----
Plan & Profile Independence Circle	8 of 14	11/22/21	-----
Plan & Profile Sanitary Sewer Easement	9 of 14	11/22/21	-----
PennDOT Details	10 of 14	11/22/21	-----
Landscaping & Lighting Plan	11 of 14	11/22/21	-----
Grading & Utility Plan	12 of 14	11/22/21	-----
Stormtech Systems Details	13 of 14	11/22/21	-----
Sanitary Sewer Details	14 of 14	11/22/21	-----
Post Construction Stormwater Management Report	66 pages	11/22/21	-----

We have performed a review of the above referenced plans for compliance with the Zoning Ordinance (Chapter 162); Subdivision and Land Development Ordinance (Chapter 146); Stormwater Management Ordinance (Chapter 142). We offer the following comments for your consideration:

#### **ZONING COMMENTS**

1. Based on the Abington Comprehensive Use Matrix, a single family detached dwelling is a permitted use in the R-2 Low-Medium Density Residential District.
2. **Per §402 Figure 4.1 – Dimensional Regulations** – The minimum lot width is 100' for the proposed residential dwellings.  
**Per Zoning Code Section 201 – Specific Definitions**, lot width is defined as *the distance measured between lot lines, other than the front and rear lot lines, at the front building setback, build-to line, or portion of the build-to-zone closest to the street*. Based on our measurements, Lot 1 appears to only have a lot width of approx. 95' measured at the front building setback line which is less than

the required 100' lot width for this zoning district. We believe that by omitting a dwelling or two, the Applicant will have room to shift the lot lines to meet this zoning requirement for each lot.

3. **Per §402 Figure 4.1 – Dimensional Regulations** – The minimum side yard width is 15' for the proposed residential dwellings.

**Per Zoning Code Section 201 – Specific Definitions**, side yard is defined as *a yard lying between the right-of-way line, or where a right-of-way line is not present, a side lot line and the nearest line of the building, extending from the inward edge of the front yard to the inward edge of the rear yard.* In addition, per Zoning Code Section 201 – Specific Definitions, easement is defined as *a right-of-way or other right, granted for the limited and specified use of private land for private, common, or public use, which is recorded in the Office of the Recorder of Deeds.*

Based on the definitions noted above, Lots 6 and 7 should have their side yards dimensioned from the proposed storm sewer easement lines. We believe that a better layout for the site can be achieved by omitting a lot or two and relocating the proposed rain garden outside of the rear yard of Lot 5; by relocating the proposed underground basin from beneath the proposed roadway; and by relocating the proposed storm sewer so there is not a gap between the proposed storm and sanitary easements and rear yard space on Lots 6 and 7.

4. **Per §402 Figure 4.1 – Dimensional Regulations** – The minimum rear yard width is 30' for the proposed residential dwellings.

**Per Zoning Code Section 201 – Specific Definitions**, rear yard is defined as *a yard extending across the full width of the lot and lying between the right-of-way line, or where a right-of-way line is not present, the rear lot line and the nearest line of the building.* In addition, per Zoning Code Section 201 – Specific Definitions, easement is defined as *a right-of-way or other right, granted for the limited and specified use of private land for private, common, or public use, which is recorded in the Office of the Recorder of Deeds.*

Based on the definitions noted above, Lot 5 should have the rear yard dimensioned from the proposed rain garden easement line; and from the proposed storm sewer easements for Lots 6 and 7. The Applicant may wish to modify the proposed storm sewer easements to maximize the rear yard areas. The Applicant shall revise and dimension the rear yards on the plans accordingly.

In addition, proposed Lots 7 and 8 are irregular shaped lots. Per zoning code section 2601.O.4.d. – yard configuration requirements for irregularly shaped lots, *the location of required yards on irregularly shaped lots will be determined by the Zoning Official. The determination will be based on the spirit and intent of this Ordinance to achieve an appropriate spacing and location of buildings on lots.* For proposed Lot 8, the Applicant is classifying the yard area that borders block 86B, unit 375 located to the rear of the lot as a side yard. We have confirmed with the Abington Township Zoning Officer that this area should be classified as a rear yard since the lot line is located to the rear of the proposed building. Therefore, the Applicant shall revise the plan accordingly to provide the required thirty (30) feet setback from this lot line for Lot 8.

5. **Per §402 Figure 4.1 – Dimensional Regulations** – The maximum building area shall be twenty-five (25) percent.

The Applicant has indicated that the building coverage will be less than the maximum twenty-five (25) percent. The Applicant shall provide building coverage calculations showing compliance with this section of the code on the plans for each lot.

6. **Per §402 figure 4.1 – Dimensional Requirements** – The maximum impervious coverage area shall be thirty-five (35) percent.

**The Applicant has indicated that the impervious coverage will be less than thirty-five (35) percent. The Applicant shall provide the impervious coverage calculations showing compliance with this section of the code on the plans for each lot.**

7. **Per §402 figure 4.1 – Dimensional Requirements** – The minimum green area shall be sixty-five (65) percent.

**The Applicant has indicated that the green area will be greater than thirty-five (65) percent. The Applicant shall provide the green area calculations showing compliance with this section of the code on the plans for each lot.**

8. **Per §2401.A.2.d.(1).(c) – Preservation and Protection of Existing Vegetation** – Each mature tree with a ten (10) inch caliper or greater diameter on site shall be designated either “TO REMAIN” or “TO BE REMOVED”.

**The Applicant has included existing trees and corresponding tree sizes on the Existing Features & Demolition Plan (Sheet 2), however, the Applicant shall label these trees on the plan as to remain or to be removed.**

9. **Per §2402.B.1.a. & b. and §2402.B.2.c – Street Trees** – Street trees shall be required along each frontage on all existing streets when they abut or lie within a proposed subdivision of land development and along both sides of all proposed streets. Trees shall be planted at a ratio of at least one tree per 40 linear feet of frontage or fraction thereof.

**Based on our calculation, there is approximately 750 LF of frontage along the new Independence Circle (or approx. 1,359 LF for both sides of the street); therefore,  $1,359 \text{ LF} / 40 \text{ LF} = 33.975$  or 34 trees along both sides of Independence Circle. The Applicant is only providing 14 trees along Independence Circle. Moreover, there is approximately 159 LF of frontage along the existing Cedar Road which will require  $159 \text{ LF} / 40 \text{ LF} = 3.975$  or 4 trees along Cedar Road. The Applicant is required to provide 4 street trees along the Cedar Road frontage, as well as, an additional 20 street trees along both sides of Independence Circle, for a total of 38 street trees under this land development application. A street trees calculation shall be provided on the plans showing compliance with this section of the code.**

10. **Per §2403, Figure 24.6 – Tree Species Requirements** – The Applicant is required to provide 38 street trees as part of this subdivision and land development.

**Based on Figure 24.6, the Applicant shall provide four different species of trees, with the maximum percentage of any one species being 30 percent. Currently, the Applicant is proposing only 14 street trees, all are of one tree species (Pa). The Applicant shall provide the remaining street trees and additional tree species to comply with this code section.**

11. **Per §2601.H – Lighting Standards** – The Applicant is proposing two (2) streetlights as part of this subdivision.

**Point by point calculations shall be provided to ensure that the lighting complies with the standards set forth in the above section of the code. A detail for the proposed streetlights shall also be provided to ensure that the lighting complies with the standards set forth in the above section of the code.**

#### **CHAPTER 146** **SUBDIVISION & LAND DEVELOPMENT COMMENTS**

12. **Per §146-11.A.(6) – Property Identification Plans** – the property identification plans shall contain the location of all existing monuments and iron pins on or defining the site.

13. **Per §146-11.A.(7) – Property Identification Plans** – the property identification plans shall contain an indication that the elevations are based upon sanitary sewer datum of the Township of Abington.  
**The Record Plan shall provide a note indicating the reference datum based upon the Abington Township sanitary sewer datum used to obtain the elevations for this project. The sanitary sewer datum can be requested from the Abington Township Wastewater Utilities department.**
14. **Per §146-11.B.(8).(d).[1]&[2] – Existing Features Plan** – the existing features plan shall contain steep slope delineation by shading and notation of all areas of slope with 15% to 25% and areas greater than 25% slope.  
**There appears to be existing slopes that are greater than 15% located around the existing garage building. These slopes shall be delineated in the same manner as the other steep slopes identified and shown on the existing features plan.**
15. **Per §146-11.B.(11).(b) – Existing Features Plan** – the existing features plan shall contain vegetation resource identification of stand-alone trees with calipers of 10 inches or greater, measured at a point four feet above grade, with indication of which trees are to be removed and which are to remain.  
**The Applicant shall label the trees “TO REMAIN” or “TO BE REMOVED”.**  
  
**Per §146-11.G.(1) – Utility Plan** – The utility plan shall be superimposed on the basic layout plan and shall include the location, size, type and, where applicable, elevations of the following above and below ground, existing and proposed features and structures. **The Applicant has shown the proposed water and sanitary sewer service lines, and fire hydrant location on the plans. The Applicant shall also provide the proposed electric and gas service lines to each dwelling and streetlight on the plans.**
16. **Per §146-11.M.(1).(a) – Documentations** – a letter certifying the availability of public sanitary sewer facilities from the appropriate utility shall be provided.  
**The Applicant has indicated that a letter certifying the availability has been provided. Please provide a copy of the letter for our records.**
17. **Per §146-12 – Record Plan** – a record plan is required to be included in the plan set including all applicable seals per §146-12.B, all applicable acknowledgements per §146-12.C, all applicable approval notations and signatures per §146-12.D, and all applicable recording notations per §146-12.E. **The Applicant shall indicate and denote the plan sheets that are to be recorded on Sheet 1.**
18. **Per §146-24.E.(1) – Alignment** – A minimum sight distance of 300 feet for secondary streets and 200 feet for residential streets, measured at the center line and at driver’s eye height of four feet, shall be provided.  
**The Applicant shall provide the required and proposed sight distances on the plans.**
19. **Per §146-25.F – Intersections** – Proper sight lines shall be maintained at all intersections of streets. They shall be measured along the center line a minimum clear sight triangle of sixty-five (65) feet from the point of intersection. No buildings, trees, hedges, shrubbery, or other obstruction within the subdivision/land development will be permitted in this area.  
**The Applicant shall add the clear sight lines to the plans.**
20. **Per §146-27.B.(2) – Sidewalks and Curbs** – Sidewalks shall be constructed of concrete, four inches in



thickness, except at driveways, where the thickness shall be increased to six inches for the full width of the driveway.

**The Applicant shall provide details for the proposed sidewalk and driveway aprons showing the dimensions and specifications of these items.**

21. **Per §146-27.C – Sidewalks and Curbs** – Sidewalks shall be located between the curb and right-of-way line, six (6) inches from the property line.

**The sidewalk is currently located 2 feet from the proposed property lines. It appears that the Applicant will need to widen the roadway cartway towards the dwellings to meet the 30 feet roadway cartway requirement, and adjust the sidewalk accordingly.**

22. **Per §146-27.E – Sidewalks and Curbs** – At corners and other pedestrian street crossing points, sidewalks shall be extended to the curblin with ramps for adequate and reasonable access across curbs by physically handicapped persons, including those in wheelchairs.

**The existing curb and sidewalk condition along the site frontage on Cedar Road is in poor condition. We recommend that the Applicant replace the curb and sidewalk to meet current Township standards. In addition, the Applicant shall install ADA ramps with detectable warning surfaces along the Cedar Road (SR 2058) sidewalk at the intersection with Independence Circle.**

23. **Per §146-33.I – Drainage** – Stormwater roof drains and pipes shall not discharge water over a sidewalk but shall extend under the sidewalk to the gutter. Where storm drains are accessible, the roof drain shall be connected thereto.

**The Applicant shall show the location of the roof leader lines and drains on the plans to ensure compliance with this code requirement.**

24. **Per §146.38.A. – Streetlighting** – The subdivider/land developer shall submit a plan showing the type and location of each streetlight to be installed, and the plan shall also specify the supplier and installer of such lights. The plan will be submitted for review and approval by the township, and no streetlights shall be installed prior to such review and approval.

25. **Per §146.41.B.(4)(d) – Fire hydrants and fire connection** – A working hydrant shall be located within 500 feet of all buildings under construction. On-site hydrants and access roads shall be installed prior to and during construction. An unobstructed roadway with a stone base capable of supporting 30 tons shall be provided to allow passage of fire-fighting equipment to any building under construction.

**The Applicant is proposing a new fire hydrant at the end of the cul-de-sac in front of lot line of Lots 7 and 8. The location of the proposed fire hydrant exceeds the distance from the dwelling on Lot 1. There is an existing fire hydrant along Cedar Road (SR 2058) located at the far end of the adjacent parcel (345 Cedar Road). The Applicant shall show the existing fire hydrant along Cedar Road and confirm on the plans that the existing fire hydrant is located within the 500 feet distance to the proposed dwelling on Lot 1.**

26. **Per §146-43.A.(1) – Erosion and Sediment Control** – No change shall be made in the contour of the land nor shall grading, excavating, removal, or destruction of the topsoil, trees, or other vegetative cover of the land can be commenced until such time that a grading permit is applied for and approved.

27. **Per §146-44 – Steep Slopes** – Areas where the pre and post development slope is fifteen (15) percent

or more shall be shown on the preliminary and final plans as required by Article V of this chapter, and any development shall be in accordance with the steep-slope district of the Zoning Code of the Township of Abington.

**There appears to be additional existing steep slopes adjacent the existing garage, as well as steep slopes within the Valley Glen Condominium site. The Applicant shall delineate and label all steep slope areas shown on the plans.**

#### **CHAPTER 142** **STORMWATER MANAGEMENT COMMENTS**

28. **Per §142-302.B.(1).(m) – SWM Site Plan Contents** – The Applicant shall include the statement in this section of the code on the Stormwater Management Plan.

**The Applicant has included a statement on the plan but shall revise the statement to reflect the exact wording as shown in the above section of the code.**

29. **Per §142-302.B.(2).(a) – SWM Site Plan Requirements** – The Applicant shall prepare an existing resources and site analysis map (ERSAM) showing environmentally sensitive areas including, but not limited to, steep slopes, ponds, lakes, streams, wetlands, hydric soils, vernal pools, stream buffers, floodplains, hydrologic soil groups, topographic depressions, and recharge areas.

**The Applicant shall prepare an ERSAM plan or may consider requesting a partial waiver from this code section due to the size and scope of the project and no wetlands currently exist within the site.**

30. **Per §142-302.B.(2).(b).[25] – SWM Site Plan Requirements** – A statement, signed by the Applicant, acknowledging that any revision to the approved drainage plan must be approved by the Township and that a revised erosion and sediment control plan must be submitted to the County Conservation District for approval.

**The Applicant shall add this statement to the Post-Construction Stormwater Management Plan.**

31. **Per §142-409.B.(1).(b) Table 409.1T – Stormwater Peak Rate Control and Management Districts** - Based on Figure 1.03 Watershed Map, this site is located within the Tacony Area T watershed. Per Figure 409.1T Area T management District Watershed Map, this site is located within District B of this watershed. This district requires the 100-year post flow to be reduced to the 100-year pre, the 50-year post be reduced to the 25-year pre, the 25-year post be reduced to the 10-year pre, the 10-year post be reduced to the 5-year pre, the 5-year post be reduced to the 2-year pre, and the 2-year post be reduced to the 1-year pre.

**Based on the summary of peak flows chart provided in the Post Construction Stormwater Management Report on Page 15, the 5-year post flow is not reduced to the 2-year pre flow, and the 2-year post flow is not reduced to the 1-year pre flow. The Applicant will need to meet the specifications of the watershed district and provide the required reduced post development flows.**

#### **GENERAL STORMWATER MANAGEMENT COMMENTS**

32. Since this project will be disturbing more than an acre of land, a NPDES permit will be required for this project.

33. On the Existing Features & Demolition Plan, there is an existing 12" Perforated PVC Pipe that leads to the swale in the rear of the lot. The Applicant shall confirm the source of this existing pipe and indicate on the plan if the pipe will remain or to be removed.

34. The NPDES plan notes on Sheets 4 and 6 shall be corrected to note the nearest receiving surface water is Jenkintown Creek which is part of the Tacony Creek watershed and its designation, instead of the referenced Pennypack Creek.
35. The Raingarden Section Detail on Sheet 7 shall provide the 100-year storm water elevation which is currently not shown on the detail provided.
36. The Applicant shall confirm the bottom of the basin elevation. On the section detail, the basin bottom is labeled as 202 and the bottom of the amended soils elevation is also labeled as 202.
37. A profile for Storm Inlets 1 to 2 and Storm Inlets 3 to 4 shall be provided.
38. The Applicant is proposing an underground detention basin beneath the Independence Circle cul-de-sac. We do not recommend that an underground detention basin be located beneath a street that is intended to be dedicated to the Township due to perpetual operations and maintenance (O&M) beneath the roadway. We believe the Applicant may be able to omit one or two dwellings to accommodate both the rain garden and detention basin.

#### **GENERAL COMMENTS**

39. The Applicant shall add a label on all plan sheets to indicate the land development application number and type as "SD-21-03-Preliminary Major Subdivision and Land Development Plans".
40. Based on the "Typical Roadway Section for Township Roads" and the "Roadway Dedication checklist for Engineer's Approval" details on Sheet 7, it appears the Applicant intends to dedicate the proposed Independence Circle to the Township. The Applicant shall clarify and add notes to the plan on Sheet 1 the Applicant's intention to offer for dedication of the new roadway. We do not recommend acceptance of the roadway dedication until the roadway meets the required roadway dimensional requirements with no underground stormwater bmp beneath the roadway.
41. The Applicant shall clarify and note the intentions for the proposed storm and sanitary sewers, and streetlights to be dedicated to Abington Township.
42. The Applicant shall show the location of any walkways that are to be proposed for the dwelling units. This walkway area shall be accounted for in the impervious coverage calculation.
43. The Applicant shall provide a typical roadway detail for the proposed residential street, specifying the different pavement layer, materials, and depths.
44. The Applicant shall provide our office with legal descriptions and exhibits for each lot and stormwater easements for review and approval prior to the recording of the plans.
45. Please update the roadway detail reference referring to another municipality to Abington Township on Sheet 7.
46. Applicant shall provide roadway turning templates showing emergency vehicles and sanitation vehicles are able to adequately and safely maneuver into/out of the site entrance and at the cul-de-sac area.

**We have received the following documents/permits/reviews:**

- AQUA Water Will Serve Letter (August 19, 2019)
- Erosion & Sediment Control Report (November 22, 2021)
- Post Construction Stormwater Management Plan (November 22, 2021)
- Application for SD/LD (November 23, 2021)
- Waiver Request Letter (November 23, 2021)
- MCPC Request for Review Letter (November 23, 2021)
- Sanitary Sewer Availability Letter (December 6, 2021)
- Sanitary Sewer Easement Description & Exhibit (December 6, 2021)
- Fire Marshal Review Letter (December 7, 2021)

**We have not received the following documents/permits/reviews:**

- MCPC Review
- MCCD Review
- EAC Review
- STC Review
- NPDES Permit
- HOP Permit
- Financial Escrow
- BMP O&M Agreement
- Legal Descriptions & Exhibits

**SUMMARY**

**We do not recommend Preliminary Major Subdivision and Land Development Plans approval until the Applicant addresses the above referenced comments, in particular the Zoning comments. Once the zoning comments have been addressed, we will be in a better position to recommend Preliminary Subdivision Plan approval.**

If you have any questions or comments with this submittal, please do not hesitate to contact me.

Sincerely,

**PENNONI**



Khaled R. Hassan, PE  
Township Engineer

cc: Terry Castorina, Executive Assistant to the Township Manager  
Ashley McIlvaine, Special Assistant to the Township Manager



February 2, 2022

## MEMO

**To:** Lucy Strackhouse, Chair – Abington Township Planning Commission  
**From:** Abington Township Environmental Advisory Council and Shade Tree Commission  
**RE:** Yannesssa Property – Subdivision Plan - 365 Cedar Road, Elkins Park  
**Plan Set Date:** 11/21/2021

**EAC Review Date:** January 12, 2022

**STC Review Date:** January 11, 2022

### Site Summary

**Owner:** Paul Yannesssa

**Zone – R-2 – Low-Medium Density Residential District**

**Watershed –**East Branch Jenkintown Creek, Tookany/Tacony-Frankford

**Environmental Features:** Precautionary and Prohibitive Steep Slopes, Numerous Trees (one shown at 36” caliper)

**Proposal:** 8 Lot subdivision plan for single family detached houses – access via new Driveway and Cul-de-Sac

**Current Use –** Residential (Existing dwelling and garage, chicken coop, stone wall and misc. vegetation)

Dear Chairperson Strackhouse,

The members of the Abington Township Environmental Advisory Council (EAC) and Abington Township Shade Tree Commission (STC) have reviewed the above referenced subdivision plan and offer the following comments.

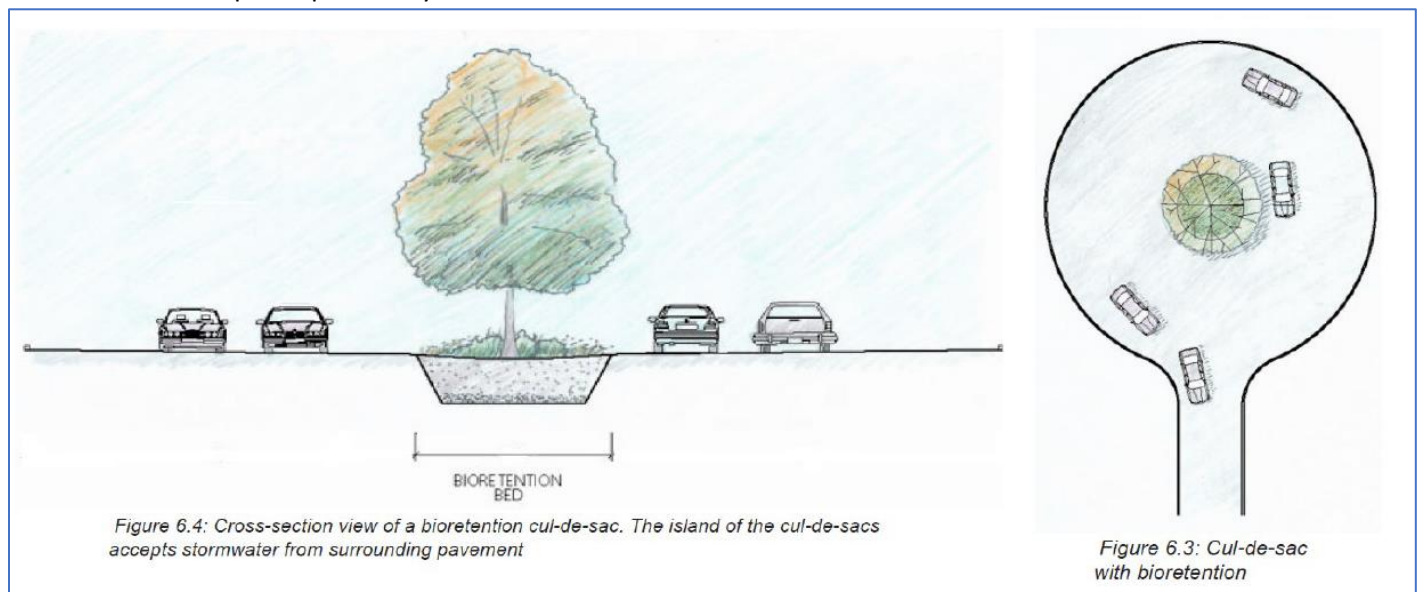
1. Existing Features Map needs to provide current inventory of trees  $\geq 10"$  DBH per SLDO 146.11 B. (11). Must indicate trees to be removed and comply with replacement provisions specified in Zoning Article 24, Section 2401 - Landscaping.
2. A registered Landscape Architect should prepare landscaping plan as per SLDO (recommend waiver be denied)
3. Building lots 1, 7 and 8 are located near or within areas identified as precautionary or prohibitive steep slopes. Reconsider placement (especially lot 7) to minimize disturbance as required under Zoning Article 16, Section 1603 – Steep Slope Conservation District – Protection Standards.
4. Proposed rain garden feature appears to be part of Lot 5 – Notes indicate **homeowner responsible for maintenance**. This is concerning as this will be managing runoff from a much larger area and needs to be maintained properly. Please see notes 5 and 6 below.
5. The rain garden feature appears to only include two species, Winterberry and Chokeberry. We encourage more species be included and recommend that a detailed rain garden design be submitted



for approval by township engineer. Specific maintenance instructions should also be provided to homeowner. Listed below are some additional species that could be considered based on site conditions and maintenance needs. Other appropriate rain garden species can be found at <https://extension.psu.edu/rain-gardens-the-plants>

Common Name	Botanical Name
Summersweet	Clethra alnifolia
Red twig dogwood	Cornus sericea
Butterfly Milkweed	Aesclepias tuberosa
Rose mallow	Hibiscus moscheutos
Blue Flag Iris	Iris versicolor

6. The NPDES notes on Sheet 6 (PCSM) indicate the wrong watershed area, so most likely a cut and paste standard rather than site specific. Should be corrected to reflect that site is in the TTF Watershed. In addition, the notes do not reflect proper maintenance guidelines for rain garden feature. As noted above, proper maintenance of this feature is essential and will be responsibility of homeowner.
7. Landscape plans - Sheet 11 - Recommend use of a native Sycamore Tree over the non-native London Plane tree and that more than one native street tree species should be included to promote diversity.
8. Recommend adding landscape buffer plantings along Cedar Road.
9. STC requests individual lot landscaping plans be submitted for review.
10. We encourage including a vegetative stormwater feature within the cul-de-sac circle, as long as emergency access radius is maintained and if approved by Fire Marshall. See illustration below for possible example. Current plans indicate underground stormwater storage system beneath the cul-de-sac, but no vegetative feature above. We were unsure if the intention is to form a homeowner's association that would then be responsible for road and stormwater infrastructure maintenance. If the Township accepts dedication of the road and cul-de-sac then maintenance of road and system would be township's responsibility.



1. Section and Plan Cul-de-Sac with Bio retention (Philadelphia Water Department)

**General Comments Related to New Construction:**

To support the Township's [Ready for 100](#) and [Climate Collaborative](#) resolutions and [Master Tree Action Plan](#) we recommend the developers employ energy efficiency and conservation measures such as white roof or green roofs, automated lighting controls, [constructing each home for Energy Star certification](#) to reap [Energy Star benefits](#) along with [Energy Star appliances](#) and [Water Sense](#) products, providing all electric building systems for HVAC, hot water and cooking instead of natural gas or other fossil fuels, and reducing energy use through integration with solar, geothermal or heat pumps and [other sustainable design and green building features](#). We also encourage developers to explore tools such as the U.S. Green Building Council's "[Assess and Increase Onsite Carbon Sequestration Through Plantings](#)." This pilot credit outlines how to use the free [I-Tree Inventory tool](#) to actually increase carbon sequestration by 10% after land development.

Thank you for consideration of our comments and recommendation and let us know if any questions.

Respectfully submitted,

*Jim Webb*

Jim Webb,  
Chair, Abington Township EAC

*Collin Watson*

Collin Watson,  
Chair, Abington Township STC

cc: Richard Manfredi  
Michael Narcowich  
Shaun Littlefield  
Planning Commission Members  
EAC Members  
Abington Shade Tree Commission Members

**MONTGOMERY COUNTY  
BOARD OF COMMISSIONERS**

VALERIE A. ARKOOSH, MD, MPH, CHAIR  
KENNETH E. LAWRENCE, JR., VICE CHAIR  
JOSEPH C. GALE, COMMISSIONER



**MONTGOMERY COUNTY DEPARTMENT  
OF HEALTH & HUMAN SERVICES**

OFFICE OF PUBLIC HEALTH  
PO Box 311 • NORRISTOWN, PA 19404-0311

610-278-5117  
FAX: 610-278-5167  
WWW.MONTCOPA.ORG/HHS

CHRISTINA N. MILLER, M.S.S.  
ADMINISTRATOR  
RICHARD S. LORRAINE, MD, FACP  
MEDICAL DIRECTOR

April 8, 2022

Abington Township  
Attn: Richard Manfredi, Manager  
1176 Old York Road  
Abington, PA 19001

Re: 365 Cedar Road Yannessa Subdivision  
Sewage Facilities Planning Module Component 4C  
Abington Township, Montgomery County, PA

Dear Mr. Manfredi:

The Montgomery County Department of Health & Human Services, Office of Public Health (OPH) has reviewed the Sewage Facilities Planning Module for 365 Cedar Road Yannessa Subdivision in Abington Township. The module was prepared by L.J. Byrne Engineering, LLC and a complete copy was received by OPH on April 5, 2022.

The Module proposes construction of eight (8) new single family dwellings on a 4.08 parcel. This proposal will generate 2,120 gallons per day of additional sewage flow that will be treated by the Philadelphia Northeast Water Pollution Control Facility. Drinking water will be provided by Aqua Water Company.

OPH has no objections to the proposed Sewage Facilities Planning Module, provided approval for increased flows is granted by the existing collection system.

If you have any further questions, please contact me at (610) 278-5117 ext. 6729.

Sincerely,

Dennis Tidwell  
Environmental Health Specialist/SEO  
Division of Water Quality Management  
dtidwell@montcopa.org

Enclosures

XC: Department of Environmental Protection  
L.J. Byrne Engineering, LLC  
John Pepper, Field Supervisor  
File

OFFICE OF PUBLIC HEALTH LOCATIONS

1430 DEKALB STREET • NORRISTOWN, PA 19404-0311 • PHONE: 610-278-5145 • FAX: 610-278-5166

364 KING STREET • POTTSTOWN, PA 19464 • PHONE: 610-970-5040 • FAX: 610-970-5048

102 YORK ROAD, SUITE 401 • WILLOW GROVE, PA 19090 • PHONE: 215-784-5415 • FAX: 215-784-5524





**Act 537 Sewage Facilities Planning Module**

**PADEP Code # 1-46001-252-3J**

**for**

**365 Cedar Road – Yannesssa Subdivision**

**Abington Township**

**Montgomery County, Pennsylvania**

**Prepared for**

**Paul Yannesssa**

**403 Longfield Road**

**Glenside, PA 19038**

**March 29, 2022**

**Prepared by**

**L. J. Byrne Engineering, LLC**

**333 East Street Road**

**Warminster, PA 18974**

**215-672-8671**

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- PADEP Checklist Letter dated 3/9/2022
- Transmittal letter for sewage facilities planning module
- Resolution for plan revision for new land development
- Component 4A Municipal Planning Agency Review (pending)
- Component 4B County Planning Agency Review (pending)
- Component 4C County Health Department Review (pending)
- Planning Module Component 3
- Capacity Certification Letters – Abington Township, City of Philadelphia Water Department (pending) Cheltenham Township Aqua Water (pending).
- Project Narrative
- Alternative Sewage Facilities Analysis
- Aqua Water Company Water availability letter dated 8/19/19
- USGS Location Map
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- PA Historical and Museum Commission Letter (pending)
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- Site Plans

## Checklist



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

### Completeness Checklist

The individual completing the component should use the checklist below to assure that all items are included in the module package. The municipality should confirm that the required items have been included within 10 days of receipt, and if complete, sign and date the checklist.

#### Sewage Collection and Treatment Facilities

- ☒ Name and Address of land development project.
- ☒ U.S.G.S. 7.5 minute topographic map with development area plotted.
- ☒ Project Narrative.
- ☒ Letter from water company (if applicable).
- ☒ Alternative Analysis Narrative.
- ☒ Details of chosen financial assurance method.
- ☐ Proof of Public Notification (if applicable). **N/A**
- ☒ Name of existing collection and conveyance facilities.
- ☒ Name and NPDES number of existing treatment facility to serve proposed development.
- ☒ Plot plan of project with required information.
- ☒ Total sewage flows to facilities table.
- ☒ Signature of existing collection and/or conveyance Chapter 94 report preparer.
- ☒ Signature of existing treatment facility Chapter 94 report preparer.
- ☒ Letter granting allocation to project (if applicable).
- ☒ Signature acknowledging False Swearing Statement.
- ☒ Completed Component 4 (Planning Agency Review) for each existing planning agency and health department.
- ☒ Information on selected treatment and disposal option.
- ☐ Permeability information (if applicable). **N/A**
- ☐ Preliminary hydrogeology (if applicable). **N/A**
- ☐ Detailed hydrogeology (if applicable). **N/A**

#### Municipal Action

- ☐ Component 3 (Sewage Collection and Treatment Facilities).
- ☐ Component 4 (Planning Agency Comments and Responses).
- ☐ Proof of Public Notification.
- ☐ Long-term operation and maintenance option selection.
- ☐ Comments, and responses to comments generated by public notification.
- ☐ Transmittal Letter

\_\_\_\_\_  
Signature of Municipal Official

\_\_\_\_\_  
Date submittal determined complete



**SENT VIA ELECTRONIC MAIL ONLY**

March 9, 2022

Mr. George Wrigley, Director  
Abington Wastewater Utilities  
1176 Old York Road  
Abington, PA 19001

Re: Checklist Letter – Component 3 Planning Module  
365 Cedar Road Subdivision (Yannessa Subdivision)  
DEP Code No. 1-46001-252-3J  
Abington Township  
Montgomery County

Dear Mr. Wrigley:

In response to the application mailer, this checklist letter outlines what is required to be submitted to the municipality and the Department of Environmental Protection (“DEP”) as a complete module packet for the proposed subdivision. The project proposes to subdivide the existing parcel into eight (8) single-family dwellings on four (4) acres. The project will be served by public sewers. The project is located at 365 Cedar Road, in Abington Township, Montgomery County on Tax Map Parcel 30-00-07112-00-4.

This project has been identified as being located within the Cheltenham Township service area. This area has limited sewer capacity available. As such, the applicant must obtain capacity on the connections management plan prior to submitting the planning module to DEP.

Sewage Facilities Planning Module forms are available online at [www.dep.pa.gov](http://www.dep.pa.gov). At the top of the page, select *Businesses*, then *Water*. On the right-side of the page, select the following: *Bureau of Clean Water*; *Wastewater Management*; *Act 537*; and *Sewage Facilities Planning*. Select the appropriate forms from the center of the page.

Please select the following forms for this project and enter the above referenced DEP Code Number on the first page of each form:

Sewage Facilities Planning Module Transmittal Letter, Form 3850-FM-BCW0355

Sewage Facilities Planning Module Resolution, Form 3850-FM-BCW0356

Sewage Facilities Planning Module Component 3, Form 3800-FM-BPNPSM0353

- Instructions
- Form

Sewage Facilities Planning Module Component 4

- 4A-Municipal Planning Agency Review, Form 3850-FM-BCW0362A
- 4B-County Planning Agency Review, Form 3850-FM-BCW0362B
- 4C-County or Joint Health Department Review, Form 3850-FM-BCW0362C



Mr. George Wrigley, Director

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Please submit the completed planning modules and supporting information to the municipality or municipalities in which the project is located. DEP must receive 1 electronic copy of the completed planning module. Instructions for electronic document submittal through the DEP OnBase Electronic Upload Form can be found on the DEP website at

<https://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx>.

Please answer all questions within the planning module. Do not simply answer "N/A" or "Not Applicable". If you feel a question does not apply, explain all reasons to support that answer. For this project, Section J must be completed.

Please pay careful attention to the public notification requirements in the planning module forms, the instructions for completing the planning modules, and Chapter 71, Section 71.53. Be advised that Section 71.53(d)(6) and Item 10 in Section P of Component 3 require public notification when the proposal involves one or more of the following:

1. The project is inconsistent with Chapter 94 municipal wasteload management plans submitted to DEP.
2. The project proposes a point source discharge into high quality or exceptional value waters.
3. Potential conflicts have been identified by the Pennsylvania Natural Diversity Inventory and are not resolved by the appropriate agency. Please note that publication is required even if a mitigation plan is in place.
4. Potential conflicts with historical resources have been identified by the Pennsylvania Historical and Museum Commission.
5. The project proposes sewage facilities that will encroach on wetlands.
6. The applicant, the municipality, or one of the reviewing agencies has identified conflicts with prime agricultural land policies.
7. The project has conflicts with municipal or county comprehensive plans.

Please refer to the Standard Operating Procedures (SOP) that govern Act 537 sewage facilities planning module reviews. The SOPs can be found on the DEP website at

<http://www.dep.pa.gov/Business/ProgramIntegration/DecisionGuarantee/Pages/StandardOperatingProcedures.aspx>. Consistent with the SOP, DEP may disapprove an administratively incomplete planning module submission. Please use the checklist provided in this letter below to guide both you and the municipality in providing an administratively complete planning module submission to DEP for review.

A copy of this letter should be attached to the planning module when submitted through the municipality to DEP. This letter is to be used by the applicant (or the applicant's authorized representative) as a checklist and guide to completing the planning modules and does not supersede the rules and regulations found in

Mr. George Wrigley, Director

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Chapter 71. The municipality must submit a complete module package. (See end of letter for applicant and municipal certification statements.)

In all cases, address the immediate and long-range sewage disposal needs of the proposal and comply with 25 Pa. Code, Chapter 71, Subchapter C relating to New Land Development Plan Revisions.

If you have any questions concerning the information required, please contact me at 484.250.5186

Sincerely,



Stefanie Rittenhouse-Loughery  
Sewage Planning Specialist 2  
Clean Water

cc: Montgomery County Health Department  
Montgomery County Planning Commission  
L.J. Byrne Engineering, LLC  
Abington Township  
Cheltenham Township  
Mr. Ponert – City of Philadelphia Water Department  
Planning Section  
Re

Mr. George Wrigley, Director

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March 9, 2022

Applicant Checklist (✓ or N/A)	Materials Required to be Included in the Planning Package	DEP Completeness Review
<b>DEP Checklist Letter</b>		
✗	DEP checklist letter is attached with items checked off by the applicant (or applicant's authorized representative) as included	
	DEP checklist letter certification statement completed and signed	
<b>Transmittal Letter (Form 3800-FM-BPNPSM0355)</b>		
	Transmittal Letter is attached, completed and the appropriate boxes in Section (i) are checked.	
	Transmittal Letter is signed by the municipal secretary	
<b>Resolution of Adoption (Form 3800-FM-BPNPSM0356)</b>		
	Resolution of Adoption is attached and completed	
	Resolution of Adoption is signed by the municipal secretary	
	Resolution of Adoption has a visible municipal seal	
<b>Component 4A - Municipal Planning Agency Review (Form 3800-FM-BPNPSM0362A)</b>		
	Component 4A is attached, completed and signed	
	Municipal Responses to Component 4A comments are included	
<b>Component 4B – County Planning Agency Review (Form 3800-FM-BPNPSM0362B)</b>		
	Component 4B is attached, completed and signed	
	Municipal Responses to Component 4B comments are included	
<b>Component 4C – County or Joint Health Department Review (Form 3800-FM-BPNPSM0362C)</b>		
	Component 4C is attached, completed and signed	
	Municipal Responses to Component 4C comments are included	
<b>Component 3 Sewage Facilities Planning Module (Form 3800-FM-BPNPSM0353)</b>		
<b>Section A: Project Information</b>		
✗	Section A.1. The Project Name is completed	
✗	Section A.2. The Brief Project Description is completed	
<b>Section B: Client Information</b>		
✗	Client Information is completed	
<b>Section C: Site Information</b>		
✗	Site Information is completed	
✗	A copy of the 7.5 minute USGS Topographic map is attached with the development site outlined, as required by the instructions and the checklist	
<b>Section D: Project Consultant Information</b>		
✗	Project Consultant Information is completed	
<b>Section E: Availability of Drinking Water Supply</b>		
✗	The appropriate box is checked in Section E	
✗	For existing public water supplies, the name of the company is provided	

Mr. George Wrigley, Director

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X	For public water supplies, the certification letter from the public water company is attached	
<i>Section F: Project Narrative</i>		
X	The Project Narrative is attached	
X	All information required in the module directions has been addressed	
<i>Section G: Proposed Wastewater Disposal Facilities</i>		
	Section G.1.a. The collection system boxes are checked	
	The Pennsylvania Clean Streams Law (CSL) permit number is provided for existing systems	
	Section G.1.b. The questions on the collection system are completed	
	Section G.2.a. The appropriate treatment facility box is checked	
	For existing treatment facilities, the name is provided	
	For existing treatment facilities, the NPDES permit number is provided	
	For existing treatment facilities, the CSL permit number is provided	
	For new treatment facilities, the discharge location is provided	
	Section G.2.b. The certification statement has been completed and signed by the wastewater treatment facility permittee or their representative	
	Section G.3. The plot plan is attached and contains all items in the module instructions under Section G.3	
	The plot plan will show the proposed sewer facilities, sewer extension and/or point of connection to the existing sewer line or point of discharge	
	Copies of easement(s) or right-of-way(s) are attached	
	Section G.4. The boxes are checked regarding Wetland Protection	
	Section G.5. The boxes are checked regarding Primary Agricultural Land	
	Section G.6. The boxes are checked confirming consistency with the Historic Preservation Act	
	The Cultural Resources Notice (CRN) (Form 0120-PM-PY0003) is attached	
	A return receipt for its submission to the PHMC is attached	
	The PHMC review letter is attached	
X	Section G.7. The boxes are checked regarding Pennsylvania Natural Diversity Inventory (PNDI)	
X	Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt is attached	
X	PNDI Review Receipt, if no potential impacts identified, is not older than 2 years	



Mr. George Wrigley, Director

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	All supporting resolution documentation from jurisdictional agencies (when necessary) is attached and not older than 2 years	
	A completed PNDI Large Project Form (PNDI Form) (Form 8100-FM-FR0161) is attached with all supplemental materials and DEP is requested to complete the search.	
<i>Section H: Alternative Sewage Facilities Analysis</i>		
X	The Alternative Sewage Facilities Analysis is attached	
X	All information required in the module directions has been addressed	
<i>Section I: Compliance with Water Quality Standards and Effluent Limitations</i>		
X	The box is checked regarding Waters Designated for Special Protection	
X	The Social or Economic Justification is attached	
X	The box is checked regarding Pennsylvania Waters Designated As Impaired	
X	The box is checked regarding Interstate and International Waters	
X	The box is checked regarding Tributaries to the Chesapeake Bay and the required information is provided	
X	The Name of Permittee Agency, Authority, Municipality and the Initials of Responsible Agent are provided	
	If discharge to an intermittent stream, dry swale or manmade ditch is proposed, provide evidence that a certified letter has been sent to each owner of property over which the discharge will flow until perennial conditions are met	
<i>Section J: Chapter 94 Consistency Determination</i>		
X	A map showing the path of the sewage to the treatment facility and the location of the discharge is provided	
	Section J.1. The Project Flows are provided	
	Section J.2. The permitted, existing, and projected average and peak flows are provided in the table for collection, conveyance and treatment facilities	
	Section J.3.a. The appropriate box is checked indicating capacity in the Collection and Conveyance Facilities	
	Section J.3.b. The Collection System information is completed, signed and dated	
	Section J.3.b. The Conveyance System information is completed, signed and dated	
	Section J.4.a. The appropriate box is checked regarding projected overloads at the Treatment Facility	
	Section J.4.b. The Treatment Facility information is completed, signed and dated	
	The Permittee of the wastewater treatment facility has submitted a Chapter 94 Wasteload Management Report, which includes the information for the collection and conveyance system to serve this project	

Mr. George Wrigley, Director

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	An acceptable Wasteload Management Report Corrective Action Plan (CAP) and schedule has been submitted, as well as a connection management plan	
	A letter from the permittee, which grants allocations to the project consistent with the CAP, and a copy of the connection management plan has been submitted	
	Letter indicating the treatment plant is an interim regional treatment facility is attached	
<i>Section K: Treatment and Disposal Options</i>		
	For proposed treatment facilities, the appropriate box is checked indicating the selected Treatment and Disposal Option	
<i>Section L: Permeability Testing</i>		
	The Permeability Testing information is attached	
<i>Section M: Preliminary Hydrogeologic Study</i>		
	The Preliminary Hydrogeologic Study is attached	
	The Preliminary Hydrogeologic Study is signed and sealed by a Professional Geologist	
<i>Section N: Detailed Hydrogeologic Study</i>		
	The Detailed Hydrogeologic Study is attached	
	The Detailed Hydrogeologic Study is signed and sealed by a Professional Geologist	
<i>Section O: Sewage Management</i>		
	Section O.1. The box is checked indicating municipal or private facilities	
	If municipal, the remainder of Section O is not applicable	
	If private, the required analysis and evaluation of sewage management options is attached	
	Section O.2. The appropriate box is checked regarding the use of nutrient credits or offsets	
	Section O.3. The Project Flows for the private facilities are provided	
	Section O.4.a. The appropriate box is checked indicating capacity in the existing private Collection and Conveyance Facilities	
	Section O.4.b. The private Collection System information is completed, signed and dated	
	Section O.4.c. The private Conveyance System information is completed, signed and dated	
	Section O.5.a. The appropriate box is checked regarding projected overloads at the private Treatment Facility	
	Section O.5.b. The private Treatment Facility information is completed, signed and dated	
	Section O.6. The box is checked indicating the municipality will assure proper operation and maintenance of the proposed private facilities	

Mr. George Wrigley, Director

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	The required documentation of sewage management is attached	
<i>Section P: Public Notification Requirement</i>		
X	All Public Notification boxes in this section are checked	
	The public notice is attached, if public notification is necessary	
	All comments received as a result of the notice are attached	
	The municipal responses to these comments are attached	
	The box is checked indicating that no comments were received, if valid	
<i>Section Q: False Swearing Statements</i>		
X	The planning module preparer's false swearing statement is completed and signed	
<i>Section R: Planning Module Review Fee</i>		
	The correct fee has been calculated	
	The correct fee has been paid	
	The request for fee exemption has been checked	
	The deed reference information is provided to support the fee exemption	
<i>Completeness Checklist</i>		
	The module completeness checklist is included	
	All completeness items have been checked as included by the municipality, as appropriate	
	The Municipal Official has signed and dated the checklist	

**CERTIFICATION STATEMENT**

I certify that this submittal is complete and includes all requested items. I understand that failure to submit a complete module package may result in a denial of the application.

Signed: \_\_\_\_\_  
**Applicant (or Applicant's authorized representative)**

Date: \_\_\_\_\_

Signed: \_\_\_\_\_  
**Municipal Secretary**

Date: \_\_\_\_\_



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

**TRANSMITTAL LETTER  
FOR SEWAGE FACILITIES PLANNING MODULE**

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) USE ONLY				
DEP CODE # 1-46001-252-3J	CLIENT ID #	SITE ID #	APS ID #	AUTH. ID #

TO: Approving Agency (DEP or delegated local agency)

Date \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by Lawrence J. Byrne

(Name)

Professional Engineer \_\_\_\_\_ for 365 Cedar Road Yannesssa Subdivision

(Title)

(Name)

a subdivision, commercial, or industrial facility located in Abington Township

Montgomery County.

(City, Borough, Township)

**Check one**

- ☒ (i) The planning module, as prepared and submitted by the applicant, is approved by the municipality as a proposed ☒ revision ☐ supplement for new land development to its Official Sewage Facilities Plan (Official Plan), and is ☒ adopted for submission to DEP ☐ transmitted to the delegated LA for approval in accordance with the requirements of 25 Pa. Code Chapter 71 and the *Pennsylvania Sewage Facilities Act* (35 P.S. §750),

OR

- ☐ (ii) The planning module will not be approved by the municipality as a proposed revision or supplement for new land development to its Official Plan because the project described therein is unacceptable for the reason(s) checked below:

**Check Boxes**

- ☐ Additional studies are being performed by or on behalf of this municipality which may have an effect on the planning module as prepared and submitted by the applicant. Attached hereto is the scope of services to be performed and the time schedule for completion of said studies.
- ☐ The planning module as submitted by the applicant fails to meet limitations imposed by other laws or ordinances, officially adopted comprehensive plans and/or environmental plans (e.g., zoning, land use, 25 Pa. Code Chapter 71). Specific reference or applicable segments of such laws or plans are attached hereto.
- ☐ Other (attach additional sheet giving specifics).

**Municipal Secretary:** Indicate below by checking appropriate boxes which components are being transmitted to the approving agency.

- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Resolution of Adoption                   | <input checked="" type="checkbox"/> 3 Sewage Collection/Treatment Facilities | <input checked="" type="checkbox"/> 4A Municipal Planning Agency Review         |
| <input checked="" type="checkbox"/> Module Completeness Checklist            | <input type="checkbox"/> 3s Small Flow Treatment Facilities                  | <input checked="" type="checkbox"/> 4B County Planning Agency Review            |
| <input type="checkbox"/> 2 Individual and Community Onlot Disposal of Sewage |  | <input checked="" type="checkbox"/> 4C County or Joint Health Department Review |

Municipal Secretary (print)

Signature

Date



## RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

RESOLUTION OF THE (SUPERVISORS) (COMMISSIONERS) (COUNCILMEN) of Abington  
 (TOWNSHIP) (BOROUGH) (CITY), Montgomery COUNTY, PENNSYLVANIA (hereinafter "the municipality").

**WHEREAS** Section 5 of the Act of January 24, 1966, P.L. 1535, No. 537, known as the *Pennsylvania Sewage Facilities Act*, as Amended, and the rules and Regulations of the Pennsylvania Department of Environmental Protection (DEP) adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, require the municipality to adopt an Official Sewage Facilities Plan providing for sewage services adequate to prevent contamination of waters of the Commonwealth and/or environmental health hazards from sewage wastes, and to revise said plan whenever it is necessary to determine whether a proposed method of sewage disposal for a new land development conforms to a comprehensive program of pollution control and water quality management, and

**WHEREAS** Paul Yannessa has proposed the development of a parcel of land identified as  
 land developer

365 Cedar Road Yannessa Subdivision, and described in the attached Sewage Facilities Planning Module, and  
 name of subdivision

proposes that such subdivision be served by: (check all that apply), ☐ sewer tap-ins, ☒ sewer extension, ☐ new treatment facility, ☐ individual onlot systems, ☐ community onlot systems, ☐ spray irrigation, ☐ retaining tanks, ☐ other, (please specify). \_\_\_\_\_

**WHEREAS**, Abington Township finds that the subdivision described in the attached  
 municipality

Sewage Facilities Planning Module conforms to applicable sewage related zoning and other sewage related municipal ordinances and plans, and to a comprehensive program of pollution control and water quality management.

**NOW, THEREFORE, BE IT RESOLVED** that the (Supervisors) (Commissioners) (Councilmen) of the (Township) (Borough) (City) of Abington hereby adopt and submit to DEP for its approval as a revision to the "Official Sewage Facilities Plan" of the municipality the above referenced Sewage Facilities Planning Module which is attached hereto.

I \_\_\_\_\_, Secretary, \_\_\_\_\_  
 (Signature)

Township Board of Supervisors (Borough Council) (City Councilmen), hereby certify that the foregoing is a true copy of the Township (Borough) (City) Resolution # \_\_\_\_\_, adopted, \_\_\_\_\_, 20\_\_\_\_.

Municipal Address:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Seal of  
 Governing Body

Telephone \_\_\_\_\_



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

## INSTRUCTIONS FOR COMPLETING COMPONENT 4A MUNICIPAL PLANNING AGENCY REVIEW

*Remove and recycle these instructions prior to mailing component to the approving agency.*

### Background

This component, Component 4, is used to obtain the comments of planning agencies and/or health departments having jurisdiction over the project area. It is used in conjunction with other planning module components appropriate to the characteristics of the project proposed.

### Who Should Complete the Component?

The component should be completed by any existing municipal planning agency, county planning agency, planning agency with areawide jurisdiction, and/or health department having jurisdiction over the project site. It is divided into sections to allow for convenient use by the appropriate agencies.

The project sponsor must forward copies of this component, along with supporting components and data, to the appropriate planning agency(ies) and health department(s) (if any) having jurisdiction over the development site. These agencies are responsible for responding to the questions in their respective sections of Component 4, as well as providing whatever additional comments they may wish to provide on the project plan. After the agencies have completed their review, the component will be returned to the applicant. The agencies have 60 days in which to provide comments to the applicant. If the agencies fail to comment within this 60 day period, the applicant may proceed to the next stage of the review without the comments. The use of registered mail or certified mail (return receipt requested) by the applicant when forwarding the module package to the agencies will document a date of receipt.

After receipt of the completed Component 4 from the planning agencies, or following expiration of the 60 day period without comments, the applicant must submit the entire component package to the municipality having jurisdiction over the project area for review and action. If approved by the municipality, the proposed plan, along with the municipal action, will be forwarded to the approving agency (Department of Environmental Protection or delegated local agency). The approving agency, in turn, will either approve the proposed plan, return it as incomplete, or disapprove the plan, based upon the information provided.

### *Instructions for Completing Planning Agency and/or Health Department Review Component*

#### Section A. Project Name

Enter the project name as it appears on the accompanying sewage facilities planning module component (Component 2, 2m, 3, 3s or 3m).

#### Section B. Review Schedule

Enter the date the package was received by the reviewing agency, and the date that the review was completed.

#### Section C. Agency Review

1. Answer the yes/no questions and provide any descriptive information necessary on the lines provided. Attach additional sheets, if necessary.
2. Complete the name, title, and signature block.

#### Section D. Additional Comments

The Agency may provide whatever additional comment(s) it deems necessary, as described in the form. Attach additional sheets, if necessary.



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

DEP Code #:  
1-46001-252-3J

**SEWAGE FACILITIES PLANNING MODULE**  
**COMPONENT 4A - MUNICIPAL PLANNING AGENCY REVIEW**

**Note to Project Sponsor:** To expedite the review of your proposal, one copy of your completed planning module package and one copy of this *Planning Agency Review Component* should be sent to the local municipal planning agency for their comments.

**SECTION A. PROJECT NAME** (See Section A of instructions)

Project Name

365 Cedar Road Yannessa Subdivision

**SECTION B. REVIEW SCHEDULE** (See Section B of instructions)

1. Date plan received by municipal planning agency \_\_\_\_\_
2. Date review completed by agency \_\_\_\_\_

**SECTION C. AGENCY REVIEW** (See Section C of instructions)

- | Yes                      | No                       |   |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, <i>et seq.</i> )?               |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Is this proposal consistent with the comprehensive plan for land use?<br>If no, describe the inconsistencies _____                     |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Is this proposal consistent with the use, development, and protection of water resources?<br>If no, describe the inconsistencies _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Is this proposal consistent with municipal land use planning relative to Prime Agricultural Land Preservation?                         |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Does this project propose encroachments, obstructions, or dams that will affect wetlands?<br>If yes, describe impacts _____            |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. Will any known historical or archaeological resources be impacted by this project?<br>If yes, describe impacts _____                   |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Will any known endangered or threatened species of plant or animal be impacted by this project?<br>If yes, describe impacts _____      |
| <input type="checkbox"/> | <input type="checkbox"/> | 8. Is there a municipal zoning ordinance?   |
| <input type="checkbox"/> | <input type="checkbox"/> | 9. Is this proposal consistent with the ordinance?<br>If no, describe the inconsistencies _____   |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance?                                 |
| <input type="checkbox"/> | <input type="checkbox"/> | 11. Have all applicable zoning approvals been obtained?   |
| <input type="checkbox"/> | <input type="checkbox"/> | 12. Is there a municipal subdivision and land development ordinance?  |

**SECTION C. AGENCY REVIEW (continued)****Yes****No**☐☐

13. Is this proposal consistent with the ordinance?

If no, describe the inconsistencies \_\_\_\_\_

☐☐

14. Is this plan consistent with the municipal Official Sewage Facilities Plan?

If no, describe the inconsistencies \_\_\_\_\_

☐☐

15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?

If yes, describe \_\_\_\_\_

☐☐

16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?

☐☐

If yes, is the proposed waiver consistent with applicable ordinances?

If no, describe the inconsistencies \_\_\_\_\_

17. Name, title and signature of planning agency staff member completing this section:

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name of Municipal Planning Agency: Abington Township Planning CommissionAddress 1176 Old York Road Abington PA, 19001Telephone Number: 267-536-1000**SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)**

This component does not limit municipal planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.

The planning agency must complete this component within 60 days.

This component and any additional comments are to be returned to the applicant.





## INSTRUCTIONS FOR COMPLETING COMPONENT 4B COUNTY PLANNING AGENCY REVIEW (or Planning Agency with Areawide Jurisdiction)

***Remove and recycle these instructions prior to mailing component to the approving agency.***

### Background

This component, Component 4, is used to obtain the comments of planning agencies and/or health departments having jurisdiction over the project area. It is used in conjunction with other planning module components appropriate to the characteristics of the project proposed.

### Who Should Complete the Component?

The component should be completed by any existing municipal planning agency, county planning agency, planning agency with areawide jurisdiction, and/or health department having jurisdiction over the project site. It is divided into sections to allow for convenient use by the appropriate agencies.

The project sponsor must forward copies of this component, along with supporting components and data, to the appropriate planning agency(ies) and health department(s) (if any) having jurisdiction over the development site. These agencies are responsible for responding to the questions in their respective sections of Component 4, as well as providing whatever additional comments they may wish to provide on the project plan. After the agencies have completed their review, the component will be returned to the applicant. The agencies have 60 days in which to provide comments to the applicant. If the agencies fail to comment within this 60 day period, the applicant may proceed to the next stage of the review without the comments. The use of registered mail or certified mail (return receipt requested) by the applicant when forwarding the module package to the agencies will document a date of receipt.

After receipt of the completed Component 4 from the planning agencies, or following expiration of the 60 day period without comments, the applicant must submit the entire component package to the municipality having jurisdiction over the project area for review and action. If approved by the municipality, the proposed plan, along with the municipal action, will be forwarded to the approving agency (Department of Environmental Protection or delegated local agency). The approving agency, in turn, will either approve the proposed plan, return it as incomplete, or disapprove the plan, based upon the information provided.

### *Instructions for Completing Planning Agency and/or Health Department Review Component*

#### Section A. Project Name

Enter the project name as it appears on the accompanying sewage facilities planning module component (Component 2, 3, 3s or 3m).

#### Section B. Review Schedule

Enter the date the package was received by the reviewing agency, and the date that the review was completed.

#### Section C. Agency Review

1. Answer the yes/no questions and provide any descriptive information necessary on the lines provided. Attach additional sheets, if necessary.
2. Complete the name, title, and signature block.

#### Section D. Additional Comments

The Agency may provide whatever additional comment(s) it deems necessary, as described in the form. Attach additional sheets, if necessary.

## SEWAGE FACILITIES PLANNING MODULE COMPONENT 4B - COUNTY PLANNING AGENCY REVIEW

(or Planning Agency with Areawide Jurisdiction)

**Note to Project Sponsor:** To expedite the review of your proposal, one copy of your completed planning package and one copy of this *Planning Agency Review Component* should be sent to the county planning agency or planning agency with areawide jurisdiction for their comments.

### SECTION A. PROJECT NAME (See Section A of instructions)

Project Name

365 Cedar Road Yannessa Subdivision

### SECTION B. REVIEW SCHEDULE (See Section B of instructions)

1. Date plan received by county planning agency \_\_\_\_\_
2. Date plan received by planning agency with areawide jurisdiction \_\_\_\_\_  
 Agency name \_\_\_\_\_
3. Date review completed by agency \_\_\_\_\_

### SECTION C. AGENCY REVIEW (See Section C of instructions)

- | Yes                      | No                       |  |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. Is there a county or areawide comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101 <i>et seq.</i> )?  |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Is this proposal consistent with the comprehensive plan for land use?   |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Does this proposal meet the goals and objectives of the plan?<br>If no, describe goals and objectives that are not met _____  |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Is this proposal consistent with the use, development, and protection of water resources?<br>If no, describe inconsistency _____  |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Is this proposal consistent with the county or areawide comprehensive land use planning relative to Prime Agricultural Land Preservation?<br>If no, describe inconsistencies: _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. Does this project propose encroachments, obstructions, or dams that will affect wetlands?<br>If yes, describe impact _____  |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Will any known historical or archeological resources be impacted by this project?<br>If yes, describe impacts _____   |
| <input type="checkbox"/> | <input type="checkbox"/> | 8. Will any known endangered or threatened species of plant or animal be impacted by the development project?<br>If yes, describe impacts _____  |
| <input type="checkbox"/> | <input type="checkbox"/> | 9. Is there a county or areawide zoning ordinance?   |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. Does this proposal meet the zoning requirements of the ordinance?<br>If no, describe inconsistencies _____   |

**SECTION C. AGENCY REVIEW (continued)**

Yes No

- ☐ ☐ 11. Have all applicable zoning approvals been obtained?
- ☐ ☐ 12. Is there a county or areawide subdivision and land development ordinance?
- ☐ ☐ 13. Does this proposal meet the requirements of the ordinance?  
If no, describe which requirements are not met \_\_\_\_\_
- ☐ ☐ 14. Is this proposal consistent with the municipal Official Sewage Facilities Plan?  
If no, describe inconsistency \_\_\_\_\_
- ☐ ☐ 15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?  
If yes, describe \_\_\_\_\_
- ☐ ☐ 16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
- ☐ ☐ If yes, is the proposed waiver consistent with applicable ordinances.  
If no, describe the inconsistencies \_\_\_\_\_
- ☐ ☐ 17. Does the county have a stormwater management plan as required by the Stormwater Management Act?
- ☐ ☐ If yes, will this project plan require the implementation of storm water management measures?
18. Name, Title and signature of person completing this section:
- Name: \_\_\_\_\_
- Title: \_\_\_\_\_
- Signature: \_\_\_\_\_
- Date: \_\_\_\_\_
- Name of County or Areawide Planning Agency: Montgomery County Planning Commission
- Address: \_\_\_\_\_
- Telephone Number: \_\_\_\_\_

**SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)**

This component does not limit county planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.

The county planning agency must complete this component within 60 days.

This component and any additional comments are to be returned to the applicant.



## INSTRUCTIONS FOR COMPLETING COMPONENT 4C COUNTY OR JOINT HEALTH DEPARTMENT REVIEW

*Remove and recycle these instructions prior to mailing component to the approving agency.*

### Background

This component, Component 4, is used to obtain the comments of planning agencies and/or health departments having jurisdiction over the project area. It is used in conjunction with other planning module components appropriate to the characteristics of the project proposed.

### Who Should Complete the Component?

The component should be completed by any existing municipal planning agency, county planning agency, planning agency with areawide jurisdiction, and/or health department having jurisdiction over the project site. It is divided into sections to allow for convenient use by the appropriate agencies.

The project sponsor must forward copies of this component, along with supporting components and data, to the appropriate planning agency(ies) and health department(s) (if any) having jurisdiction over the development site. These agencies are responsible for responding to the questions in their respective sections of Component 4, as well as providing whatever additional comments they may wish to provide on the project plan. After the agencies have completed their review, the component will be returned to the applicant. The agencies have 60 days in which to provide comments to the applicant. If the agencies fail to comment within this 60 day period, the applicant may proceed to the next stage of the review without the comments. The use of registered mail or certified mail (return receipt requested) by the applicant when forwarding the module package to the agencies will document a date of receipt.

After receipt of the completed Component 4 from the planning agencies, or following expiration of the 60 day period without comments, the applicant must submit the entire component package to the municipality having jurisdiction over the project area for review and action. If approved by the municipality, the proposed plan, along with the municipal action, will be forwarded to the approving agency (Department of Environmental Protection or delegated local agency). The approving agency, in turn, will either approve the proposed plan, return it as incomplete, or disapprove the plan, based upon the information provided.

### *Instructions for Completing Planning Agency and/or Health Department Review Component*

#### **Section A. Project Name**

Enter the project name as it appears on the accompanying sewage facilities planning module component (Component 2, 2m, 3, 3s or 3m).

#### **Section B. Review Schedule**

Enter the date the package was received by the reviewing agency, and the date that the review was completed.

#### **Section C. Agency Review**

1. Answer the yes/no questions and provide any descriptive information necessary on the lines provided. Attach additional sheets, if necessary.
2. Complete the name, title, and signature block.

#### **Section D. Additional Comments**

The Agency may provide whatever additional comment(s) it deems necessary, as described in the form. Attach additional sheets, if necessary.

## SEWAGE FACILITIES PLANNING MODULE

### COMPONENT 4C - COUNTY OR JOINT HEALTH DEPARTMENT REVIEW

**Note to Project Sponsor:** To expedite the review of your proposal, one copy of your completed planning module package and one copy of this *Planning Agency Review Component* should be sent to the county or joint county health department for their comments.

#### SECTION A. PROJECT NAME (See Section A of instructions)

Project Name

365 Cedar Road Yannessa Subdivision

#### SECTION B. REVIEW SCHEDULE (See Section B of instructions)

1. Date plan received by county or joint county health department APRIL 6 2022  
 Agency name MONTGOMERY COUNTY OFFICE OF PUBLIC HEALTH
2. Date review completed by agency 4/8/22

#### SECTION C. AGENCY REVIEW (See Section C of instructions)

Yes ☒ No ☐

1. Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan?  
 If no, what are the inconsistencies? \_\_\_\_\_
2. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?  
 If yes, describe \_\_\_\_\_
3. Is there any known groundwater degradation in the area of this proposal?  
 If yes, describe \_\_\_\_\_
4. The county or joint county health department recommendation concerning this proposed plan is as follows: OK TO PROCEED

5. Name, title and signature of person completing this section:

Name: DENNIS TOWELL

Title: SEWAGE ENFORCEMENT OFFICER

Signature: [Signature]

Date: 4/8/22

Name of County Health Department: MONTGOMERY COUNTY

Address: PO BOX 311 NORRISTOWN PA 19404-0311

Telephone Number: 610-278-5117 X6729

#### SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

This component does not limit county planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.

The county planning agency must complete this component within 60 days.

This component and any additional comments are to be returned to the applicant.





## SEWAGE FACILITIES PLANNING MODULE

### Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

DEP USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH ID #
1-46001-252-3J				

This planning module component is used to fulfill the planning requirements of Act 537 for the following types of projects: (1) a subdivision to be served by sewage collection, conveyance or treatment facilities, (2) a tap-in to an existing collection system with flows on a lot of 2 EDU's or more, or (3) the construction of, or modification to, wastewater collection, conveyance or treatment facilities that will require DEP to issue or modify a Clean Streams Law permit. Planning for any project that will require DEP to issue or modify a permit cannot be processed by a delegated agency. Delegated agencies must send their projects to DEP for final planning approval.

This component, along with any other documents specified in the cover letter, must be completed and submitted to the municipality with jurisdiction over the project site for review and approval. All required documentation must be attached for the Sewage Facilities Planning Module to be complete. Refer to the instructions for help in completing this component.

**REVIEW FEES:** Amendments to the Sewage Facilities Act established fees to be paid by the developer for review of planning modules for land development. These fees may vary depending on the approving agency for the project (DEP or delegated local agency). Please see section R and the instructions for more information on these fees.

**NOTE:** All projects must complete Sections A through I, and Sections O through R. Complete Sections J, K, L, M and/or N if applicable or marked ☒.

#### A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name 365 Cedar Road Yannessa Subdivision

2. Brief Project Description Eight (8) lot subdivision and construct eight (8) new single family dwellings on four (4) acre parcel.

#### B. CLIENT (MUNICIPALITY) INFORMATION (See Section B of instructions)

Municipality Name	County	City	Boro	Twp
Abington	Montgomery	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Manfredi	Richard	J		Manager
Additional Individual Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1		Mailing Address Line 2		
1176 Old York Road				
Address Last Line -- City		State	ZIP+4	
Abington		PA	19001-3731	
Area Code + Phone + Ext.	FAX (optional)	Email (optional)		
267-536-1000		rmanfredi@AbingtonPA.gov		

**C. SITE INFORMATION** (See Section C of instructions)**Site (Land Development or Project) Name**

365 Cedar Road Yannesssa Subdivision

Site Location Line 1

365 Cedar Road

Site Location Line 2

Site Location Last Line -- City

Elkins Park

State

PA

ZIP+4

19027-1604

Latitude

40 04' 47"

Longitude

75 06' 16"

Detailed Written Directions to Site From PA Turnpike take route 611 exit south. Take Old York Road route 263 south to Township Line Road. Turn left and proceed to Cedar Road. Turn left on Cedar Road and proceed to site on the right.

Description of Site Existing four (4) acre residential lot to be subdivided into eight (8) residential lots.

**Site Contact (Developer/Owner)**

Last Name

Yannesssa

First Name

Paul

MI

Suffix

Phone

215-840-3260

Ext.

Site Contact Title

Owner

Site Contact Firm (if none, leave blank)

FAX

Email

pyannesssa@gmail.com

Mailing Address Line 1

403 Longfield Road

Mailing Address Line 2

Mailing Address Last Line -- City

Glenside

State

PA

ZIP+4

19038-7340

**D. PROJECT CONSULTANT INFORMATION** (See Section D of instructions)

Last Name

Byrne

First Name

Lawrence

MI

Suffix

J

Title

Professional Engineer

Consulting Firm Name

L. J. Byrne Engineering, LLC

Mailing Address Line 1

333 East Street Road

Mailing Address Line 2

Address Last Line -- City

Warminster

State

PA

ZIP+4

18974-3307

Country

Bucks

Email

LJByrnePE@gmail.com

Area Code + Phone

215-672-8671

Ext.

n/a

Area Code + FAX

**E. AVAILABILITY OF DRINKING WATER SUPPLY**

The project will be provided with drinking water from the following source: (Check appropriate box)

☐ Individual wells or cisterns.

☐ A proposed public water supply.

☒ An existing public water supply.

If existing public water supply is to be used, provide the name of the water company and attach documentation from the water company stating that it will serve the project.

Name of water company: Aqua Water Company

**F. PROJECT NARRATIVE** (See Section F of instructions)

☒ A narrative has been prepared as described in Section F of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section F of the instructions.

**G. PROPOSED WASTEWATER DISPOSAL FACILITIES** (See Section G of instructions)

Check all boxes that apply, and provide information on collection, conveyance and treatment facilities and EDU's served. This information will be used to determine consistency with Chapter 93 (relating to wastewater treatment requirements).

**1. COLLECTION SYSTEM**

a. Check appropriate box concerning collection system

- ☐ New collection system      ☐ Pump Station      ☐ Force Main  
☐ Grinder pump(s)      ☒ Extension to existing collection system      ☐ Expansion of existing facility

Clean Streams Law Permit Number 0 \_\_\_\_\_

b. Answer questions below on collection system

Number of EDU's and proposed connections to be served by collection system. EDU's 8 \_\_\_\_\_

Connections 1 \_\_\_\_\_

Name of:

existing collection or conveyance system Abington Township

owner Abington Township

existing interceptor AQUA Cheltenham "A"

owner Aqua Water Company

**2. WASTEWATER TREATMENT FACILITY**

Check all boxes that apply, and provide information on collection, conveyance and treatment facilities and EDU's served. This information will be used to determine consistency with Chapter(s) 91 (relating to general provisions), 92 (relating to national Pollution Discharge Elimination System permitting, monitoring and compliance) and 93 (relating to water quality standards).

a. Check appropriate box and provide requested information concerning the treatment facility

- ☐ New facility    ☒ Existing facility    ☐ Upgrade of existing facility    ☐ Expansion of existing facility

Name of existing facility Philadelphia Northeast Waster Water Treatment Plant

NPDES Permit Number for existing facility PA 0026689

Clean Streams Law Permit Number 5172405

Location of discharge point for a new facility. Latitude n/a Longitude n/a

b. The following certification statement must be completed and signed by the wastewater treatment facility permittee or their representative.

As an authorized representative of the permittee, I confirm that the Philadelphia NE WWTP  
 (Name from above) sewage treatment facilities can accept sewage flows from this project without adversely affecting the facility's ability to achieve all applicable technology and water quality based effluent limits (see Section I) and conditions contained in the NPDES permit identified above.

Name of Permittee Agency, Authority, Municipality Philadelphia Water Department

Name of Responsible Agent Eric Ponert, S.E.O.

Agent Signature \_\_\_\_\_ Date \_\_\_\_\_

(Also see Section I. 4.)

**G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)****3. PLOT PLAN**

The following information is to be submitted on a plot plan of the proposed subdivision.

- |   |  |
|---|--|
| a. Existing and proposed buildings.   | j. Any designated recreational or open space area.   |
| b. Lot lines and lot sizes.   | k. Wetlands - from National Wetland Inventory Mapping and USGS Hydric Soils Mapping.   |
| c. Adjacent lots.   | l. Flood plains or Flood prone areas, floodways, (Federal Flood Insurance Mapping)   |
| d. Remainder of tract.  | m. Prime Agricultural Land.  |
| e. Existing and proposed sewerage facilities. Plot location of discharge point, land application field, spray field, COLDS, or LVCOLDS if a new facility is proposed. | n. Any other facilities (pipelines, power lines, etc.)   |
| f. Show tap-in or extension to the point of connection to existing collection system (if applicable).   | o. Orientation to north.   |
| g. Existing and proposed water supplies and surface water (wells, springs, ponds, streams, etc.)  | p. Locations of all site testing activities (soil profile test pits, slope measurements, permeability test sites, background sampling, etc. (if applicable). |
| h. Existing and proposed rights-of-way.   | q. Soils types and boundaries when a land based system is proposed.  |
| i. Existing and proposed buildings, streets, roadways, access roads, etc.   | r. Topographic lines with elevations when a land based system is proposed  |

**4. WETLAND PROTECTION**

YES NO

- a. ☐ ☒ Are there wetlands in the project area? If yes, ensure these areas appear on the plot plan as shown in the mapping or through on-site delineation.
- b. ☐ ☒ Are there any construction activities (encroachments, or obstructions) proposed in, along, or through the wetlands? If yes, identify any proposed encroachments on wetlands and identify whether a General Permit or a full encroachment permit will be required. If a full permit is required, address time and cost impacts on the project. Note that wetland encroachments should be avoided where feasible. Also note that a feasible alternative **MUST BE SELECTED** to an identified encroachment on an exceptional value wetland as defined in Chapter 105. Identify any project impacts on streams classified as HQ or EV and address impacts of the permitting requirements of said encroachments on the project.

**5. PRIME AGRICULTURAL LAND PROTECTION**

YES NO

- ☐ ☒ Will the project involve the disturbance of prime agricultural lands?  
If yes, coordinate with local officials to resolve any conflicts with the local prime agricultural land protection program. The project must be consistent with such municipal programs before the sewage facilities planning module package may be submitted to DEP.  
If no, prime agricultural land protection is not a factor to this project.
- ☒ ☐ Have prime agricultural land protection issues been settled?

**6. HISTORIC PRESERVATION ACT**

YES NO

- ☒ ☐ Sufficient documentation is attached to confirm that this project is consistent with DEP Technical Guidance 012-0700-001 *Implementation of the PA State History Code* (available online at the DEP website at [www.dep.state.pa.us](http://www.dep.state.pa.us), select "subject" then select "technical guidance"). As a minimum this includes copies of the completed Cultural Resources Notice

(CRN), a return receipt for its submission to the PHMC and the PHMC review letter.

## 7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES

Check one:

- ☒ The "Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt" resulting from my search of the PNDI database and all supporting documentation from jurisdictional agencies (when necessary) is/are attached.
- ☐ A completed "Pennsylvania Natural Diversity Inventory (PNDI) Project Planning & Environmental Review Form," (PNDI Form) available at [www.naturalheritage.state.pa.us](http://www.naturalheritage.state.pa.us), and all required supporting documentation is attached. I request DEP staff to complete the required PNDI search for my project. I realize that my planning module will be considered incomplete upon submission to the Department and that the DEP review will not begin, and that processing of my planning module will be delayed, until a "PNDI Project Environmental Review Receipt" and all supporting documentation from jurisdictional agencies (when necessary) is/are received by DEP.

Applicant or Consultant Initials \_\_\_\_\_

## H. ALTERNATIVE SEWAGE FACILITIES ANALYSIS (See Section H of instructions)

- ☒ An alternative sewage facilities analysis has been prepared as described in Section H of the attached instructions and is attached to this component.
- The applicant may choose to include additional information beyond that required by Section H of the attached instructions.

## I. COMPLIANCE WITH WATER QUALITY STANDARDS AND EFFLUENT LIMITATIONS (See Section I of instructions) (Check and complete all that apply.)

### 1. Waters designated for Special Protection

- ☐ The proposed project will result in a new or increased discharge into special protection waters as identified in Title 25, Pennsylvania Code, Chapter 93. The Social or Economic Justification (SEJ) required by Section 93.4c. is attached.

### 2. Pennsylvania Waters Designated As Impaired

- ☐ The proposed project will result in a new or increased discharge of a pollutant into waters that DEP has identified as being impaired by that pollutant. A pre-planning meeting was held with the appropriate DEP regional office staff to discuss water quality based discharge limitations.

### 3. Interstate and International Waters

- ☐ The proposed project will result in a new or increased discharge into interstate or international waters. A pre-planning meeting was held with the appropriate DEP regional office staff to discuss effluent limitations necessary to meet the requirements of the interstate or international compact.

### 4. Tributaries To The Chesapeake Bay

- ☐ The proposed project result in a new or increased discharge of sewage into a tributary to the Chesapeake Bay. This proposal for a new sewage treatment facility or new flows to an existing facility includes total nitrogen and total phosphorus in the following amounts: \_\_\_\_\_ pounds of TN per year, and \_\_\_\_\_ pounds of TP per year. Based on the process design and effluent limits, the total nitrogen treatment capacity of the wastewater treatment facility is \_\_\_\_\_ pounds per year and the total phosphorus capacity is \_\_\_\_\_ pounds per year as determined by the wastewater treatment facility permittee. The permittee has determined that the additional TN and TP to be contributed by this project (as modified by credits and/or offsets to be provided) will not cause the discharge to exceed the annual total mass limits for these parameters. Documentation of compliance with nutrient allocations is attached.

Name of Permittee Agency, Authority, Municipality \_\_\_\_\_

Initials of Responsible Agent (See Section G 2.b) \_\_\_\_\_

See *Special Instructions* (Form 3800-FM-BPNPSM0353-1) for additional information on Chesapeake Bay watershed requirements.



**J. CHAPTER 94 CONSISTENCY DETERMINATION** (See Section J of instructions)

Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Title 25, Chapter 94 (relating to Municipal Wasteload Management). If not previously included in Section F, include a general map showing the path of the sewage to the treatment facility. If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 2120 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

When providing "treatment facilities" sewage flows, use Annual Average Daily Flow for "average" and Maximum Monthly Average Daily Flow for "peak" in all cases. For "peak flows" in "collection" and "conveyance" facilities, indicate whether these flows are "peak hourly flow" or "peak instantaneous flow" and how this figure was derived (i.e., metered, measured, estimated, etc.).

- a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
- b. Enter the average and peak sewage flows for the most restrictive sections of the existing sewage facilities.
- c. Enter the average and peak sewage flows, projected for 5 years (2 years for pump stations) through the most restrictive sections of the existing sewage facilities. Include existing, proposed (this project) and future project (other approved projects) flows.

To complete the table, refer to the instructions, Section J.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection						
Conveyance						
Treatment						

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table. The individual(s) signing below must be legally authorized to make representation for the organization.

YES NO

- a. ☐ YES ☒ NO This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system?

If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved Corrective Action Plan (CAP) granting an allocation for this project. A letter granting allocations to this project under the CAP must be attached to the module package.

If no, a representative of the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with both §71.53(d)(3) and Chapter 94 requirements and that this proposal will not affect that status.

- b. Collection System

Name of Agency, Authority, Municipality Abington Township

Name of Responsible Agent \_\_\_\_\_

Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

**☒ J. CHAPTER 94 CONSISTENCY DETERMINATION** (See Section J of instructions)

## c. Conveyance System

Name of Agency, Authority, Municipality AQUA Water Comapany Cheltenham Township

Name of Responsible Agent \_\_\_\_\_

Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

## 4. Treatment Facility

The questions below are to be answered by a representative of the facility permittee in coordination with the information in the table and the latest Chapter 94 report. The individual signing below must be legally authorized to make representation for the organization.

YES NO

- a. ☐ ☒ This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility?

If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved CAP granting an allocation for this project. A letter granting allocations to this project under the CAP must be attached to the planning module.

If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with both §71.53(d)(3) and Chapter 94 requirements and that this proposal will not impact that status.

- b. Name of Agency, Authority, Municipality Philadelphia Water Department

Name of Responsible Agent Eric Ponert, S.E.O.

Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

**☐ K. TREATMENT AND DISPOSAL OPTIONS** (See Section K of instructions)

This section is for land development projects that propose construction of wastewater treatment facilities. Please note that, since these projects require permits issued by DEP, these projects may **NOT** receive final planning approval from a delegated local agency. Delegated local agencies must send these projects to DEP for final planning approval.

Check the appropriate box indicating the selected treatment and disposal option.

- ☐ 1. Spray irrigation (other than individual residential spray systems (IRSIS)) or other land application is proposed, and the information requested in Section K.1. of the planning module instructions are attached.
- ☐ 2. Recycle and reuse is proposed and the information requested in Section K-2 of the planning module instructions is attached.
- ☐ 3. A discharge to a dry stream channel is proposed, and the information requested in Section K.3. of the planning module instructions are attached.
- ☐ 4. A discharge to a perennial surface water body is proposed, and the information requested in Section K.4. of the planning module instructions are attached.

**☐ L. PERMEABILITY TESTING** (See Section L of instructions)

- ☐ The information required in Section L of the instructions is attached.

**☐ M. PRELIMINARY HYDROGEOLOGIC STUDY** (See Section M of instructions)

- ☐ The information required in Section M of the instructions is attached.

**☐ N. DETAILED HYDROGEOLOGIC STUDY** (See Section N of instructions)☐ The detailed hydrogeologic information required in Section N. of the instructions is attached.**O. SEWAGE MANAGEMENT** (See Section O of instructions)**(1-3 for completion by the developer(project sponser), 4-5 for completion by the non-municipal facility agent and 6 for completion by the municipality)**

Yes No

- 1.
- ☐
- ☒
- Is connection to, or construction of, a DEP permitted, non-municipal sewage facility or a local agency permitted, community onlot sewage facility proposed.

If Yes, respond to the following questions, attach the supporting analysis, and an evaluation of the options available to assure long-term proper operation and maintenance of the proposed non-municipal facilities. If No, skip the remainder of Section O.

2. Project Flows
- 2120
- gpd

Yes No

- 3.
- ☐
- ☒
- Is the use of nutrient credits or offsets a part of this project?

If yes, attach a letter of intent to purchase the necessary credits and describe the assurance that these credits and offsets will be available for the remaining design life of the non-municipal sewage facility;

**(For completion by non-municipal facility agent)**

4. Collection and Conveyance Facilities

The questions below are to be answered by the organization/individual responsible for the non-municipal collection and conveyance facilities. The individual(s) signing below must be legally authorized to make representation for the organization.

Yes No

- a.
- ☐
- ☐
- If this project proposes sewer extensions or tap-ins, will these actions create a hydraulic overload on any existing collection or conveyance facilities that are part of the system?

If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until this issue is resolved.

If no, a representative of the organization responsible for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 71 §71.53(d)(3) and that this proposal will not affect that status.

- b. Collection System

Name of Responsible Organization \_\_\_\_\_

Name of Responsible Agent \_\_\_\_\_

Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

- c. Conveyance System

Name of Responsible Organization \_\_\_\_\_

Name of Responsible Agent \_\_\_\_\_

Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

## 5. Treatment Facility

The questions below are to be answered by a representative of the facility permittee. The individual signing below must be legally authorized to make representation for the organization.

Yes      No

- a. ☐ ☐ If this project proposes the use of an existing non-municipal wastewater treatment plant for the disposal of sewage, will this action create a hydraulic or organic overload at that facility?

If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this issue is resolved.

If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with §71.53(d)(3) and that this proposal will not impact that status.

- b. Name of Facility \_\_\_\_\_  
 Name of Responsible Agent \_\_\_\_\_  
 Agent Signature \_\_\_\_\_  
 Date \_\_\_\_\_

(For completion by the municipality)

6. ☐ The **SELECTED OPTION** necessary to assure long-term proper operation and maintenance of the proposed non-municipal facilities is clearly identified with documentation attached in the planning module package.

## P. PUBLIC NOTIFICATION REQUIREMENT (See Section P of instructions)

This section must be completed to determine if the applicant will be required to publish facts about the project in a newspaper of general circulation to provide a chance for the general public to comment on proposed new land development projects. This notice may be provided by the applicant or the applicant's agent, the municipality or the local agency by publication in a newspaper of general circulation within the municipality affected. Where an applicant or an applicant's agent provides the required notice for publication, the applicant or applicant's agent shall notify the municipality or local agency and the municipality and local agency will be relieved of the obligation to publish. The required content of the publication notice is found in Section P of the instructions.

To complete this section, each of the following questions must be answered with a "yes" or "no". Newspaper publication is required if any of the following are answered "yes".

Yes No

1. ☐ ☒ Does the project propose the construction of a sewage treatment facility ?
2. ☐ ☒ Will the project change the flow at an existing sewage treatment facility by more than 50,000 gallons per day?
3. ☐ ☒ Will the project result in a public expenditure for the sewage facilities portion of the project in excess of \$100,000?
4. ☐ ☒ Will the project lead to a major modification of the existing municipal administrative organizations within the municipal government?
5. ☐ ☒ Will the project require the establishment of *new* municipal administrative organizations within the municipal government?
6. ☐ ☒ Will the project result in a subdivision of 50 lots or more? (onlot sewage disposal only)
7. ☐ ☒ Does the project involve a major change in established growth projections?
8. ☐ ☒ Does the project involve a different land use pattern than that established in the municipality's Official Sewage Plan?



**P. PUBLIC NOTIFICATION REQUIREMENT cont'd.** (See Section P of instructions)

9. ☐ ☒ Does the project involve the use of large volume onlot sewage disposal systems (Flow > 10,000 gpd)?
10. ☐ ☒ Does the project require resolution of a conflict between the proposed alternative and consistency requirements contained in §71.21(a)(5)(i), (ii), (iii)?
11. ☐ ☒ Will sewage facilities discharge into high quality or exceptional value waters?
- ☐ Attached is a copy of:
- ☐ the public notice,
  - ☐ all comments received as a result of the notice,
  - ☐ the municipal response to these comments.
- ☐ No comments were received. A copy of the public notice is attached.

**Q. FALSE SWEARING STATEMENT** (See Section Q of instructions)

I verify that the statements made in this component are true and correct to the best of my knowledge, information and belief. I understand that false statements in this component are made subject to the penalties of 18 PA C.S.A. §4904 relating to unsworn falsification to authorities.

Lawrence J. Byrne

Name (Print)

Professional Engineer

Title

333 East Street Road Warminster, PA 18974

Address

215-672-8671

Telephone Number

Signature

Date

**R. REVIEW FEE** (See Section R of instructions)

The Sewage Facilities Act establishes a fee for the DEP planning module review. DEP will calculate the review fee for the project and invoice the project sponsor **OR** the project sponsor may attach a self-calculated fee payment to the planning module prior to submission of the planning package to DEP. (Since the fee and fee collection procedures may vary if a "delegated local agency" is conducting the review, the project sponsor should contact the "delegated local agency" to determine these details.) Check the appropriate box.

- ☐ I request DEP calculate the review fee for my project and send me an invoice for the correct amount. I understand DEP's review of my project will not begin until DEP receives the correct review fee from me for the project.
- ☒ I have calculated the review fee for my project using the formula found below and the review fee guidance in the instructions. I have attached a check or money order in the amount of \$400 payable to "Commonwealth of PA, DEP". Include DEP code number on check. I understand DEP will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, DEP will return my check or money order, send me an invoice for the correct amount. I understand DEP review will NOT begin until I have submitted the correct fee.
- ☐ I request to be exempt from the DEP planning module review fee because this planning module creates **only** one new lot and is the **only** lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize that subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I am furnishing the following deed reference information in support of my fee exemption.

County Recorder of Deeds for \_\_\_\_\_ County, Pennsylvania

Deed Volume \_\_\_\_\_ Book Number \_\_\_\_\_

Page Number \_\_\_\_\_ Date Recorded \_\_\_\_\_



**R. REVIEW FEE (continued)**

Formula:

1. For a new collection system (with or without a Clean Streams Law Permit), a collection system extension, or individual tap-ins to an existing collection system use this formula.

$$\#8 \quad \text{Lots (or EDUs)} \times \$50.00 = \$400.00$$

The fee is based upon:

- The number of lots created or number of EDUs whichever is higher.
- For community sewer system projects, one EDU is equal to a sewage flow of 400 gallons per day.

2. For a surface or subsurface discharge system, use the appropriate one of these formulae.

- A. A new surface discharge greater than 2000 gpd will use a flat fee:

\$ 1,500 per submittal (non-municipal)  
\$ 500 per submittal (municipal)

- B. An increase in an existing surface discharge will use:

$$\# \quad \text{Lots (or EDUs)} \times \$35.00 = \$$$

to a maximum of \$ 1,500 per submittal (non-municipal) or \$ 500 per submittal (municipal)

The fee is based upon:

- The number of lots created or number of EDUs whichever is higher.
- For community sewage system projects one EDU is equal to a sewage flow of 400 gallons per day.
- For non-single family residential projects, EDUs are calculated using projected population figures

- C. A sub-surface discharge system that requires a permit under The Clean Streams Law will use a flat fee:

\$ 1,500 per submittal (non-municipal)  
\$ 500 per submittal (municipal)



## WASTEWATER DEPARTMENT

*George Wrigley, Director*

December 6, 2021

Paul Yannessa  
43 Longfield Road  
Glenside, PA 19038

RE: Proposed Land Development for 365 Cedar Road: Sanitary Sewer Availability

Dear Mr. Yannessa:

The Township of Abington Wastewater Utilities Department has reviewed the historical archived documents from Township records in regards to your request for verification of sanitary sewer service availability at the development site. The records indicate that there is an existing sanitary sewer adjacent to your proposed development through the Valley Glenn Condominium property, which discharges to our Jenkintown Road flow meter along Township Line Road that has sufficient capacity for the proposed eight residential properties. The sanitary wastewater is then conveyed through the Aqua sewer system in Cheltenham Township to the Philadelphia Water Department's Northeast Water Pollution Control Facility. Capacity verification will be required from each of these three entities as well as the PaDEP via a postcard mailer form and either an exemption request from Sewage Facilities Planning or a full Planning Module application.

Should you have any questions or require any additional information, please contact me at 215-884-8329 or email at [gwrigley@abington.org](mailto:gwrigley@abington.org).

Sincerely,

George R. Wrigley, Director

Abington Wastewater Utilities Department

pc: Timothy Clark, Abington Director of Engineering  
Khaled R. Hassan, PE, Pennoni  
Allison A. Lee, PE, Pennoni  
Lawrence J. Byrne, PE, Applicant's Engineer

### **Project Narrative**

The project is located at 365 Cedar Road (SR 2058) on tax parcel ID 30-00-07112-00-4 in Abington Township, Montgomery County, PA. The site area is 4.08 acres and is currently occupied by a single family dwelling and garage which are to be removed. The property consists of primarily lawn and brush type ground cover and drains from Cedar Road towards an existing watercourse located at the rear of the property. The present land use for the previous 5 years has been suburban residential. Based on county records the existing dwelling was constructed in 1800. The previously land use dating back to 1952 or 69 years ago when the previous owner purchased the property has been suburban residential with some agricultural use. The purpose of this project is to subdivide the property into eight (8) building lots and construct eight (8) new single-family dwellings along with associated site utilities, stormwater management facilities and required improvements.

The project proposes construction of eight (8) new single-family dwellings. The existing single-family dwelling on the site is to be removed and is currently served with on lot sanitary septic system and is not connected to the public sewer. A total of eight (8) EDUs are required for the project. The total increased sewage flow from the project will be 2,120 gpd based on 265 gpd/EDU.

The sewage from the site will be flow to the existing gravity sewer manhole located at the terminus of Glenmore Avenue on the lands of the Valley Glen Condominium Association. The sewage then flows through the Valley Glen Condominium Association to the Abington Township flow meter located on Township Line Road. The sewage is then conveyed through the Aqua sewer system in Cheltenham Township to the Philadelphia Northeast Water Pollution Control Facility (NPDES Permit Number PA0026689 and Clean Streams Law Permit Number 5172405) for treatment. Public water service will be provided by tapping into the existing water main in Cedar Road which is owned and maintained by the Aqua water company.

## **Alternatives Analysis**

The project is located at 365 Cedar Road (SR 2058) on tax parcel ID 30-00-07112-00-4 in Abington Township, Montgomery County, PA. The site area is 4.08 acres and is currently occupied by a single-family dwelling and garage which are to be removed. The property consists of primarily lawn and brush type ground cover and drains from Cedar Road towards an existing watercourse located at the rear of the property. The present land use for the previous 5 years has been suburban residential. Based on county records the existing dwelling was constructed in 1800. The previously land use dating back to 1952 or 69 years ago when the previous owner purchased the property has been suburban residential with some agricultural use. The purpose of this project is to subdivide the property into eight (8) building lots and construct eight (8) new single-family dwellings along with associated site utilities, stormwater management facilities and required improvements. A total of eight (8) EDUs are required for the project. The total increased sewage flow from the project will be 2,120 gpd based on 265 gpd/EDU.

The chosen and ultimate sewage disposal method for the site is to connect to the existing sewer manhole located at the terminus of Glenmore Avenue via a new gravity sewer extension. The method of sewage disposal is consistent with the Municipalities Official Sewage Facilities Plan. The sewage then flows through the Valley Glen Condominium Association to the Abington Township flow meter located on Township Line Road. The sewage is then conveyed through the Aqua sewer system in Cheltenham Township to the Philadelphia Northeast Water Pollution Control Facility (NPDES Permit Number PA0026689 and Clean Streams Law Permit Number 5172405) for treatment. Capacity certification letters from Abington Township, Aqua water, Cheltenham Township, and the City of Philadelphia Water Department are provided.

The land adjacent to the project consists of single-family residential dwellings which is the same land use and zoning as the proposed project and the Valley Glen Condominium Association which is a townhouse and apartment type development.

Alternative method of sewage disposal such as individual or community on lot septic tanks and absorption areas was considered but determined to be not feasible due to limited site areas and required isolation distances. Other methods of sewage disposal such as a package treatment plant with stream discharge was determined to be unreasonable.

Construction of the proposed site improvements will be financed by the property owner. A standard developer's agreement and escrow agreement will be provided between the property owner and Abington Township to guarantee construction of the required site improvements. Maintenance of the existing collection, conveyance and treatment facilities will be the responsibility of the current facility owners.



August 19, 2019

Lawrence J. Byrne, P.E.  
L. J. Byrne Engineering, LLC  
333 East Street Road  
Warminster, PA 18974

**Re:** Water Availability  
365 Cedar Road Subdivision  
Abington Township, Montgomery County

Dear Mr. Byrne:

This letter will serve as confirmation that the above referenced property is situated within Aqua Pennsylvania Inc.'s ("Aqua") service territory. Service will be provided in accordance with Aqua's Rules and Regulations.

This proposed subdivision will require a main extension for service to all the proposed lots. Based on the proposed plan, Aqua will require a main extension, within Independence Circle, from Aqua's existing 16-inch main in Cedar Road. Main extension plans must be prepared and submitted to this office for review and approval. Following approval of the main extension design and plans, construction of the main extension project would be completed by the Builder under our standard Builder's Extension Agreement.

Flow data information may be obtained from our Production Department so that you may determine the adequacy of our supply for your project needs. Please fax a written request to Lisa Thomas Oliva at 610-645-1162 containing the address, street, cross street and municipality and all pertinent contact information.

If I can be of further assistance, you may contact me at (610) 645-1105.

Sincerely,

A handwritten signature in blue ink, reading "David C. McIntyre".

David C. McIntyre  
Manager, New Business and Contract Operations



**McIntyre, David C**

---

**From:** Lawrence Byrne <ljbyrnepe@gmail.com>  
**Sent:** Tuesday, August 06, 2019 9:12 AM  
**To:** McIntyre, David C; Ciotti, Deanna L  
**Subject:** RE: [EXTERNAL] Aqua PA service connections 365 CedarRoadAbingtonTownship

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

Ok

This project is in initial planning stages. We will be preparing detailed engineering drawings in the near future. Can you please provide a "Will Serve" water letter for the project. I just need it as one of the items the township is requesting.

Thanks

Lawrence J. Byrne, PE  
 President  
 L. J. Byrne Engineering, LLC  
 333 East Street Road  
 Warminster, PA 18974  
 215-672-8671 Office  
 267-229-0288 Cell

**From:** McIntyre, David C  
**Sent:** Tuesday, August 6, 2019 8:29 AM  
**To:** Lawrence Byrne; Ciotti, Deanna L  
**Subject:** RE: [EXTERNAL] Aqua PA service connections 365 CedarRoadAbingtonTownship

Our mains terminate with blow-offs only – not fire hydrants.

**From:** Lawrence Byrne <ljbyrnepe@gmail.com>  
**Sent:** Monday, August 05, 2019 12:15 PM  
**To:** Ciotti, Deanna L <DLCiotti@aquaamerica.com>  
**Cc:** McIntyre, David C <DCMcIntyre@aquaamerica.com>  
**Subject:** RE: [EXTERNAL] Aqua PA service connections 365 Cedar RoadAbingtonTownship

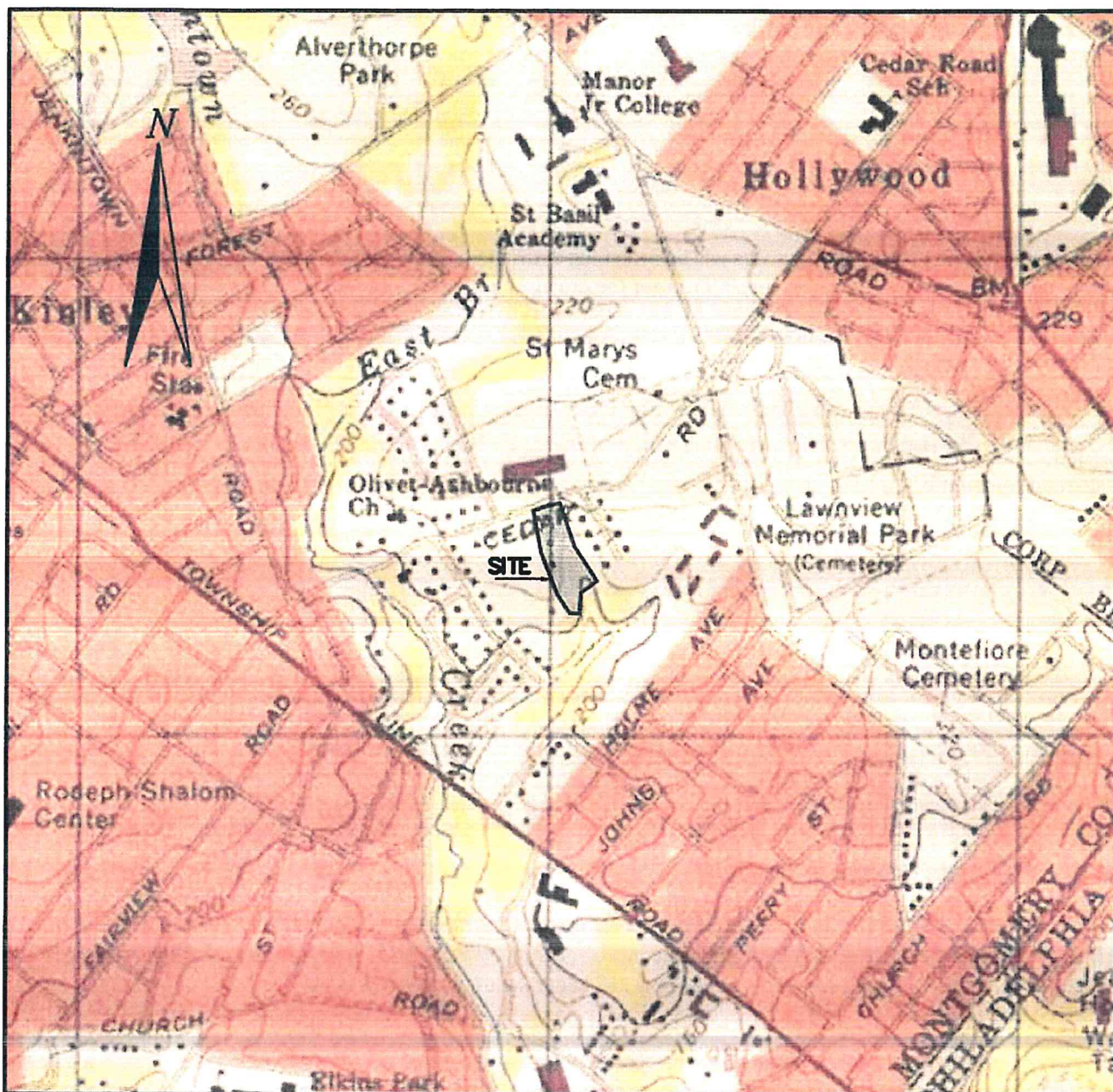
CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Deanna,

Thanks for the reply.

Yes we are going to propose a new water main from Cedar Road along Independence Circle to the end of the cul de sac and terminating the water main with a fire hydrant.

Thanks



FRANKFORD QUAD

E  
C  
AEASTERN/CHADROW  
ASSOCIATES, INC.333 E. STREET RD.  
WARMINSTER, PA.  
18974

EST. 1967

U.S.G.S. LOCATION MAP

PAUL YANNESSA

ABINGTON TWP., MONTGOMERY CO., PENNA.

DATE: 11/16/21

SCALE: 1"=1,000'

## 1. PROJECT INFORMATION

Project Name: **Yanessa 365 Cedar Road**

Date of Review: **4/12/2021 04:00:23 PM**

Project Category: **Development, Residential, Subdivision containing more than 2 lots and/or 2 single-family units**

Project Area: **4.02 acres**

County(s): **Montgomery**

Township/Municipality(s): **ABINGTON TOWNSHIP**

ZIP Code:

Quadrangle Name(s): **FRANKFORD**

Watersheds HUC 8: **Lower Delaware**

Watersheds HUC 12: **Tacony Creek-Frankford Creek**

Decimal Degrees: **40.079815, -75.104626**

Degrees Minutes Seconds: **40° 4' 47.3349" N, 75° 6' 16.6535" W**

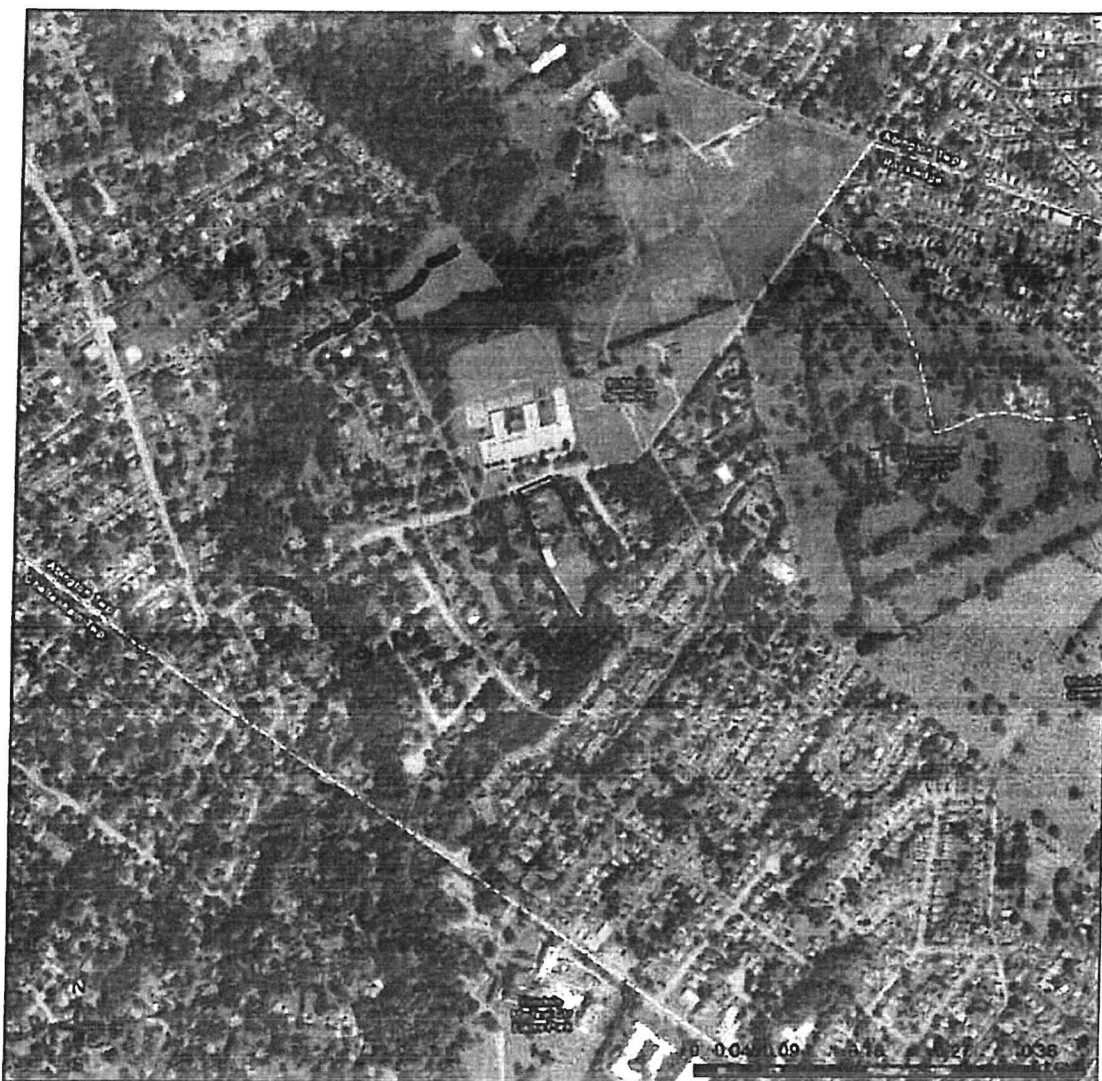
## 2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

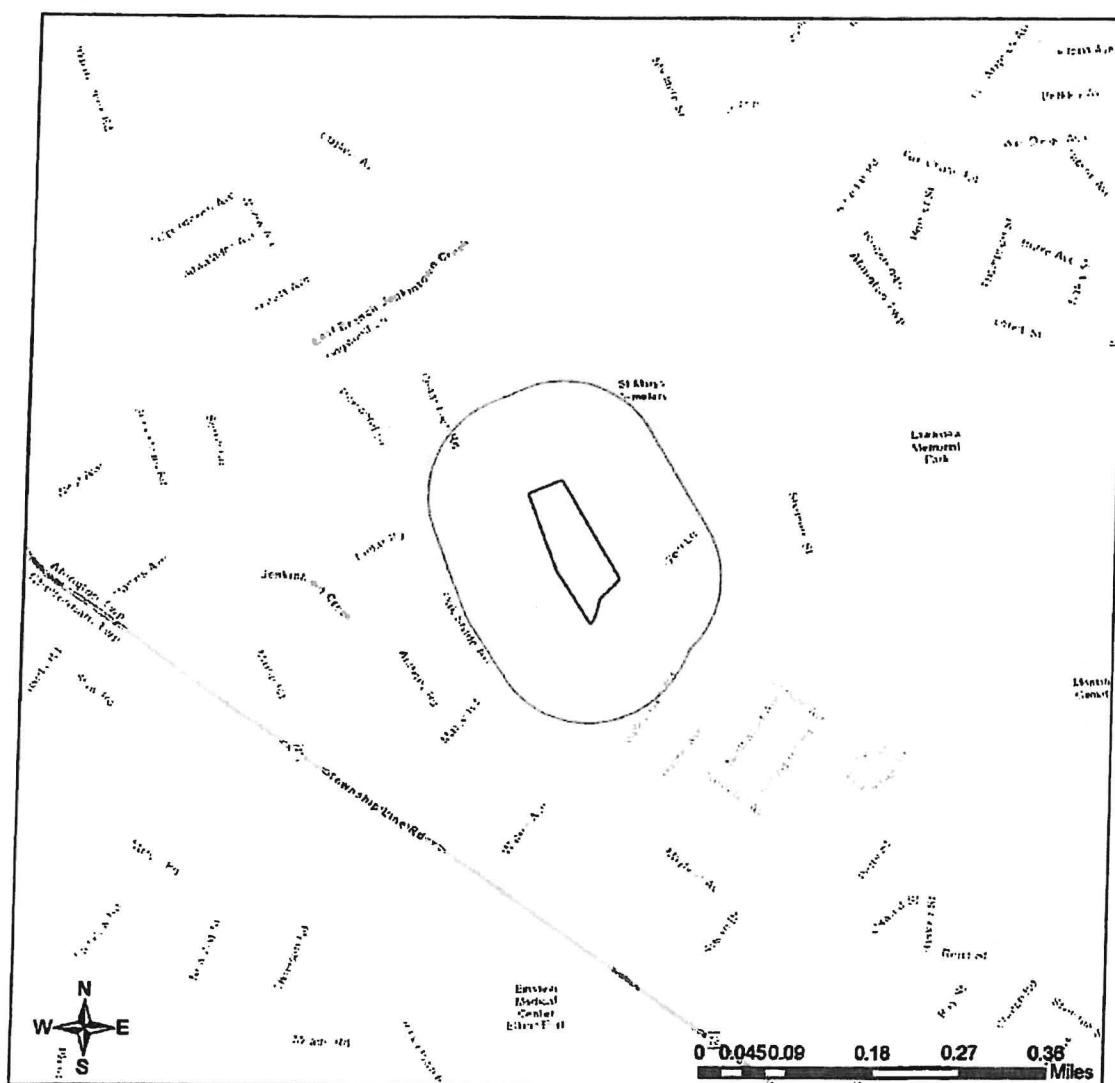
As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.



### Yanessa 365 Cedar Road

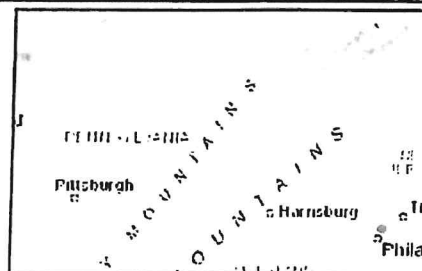


## Yanessa 365 Cedar Road



- ☐ Project Boundary
- ☐ Buffered Project Boundary

Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





## RESPONSE TO QUESTION(S) ASKED

**Q1:** The proposed project is in the range of the Indiana bat. Describe how the project will affect bat habitat (forests, woodlots and trees) and indicate what measures will be taken in consideration of this. Round acreages up to the nearest acre (e.g., 0.2 acres = 1 acre).

**Your answer is:** No forests, woodlots or trees will be affected by the project.

**Q2:** Is tree removal, tree cutting or forest clearing of 40 acres or more necessary to implement all aspects of this project?

**Your answer is:** No

### 3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are valid for two years (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies strongly advise against conducting surveys for the species listed on the receipt prior to consultation with the agencies.

#### PA Game Commission

##### RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

#### PA Department of Conservation and Natural Resources

##### RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

#### PA Fish and Boat Commission

##### RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

#### U.S. Fish and Wildlife Service

##### RESPONSE:

No impacts to federally listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

#### **4. DEP INFORMATION**

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

## 5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page ([www.naturalheritage.state.pa.us](http://www.naturalheritage.state.pa.us)). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

## 6. AGENCY CONTACT INFORMATION

### PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section  
400 Market Street, PO Box 8552  
Harrisburg, PA 17105-8552  
Email: [RA-HeritageReview@pa.gov](mailto:RA-HeritageReview@pa.gov)

### PA Fish and Boat Commission

Division of Environmental Services  
595 E. Rolling Ridge Dr., Bellefonte, PA 16823  
Email: [RA-FBPACENOTIFY@pa.gov](mailto:RA-FBPACENOTIFY@pa.gov)

### U.S. Fish and Wildlife Service

Pennsylvania Field Office  
Endangered Species Section  
110 Radnor Rd; Suite 101  
State College, PA 16801  
Email: [IR1\\_ESPenn@fws.gov](mailto:IR1_ESPenn@fws.gov)  
NO Faxes Please

### PA Game Commission

Bureau of Wildlife Habitat Management  
Division of Environmental Planning and Habitat Protection  
2001 Elmerton Avenue, Harrisburg, PA 17110-9797  
Email: [RA-PGC\\_PNDI@pa.gov](mailto:RA-PGC_PNDI@pa.gov)  
NO Faxes Please

## 7. PROJECT CONTACT INFORMATION

Name: Lawrence J. Byrne, P.E.  
Company/Business Name: LJB Byrne Engineering, LLC  
Address: 333 East Street, 2nd  
City, State, Zip: Washington, PA 15374  
Phone: (717) 672-8671 Fax: ( )  
Email: LJByrnePE@gmail.com

## 8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

LJB  
applicant/project proponent signature

4/12/2021  
date

**ljbyrnepe@gmail.com**

---

**From:** PA-SHARE <RA-phpasharednr@pa.gov>  
**Sent:** Monday, March 28, 2022 1:56 PM  
**To:** LJByrnePE@gmail.com; ljbyrnepe@gmail.com  
**Subject:** PA-SHARE Environmental Review Initial Submission Accepted by PA SHPO as 2022PR01335 Yannessas Subdivision 365 Cedar Road Abington Township

*This is an automated notification sent by the Pennsylvania State Historic Preservation Office (PA SHPO) from the Pennsylvania's Historic and Archaeological Resource Exchange (PA-SHARE). Please do not reply directly to this email as it is an unmonitored account.*

Hello,

Your Initial submission 8KYGOAQHXPAH has been accepted as a new Environmental Review project. You also may have received this email if you were named as a contact on the project. Please refer to Project Number 2022PR01335, Project Name Yannessas Subdivision 365 Cedar Road Abington Township in future correspondence. You will receive further notifications from PA-SHARE when PA SHPO has completed their review of your submission. **No further action is required at this time.**

You can access the submission at:

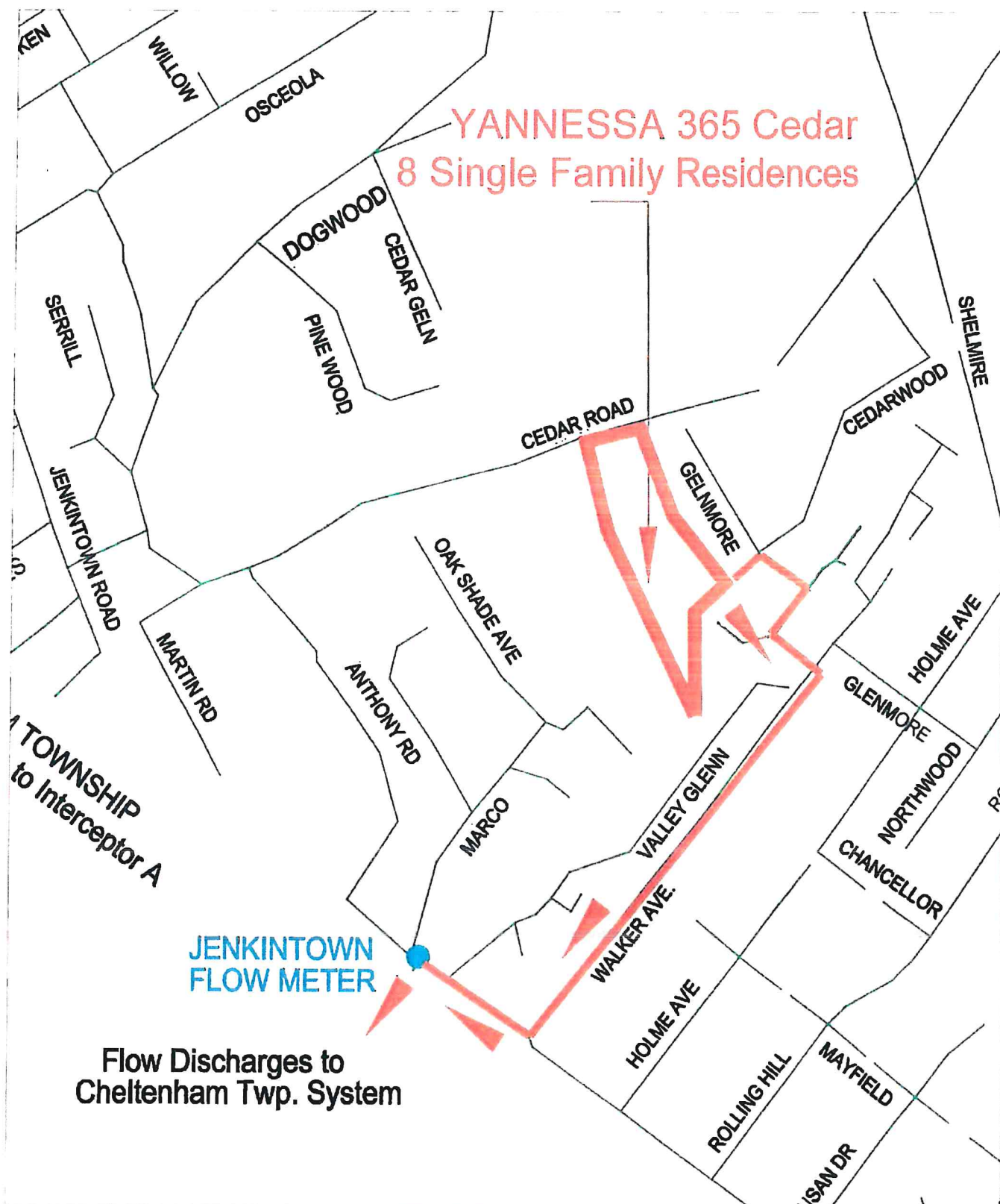
<https://share.phmc.pa.gov/pashare/>

If you feel you have received this email in error or have questions about why you are receiving this email, please visit the PA-SHARE help page at <https://share.phmc.pa.gov/pasharehelp/> or contact the PA-SHARE Help Desk at [pashare@pa.gov](mailto:pashare@pa.gov).

Thank you,

PA SHPO

FIGURE 1



**ABINGTON TOWNSHIP - Yanessa 365 Cedar Rd : 8 Single Family Residences  
Sanitary Sewer Flowpath to Abington's Jenkintown Meter (then discharging to Cheltenham)**



TABLE B2

## Abington Township Wastewater

Land Development &amp; Property Renovation Status By Meter Site

As of December 20, 2020

MAP ID #	Cheltenham Development	Drainage Area	Meter Site	# EDU 2015 DEP Released	# EDU Assigned	DEP Planning Approval	Previous # EDU Connected	# EDU Connected In 2020	# EDU Available	2021	2022	2023	2024	2025
AN02	SL Basella (Manor College Apartments)	CHELT	Jenkintown		160	N	0	0	160	0	0	0	0	0
AN06	1013 Fox Chase Rd (Saint Michael's)	CHELT	Jenkintown	5	5	Y	3	0	2	2				
AP04	Jenkintown Rd. Area Commercial Misc. (Completed)	CHELT	Jenkintown	1	1	Y	1	0	0					
AP12	Cedar & Fox Chase Area Residential (Reallocate 10 EDU to Fill-in & SubDiv)	CHELT	Jenkintown		240		0	0	240	0	5	5	5	5
AP13	Jenkintown Rd. Area OLDS & Vacant Lots (386 Holmes 2 Lots)	CHELT	Jenkintown		480		0	0	480	0	0	0	25	25
AP14	Cedar Road Area (Yanessa & lot Residential)	CHELT	Jenkintown		3	Y	0	2	1	0	1			
AP15	Cedar Rd. & Cedar Glenn Rd. Areas Residential	CHELT	Jenkintown		10		0	0	10	0	3	3	2	2
AP16	Averthorpe Park	CHELT	Jenkintown		10		0	0	10	0	2	2	2	2
AP21	Shelburne Road Area OLDS	CHELT	Jenkintown	2	50		1	0	49	0	0	1	1	1
AP34	Chancellor Vacant Fill-in (Reallocate from AP04-Commercial) [Completed]	CHELT	Jenkintown		2		0	0	2	0	1	1	1	1
AR01	800 Fox Chase Rd (Manor Jr. College)	CHELT	Jenkintown		1	Y	1	0	0	0	0	0	0	0
	Jenkintown Vacant Fill-in (Reallocate from AP04-Commercial)	CHELT	Jenkintown		18	N	0	0	18	0	0	0	0	0
	Jenkintown 1148 Fox Chase SubDiv. (Reallocate from AP04)	CHELT	Jenkintown		5		0	0	5	1	1	1	1	1
	365 Rolling Hill (Completed)	CHELT	Jenkintown	1	4		0	0	4	0	0	0	0	4
	367 Rolling Hill (Completed)	CHELT	Jenkintown				0	0						
	Shelburne Commercial Miscellaneous	CHELT	Jenkintown	1										
				10										
				20										
							Total	2	979	3	13	14	37	39

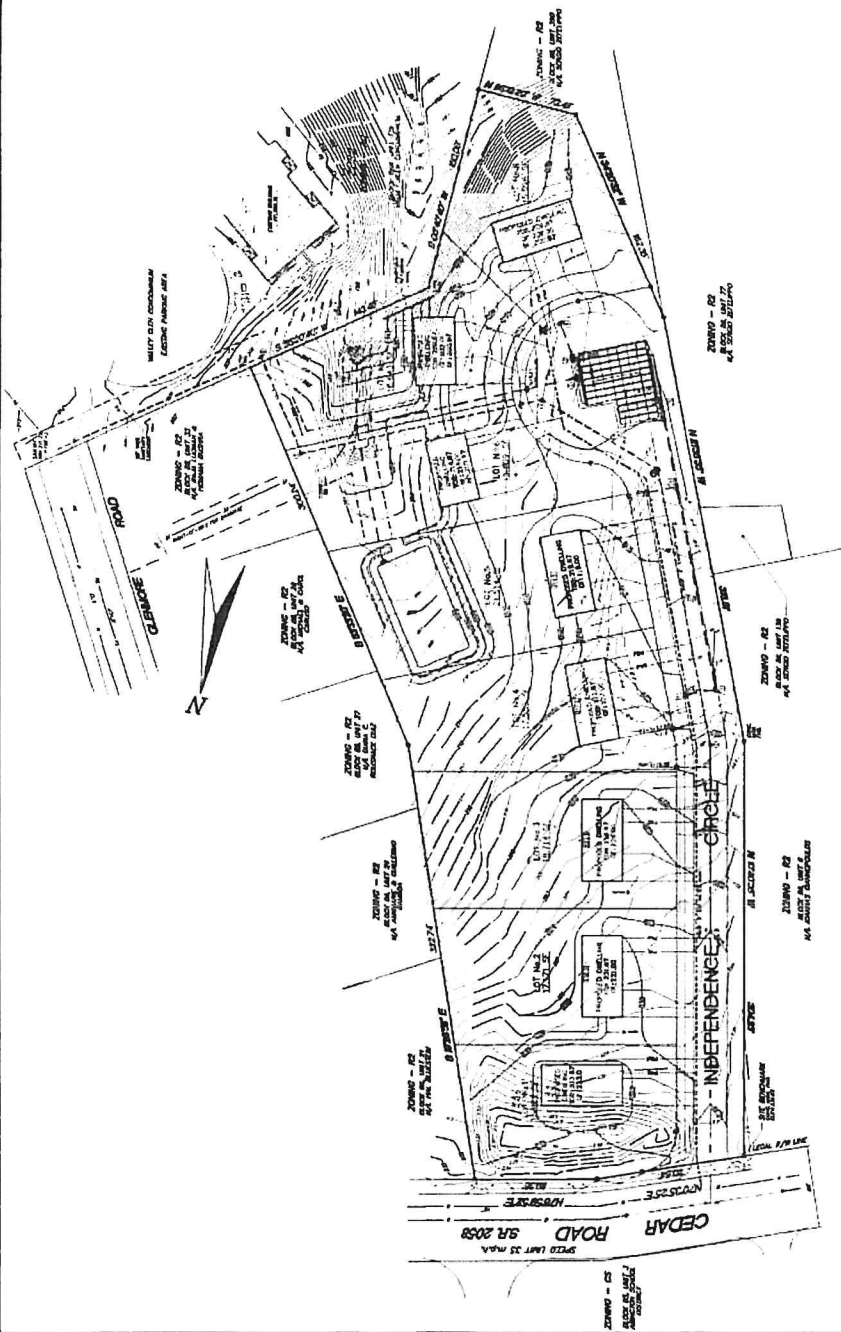






**Standard & Utility Plan**

1. All easements shown on this plan shall comply with the requirements of 61 Pa. Code, 25.12 (December 18, 1998) and 61 Pa. Code, 25.13 (December 18, 1998).
2. The plan shall be prepared in accordance with the requirements of 61 Pa. Code, 25.12 (December 18, 1998) and 61 Pa. Code, 25.13 (December 18, 1998).
3. The plan shall be prepared in accordance with the requirements of 61 Pa. Code, 25.12 (December 18, 1998) and 61 Pa. Code, 25.13 (December 18, 1998).
4. The plan shall be prepared in accordance with the requirements of 61 Pa. Code, 25.12 (December 18, 1998) and 61 Pa. Code, 25.13 (December 18, 1998).
5. The plan shall be prepared in accordance with the requirements of 61 Pa. Code, 25.12 (December 18, 1998) and 61 Pa. Code, 25.13 (December 18, 1998).
6. The plan shall be prepared in accordance with the requirements of 61 Pa. Code, 25.12 (December 18, 1998) and 61 Pa. Code, 25.13 (December 18, 1998).
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14. The plan shall be prepared in accordance with the requirements of 61 Pa. Code, 25.12 (December 18, 1998) and 61 Pa. Code, 25.13 (December 18, 1998).
15. The plan shall be prepared in accordance with the requirements of 61 Pa. Code, 25.12 (December 18, 1998) and 61 Pa. Code, 25.13 (December 18, 1998).
16. The plan shall be prepared in accordance with the requirements of 61 Pa. Code, 25.12 (December 18, 1998) and 61 Pa. Code, 25.13 (December 18, 1998).
17. The plan shall be prepared in accordance with the requirements of 61 Pa. Code, 25.12 (December 18, 1998) and 61 Pa. Code, 25.13 (December 18, 1998).
18. The plan shall be prepared in accordance with the requirements of 61 Pa. Code, 25.12 (December 18, 1998) and 61 Pa. Code, 25.13 (December 18, 1998).
19. The plan shall be prepared in accordance with the requirements of 61 Pa. Code, 25.12 (December 18, 1998) and 61 Pa. Code, 25.13 (December 18, 1998).
20. The plan shall be prepared in accordance with the requirements of 61 Pa. Code, 25.12 (December 18, 1998) and 61 Pa. Code, 25.13 (December 18, 1998).



**SHEET 12 OF 14**

**ACT 187 USERS LIST**

NAME	ADDRESS	PHONE	EMAIL
PAUL YANNESSA	1000 CEDAR ROAD, MONROEVILLE, PA 15146	724-261-1234	pyanessa@earthlink.net
PAUL YANNESSA	1000 CEDAR ROAD, MONROEVILLE, PA 15146	724-261-1234	pyanessa@earthlink.net
PAUL YANNESSA	1000 CEDAR ROAD, MONROEVILLE, PA 15146	724-261-1234	pyanessa@earthlink.net
PAUL YANNESSA	1000 CEDAR ROAD, MONROEVILLE, PA 15146	724-261-1234	pyanessa@earthlink.net
PAUL YANNESSA	1000 CEDAR ROAD, MONROEVILLE, PA 15146	724-261-1234	pyanessa@earthlink.net
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PAUL YANNESSA	1000 CEDAR ROAD, MONROEVILLE, PA 15146	724-261-1234	pyanessa@earthlink.net
PAUL YANNESSA	1000 CEDAR ROAD, MONROEVILLE, PA 15146	724-261-1234	pyanessa@earthlink.net
PAUL YANNESSA	1000 CEDAR ROAD, MONROEVILLE, PA 15146	724-261-1234	pyanessa@earthlink.net
PAUL YANNESSA	1000 CEDAR ROAD, MONROEVILLE, PA 15146	724-261-1234	pyanessa@earthlink.net



**CRUISING & UTILITY PLAN**  
**1000 CEDAR ROAD**  
**MONROEVILLE, PENNSYLVANIA**  
**PAUL YANNESSA**  
**SCALE: 1"=40'**  
**DATE: 11/15/2021**  
**EASTERN/CHADROW ASSOCIATES, INC.**  
**1000 CEDAR ROAD, MONROEVILLE, PA 15146**

**MONTGOMERY COUNTY  
BOARD OF COMMISSIONERS**

VALERIE A. ARKOOSH, MD, MPH, CHAIR  
KENNETH E. LAWRENCE, JR., VICE CHAIR  
JOSEPH C. GALE, COMMISSIONER



**MONTGOMERY COUNTY  
PLANNING COMMISSION**

MONTGOMERY COUNTY COURTHOUSE • PO BOX 311  
NORRISTOWN, PA 19404-0311  
610-278-3722  
FAX: 610-278-3941 • TDD: 610-631-1211  
[WWW.MONTCOPA.ORG](http://WWW.MONTCOPA.ORG)

SCOTT FRANCE, AICP  
EXECUTIVE DIRECTOR

February 18, 2022

Mr. Rich Manfredi, Manager  
Abington Township  
1176 Old York Road  
Abington, Pennsylvania 19001-3713

Re: MCPC #22-0027-001  
Plan Name: 365 Cedar Road (Yanessa Subdivision)  
(8 homes on 4.08 acres; 1.96 dwelling units per acre)  
Situate: 365 Cedar Road at Cedar Glen Road  
Abington Township

Dear Mr. Manfredi:

We have reviewed the above-referenced subdivision and land development plan in accordance with Section 502 of Act 247, "The Pennsylvania Municipalities Planning Code," as you requested on February 2, 2022. We forward this letter as a report of our review.

## BACKGROUND

Paul Yanessa, the applicant, has submitted a preliminary subdivision and land development plan for a new residential subdivision. The proposal would demolish an existing 1,670 square foot dwelling, a 4,014 square foot garage, and a chicken coop. It would create a new road ("Independence Circle") and construct eight single-family detached homes. The site is located in the R2 Low-Medium Density zoning district, and is served by public water and sewer. The applicant submitted a preliminary plan dated November 22, 2021.

## CONSISTENCY WITH COMPREHENSIVE AND OTHER PLANS

The proposed improvements are generally consistent with *MONTCO 2040: A Shared Vision, The Montgomery County Comprehensive Plan*. The comprehensive plan shows the project is located in the "Suburban Residential" future land use area.

The *Abington Master Bicycle Plan (2015, p.54)* recommends that a bicycle route be completed along Cedar Road (Route #23 – Pennypack Connector). On this road it would consist of "share the road" markings. The plan identified Cedar Road as a popular biking route from Jenkintown Road to Manor College and Fox Chase Road, with connections to the off-road trail along Manor College property, Huntingdon Valley Shopping Center, and



the Pennypack Trail.<sup>1</sup> The proposal would be more consistent with this plan if the road markings were also proposed.

The proposed improvements are also consistent with the Abington Comprehensive Plan of 2007, which places the location in the “Low Density Residential” future land use category.

## RECOMMENDATION

The Montgomery County Planning Commission (MCPC) generally supports the applicant’s proposal, however, in the course of our review we have identified the following issues that the applicant and township may wish to consider prior to final plan approval. Our comments are as follows:

## REVIEW COMMENTS

### TRANSPORTATION

- A. Cartway Width – The applicant requests a waiver of the required 30 foot cartway width [§146-24.D] to permit a 24 foot wide cartway. We feel that this may be problematic. Given that the street should have little traffic, this may be a waiver that we could support, provided that no parking signage is erected along the entire street, and approval of the township engineer and public safety officer is obtained.

---

<sup>1</sup> Abington Master Bicycle Plan:

<https://www.abingtonpa.gov/home/showpublisheddocument/2246/637002480385370000>

B. Pedestrian Accommodations –

1. We recommend the applicant communicate with the Valley Glen Condominium Association to discuss a potential pedestrian connection from Glen Lane to the proposed Independence Avenue [§146-23.H] *[See blue arrows on plan, right]*. This could serve schoolchildren walking to and from McKinley Elementary School, and make both neighborhoods more walkable.
2. How wide is the proposed sidewalk? It should be at least four feet wide [§146-27].



LANDSCAPING AND SCREENING

- A. Vegetation Along Road – We recommend planting vegetation along the west side of Independence Avenue, in addition to the street trees proposed along the east side of the road. Vegetation on the west side could include evergreen shrubs, which would help screen the view of the new road and headlights from the adjacent residential property and provide stormwater management benefits. Some decorative trees may fit in the space as well.
- B. Species Selection – We recommend using at least two species of street trees for resilience (resistance to pests and disease) and visual interest.
- C. Tree Replacement – Shall be undertaken, consistent with Section 2401.A. It does not appear that a tree replacement table is included in the plans. If site disturbance activity on new lots proposes removal of more than 25% of the tree canopy and the trees removed contain a tree with a 6-inch caliper or greater, trees

shall be preserved wherever possible, and those removed that meet the criteria above shall be replaced two-to-one on site by trees 3-to-3.5" or larger in caliper, measured 6" above grade.

#### STEEP SLOPES

- A. SALDO. The applicant is requesting a waiver to allow grading and slopes of 3 to 1.
- B. Zoning. The development must comply with Article XVI: Steep Slope Conservation District of the zoning ordinance.

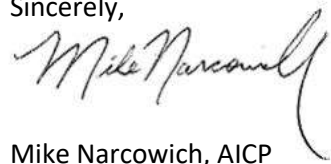
### CONCLUSION

We wish to reiterate that MCPC generally supports the applicant's proposal but we believe that our suggested revisions will better achieve the township's planning objectives for residential development.

Please note that the review comments and recommendations contained in this report are advisory to the township and final disposition for the approval of any proposal will be made by the township.

Should the governing body approve a final plat of this proposal, the applicant must present the plan to our office for seal and signature prior to recording with the Recorder of Deeds office. A paper copy bearing the municipal seal and signature of approval must be supplied for our files. Please print the assigned MCPC number (#22-0027-001) on any plans submitted for final recording.

Sincerely,



Mike Narcowich, AICP  
Community Planning Assistant Manager  
610.278.5238 - [mnarcowi@montcopa.org](mailto:mnarcowi@montcopa.org)

- c: Paul Yanessa, Applicant  
Lawrence J. Byrne, R.P.E., Eastern/Chadrow Associates, Inc., Applicant's Representative  
Khaled R. Hassan, P.E., Pennoni, Township Engineer  
Michael P. Clarke, Esq., Rudolph Clarke, LLC, Township Solicitor

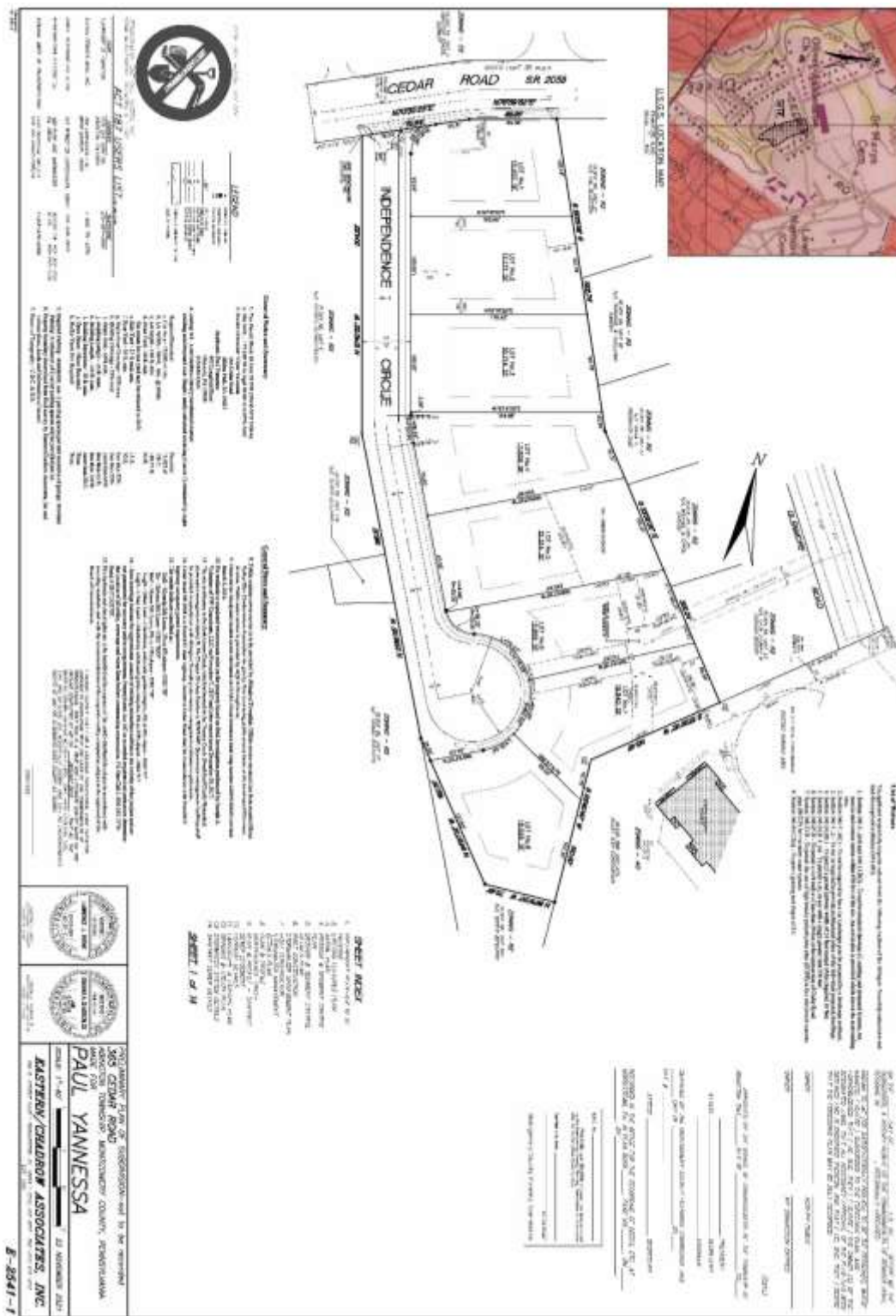
Attachments: APPENDIX 1: Aerial Image, Project Site  
APPENDIX 2: Applicant's Plan



**APPENDIX 1: AERIAL IMAGE, PROJECT SITE**



## APPENDIX 2: APPLICANT'S PLAN





# Post Construction Stormwater Management Report

365 Cedar Road

Abington Township, Montgomery County, Pennsylvania

Prepared for

Paul Yannessia

403 Longfield Road

Glenside, PA 19038

November 22, 2021

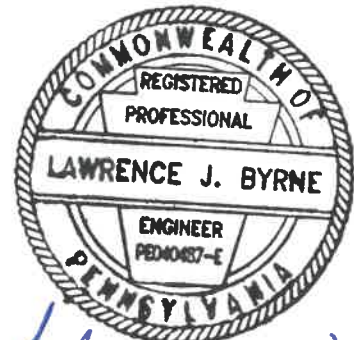
Prepared by

Eastern/Chadrow Associates, Inc.

333 East Street Road

Warminster, PA 18974

215-672-8671



*L. J. Byrne 11/22/2021*

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## **NARRATIVE**

The project is located at 365 Cedar Road (SR 2058) in Abington Township, Montgomery County, PA. The site area is 4.08 acres and is currently occupied by a single family dwelling and garage which are to be removed. The property consists of primarily lawn and brush type ground cover and drains from Cedar Road towards an existing watercourse located at the rear of the property. The present land use for the previous 5 years has been suburban residential. Based on county records the existing dwelling was constructed in 1800. The previously land use dating back to 1952 or 69 years ago when the previous owner purchased the property has been suburban residential with some agricultural use. The purpose of this project is subdivide the property into eight (8) building lots and construct eight (8) new single family dwellings along with associated site utilities and required improvements.

The site is tributary to the Jenkintown Creek, which is located in the Tacony Creek (Frankford Creek) watershed management district B. The Act 167 plan for the Tacony Creek (Frankford Creek) is dated November 24, 2009 and the PA Chapter 93 existing and designated use classification is WWF – MF. The Jenkintown Creek is considered impaired from urban runoff/storm sewers for water/flow variability, flow alterations and other habitat alterations. The onsite soils of the site are mapped GnB – Glenelg silt loam 3% to 8% slopes, Ha - Hatboro silt loam, MaC - Manor silt loam 8% to 15% slopes, UugB – Urban land – Udorthents schist and gneiss complex, 0% to 8% slopes and UugD – Urban land – Udorthents schist and gneiss complex, 8% to 25% slopes. The soils are hydrological groups B and C. The majority of the soils are group B soils so HSG “B” was utilized for the stormwater management calculations to provide a conservative design.

Stormwater management for the site is provided in accordance with Abington Township stormwater management ordinance chapter 142 and is consistent with the PADEP approved and current Act 167 plan and NPDES permit requirements. The stormwater management calculations were prepared with the HydroCAD computer program utilizing the SCS TR-20 Methodology. Onsite soils investigations was performed by VW Consultants on June 1, 2021 and the results of the soils testing are contained in this report. Based on the soils testing one (1) managed release concept rain garden basin in the area of poor soil infiltration and one (1) underground basin consisting of storm chambers in the area of good soils infiltration was determined to be the best method to control and manage the stormwater onsite. The before and after development stormwater management analysis area is the site area or 4.08 acres. The stormwater management calculations are based on 4,500 SF of impervious area per lot plus the impervious paving and sidewalk within the proposed road right of way. Supplemental stormwater calculations and/or stormwater management facilities may be required if the impervious area is exceeded. The managed release basin and underground basin are designed to reduce the after development peak flow rates as indicated in table 409-1T district B of the stormwater ordinance as well as address the volume control and water quality requirements.

Temporary erosion and sedimentation control measures shall be implemented during construction to protect the site and offsite properties from erosion and sedimentation. The following measures shall be implemented: Stabilized construction entrance, silt fence and silt sock

along the down slope limit of disturbance, minimize site disturbance, inlet protection, rock filters, erosion control blanket, and prompt stabilization of disturbed areas. These temporary erosion and sedimentation control measures shall not be removed until a permanent ground cover has been established on contributing disturbed areas. Areas expected to be bare of vegetation shall be immediately provided with temporary seeding and mulching in accordance with the erosion and sediment control plan.

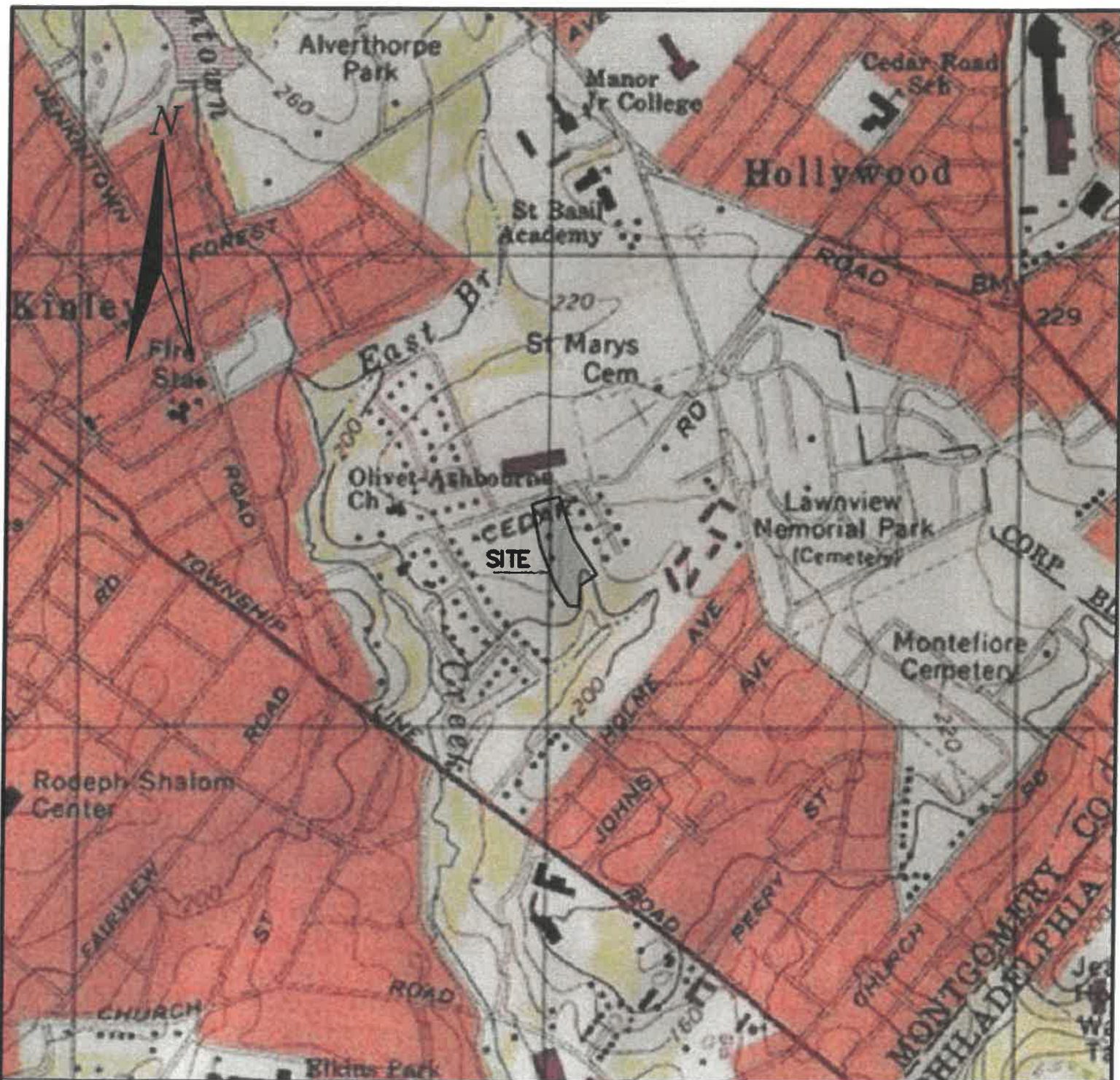
The plan minimizes the extent and duration of earth disturbance. The plan maximizes the protection of existing drainage features and vegetation. The plan minimizes soil compaction and utilizes other measures or controls that prevent or minimize generation of increased stormwater runoff rate and volume. The plan preserves the integrity of stream channels and maintains and protects the physical, biological and chemical qualities of the receiving stream. These are accomplished by minimizing the limit of disturbance, utilizing a construction sequence and utilizing stormwater BMP's such as the Managed Release Basin and underground retention basin BMP's. The plan minimizes impervious areas, soil compaction, land clearing and grading. The plan utilizes structural and non-structural BMP's that prevent or minimize changes in stormwater runoff peak rate and volume. The plan maximizes the protection of existing drainage features and existing vegetation.

A licensed professional shall be onsite for implementation of critical stages of the post construction stormwater management plan. Critical stages shall include the installation of the basins. No known geologic formations or soil conditions exist on site that may have a potential to cause pollution. Thermal controls are provided because the runoff from the majority of the proposed impervious areas drains to the basins where it will have the opportunity to infiltrate into the ground. In addition, vegetation and trees are proposed within the rain garden basin which will provide shade. Riparian buffers are not required for this project because there are no streams or wetlands on the site. No sediment basins or sediment traps are proposed. The basins are not designed as a sediment trap. Therefore calculations are not provided or required. An Anti degradation Analysis is not required because the project is not located in a HQ or EV watershed.

Erosion and Sedimentation Controls are provided for the site in accordance with PADEP Chapter 102 rules and regulations, PA Best Management Practices Manual and the County Conservation District requirements. Stormwater management calculations and the erosion and sedimentation control calculations are contained in the Post Construction Stormwater Management Report and the Erosion and Sediment Control Report. Construction details are provided on the plans.

The stormwater management calculations contained in this report were prepared by Lawrence J. Byrne P.E. Mr. Byrne has approximately 30 years of civil engineering and land development experience. He has designed the stormwater management and erosion & sediment control facilities for numerous projects through southeastern Pennsylvania over his career.





FRANKFORD QUAD

**ECA**

*EASTERN/CHADROW  
ASSOCIATES, INC.*

*333 E. STREET RD.  
WARMINSTER, PA.  
18974*

*EST. 1967*

U.S.G.S. LOCATION MAP

**PAUL YANNESSA**

ABINGTON TWP., MONTGOMERY CO., PENNA.

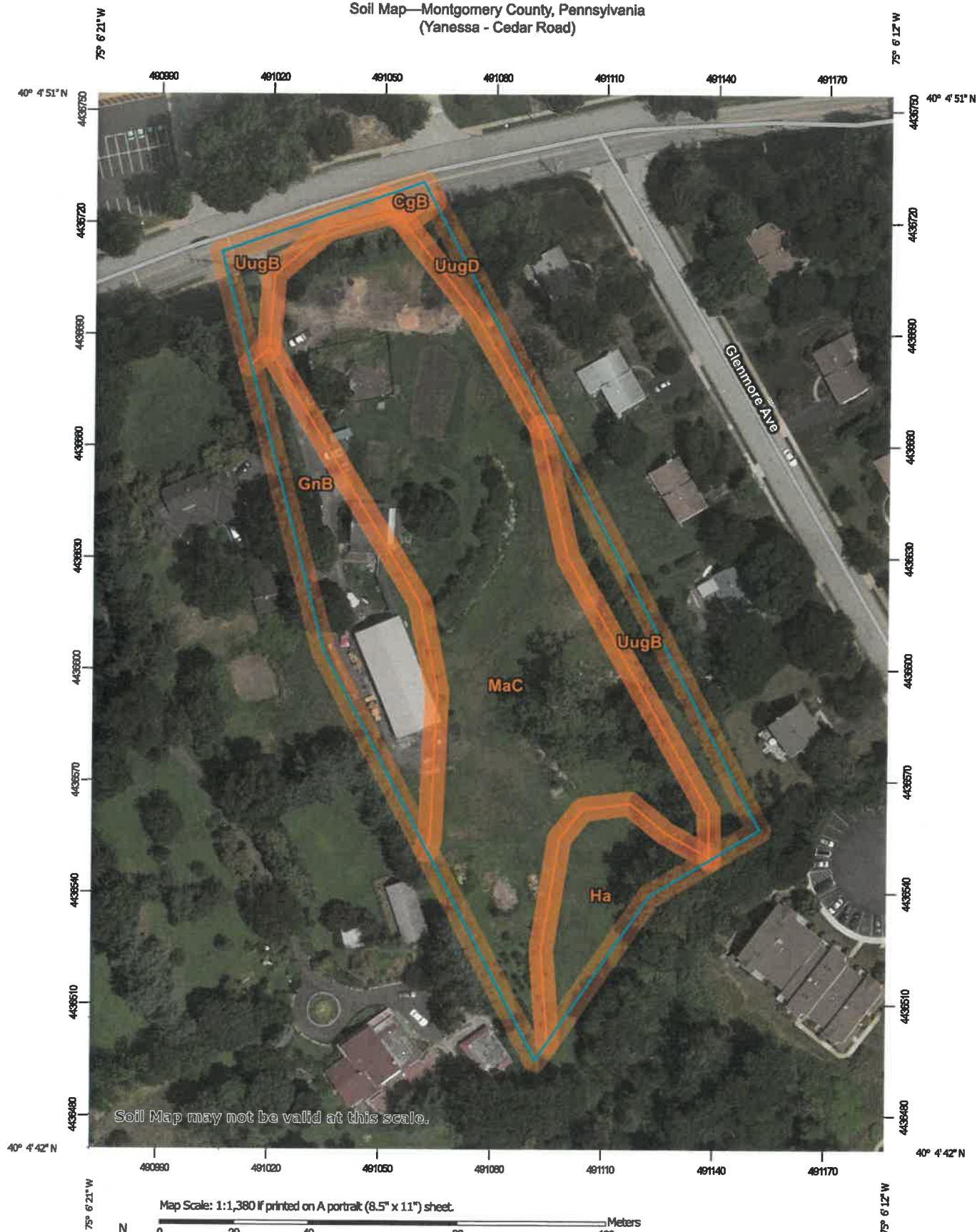
DATE: 11/16/21

SCALE: 1"=1,000'

3  
151



Soil Map—Montgomery County, Pennsylvania  
(Yanessa - Cedar Road)



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

1/26/2018  
Page 1 of 3

## Montgomery County, Pennsylvania

### GnB—Glenelg silt loam, 3 to 8 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2v7gr

*Elevation:* 30 to 1,200 feet

*Mean annual precipitation:* 40 to 55 inches

*Mean annual air temperature:* 48 to 57 degrees F

*Frost-free period:* 150 to 192 days

*Farmland classification:* All areas are prime farmland

#### Map Unit Composition

*Glenelg and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Glenelg

##### Setting

*Landform:* Interfluves, hillslopes

*Landform position (two-dimensional):* Summit, shoulder, backslope

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Linear

*Across-slope shape:* Linear, concave, convex

*Parent material:* Residuum weathered from mica schist

##### Typical profile

*Ap - 0 to 8 inches:* silt loam

*Bt1 - 8 to 18 inches:* clay loam

*Bt2 - 18 to 30 inches:* clay loam

*BCt - 30 to 42 inches:* loam

*CBt - 42 to 54 inches:* loam

*C - 54 to 76 inches:* channery fine sandy loam

##### Properties and qualities

*Slope:* 3 to 8 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water storage in profile:* High (about 10.4 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2e

*Hydrologic Soil Group:* B

*Hydric soil rating:* No

#### **Minor Components**

##### **Gaila**

*Percent of map unit:* 10 percent

*Landform:* Ridges, hillslopes

*Landform position (two-dimensional):* Backslope, shoulder

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Hydric soil rating:* No

##### **Glenville**

*Percent of map unit:* 5 percent

*Landform:* Swales, drainageways

*Landform position (two-dimensional):* Shoulder, backslope

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Concave

*Across-slope shape:* Linear

*Hydric soil rating:* No

### **Data Source Information**

Soil Survey Area: Montgomery County, Pennsylvania

Survey Area Data: Version 11, Oct 4, 2017

## Montgomery County, Pennsylvania

### Ha—Hatboro silt loam

#### Map Unit Setting

*National map unit symbol:* I54h  
*Elevation:* 200 to 800 feet  
*Mean annual precipitation:* 36 to 50 inches  
*Mean annual air temperature:* 48 to 57 degrees F  
*Frost-free period:* 140 to 200 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Hatboro and similar soils:* 95 percent  
*Minor components:* 5 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Hatboro

##### Setting

*Landform:* Flood plains  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Concave, linear  
*Across-slope shape:* Concave, linear  
*Parent material:* Alluvium derived from metamorphic and sedimentary rock

##### Typical profile

*Ap - 0 to 9 inches:* silt loam  
*Bg - 9 to 44 inches:* silt loam  
*Cg - 44 to 56 inches:* sandy clay loam  
*C - 56 to 70 inches:* stratified gravelly sand to clay

##### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* 60 to 99 inches to lithic bedrock  
*Natural drainage class:* Poorly drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):*  
 Moderately high to high (0.60 to 2.00 in/hr)  
*Depth to water table:* About 0 to 6 inches  
*Frequency of flooding:* Frequent  
*Frequency of ponding:* None  
*Available water storage in profile:* High (about 9.7 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4w  
*Hydrologic Soil Group:* B/D  
*Hydric soil rating:* Yes



### Minor Components

#### Glenville

*Percent of map unit:* 5 percent

*Landform:* Hillslopes

*Landform position (two-dimensional):* Footslope, backslope

*Landform position (three-dimensional):* Side slope, head slope

*Down-slope shape:* Linear, concave

*Across-slope shape:* Concave, linear

*Hydric soil rating:* No

### Data Source Information

Soil Survey Area: Montgomery County, Pennsylvania

Survey Area Data: Version 11, Oct 4, 2017

## Montgomery County, Pennsylvania

### MaC—Manor loam, 8 to 15 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2tkpw

*Elevation:* 50 to 1,080 feet

*Mean annual precipitation:* 35 to 50 inches

*Mean annual air temperature:* 48 to 57 degrees F

*Frost-free period:* 150 to 220 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Manor and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Manor

##### Setting

*Landform:* Hills

*Landform position (two-dimensional):* Summit, shoulder, backslope

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Residuum weathered from mica schist

##### Typical profile

*A1 - 0 to 2 inches:* loam

*A2 - 2 to 6 inches:* sandy loam

*Bw1 - 6 to 13 inches:* fine sandy loam

*Bw2 - 13 to 22 inches:* fine sandy loam

*C1 - 22 to 30 inches:* fine sandy loam

*C2 - 30 to 44 inches:* channery coarse sand

*C3 - 44 to 53 inches:* loamy sand

*C4 - 53 to 83 inches:* channery loamy sand

*Cr - 83 to 108 inches:* bedrock

*R - 108 to 138 inches:* bedrock

##### Properties and qualities

*Slope:* 8 to 15 percent

*Percent of area covered with surface fragments:* 0.0 percent

*Depth to restrictive feature:* 59 to 100 inches to paralithic bedrock;

100 to 128 inches to lithic bedrock

*Natural drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low (0.01 to 0.07 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water storage in profile:* Moderate (about 8.8 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* B

*Hydric soil rating:* No

**Minor Components****Glenville**

*Percent of map unit:* 5 percent

*Landform:* Swales, drainageways

*Landform position (two-dimensional):* Footslope, toeslope

*Landform position (three-dimensional):* Base slope, head slope

*Down-slope shape:* Concave

*Across-slope shape:* Linear

*Hydric soil rating:* No

**Mt. airy**

*Percent of map unit:* 5 percent

*Landform:* Hillslopes

*Landform position (two-dimensional):* Summit, shoulder

*Landform position (three-dimensional):* Nose slope

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Hydric soil rating:* No

**Blocktown**

*Percent of map unit:* 5 percent

*Landform:* Hillslopes

*Landform position (two-dimensional):* Backslope, shoulder

*Landform position (three-dimensional):* Side slope, interfluvial, nose slope

*Down-slope shape:* Convex, linear

*Across-slope shape:* Convex, linear

*Hydric soil rating:* No

**Data Source Information**

Soil Survey Area: Montgomery County, Pennsylvania

Survey Area Data: Version 11, Oct 4, 2017

## Montgomery County, Pennsylvania

### UugB—Urban land-Udorthents, schist and gneiss complex, 0 to 8 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2dtz7

*Elevation:* 200 to 2,000 feet

*Mean annual precipitation:* 35 to 55 inches

*Mean annual air temperature:* 45 to 61 degrees F

*Frost-free period:* 110 to 235 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Urban land:* 80 percent

*Udorthents, schist and gneiss, and similar soils:* 15 percent

*Minor components:* 5 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Urban Land

##### Setting

*Landform:* Hills

*Landform position (two-dimensional):* Summit, shoulder, backslope

*Landform position (three-dimensional):* Interfluvium, side slope, nose slope

*Down-slope shape:* Linear, convex

*Across-slope shape:* Convex, linear

*Parent material:* Pavement, buildings and other artificially covered areas

##### Typical profile

*C - 0 to 6 inches:* variable

##### Properties and qualities

*Slope:* 0 to 8 percent

*Depth to restrictive feature:* 10 to 99 inches to lithic bedrock

*Available water storage in profile:* Very low (about 0.0 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 8s

*Hydric soil rating:* No

#### Description of Udorthents, Schist And Gneiss

##### Setting

*Landform:* Hills

*Landform position (two-dimensional):* Summit, shoulder, backslope

*Landform position (three-dimensional):* Interfluvium, side slope, nose slope

*Down-slope shape:* Linear, convex

*Across-slope shape:* Convex, linear

*Parent material:* Graded areas of schist and/or gneiss

**Typical profile**

*Ap - 0 to 6 inches:* loam

*C - 6 to 40 inches:* silty clay loam

*R - 40 to 60 inches:* bedrock

**Properties and qualities**

*Slope:* 0 to 8 percent

*Depth to restrictive feature:* 20 to 70 inches to paralithic bedrock

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* About 60 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water storage in profile:* Moderate (about 6.8 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7s

*Hydrologic Soil Group:* C

*Hydric soil rating:* No

**Minor Components**

**Glenelg**

*Percent of map unit:* 1 percent

*Landform:* Hillslopes

*Landform position (two-dimensional):* Summit, shoulder, backslope

*Landform position (three-dimensional):* Interfluvial, side slope, nose slope

*Down-slope shape:* Linear, convex

*Across-slope shape:* Convex, linear

*Hydric soil rating:* No

**Edgemont**

*Percent of map unit:* 1 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Summit

*Landform position (three-dimensional):* Mountaintop

*Down-slope shape:* Convex, linear

*Across-slope shape:* Linear, convex

*Hydric soil rating:* No

**Glenville**

*Percent of map unit:* 1 percent

*Landform:* Hillslopes

*Landform position (two-dimensional):* Footslope, backslope

*Landform position (three-dimensional):* Side slope, head slope

*Down-slope shape:* Linear, concave

*Across-slope shape:* Concave, linear



*Hydric soil rating:* No

**Baile**

*Percent of map unit:* 1 percent

*Landform:* Depressions

*Landform position (two-dimensional):* Footslope

*Landform position (three-dimensional):* Base slope

*Down-slope shape:* Linear, concave

*Across-slope shape:* Concave, linear

*Hydric soil rating:* Yes

**Gladstone**

*Percent of map unit:* 1 percent

*Landform:* Hillslopes

*Landform position (two-dimensional):* Summit, shoulder

*Landform position (three-dimensional):* Nose slope, side slope

*Down-slope shape:* Linear, convex

*Across-slope shape:* Linear, convex

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Montgomery County, Pennsylvania

Survey Area Data: Version 11, Oct 4, 2017

## **Soils Limitation and Resolutions for Appendix E**

<b><u>Limitation</u></b>	<b><u>Resolution</u></b>
<b>* Cutbacks &amp; cave in</b>	<b>All applicable OSHA standards in regards to trenching and excavation must be implemented at all times.</b>
<b>* Corrosive</b>	<b>Suitable precautions should be taken to protect concrete and steel underground pipes, conduits and storage tanks. Utilize PVC or HDPE pipe as applicable.</b>
<b>Droughty</b>	<b>Provide soil amendments such as compost or organic material.</b>
<b>* Easily erodible</b>	<b>Stabilize immediately with suitable protection such as erosion control blanket, hydroseeding, sod etc.</b>
<b>* Flooding</b>	<b>No work or earth disturbance in flooded soils without proper dewatering.</b>
<b>* Seasonal High Water</b>	<b>Dewater excavated areas and trenches by pumping through filter bag or sediment trap. If possible drain by gravity under drain to stabilized areas or sediment traps.</b>
<b>* Hydric soils</b>	<b>Remove and replace with suitable material as needed.</b>
<b>* Low Strength/Landslide</b>	<b>All applicable OSHA standards in regards to slope construction must be implemented at all times. Minimize slope steepness. Remove and replace with suitable material as needed.</b>
<b>* Slow Percolation</b>	<b>Dewater excavated areas and trenches by pumping through filter bag or sediment trap. If possible drain by gravity under drain to stabilized areas or sediment traps. Provide applicable soils testing prior to design of BMP's. Utilize amended soils. Remove and replace with suitable material as needed.</b>
<b>* Piping</b>	<b>Utilize water tight pipes and appropriately designed materials and construction techniques.</b>
<b>* Poor Topsoil</b>	<b>Perform soils testing and supplement the soils as recommended with organic material, Lime and fertilizer.</b>

- \* Frost Action**                      **Precautions are needed to prevent damage, especially to roadways. Suitable design shall be utilized.**
  
- Shrink-Swell                      Remove and replace with suitable material as needed.
  
- Potential Sinkhole              Applicable to carbonate areas. Perform site specific investigation to determine if sink holes and carbonate features are present. Remediate as necessary based on site specific recommendation.
  
- Ponding                              No work or earth disturbance in flooded or ponding soils without proper dewatering.
  
- \* Wetness**                              **No work or earth disturbance in flooded or ponding soils without proper dewatering. Allow wet soils to dry out as needed.**
  
- \* Limitations for Glenelg silt loam, Hatboro silt loam, Manor loam and Urban land – Udorthents.**

### **Summary of Peak Flows**

<b><u>Storm</u></b>	<b><u>Before</u></b>	<b><u>After</u></b>
100 yr.	18.06	16.49
50 yr.	14.07	9.86
25 yr.	10.53	5.79
10 yr.	6.72	3.31
5 yr.	4.37	2.19
2 yr.	1.96	1.47
1 yr.	0.78	1.08

All flows in CFS based on TR-20 Method

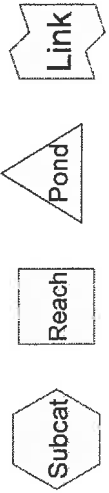
In accordance with Abington Township Stormwater Management Ordinance chapter 142-409.B peak rate control and table 409.1T district B the after development peak flow rates for the site shall be reduced as follows:

The 100 year post reduced to 100 year pre; 50 year post reduced to 25 year pre; 25 year post reduced to 10 year pre; 10 year post reduced to 5 year pre; 5 year post reduced to 2 year pre and the 2 year post reduced to 1 year pre. Offsite areas flowing through the development and un impacted site areas are not subject to peak rate requirements.

The 2 year storm after development has been reduced to less than the 2 year storm before development, however a there is a negligible increase over the 1 year storm before development. It is not physically feasible to reduce the 2 year after to the 1 year before therefore the applicant will request a waiver from that requirement if applicable.



# Analysis Site Area



**Routing Diagram for Yannessa Before**

Prepared by {enter your company name here}, Printed 9/24/2021  
HydroCAD® 10.00-26 s/n 07617 © 2020 HydroCAD Software Solutions LLC



**Yannessa Before**

Type II 24-hr 100-Year Rainfall=7.63"

Prepared by {enter your company name here}

Printed 9/24/2021

HydroCAD® 10.00-26 s/n 07617 © 2020 HydroCAD Software Solutions LLC

**Summary for Subcatchment 1B: Analysis Site Area**

Runoff = 18.06 cfs @ 12.05 hrs, Volume= 1.076 af, Depth= 3.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs  
Type II 24-hr 100-Year Rainfall=7.63"

Area (ac)	CN	Description
* 3.713	58	Pervious areas consider as Meadow
* 0.294	98	Ex. Impervious
* 0.073	58	20% of Ex. impervious as meadow
4.080	61	Weighted Average
3.786		92.79% Pervious Area
0.294		7.21% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.2	50	0.0400	0.14		<b>Sheet Flow, Section 1</b>
					Grass: Dense n= 0.240 P2= 3.26"
6.1	600	0.0550	1.64		<b>Shallow Concentrated Flow, Section 2</b>
					Short Grass Pasture Kv= 7.0 fps
12.3	650	Total			

**Yannessa Before***Type II 24-hr 100-Year Rainfall=7.63"*

Prepared by {enter your company name here}

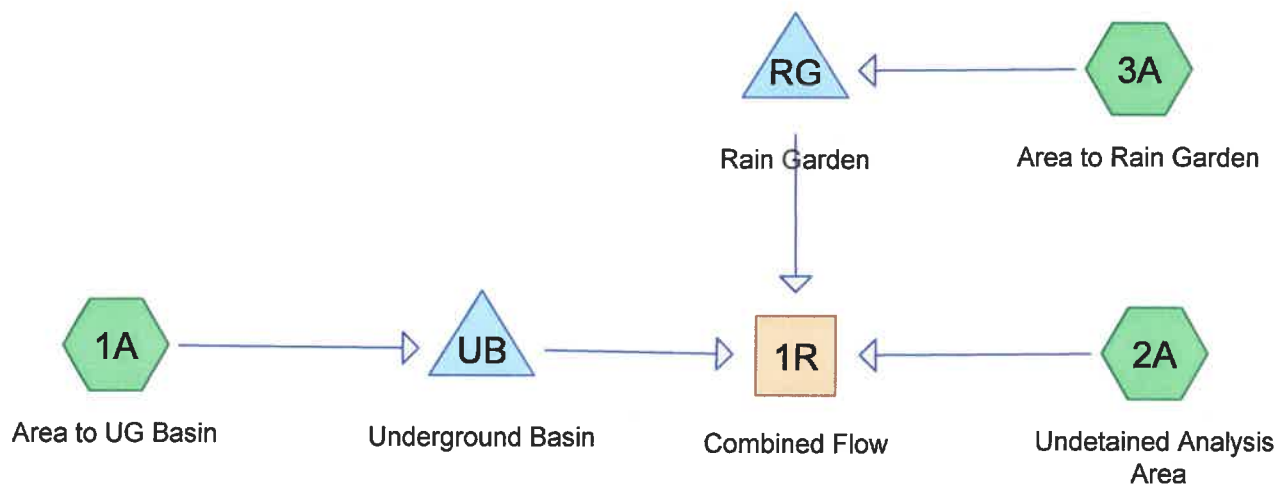
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**Events for Subcatchment 1B: Analysis Site Area**

Event	Rainfall (inches)	Runoff (cfs)	Volume (acre-feet)	Depth (inches)
1-Year	2.71	0.78	0.089	0.26
2-Year	3.26	1.96	0.159	0.47
5-Year	4.11	4.37	0.295	0.87
10-Year	4.81	6.72	0.427	1.26
25-Year	5.83	10.53	0.643	1.89
50-Year	6.70	14.07	0.846	2.49
100-Year	<b>7.63</b>	<b>18.06</b>	<b>1.076</b>	<b>3.17</b>



**Routing Diagram for Yannessa After**  
 Prepared by L. J. Byrne Engineering, LLC, Printed 11/2/2021  
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**Summary for Subcatchment 1A: Area to UG Basin**

Runoff = 13.85 cfs @ 11.97 hrs, Volume= 0.745 af, Depth= 5.59"

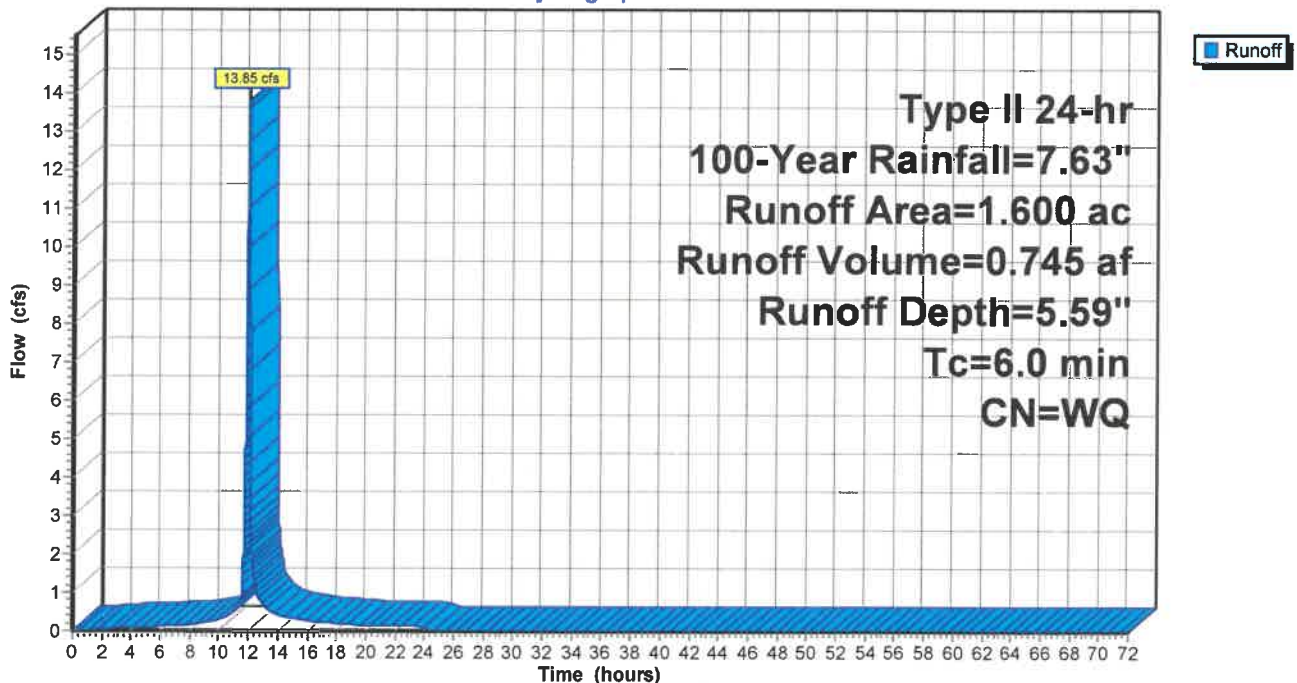
Runoff by SCS TR-20 method, UH=SCS, Weighted-Q, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs  
Type II 24-hr 100-Year Rainfall=7.63"

Area (ac)	CN	Description
* 0.918	98	Proposed Impervious
0.682	61	>75% Grass cover, Good, HSG B
1.600		Weighted Average
0.682		42.63% Pervious Area
0.918		57.37% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry, Use Minimum Tc of 6 minutes

**Subcatchment 1A: Area to UG Basin**

Hydrograph



**Summary for Subcatchment 2A: Undetained Analysis Area**

Runoff = 5.76 cfs @ 12.04 hrs, Volume= 0.368 af, Depth= 4.50"

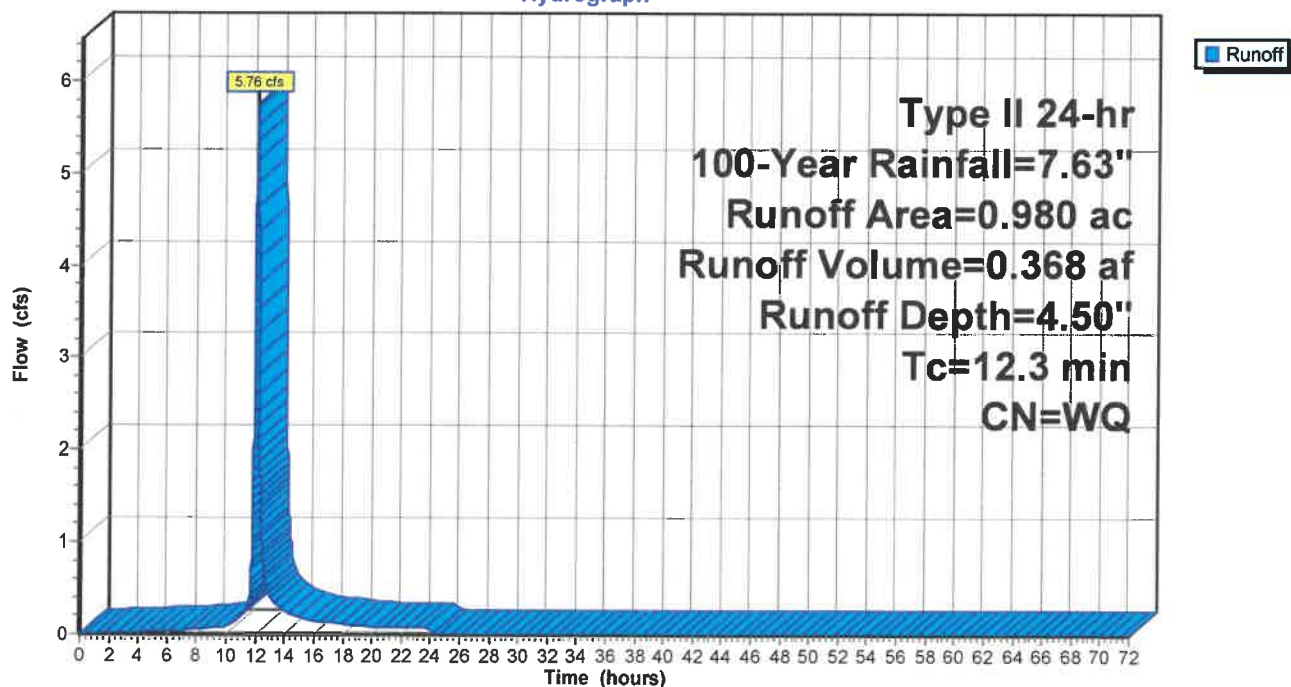
Runoff by SCS TR-20 method, UH=SCS, Weighted-Q, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs  
Type II 24-hr 100-Year Rainfall=7.63"

Area (ac)	CN	Description
0.670	61	>75% Grass cover, Good, HSG B
* 0.310	98	Impervious houses & drives HSG B
0.980		Weighted Average
0.670		68.37% Pervious Area
0.310		31.63% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.3					Direct Entry, Use before development Tc

**Subcatchment 2A: Undetained Analysis Area**

Hydrograph





**Summary for Subcatchment 3A: Area to Rain Garden**

Runoff = 9.82 cfs @ 11.97 hrs, Volume= 0.485 af, Depth= 3.88"

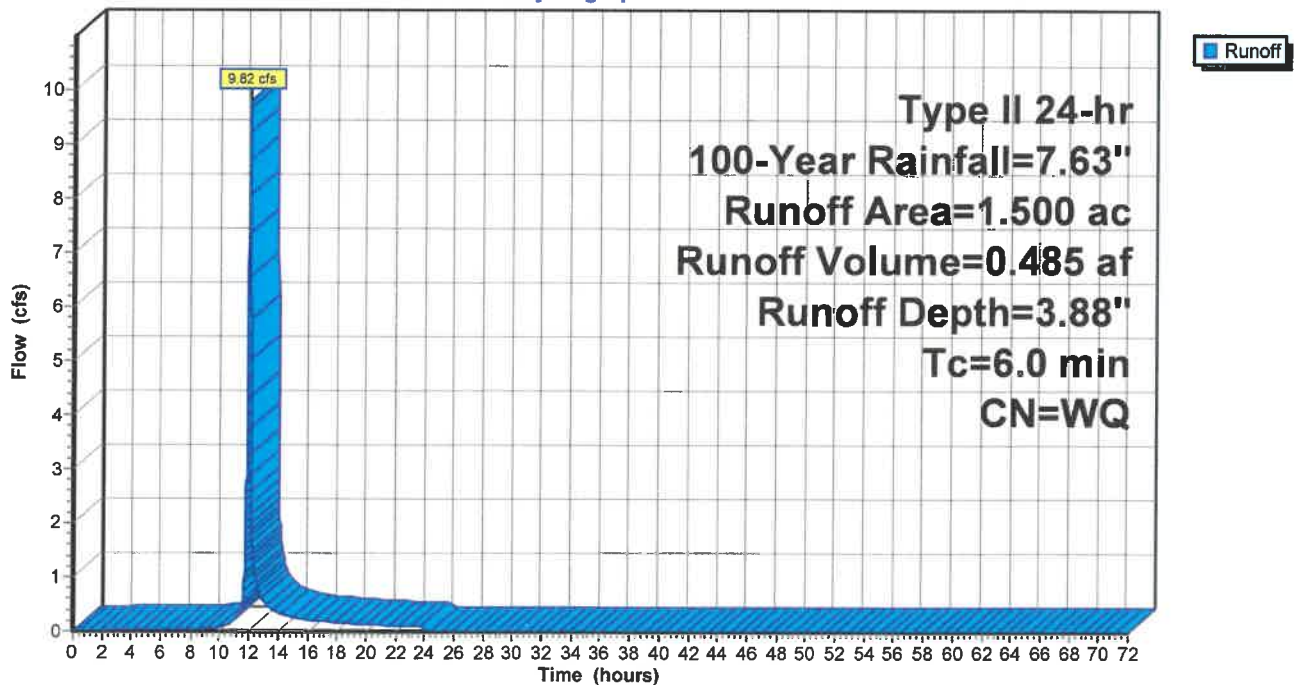
Runoff by SCS TR-20 method, UH=SCS, Weighted-Q, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs  
Type II 24-hr 100-Year Rainfall=7.63"

Area (ac)	CN	Description
1.247	61	>75% Grass cover, Good, HSG B
* 0.253	98	Impervious houses & drives HSG B
1.500		Weighted Average
1.247		83.13% Pervious Area
0.253		16.87% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry, Use minimum Tc of 6 minutes

**Subcatchment 3A: Area to Rain Garden**

Hydrograph



**Summary for Reach 1R: Combined Flow**

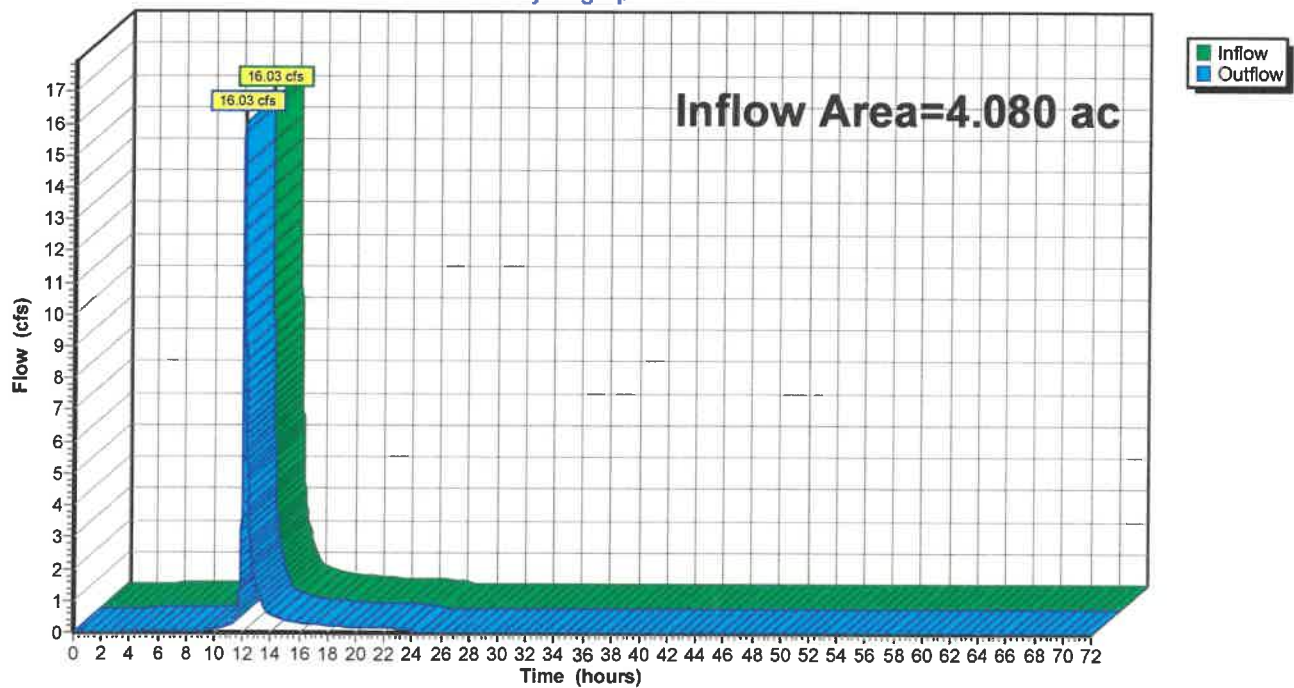
[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 4.080 ac, 36.30% Impervious, Inflow Depth = 2.44" for 100-Year event  
Inflow = 16.03 cfs @ 12.06 hrs, Volume= 0.831 af  
Outflow = 16.03 cfs @ 12.06 hrs, Volume= 0.831 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs

**Reach 1R: Combined Flow**

Hydrograph



**Summary for Pond RG: Rain Garden**

Inflow Area = 1.500 ac, 16.87% Impervious, Inflow Depth = 3.88" for 100-Year event  
 Inflow = 9.82 cfs @ 11.97 hrs, Volume= 0.485 af  
 Outflow = 5.46 cfs @ 12.05 hrs, Volume= 0.470 af, Atten= 44%, Lag= 4.8 min  
 Discarded = 0.05 cfs @ 12.05 hrs, Volume= 0.200 af  
 Primary = 5.41 cfs @ 12.05 hrs, Volume= 0.270 af

Routing by Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs  
 Peak Elev= 205.85' @ 12.05 hrs Surf.Area= 4,665 sf Storage= 8,469 cf

Plug-Flow detention time= 666.9 min calculated for 0.470 af (97% of inflow)  
 Center-of-Mass det. time= 649.4 min ( 1,458.6 - 809.2 )

Volume	Invert	Avail.Storage	Storage Description	
#1	202.00'	9,180 cf	<b>Custom Stage Data (Prismatic)</b> Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
202.00	3,200	0.0	0	0
204.00	3,200	20.0	1,280	1,280
205.00	3,900	100.0	3,550	4,830
206.00	4,800	100.0	4,350	9,180

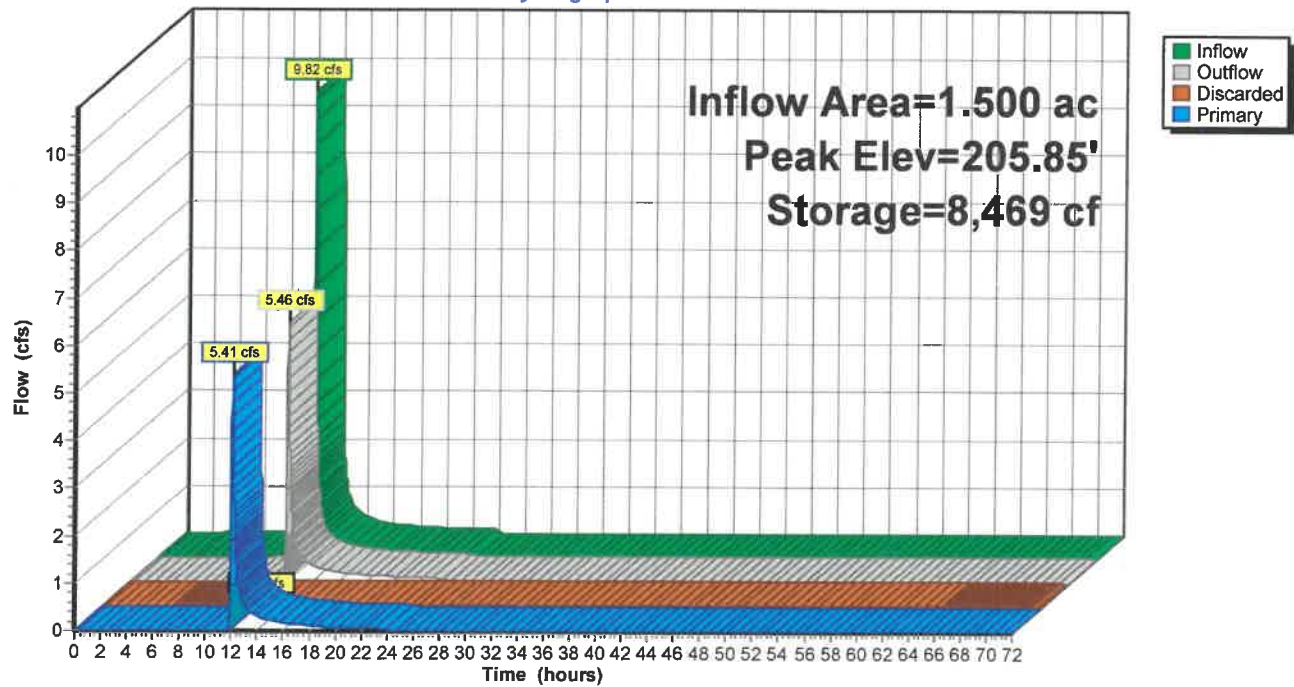
Device	Routing	Invert	Outlet Devices
#1	Primary	200.00'	<b>15.0" Round Culvert</b> L= 100.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 200.00' / 196.25' S= 0.0375 '/' Cc= 0.900 n= 0.010 PVC, smooth interior, Flow Area= 1.23 sf
#2	Discarded	202.50'	<b>1.0" Vert. Orifice/Grate</b> C= 0.600
#3	Device 1	205.50'	<b>24.0" x 24.0" Horiz. Orifice/Grate</b> C= 0.600 Limited to weir flow at low heads

**Discarded OutFlow** Max=0.05 cfs @ 12.05 hrs HW=205.85' (Free Discharge)  
 ↳ **2=Orifice/Grate** (Orifice Controls 0.05 cfs @ 8.76 fps)

**Primary OutFlow** Max=5.39 cfs @ 12.05 hrs HW=205.85' (Free Discharge)  
 ↳ **1=Culvert** (Passes 5.39 cfs of 13.51 cfs potential flow)  
 ↳ **3=Orifice/Grate** (Weir Controls 5.39 cfs @ 1.93 fps)

# **Pond RG: Rain Garden**

Hydrograph



**Yannessa After**

Prepared by L. J. Byrne Engineering, LLC

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Type II 24-hr 100-Year Rainfall=7.63"

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**Stage-Area-Storage for Pond RG: Rain Garden**

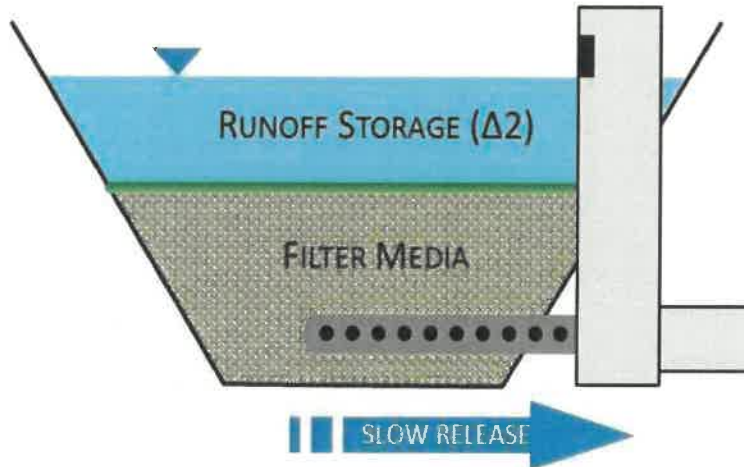
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.00	3,200	0	204.60	3,620	3,326
202.05	3,200	32	204.65	3,655	3,508
202.10	3,200	64	204.70	3,690	3,691
202.15	3,200	96	204.75	3,725	3,877
202.20	3,200	128	204.80	3,760	4,064
202.25	3,200	160	204.85	3,795	4,253
202.30	3,200	192	204.90	3,830	4,444
202.35	3,200	224	204.95	3,865	4,636
202.40	3,200	256	205.00	3,900	4,830
202.45	3,200	288	205.05	3,945	5,026
202.50	3,200	320	205.10	3,990	5,224
202.55	3,200	352	205.15	4,035	5,425
202.60	3,200	384	205.20	4,080	5,628
202.65	3,200	416	205.25	4,125	5,833
202.70	3,200	448	205.30	4,170	6,041
202.75	3,200	480	205.35	4,215	6,250
202.80	3,200	512	205.40	4,260	6,462
202.85	3,200	544	205.45	4,305	6,676
202.90	3,200	576	205.50	4,350	6,893
202.95	3,200	608	205.55	4,395	7,111
203.00	3,200	640	205.60	4,440	7,332
203.05	3,200	672	205.65	4,485	7,555
203.10	3,200	704	205.70	4,530	7,780
203.15	3,200	736	205.75	4,575	8,008
203.20	3,200	768	205.80	4,620	8,238
203.25	3,200	800	205.85	4,665	8,470
203.30	3,200	832	205.90	4,710	8,705
203.35	3,200	864	205.95	4,755	8,941
203.40	3,200	896	206.00	4,800	9,180
203.45	3,200	928			
203.50	3,200	960			
203.55	3,200	992			
203.60	3,200	1,024			
203.65	3,200	1,056			
203.70	3,200	1,088			
203.75	3,200	1,120			
203.80	3,200	1,152			
203.85	3,200	1,184			
203.90	3,200	1,216			
203.95	3,200	1,248			
204.00	3,200	1,280			
204.05	3,235	1,441			
204.10	3,270	1,603			
204.15	3,305	1,768			
204.20	3,340	1,934			
204.25	3,375	2,102			
204.30	3,410	2,272			
204.35	3,445	2,443			
204.40	3,480	2,616			
204.45	3,515	2,791			
204.50	3,550	2,968			
204.55	3,585	3,146			

static  
storage

← Basin  
Bottom



## BMP 6.4.11: Slow Release Concept



The Slow Release Concept (SRC) is a stormwater strategy used to manage the increase in the pre vs. post development runoff volume through attenuation and discharge of storm events up to and including the 2-year 24-hour storm ( $\Delta 2$  volume). The goal of the SRC is to mimic the normal baseflow hydrology in the receiving stream. The SRC can be used in tandem with volume management measures such as infiltration and evapotranspiration. This concept can be used in either above-ground or underground storage systems – though underground systems will be more challenging and costly.

<ul style="list-style-type: none"> <li>• This BMP follows Title 25, Chapter <a href="#">102.11(b)</a> for Alternative BMP and design standards.</li> <li>• Maintain a minimum 1-foot separation to the seasonally high water table which should be verified by bore pit analysis. Minimum thickness for amended soil/ filter media is 2 feet (24") to ensure adequate pollutant removal.</li> <li>• Infiltration Guidelines and Soil Testing Protocols apply to show that standard infiltration is not viable or not fully achievable. Justification and documentation is required including an analysis of which volume reducing BMPs were considered as not feasible and why.</li> <li>• Design to hold and slowly release the difference in the pre vs post development runoff volume of the 2-yr 24-hour storm (<math>\Delta 2</math>)</li> <li>• Maximize non-structural BMPs on-site. The BMP manual allows volume credit up to 25% of the <math>\Delta 2</math>.</li> <li>• Must utilize soil amendments and restoration (per BMP 6.7.3) on all disturbed areas to be revegetated – as feasible.</li> <li>• Provide positive stormwater overflow through engineered outlet structure. (as depicted)</li> <li>• Above ground storage systems will typically utilize an underdrain system. (as depicted)</li> </ul>	<p>Commercial: Yes  Ultra Urban: Yes  Industrial: Yes  Retrofit: Yes  Highway/Road: Yes</p> <hr/> <p><b><u>Stormwater Functions</u></b></p> <p>Volume Mgmt: High  Recharge: Low  Peak Rate Control: Low-High  Water Quality: High</p> <hr/> <p><b><u>Water Quality Functions</u></b></p> <p>TSS: 85%  TP: 85%  NO3: 30%</p>
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### Other Considerations

- The Slow Release Concept (SRC) can be used when a volume increase still remains only after all other volume management BMPs have been utilized and/or exhausted including structural and non-structural BMPs. Justification and documentation are required including an analysis of which volume reducing BMPs were considered as not feasible and the reasons why.
- **Protocol 1. Site Evaluation and Soil Infiltration Testing and Protocol 2. Infiltration Systems Guidelines** should be followed to clearly demonstrate a lack of infiltration capability on site, see Appendix C.
- Hydraulic Loading is an important consideration. Sizing Criteria for these BMPs are discussed in the Design Considerations below.
- Pollutant Loading is also an important consideration. Water Quality Treatment, including pretreatment, is vital to the success of this BMP.

### Description

The Slow Release Concept (SRC) is a volume management strategy that collects, stores, and filters captured runoff through a water quality media/device, and slowly releases the treated volume to an on-site or off-site surface water. The SRC utilizes a storage area, either above-ground or underground, that temporarily impounds the captured runoff from storm events up to and including the 2-year 24-hour storm. The runoff is then filtered through a water quality media or equivalent water quality treatment device prior to slowly discharging the treated volume. As previously noted, the storage area can either be an above ground basin or an underground storage area, i.e., stone trench, vaults, chambers, etc. For above ground storage, shading is highly recommended to reduce thermal impacts.

SRC may be confused with extended detention, however it differs for the following reasons:

- The slow release concept manages the volume for all storms up to and including the 2-year/24-hour storm when the collected rain drains through the 2 feet of amended soils. This follows 102.8(g)(2). After draining through the amended soils, the runoff is discharged through an underdrain and dewatered between 24 to 72 hours. (Equivalent Water Quality BMP(s) and drain set up would be needed for underground systems using SRC and documented using Worksheets 12 and 13) The size (stream order) and the physical condition of the stream needs to be taken into account when determining the appropriate drain time. Low order streams which may be more susceptible to erosion should maximize drain time to 72 hours. Research supports that this approach is acceptable and helps "mimic" baseflow. (or rather the interflow portion of the stream hydrograph) The objective of slow release is provide volume management for the "stream bank protection" stage of the basin and to provide water quality treatment.
- The extended detention (ED) volume is for storms events greater than the 2-year (up to the 100 year) which is much greater in magnitude and is discharged through higher orifice(s) on a multi-stage outlet structure. The objective of ED is to provide peak rate control and to hold the "flood protection" stage of the basin for as long as possible and to safely convey the discharge to the receiving stream.

The system can incorporate infiltration and evapotranspiration as site conditions allow. The outflow

## INTERIM FINAL

should be designed to mimic normal baseflow conditions in the receiving waters and help support aquatic habitat. The quality of the runoff is treated by the natural cleansing processes of soil media (including any infiltration that may occur). Additional water quality is treated through the vegetation planted in the above ground systems. The keys to this slow release process are to minimize the height of the water stored and discharge in a manner to minimize its duration so that the captured volume do not lead to plant mortality or stagnant water issues in the basin; and not lead to any erosion issues after being discharged out of the basin. The designer shall demonstrate through their design and plant selection that ponding time will not adversely affect vegetation.

Slow release is typically incorporated into a multi-stage detention facility with the upper portions of the facility providing flow attenuation for storm events greater than a 2-year 24-hour storm – up to an including the 100-year 24-hour storm. In the absence of a multi-stage system, an engineered overflow structure should be provided to provide safe conveyance for the 100-year storm. As previously noted the drain time is project-specific and receiving-stream dependent and hence can vary – but will typically be between 24 and 72 hours after the 2-year/24-hour storm event in accordance with Chapter 3 of this manual. Stream channel protection may also be a design consideration.

### Applications

- This concept can be utilized with various BMPs. The designer would need to determine proper suitability and can adapt various elements to achieve project goals.
- This concept can be used for both new construction and retrofit projects.
- Other applications of SRC may be determined by the Design Professional, as appropriate, with DEP approval.

### Design Considerations

1. Follow design considerations for BMP and associated volume management approach. This strategy would need to be affirmatively analyzed by a person trained in PCSM design. This strategy should only be considered after all other volume management BMPs have been utilized and/or exhausted<sup>1</sup> including structural and non-structural BMPs. **Justification and documentation is required including an analysis of which volume reducing BMPs were considered as not feasible and the reasons why.** This analysis is even more crucial in special protection watersheds and need to be incorporated into the Antidegradation Analysis.
2. Soil testing and evaluation is one of the important steps in this process. Adequate soils testing and evaluation must be performed to demonstrate to the satisfaction of DEP or other reviewing authority that infiltration is not feasible on the entire project site and that at least one foot of separation distance exists between seasonal high water table and bottom of BMP.
  - a. The designer should go through each BMP in Chapters 5 and 6 of this Manual (or other acceptable reference), and incorporate each BMP into their design to manage the proposed increase in volume. Chapter 3 of the BMP Manual is also a good reference for sites with limited infiltration capacity.
  - b. The designer should maximize Infiltration BMPs strategies.
3. When there is a deficit between the amount of infiltration achievable and the amount required (i.e. through Worksheets #4 and 5), the designer can incorporate this slow release volume mitigation strategy.
  - a. After determining the deficit runoff volume to be managed, BMP(s) should be designed to manage this runoff volume through a slow release device. Slow release devices can

**Summary for Pond UB: Underground Basin**

Inflow Area = 1.600 ac, 57.37% Impervious, Inflow Depth = 5.59" for 100-Year event  
 Inflow = 13.85 cfs @ 11.97 hrs, Volume= 0.745 af  
 Outflow = 6.08 cfs @ 12.07 hrs, Volume= 0.745 af, Atten= 56%, Lag= 5.9 min  
 Discarded = 1.03 cfs @ 12.07 hrs, Volume= 0.552 af  
 Primary = 5.05 cfs @ 12.07 hrs, Volume= 0.193 af

Routing by Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.01 hrs  
 Peak Elev= 210.39' @ 12.07 hrs Surf.Area= 3,051 sf Storage= 10,005 cf

Plug-Flow detention time= 48.4 min calculated for 0.745 af (100% of inflow)  
 Center-of-Mass det. time= 48.4 min ( 811.5 - 763.1 )

Volume	Invert	Avail.Storage	Storage Description
#1A	204.00'	5,045 cf	<b>39.50'W x 60.58'L x 6.50'H Field A</b> 15,553 cf Overall - 2,940 cf Embedded = 12,613 cf x 40.0% Voids
#2A	205.00'	2,940 cf	<b>ADS_StormTech SC-740 +Cap x 64 Inside #1</b> Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 64 Chambers in 8 Rows
#3B	204.00'	1,417 cf	<b>20.50'W x 32.10'L x 6.50'H Field B</b> 4,277 cf Overall - 735 cf Embedded = 3,542 cf x 40.0% Voids
#4B	205.00'	735 cf	<b>ADS_StormTech SC-740 +Cap x 16 Inside #3</b> Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 16 Chambers in 4 Rows
			10,137 cf Total Available Storage

Storage Group A created with Chamber Wizard

Storage Group B created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	203.00'	<b>18.0" Round Culvert</b> L= 125.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 203.00' / 196.00' S= 0.0560 ' / Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf
#2	Device 1	206.50'	<b>6.0" Vert. Orifice/Grate C= 0.600</b>
#3	Device 1	208.00'	<b>18.0" W x 3.0" H Vert. Orifice/Grate C= 0.600</b>
#4	Device 1	210.25'	<b>3.0' long Sharp-Crested Rectangular Weir 2 End Contraction(s)</b>
#5	Discarded	204.00'	<b>5.600 in/hr Exfiltration over Surface area</b> Conductivity to Groundwater Elevation = 200.00'

**Discarded OutFlow** Max=1.03 cfs @ 12.07 hrs HW=210.39' (Free Discharge)  
 ↳5=Exfiltration ( Controls 1.03 cfs)

**Primary OutFlow** Max=5.03 cfs @ 12.07 hrs HW=210.39' (Free Discharge)  
 ↳1=Culvert (Passes 5.03 cfs of 21.93 cfs potential flow)  
 ↳2=Orifice/Grate (Orifice Controls 1.80 cfs @ 9.19 fps)  
 ↳3=Orifice/Grate (Orifice Controls 2.72 cfs @ 7.25 fps)  
 ↳4=Sharp-Crested Rectangular Weir (Weir Controls 0.51 cfs @ 1.22 fps)

**Pond UB: Underground Basin - Chamber Wizard Field A****Chamber Model = ADS\_StormTech SC-740 +Cap (ADS StormTech® SC-740 with cap length)**

Effective Size= 44.6"W x 30.0"H =&gt; 6.45 sf x 7.12'L = 45.9 cf

Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

8 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 58.58' Row Length +12.0" End Stone x 2 = 60.58' Base Length

8 Rows x 51.0" Wide + 6.0" Spacing x 7 + 12.0" Side Stone x 2 = 39.50' Base Width

12.0" Base + 30.0" Chamber Height + 36.0" Cover = 6.50' Field Height

64 Chambers x 45.9 cf = 2,940.2 cf Chamber Storage

15,553.1 cf Field - 2,940.2 cf Chambers = 12,612.9 cf Stone x 40.0% Voids = 5,045.2 cf Stone Storage

Chamber Storage + Stone Storage = 7,985.3 cf = 0.183 af

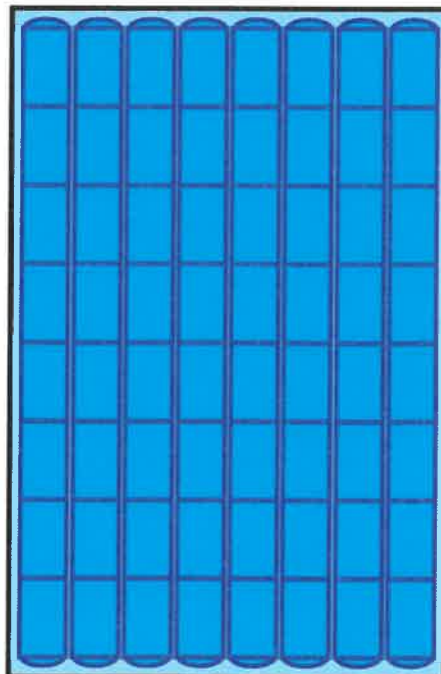
Overall Storage Efficiency = 51.3%

Overall System Size = 60.58' x 39.50' x 6.50'

64 Chambers

576.0 cy Field

467.1 cy Stone





**Pond UB: Underground Basin - Chamber Wizard Field B****Chamber Model = ADS\_StormTech SC-740 +Cap (ADS StormTech® SC-740 with cap length)**

Effective Size= 44.6"W x 30.0"H =&gt; 6.45 sf x 7.12'L = 45.9 cf

Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

4 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 30.10' Row Length +12.0" End Stone x 2 = 32.10' Base Length

4 Rows x 51.0" Wide + 6.0" Spacing x 3 + 12.0" Side Stone x 2 = 20.50' Base Width

12.0" Base + 30.0" Chamber Height + 36.0" Cover = 6.50' Field Height

16 Chambers x 45.9 cf = 735.0 cf Chamber Storage

4,276.9 cf Field - 735.0 cf Chambers = 3,541.8 cf Stone x 40.0% Voids = 1,416.7 cf Stone Storage

Chamber Storage + Stone Storage = 2,151.8 cf = 0.049 af

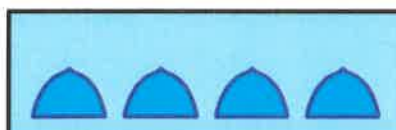
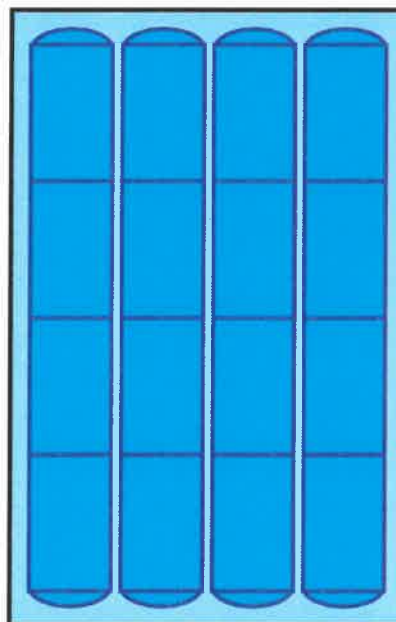
Overall Storage Efficiency = 50.3%

Overall System Size = 32.10' x 20.50' x 6.50'

16 Chambers

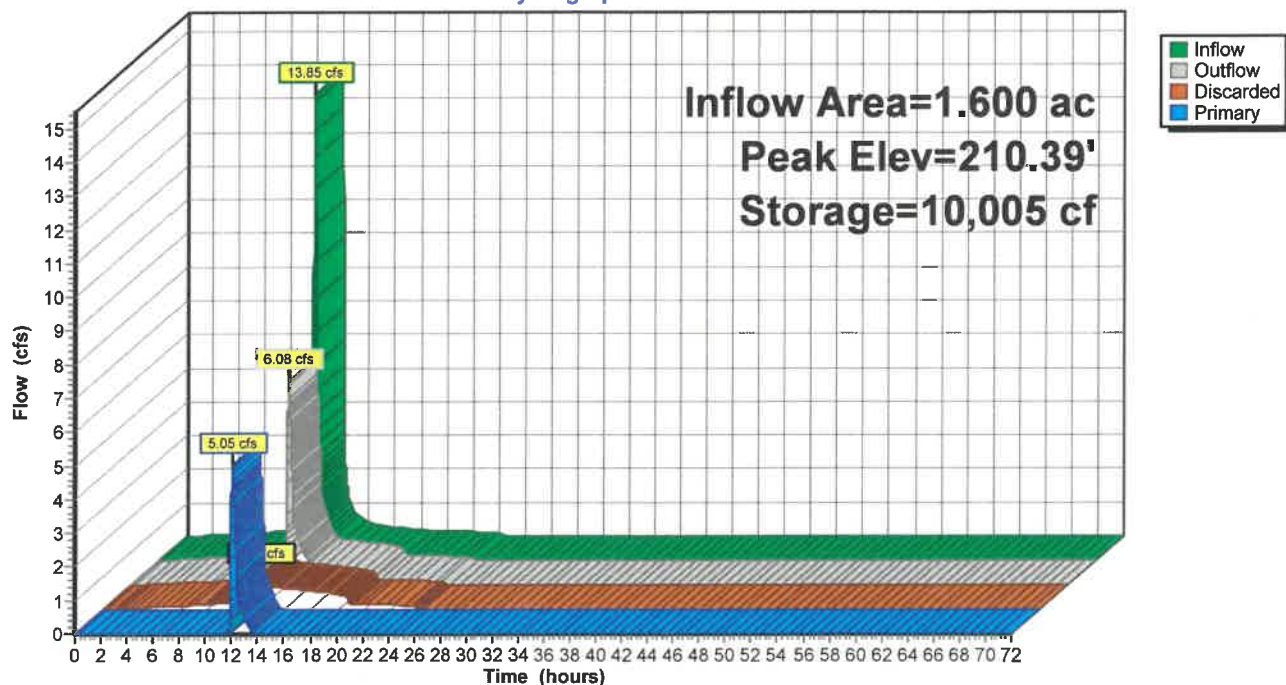
158.4 cy Field

131.2 cy Stone



# **Pond UB: Underground Basin**

Hydrograph



**Yanessa After**

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Type II 24-hr 100-Year Rainfall=7.63"

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**Stage-Area-Storage for Pond UB: Underground Basin**

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.00	3,051	0	209.20	3,051	8,551
204.10	3,051	122	209.30	3,051	8,673
204.20	3,051	244	209.40	3,051	8,795
204.30	3,051	366	209.50	3,051	8,917
204.40	3,051	488	209.60	3,051	9,039
204.50	3,051	610	209.70	3,051	9,161
204.60	3,051	732	209.80	3,051	9,283
204.70	3,051	854	209.90	3,051	9,405
204.80	3,051	976	210.00	3,051	9,527
204.90	3,051	1,098	210.10	3,051	9,649
205.00	3,051	1,220	210.20	3,051	9,771
205.10	3,051	1,469	210.30	3,051	9,893
205.20	3,051	1,718	210.40	3,051	10,015
205.30	3,051	1,964	210.50	3,051	10,137
205.40	3,051	2,210			
205.50	3,051	2,453			
205.60	3,051	2,694			
205.70	3,051	2,933			
205.80	3,051	3,170			
205.90	3,051	3,404			
206.00	3,051	3,636			
206.10	3,051	3,864			
206.20	3,051	4,089			
206.30	3,051	4,311			
206.40	3,051	4,528			
206.50	3,051	4,742			
206.60	3,051	4,951			
206.70	3,051	5,155			
206.80	3,051	5,352			
206.90	3,051	5,544			
207.00	3,051	5,728			
207.10	3,051	5,904			
207.20	3,051	6,068			
207.30	3,051	6,216			
207.40	3,051	6,350			
207.50	3,051	6,476			
207.60	3,051	6,598			
207.70	3,051	6,720			
207.80	3,051	6,842			
207.90	3,051	6,964			
208.00	3,051	7,086			
208.10	3,051	7,208			
208.20	3,051	7,330			
208.30	3,051	7,452			
208.40	3,051	7,574			
208.50	3,051	7,696			
208.60	3,051	7,819			
208.70	3,051	7,941			
208.80	3,051	8,063			
208.90	3,051	8,185			
209.00	3,051	8,307			
209.10	3,051	8,429			

**Yannessa After***Type II 24-hr 100-Year Rainfall=7.63"*

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**Events for Reach 1R: Combined Flow**

Event	Inflow (cfs)	Outflow (cfs)	Elevation (feet)	Storage (cubic-feet)
1-Year	1.08	1.08	<b>0.00</b>	<b>0</b>
2-Year	1.47	1.47	0.00	0
5-Year	2.19	2.19	0.00	0
10-Year	3.31	3.31	0.00	0
25-Year	5.79	5.79	0.00	0
50-Year	9.86	9.86	0.00	0
100-Year	<b>16.03</b>	<b>16.03</b>	0.00	0

## **Stormwater Volume Reduction Calculations**

In accordance with NPDES permit requirements and the Abington Township Stormwater Management Ordinance chapter 142-406.A(1) volume control the post development total runoff should not be increased from the predevelopment total runoff for all storms equal to or less than the 2 year twenty four hour duration precipitation.

Based on the HydroCAD computer model utilizing the SCS TR-20 soil - cover complex method the before development 2 year storm runoff volume is 0.159 ac-ft or 6,925 cf. The after development runoff volume without the BMP's is 0.475 ac-ft or 20,691 cf which is the sum of the runoff for areas 1A, 2A and 3A. Based on the HydroCAD computer model the after development 2 year storm runoff volume with the proposed stormwater BMP's is 0.104 ac-ft or 4,530 cf. The total reduction is 0.055 ac-ft or 2,395 cf. For the after development volume calculation the analysis was run assuming the discharge from the Rain Garden underdrain with the 1.0" orifice is discarded. This takes the volume of water that flows into the Rain Garden basin and through the amended soils and underdrain out of the post construction volume to replicated infiltration.

See the before and after development HydroCAD 2 year storm runoff volume calculations on the following pages of this PCSWM report.

<b>SUMMARY TABLE FOR SUPPORTING CALCULATION AND MEASUREMENT DATA</b>			
Design Storm frequency <u>2 year</u> Rainfall Amount <u>3.26 inches</u>	Pre-construction	Post Construction	Net Change
Impervious area - development area (acres)	0.367	1.245	0.878
Volume of stormwater runoff (acre-feet) without planned stormwater BMP's	0.159	0.475	0.316
Volume of stormwater runoff (acre-feet) with planned stormwater BMP's		0.104	-0.055
Stormwater discharge rate for the 2 year design frequency storm (cfs)	1.96	1.47	-0.490



**Yannessa Before**

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**Summary for Subcatchment 1B: Analysis Site Area**

Runoff = 1.96 cfs @ 12.07 hrs, Volume= 0.159 af, Depth= 0.47" ←

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs  
Type II 24-hr 2-Year Rainfall=3.26"

Area (ac)	CN	Description
* 3.713	58	Pervious areas consider as Meadow
* 0.294	98	Ex. Impervious
* 0.073	58	20% of Ex. impervious as meadow
4.080	61	Weighted Average
3.786		92.79% Pervious Area
0.294		7.21% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.2	50	0.0400	0.14		<b>Sheet Flow, Section 1</b>
					Grass: Dense n= 0.240 P2= 3.26"
6.1	600	0.0550	1.64		<b>Shallow Concentrated Flow, Section 2</b>
					Short Grass Pasture Kv= 7.0 fps
12.3	650	Total			

**Summary for Subcatchment 1A: Area to Basin 1**

Runoff = 4.66 cfs @ 11.97 hrs, Volume= 0.258 af, Depth= 1.94" ←

Runoff by SCS TR-20 method, UH=SCS, Weighted-Q, Time Span= 0.00-36.00 hrs, dt= 0.01 hrs  
Type II 24-hr 2-Year Rainfall=3.26"

Area (ac)	CN	Description
* 0.918	98	Proposed Impervious
0.682	61	>75% Grass cover, Good, HSG B
1.600		Weighted Average
0.682		42.62% Pervious Area
0.918		57.37% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry, Use Minimum Tc of 6 minutes

**Summary for Subcatchment 2A: Undetained Analysis Area**

Runoff = 1.47 cfs @ 12.04 hrs, Volume= 0.104 af, Depth= 1.28" ←

Runoff by SCS TR-20 method, UH=SCS, Weighted-Q, Time Span= 0.00-36.00 hrs, dt= 0.01 hrs  
Type II 24-hr 2-Year Rainfall=3.26"

Area (ac)	CN	Description
0.670	61	>75% Grass cover, Good, HSG B
* 0.310	98	Impervious houses & drives HSG B
0.980		Weighted Average
0.670		68.37% Pervious Area
0.310		31.63% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.3					Direct Entry, Use before development Tc

**Summary for Subcatchment 3A: Area to Rain Garden**

Runoff = 1.97 cfs @ 11.98 hrs, Volume= 0.113 af, Depth= 0.90" ←

Runoff by SCS TR-20 method, UH=SCS, Weighted-Q, Time Span= 0.00-36.00 hrs, dt= 0.01 hrs  
Type II 24-hr 2-Year Rainfall=3.26"

Area (ac)	CN	Description
1.247	61	>75% Grass cover, Good, HSG B
* 0.253	98	Impervious houses & drives HSG B
1.500		Weighted Average
1.247		83.13% Pervious Area
0.253		16.87% Impervious Area

**Yannessa After**

Type II 24-hr 2-Year Rainfall=3.26"

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry, Use minimum Tc of 6 minutes

**Summary for Reach 1R: Combined Flow**

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 4.080 ac, 36.30% Impervious, Inflow Depth = 0.31" for 2-Year event  
 Inflow = 1.47 cfs @ 12.04 hrs, Volume= 0.104 af  
 Outflow = 1.47 cfs @ 12.04 hrs, Volume= 0.104 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.01 hrs

**Summary for Pond RG: Rain Garden**

Inflow Area = 1.500 ac, 16.87% Impervious, Inflow Depth = 0.90" for 2-Year event  
 Inflow = 1.97 cfs @ 11.98 hrs, Volume= 0.113 af  
 Outflow = 0.04 cfs @ 19.07 hrs, Volume= 0.074 af, Atten= 98%, Lag= 425.1 min  
 Discarded = 0.04 cfs @ 19.07 hrs, Volume= 0.074 af  
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.01 hrs  
 Peak Elev= 204.60' @ 19.07 hrs Surf.Area= 3,617 sf Storage= 3,308 cf

Plug-Flow detention time= 713.5 min calculated for 0.074 af (66% of inflow)  
 Center-of-Mass det. time= 585.3 min ( 1,406.1 - 820.8 )

Volume	Invert	Avail.Storage	Storage Description	
#1	202.00'	9,180 cf	Custom Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
202.00	3,200	0.0	0	0
204.00	3,200	20.0	1,280	1,280
205.00	3,900	100.0	3,550	4,830
206.00	4,800	100.0	4,350	9,180

Device	Routing	Invert	Outlet Devices
#1	Primary	200.00'	<b>15.0" Round Culvert</b> L= 100.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 200.00' / 196.25' S= 0.0375 ' / Cc= 0.900 n= 0.010 PVC, smooth interior, Flow Area= 1.23 sf
#2	Discarded	202.50'	<b>1.0" Vert. Orifice/Grate</b> C= 0.600
#3	Device 1	205.50'	<b>24.0" x 24.0" Horiz. Orifice/Grate</b> C= 0.600 Limited to weir flow at low heads

**Yannessa After**

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**Discarded OutFlow** Max=0.04 cfs @ 19.07 hrs HW=204.60' (Free Discharge)↑ **2=Orifice/Grate** (Orifice Controls 0.04 cfs @ 6.90 fps)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=202.00' (Free Discharge)↑ **1=Culvert** (Passes 0.00 cfs of 6.93 cfs potential flow)↑ **3=Orifice/Grate** ( Controls 0.00 cfs)**Summary for Pond UB: Underground Basin**

Inflow Area = 1.600 ac, 57.37% Impervious, Inflow Depth = 1.94" for 2-Year event  
 Inflow = 4.66 cfs @ 11.97 hrs, Volume= 0.258 af  
 Outflow = 0.59 cfs @ 12.26 hrs, Volume= 0.258 af, Atten= 87%, Lag= 17.1 min  
 Discarded = 0.59 cfs @ 12.26 hrs, Volume= 0.258 af  
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.01 hrs  
 Peak Elev= 205.97' @ 12.26 hrs Surf.Area= 3,051 sf Storage= 3,560 cf

Plug-Flow detention time= 39.4 min calculated for 0.258 af (100% of inflow)  
 Center-of-Mass det. time= 39.4 min ( 807.9 - 768.5 )

Volume	Invert	Avail.Storage	Storage Description
#1A	204.00'	5,045 cf	<b>39.50'W x 60.58'L x 6.50'H Field A</b> 15,553 cf Overall - 2,940 cf Embedded = 12,613 cf x 40.0% Voids
#2A	205.00'	2,940 cf	<b>ADS_StormTech SC-740 +Cap</b> x 64 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 64 Chambers in 8 Rows
#3B	204.00'	1,285 cf	<b>20.50'W x 32.10'L x 6.00'H Field B</b> 3,948 cf Overall - 735 cf Embedded = 3,213 cf x 40.0% Voids
#4B	205.00'	735 cf	<b>ADS_StormTech SC-740 +Cap</b> x 16 Inside #3 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 16 Chambers in 4 Rows
10,006 cf			Total Available Storage

Storage Group A created with Chamber Wizard

Storage Group B created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	203.00'	<b>18.0" Round Culvert</b> L= 125.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 203.00' / 196.00' S= 0.0560 ' /' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf
#2	Device 1	206.50'	<b>6.0" Vert. Orifice/Grate</b> C= 0.600
#3	Device 1	208.00'	<b>18.0" W x 3.0" H Vert. Orifice/Grate</b> C= 0.600
#4	Device 1	210.25'	<b>3.0' long Sharp-Crested Rectangular Weir</b> 2 End Contraction(s)
#5	Discarded	204.00'	<b>5.600 in/hr Exfiltration over Surface area</b> Conductivity to Groundwater Elevation = 200.00'

## Yanessa After

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**Discarded OutFlow** Max=0.59 cfs @ 12.26 hrs HW=205.97' (Free Discharge)

└─5=Exfiltration ( Controls 0.59 cfs)

**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=204.00' (Free Discharge)

└─1=Culvert (Passes 0.00 cfs of 4.26 cfs potential flow)

└─┬─2=Orifice/Grate ( Controls 0.00 cfs)

└─┬─3=Orifice/Grate ( Controls 0.00 cfs)

└─┬─4=Sharp-Crested Rectangular Weir ( Controls 0.00 cfs)



### Dewatering Time for Basins

V.W Consultants, LLC performed infiltration testing on June 1, 2021. The results are located in Appendix A of this report. Testing was performed in the area of the rain garden and the infiltration rates for dewatering the rain gardens was minimal. Therefore, the use of the Managed Release Basin Concept has been utilized for the rain garden. The managed release concept basins utilizes an underdrain and small diameter orifice to dewater the basins. See the following hydrographs for the dewatering times for the Rain Garden.

#### Rain Garden

Two year storm dewatering time = 28 hours.

One hundred year storm dewatering time = 52 hours.

The dewatering times are less than 72 hours therefore ok.

Suitable infiltration results were obtained in the area of the underground basin (infiltration bed). The results are located in Appendix A of this report. The average infiltration rate for test pits 5 and 6 was 11.25 in/hr. A factor of safety of 2 or 5.6 in/hr was utilized in the calculations. The peak volume is attained at time 12 hour.

#### Underground Basin

Two year storm dewatering time = 12 hours.

One hundred year storm dewatering time = 14 hours.

The dewatering times are less than 72 hours therefore ok.

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**Hydrograph for Pond RG: Rain Garden**

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
0.00	0.00	0	202.00	0.00	0.00	0.00
2.00	0.00	3	202.00	0.00	0.00	0.00
4.00	0.01	36	202.06	0.00	0.00	0.00
6.00	0.01	101	202.16	0.00	0.00	0.00
8.00	0.02	198	202.31	0.00	0.00	0.00
10.00	0.03	356	202.56	0.00	0.00	0.00
12.00	1.91	1,681	204.12	0.03	0.03	0.00
14.00	0.08	2,994	204.51	0.04	0.04	0.00
16.00	0.05	3,218	204.57	0.04	0.04	0.00
18.00	0.04	3,297	204.59	0.04	0.04	0.00
20.00	0.03	3,299	204.59	0.04	0.04	0.00
22.00	0.03	3,252	204.58	0.04	0.04	0.00
24.00	0.03	3,192	204.56	0.04	0.04	0.00
26.00	0.00	2,935	204.49	0.04	0.04	0.00
28.00	0.00	2,673	204.42	0.04	0.04	0.00
30.00	0.00	2,417	204.34	0.04	0.04	0.00
32.00	0.00	2,166	204.27	0.03	0.03	0.00
34.00	0.00	1,920	204.20	0.03	0.03	0.00
36.00	0.00	1,679	204.12	0.03	0.03	0.00
38.00	0.00	1,444	204.05	0.03	0.03	0.00
40.00	0.00	1,216	203.90	0.03	0.03	0.00
42.00	0.00	1,009	203.58	0.03	0.03	0.00
44.00	0.00	831	203.30	0.02	0.02	0.00
46.00	0.00	680	203.06	0.02	0.02	0.00
48.00	0.00	558	202.87	0.02	0.02	0.00
50.00	0.00	463	202.72	0.01	0.01	0.00
52.00	0.00	397	202.62	0.01	0.01	0.00
54.00	0.00	358	202.56	0.00	0.00	0.00
56.00	0.00	341	202.53	0.00	0.00	0.00
58.00	0.00	334	202.52	0.00	0.00	0.00
60.00	0.00	331	202.52	0.00	0.00	0.00
62.00	0.00	328	202.51	0.00	0.00	0.00
64.00	0.00	326	202.51	0.00	0.00	0.00
66.00	0.00	325	202.51	0.00	0.00	0.00
68.00	0.00	324	202.51	0.00	0.00	0.00
70.00	0.00	323	202.50	0.00	0.00	0.00
72.00	0.00	322	202.50	0.00	0.00	0.00

← Peak  
Volume← Dewater  
Time to  
Bottom of  
Rain Garden

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**Hydrograph for Pond RG: Rain Garden**

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
0.00	0.00	0	202.00	0.00	0.00	0.00
2.00	0.01	40	202.06	0.00	0.00	0.00
4.00	0.02	176	202.27	0.00	0.00	0.00
6.00	0.03	371	202.58	0.00	0.00	0.00
8.00	0.04	556	202.87	0.02	0.02	0.00
10.00	<b>0.08</b>	830	203.30	0.02	0.02	0.00
12.00	<b>9.22</b>	<b>7,909</b>	<b>205.73</b>	<b>2.91</b>	<b>0.05</b>	<b>2.86</b>
14.00	0.33	<b>7,113</b>	<b>205.55</b>	<b>0.36</b>	<b>0.05</b>	<b>0.31</b>
16.00	0.21	7,034	205.53	0.22	0.05	0.17
18.00	0.16	7,006	205.53	0.17	0.05	0.12
20.00	0.12	6,981	205.52	0.12	0.05	0.08
22.00	0.11	6,969	205.52	0.11	0.05	0.07
24.00	0.10	6,959	205.52	0.10	0.05	0.06
26.00	0.00	6,627	205.44	0.04	0.04	0.00
28.00	0.00	6,308	205.36	0.04	0.04	0.00
30.00	0.00	5,992	205.29	0.04	0.04	0.00
32.00	0.00	5,681	205.21	0.04	0.04	0.00
34.00	0.00	5,374	205.14	0.04	0.04	0.00
36.00	0.00	5,072	205.06	0.04	0.04	0.00
38.00	0.00	4,774	204.99	0.04	0.04	0.00
40.00	0.00	4,481	204.91	0.04	0.04	0.00
42.00	0.00	4,192	204.83	0.04	0.04	0.00
44.00	0.00	3,908	204.76	0.04	0.04	0.00
46.00	0.00	3,629	204.68	0.04	0.04	0.00
48.00	0.00	3,355	204.61	0.04	0.04	0.00
50.00	0.00	3,085	204.53	0.04	0.04	0.00
52.00	0.00	2,821	204.46	0.04	0.04	0.00
54.00	0.00	2,562	204.38	0.04	0.04	0.00
56.00	0.00	2,308	204.31	0.03	0.03	0.00
58.00	0.00	2,059	204.24	0.03	0.03	0.00
60.00	0.00	1,815	204.16	0.03	0.03	0.00
62.00	0.00	1,577	204.09	0.03	0.03	0.00
64.00	0.00	1,345	204.02	0.03	0.03	0.00
66.00	0.00	1,123	203.75	0.03	0.03	0.00
68.00	0.00	929	203.45	0.03	0.03	0.00
70.00	0.00	762	203.19	0.02	0.02	0.00
72.00	0.00	624	202.98	0.02	0.02	0.00

← Peak  
Volume← Dewater Time  
to Bottom of  
Rain Garden

**Yanessa After**

Type II 24-hr 2-Year Rainfall=3.26"

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**Hydrograph for Pond UB: Underground Basin**

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
0.00	0.00	0	204.00	0.00	0.00	0.00
2.00	0.01	1	204.00	0.01	0.01	0.00
4.00	0.02	5	204.00	0.02	0.02	0.00
6.00	0.04	8	204.01	0.04	0.04	0.00
8.00	0.06	11	204.01	0.06	0.06	0.00
10.00	0.11	21	204.02	0.10	0.10	0.00
12.00	4.31	2,666	205.59	0.55	0.55	0.00
14.00	0.14	1,691	205.19	0.51	0.51	0.00
16.00	0.09	18	204.01	0.09	0.09	0.00
18.00	0.07	14	204.01	0.07	0.07	0.00
20.00	0.05	10	204.01	0.05	0.05	0.00
22.00	0.05	9	204.01	0.05	0.05	0.00
24.00	0.04	9	204.01	0.04	0.04	0.00
26.00	0.00	0	204.00	0.00	0.00	0.00
28.00	0.00	0	204.00	0.00	0.00	0.00
30.00	0.00	0	204.00	0.00	0.00	0.00
32.00	0.00	0	204.00	0.00	0.00	0.00
34.00	0.00	0	204.00	0.00	0.00	0.00
36.00	0.00	0	204.00	0.00	0.00	0.00
38.00	0.00	0	204.00	0.00	0.00	0.00
40.00	0.00	0	204.00	0.00	0.00	0.00
42.00	0.00	0	204.00	0.00	0.00	0.00
44.00	0.00	0	204.00	0.00	0.00	0.00
46.00	0.00	0	204.00	0.00	0.00	0.00
48.00	0.00	0	204.00	0.00	0.00	0.00
50.00	0.00	0	204.00	0.00	0.00	0.00
52.00	0.00	0	204.00	0.00	0.00	0.00
54.00	0.00	0	204.00	0.00	0.00	0.00
56.00	0.00	0	204.00	0.00	0.00	0.00
58.00	0.00	0	204.00	0.00	0.00	0.00
60.00	0.00	0	204.00	0.00	0.00	0.00
62.00	0.00	0	204.00	0.00	0.00	0.00
64.00	0.00	0	204.00	0.00	0.00	0.00
66.00	0.00	0	204.00	0.00	0.00	0.00
68.00	0.00	0	204.00	0.00	0.00	0.00
70.00	0.00	0	204.00	0.00	0.00	0.00
72.00	0.00	0	204.00	0.00	0.00	0.00

← Peak  
Volume← Dewater  
Time

**Yanessa After**

Type II 24-hr 100-Year Rainfall=7.63"

Prepared by L. J. Byrne Engineering, LLC

Printed 11/3/2021

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**Hydrograph for Pond UB: Underground Basin**

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
0.00	0.00	0	204.00	0.00	0.00	0.00
2.00	0.05	10	204.01	0.05	0.05	0.00
4.00	0.08	16	204.01	0.08	0.08	0.00
6.00	0.12	23	204.02	0.12	0.12	0.00
8.00	0.15	29	204.02	0.15	0.15	0.00
10.00	0.27	52	204.04	0.26	0.26	0.00
12.00	12.77	8,998	209.57	4.70	0.95	3.75
14.00	0.41	4,757	206.51	0.64	0.64	0.00
16.00	0.25	2,792	205.64	0.56	0.56	0.00
18.00	0.20	720	204.59	0.45	0.45	0.00
20.00	0.14	29	204.02	0.15	0.15	0.00
22.00	0.13	26	204.02	0.13	0.13	0.00
24.00	0.12	24	204.02	0.12	0.12	0.00
26.00	0.00	0	204.00	0.00	0.00	0.00
28.00	0.00	0	204.00	0.00	0.00	0.00
30.00	0.00	0	204.00	0.00	0.00	0.00
32.00	0.00	0	204.00	0.00	0.00	0.00
34.00	0.00	0	204.00	0.00	0.00	0.00
36.00	0.00	0	204.00	0.00	0.00	0.00
38.00	0.00	0	204.00	0.00	0.00	0.00
40.00	0.00	0	204.00	0.00	0.00	0.00
42.00	0.00	0	204.00	0.00	0.00	0.00
44.00	0.00	0	204.00	0.00	0.00	0.00
46.00	0.00	0	204.00	0.00	0.00	0.00
48.00	0.00	0	204.00	0.00	0.00	0.00
50.00	0.00	0	204.00	0.00	0.00	0.00
52.00	0.00	0	204.00	0.00	0.00	0.00
54.00	0.00	0	204.00	0.00	0.00	0.00
56.00	0.00	0	204.00	0.00	0.00	0.00
58.00	0.00	0	204.00	0.00	0.00	0.00
60.00	0.00	0	204.00	0.00	0.00	0.00
62.00	0.00	0	204.00	0.00	0.00	0.00
64.00	0.00	0	204.00	0.00	0.00	0.00
66.00	0.00	0	204.00	0.00	0.00	0.00
68.00	0.00	0	204.00	0.00	0.00	0.00
70.00	0.00	0	204.00	0.00	0.00	0.00
72.00	0.00	0	204.00	0.00	0.00	0.00

← Peak  
Volume← Dewater  
Time



**APPENDIX A**  
**Soils Infiltration Report**



June 22, 2021

Paul Yannessa  
403 Longfield Road  
Glenside, PA 19038

Via email to: [pyannessa@gmail.com](mailto:pyannessa@gmail.com)

**Re: Stormwater Infiltration Testing**  
365 Cedar Road  
Elkins Park, PA 19027  
T.M.P. No. 30-00-07112-00-4  
Abington Township, Montgomery County, PA

Dear Mr. Yannessa:

VW Consultants, LLC (VW) completed an evaluation of the above referenced property on June 1, 2021 for the feasibility of stormwater infiltration. Testing was conducted at the six locations marked on the attached Test Pit Location Plan, which is based on the Existing Features Plan for 365 Cedar Road, prepared by Eastern/Chadrow Associates, Inc., dated 8/6/19. The results of the testing, including soil test pit descriptions and infiltration rates at specified depths, expressed in inches below ground surface (B.G.S.), are summarized at the end of this report. The infiltration rates were established by the double-ring methodology, as described in the current *PADEP Stormwater Best Management Practices Manual (2006)*. Our findings indicate that infiltration of stormwater runoff is feasible at Test Pits SW-4, SW-5 and SW-6 as listed in the summary table at the end of this report.

#### Project Setting

The project site is an existing residential property on 4.0 acres that is currently improved with one single-family detached dwelling and pole building. The site gently to moderately slopes downhill from north to south. VW performed soil testing along the eastern and western property boundaries in support of stormwater management facilities for a proposed residential subdivision.

Based on a review of a United States Geologic Survey map of Pennsylvania, the project site is underlain by the Wissahickon Schist Formation. This formation is mostly composed of mica schist. This rock is characterized by its distinct foliation, which is caused by the preferential orientation of muscovite, feldspar and quartz. The foliation within this formation is typically well-developed, fissile to thin. This rock type is moderately resistant to weathering and the overlying soil mantle is typically thin.

Based on a review of the Web Soil Survey, the project site has been mapped by the Natural Resource Conservation Service as containing the Manor soil series. Manor loams are classified as very deep, well-drained soils formed in residuum weathered from micaceous schist. In addition to the mapped soils, VW classified some of the on-site soils to the Urban Land soil series. While the soil profile characteristics and permeability rates of the urban land soil series have not been quantified, the

soils are variable and generally consist of deep profiles similar to the nearby undisturbed soils. Manor soils are classified as Hydrologic Soil Group B, while Urban Land soils are generally classified as Hydrologic Soil Group D.

#### Site Soils

The site was evaluated by a professional soil scientist and the soil profiles were described in accordance to the criteria of the USDA-SCS *Soil Survey Manual Handbook No. 18* (3/2017) and the USDA-NRCS *Field Book for Describing and Sampling Soils Version 3.0* (9/2012). A copy of the prepared soil profile descriptions is included with this report.

Six test pits were performed on the project site as directed by the design engineer and as shown on the attached Test Pit Location Plan. In all of the test pits, except for Test Pit SW-5, VW observed fill soils at the surface that consisted of numerous multicolored layers of gravelly to cobbly loams that varied in depth from 25 to 60 inches below the existing ground surface. Beneath the fill soils at Test Pits SW-1 and SW-2, VW observed dark gray to very dark grayish brown silty clay loams that continued down to the observed groundwater table. Beneath the fill soils at Test Pits SW-3, SW-4 and SW-6, VW generally observed yellowish brown, dark yellowish brown or variegated silt loams, loams, fine sandy loams and cobbly sandy loams that continued down to test pit completion or the observed groundwater table. In Test Pit SW-5, VW observed a dark brown silt loam topsoil that was over top of dark yellowish brown loams and fine sandy loams. Beneath the surface soils, VW observed a dark yellowish brown very cobbly fine sandy loam that was underlain by a variegated loam to fine sandy loam that continued down to bedrock refusal at 96 inches below the existing ground surface.

A seasonal high water table, indicated by redoximorphic features, was observed in Test Pits SW-1 to SW-3, starting at depths ranging from 48 to 64 inches below the existing ground surface. These redox features are most likely the result of the fluctuating regional groundwater table that was observed deeper in the soil profile. A regional groundwater table was observed in Test Pits SW-1 to SW-3, ranging in depths from 60 to 86 inches below the existing ground surface. Bedrock, indicated by machine refusal, was only encountered at Test Pit SW-5 at 96 inches below the existing ground surface. Please see the soil profile descriptions for a more detailed description of the soils observed.

At completion, the test pits were backfilled and compacted with the excavated material, and leveled off with the surrounding grades. No additional compaction effort or site restoration was performed.

#### Infiltration Testing

To establish infiltration rates, two double-ring infiltrometer tests were conducted at each test pit location. All tests were conducted at the depth noted on the table below, depth expressed in inches below ground surface (B.G.S.). The test rates were averaged to obtain an average infiltration rate at that depth. The infiltration tests were conducted following the procedure of the current *PADEP Stormwater Best Management Practices Manual (2006)* for both test technique and calculation of the infiltration rate. Please be advised that this calculation, which is consistent with the methodology of the current *PADEP Stormwater Manual*, is not a soil hydraulic conductivity rate as determined by Darcy's Law.

The table below is a summary of the infiltration test depths and the infiltration rates obtained by VW during the field testing.

Pit No.	Pit Depth (in, BGS)	Observed Redox Features (in, BGS)	Depth to Rock (in, BGS)	Depth to Ground Water (in, BGS)	Infiltration Test Depth (in, BGS)	Average Infiltration Rate (in/hr.)
SW-1	72	60 to 72	NE	72	36	0.0
SW-2	60	48 to 60	NE	60	24	0.0
SW-3	86	64 to 86	NE	86	36	0.0
SW-4	120	NE	NE	NE	84	2.0
SW-5	96	NE	96	NE	72	15.75
SW-6	108	NE	NE	NE	72	6.75

NE= not encountered

### Conclusions and Recommendations

VW observed the site soils and performed infiltration testing at six test pit locations on the subject property. Based on the observed soil conditions and infiltration rates obtained during the site testing, stormwater management facilities proposing infiltration can be designed at Test Pits SW-4, SW-5 and SW-6 at the depths noted where suitable infiltration rates were obtained. Test Pits SW-1, SW-2 and SW-3 did not yield suitable infiltration rates at the shallow depths tested. Therefore, shallow-based stormwater management facilities may be designed at these locations that incorporate an underdrain or other positive-outflow device so that the systems do not remain ponded during wet times of the year.

If proposed, the infiltration facilities should be designed by a professional engineer at the depth of the infiltration testing using appropriate engineering practices and with a safety factor reduction from the measured infiltration rate. Care should be taken to preserve the soil infiltrative surface during pre- and post-construction of the stormwater management facility.

Our findings are the result of testing conducted in specific locations and conditions. Should conditions contrary to the findings in this report be discovered prior to, during, or after construction of the stormwater control devices, VW must be notified so our recommendations can be reviewed or revised, if necessary. Additionally, if the stormwater management facility location and/or size changes, a VW soil scientist and the project engineer should review the site testing to confirm additional soil testing is not warranted.

Should you have any questions regarding the information included in this report, please contact me at 215-778-5284, or by email at [mhostrander@vw-consultants.com](mailto:mhostrander@vw-consultants.com).

Respectfully submitted,



**VW Consultants, LLC**  
Matthew C. Hostrander, CPSS  
Professional Soil Scientist

**Enclosures:** soil profile descriptions, infiltration data sheets, test pit location plan

**cc:** Lawrence Byrne, P.E. of L. J. Byrne Engineering, LLC

**Matthew C. Hostrander, CPSS**  
*Professional Soil Scientist*

Date: 6/1/21 Pit # SW-1  
 Project: Yannessa  
 Location: 365 Cedar Rd  
 Abington Twp, Montgomery Co., PA  
 Soil Series Mapped: Manor  
 Soil Series Classified: Urban Land

Limiting Zone 60" Seasonal High Water Table By Redox Slope: 5-8% Conduct Double Ring Infiltrometer Test at 36"

Horizon	Depth (In.)	Matrix Color	Texture	Structure	Consistence	Fe Redox Depletions	Fe Redox Concentrations	Boundary
^A	0-6	10YR 3/4	gr l	1 m gr 1 t pl	friable	none	none	abrupt wavy
^B1	6-30	Multicolor	cb l	1 th pl 0 m	friable firm	none	none	clear wavy
^B2	30-42	7.5YR 5/6	gr l	1 m sbk	friable	none	none	clear wavy
^B3	42-60	10YR 3/2	sil l	1 m sbk	friable	none	none	clear wavy
Bw	60-72	10YR 4/1	sicl	1 th pl	friable	c f	c f	
	72+	Water						

Township Representative: None Soil Scientist: Matthew C. Hostrander

**Notes:** Site evaluation for stormwater infiltration. No bedrock encountered. Groundwater observed at 72" bgs. Fill soils observed from 0 to 60" below grade.

**Weather / Field Conditions:** Sunny, 80°F / soil moist.

**Others Present at Site:** Geary Erney of Total Contracting – backhoe provider and operator.

**EPIPEDON**

Ochric

**SUBSURFACE HORIZON(S)**

Cambic

**SOIL ORDER**

Entisol

**DRAINAGE CLASS**

**LANDFORM**

Upland

**POSITION**

Backslope

**PARENT MATERIAL**

Fill  
Alluvium

**BEDROCK LITHOLOGY**

Schist

**COARSE FRAGMENTS (% of Vol.)**

**15-35%** **35-65%** **>65%**  
 (gr) gravelly (vgr) very gravelly (egr) extr. gravelly  
 (ch) channery (vch) very channery (ech) extr. channery  
 (cb) cobbly (vcb) very cobbly (ecb) extr. cobbly  
 (fl) flaggy (vfl) very flaggy (efl) extr. flaggy  
 (st) stony (vst) very stony (est) extr. stony  
 (bd) bouldery (vbd) very bouldery (ebd) extr. bouldery

**TEXTURE**

cos - coarse sand  
 s - sand  
 fs - fine sand  
 vfs - very fine sand  
 lcos - loamy coarse sand  
 ls - loamy sand  
 lfs - loamy fine sand  
 lvfs - loamy very fine sand  
 cosl - coarse sandy loam  
 sl - sandy loam  
 fsl - fine sandy loam  
 vfsl - very fine sandy loam  
 l - loam  
 sil - silt loam  
 si - silt  
 scl - sandy clay loam  
 cl - clay loam  
 sicil - silty clay loam  
 sc - sandy clay  
 sic - silty clay  
 c - clay

**STRUCTURE**

**Grade**  
*Structureless* - 0  
*Weak* - 1  
*Moderate* - 2  
*Strong* - 3  
**Type**  
 pl - platy  
 pr - prismatic  
 cpr - columnar  
 gr - granular  
 abk - angular blocky  
 sbk - subangular blocky  
 m - massive  
 s - single grain  
**Size**  
 vf - very fine  
 f - fine  
 m - medium  
 co - coarse  
 vc - very coarse  
 vt - very thin  
 t - thin  
 th - thick  
 vth - very thick

**REDOX FEATURES**

**Abundance**  
*f* - Few <2%  
*c* - Common 2-20%  
*m* - Many >20%  
**Contrast**  
*f* - Faint  
*d* - Distinct  
*p* - Prominent

**BOUNDARY**

**Distinctness**  
*Abrupt* <1" (thick)  
*Clear* 1-2.5"  
*Gradual* 2.5-5"  
*Diffuse* >5  
**Topography**  
*Smooth* - boundary is nearly level  
*Wavy* - pockets with width greater than depth  
*Irregular* - pockets with depth greater than width  
*Broken* discontinuous



**Matthew C. Hostrander, CPSS**  
*Professional Soil Scientist*

Date: 6/1/21 Pit # SW-2  
 Project: Yannesssa  
 Location: 365 Cedar Rd  
 Abington Twp, Montgomery Co., PA  
 Soil Series Mapped: Manor  
 Soil Series Classified: Urban Land

Limiting Zone 48" Seasonal High Water Table By Redox Slope: 5-8% Conduct Double Ring Infiltrometer Test at 24"

Horizon	Depth (In.)	Matrix Color	Texture	Structure	Consistence	Fe Redox Depletions	Fe Redox Concentrations	Boundary
^A	0-5	10YR 3/2	gr l	1 m gr	very friable	none	none	abrupt wavy
^Bw1	5-24	10YR 4/6	gr l	1 f sbk	friable	none	none	abrupt wavy
^Bw2	24-36	5Y 5/2	cb l	1 f sbk 1 th pl	friable	none	none	abrupt wavy
Ab	36-48	2.5Y 3/3	sil	1 m sbk	friable	none	none	clear wavy
Bw	48-60	2.5Y 3/2	sicl	1 th pl	friable	f f	c f	
	60+	Water						

Township Representative: None Soil Scientist: Matthew C. Hostrander

**Notes:** Site evaluation for stormwater infiltration. No bedrock encountered. Groundwater observed at 60" bgs. Fill soils observed from 0 to 36" below grade.

**Weather / Field Conditions:** Sunny, 80°F / soil moist.

**Others Present at Site:** Geary Erney of Total Contracting – backhoe provider and operator.

**EPIPEDON**

Ochric

**SUBSURFACE HORIZON(S)**

Cambic

**SOIL ORDER**

Entisol

**DRAINAGE CLASS**

**LANDFORM**

Upland

**POSITION**

Backslope

**PARENT MATERIAL**

Fill  
Alluvium

**BEDROCK LITHOLOGY**

Schist

**COARSE FRAGMENTS (% of Vol.)**

<b>15-35%</b>	<b>35-65%</b>	<b>&gt;65%</b>
(gr) gravelly	(vgr) very gravelly	(egr)extr. gravelly
(ch) channery	(vch) very channery	(ech) extr. channery
(cb) cobbly	(vcb) very cobbly	(ecb) extr. cobbly
(fl) flaggy	(vfl) very flaggy	(eff) extr. flaggy
(st) stony	(vst) very stony	(est) extr. stony
(bd) bouldery	(vbd) very bouldery	(ebd) extr. bouldery

**TEXTURE**

cos - coarse sand  
 s - sand  
 fs - fine sand  
 vfs - very fine sand  
 lcos - loamy coarse sand  
 ls - loamy sand  
 lfs - loamy fine sand  
 lvfs - loamy very fine sand  
 cosl - coarse sandy loam  
 sl - sandy loam  
 fsl - fine sandy loam  
 vfsl - very fine sandy loam  
 l - loam  
 sil - silt loam  
 si - silt  
 scl - sandy clay loam  
 cl - clay loam  
 sicl - silty clay loam  
 sc - sandy clay  
 sic - silty clay  
 c - clay

**STRUCTURE**

**Grade**  
 Structureless - 0  
 Weak - 1  
 Moderate - 2  
 Strong - 3  
**Type**  
 pl - platy  
 pr - prismatic  
 cpr - columnar  
 gr - granular  
 abk - angular blocky  
 sbk - subangular blocky  
 m - massive  
 s - single grain  
**Size**  
 vf - very fine  
 f - fine  
 m - medium  
 co - coarse  
 vc - very coarse  
 vt - very thin  
 t - thin  
 th - thick  
 vth - very thick

**REDOX FEATURES**

**Abundance**  
 f - Few <2%  
 c - Common 2-20%  
 m - Many >20%  
**Contrast**  
 f - Faint  
 d - Distinct  
 p - Prominent

**BOUNDARY**

**Distinctness**  
 Abrupt <1" (thick)  
 Clear 1-2.5"  
 Gradual 2.5-5"  
 Diffuse >5"  
**Topography**  
 Smooth - boundary is nearly level  
 Wavy - pockets with width greater than depth  
 Irregular - pockets with depth greater than width  
 Broken discontinuous

**Matthew C. Hostrander, CPSS**  
Professional Soil Scientist

Date: 6/1/21 Pit # SW-3  
Project: Yannesssa  
Location: 365 Cedar Rd  
Abington Twp, Montgomery Co., PA  
Soil Series Mapped: Manor  
Soil Series Classified: Urban Land

Limiting Zone 64" Seasonal High Water Table By Redox Slope: 5-8% Conduct Double Ring Infiltrometer Test at 36"

Horizon	Depth (In.)	Matrix Color	Texture	Structure	Consistence	Fe Redox Depletions	Fe Redox Concentrations	Boundary
^A	0-4	10YR 3/2	gr l	2 m gr	very friable	none	none	abrupt wavy
^B1	4-16	10YR 4/6	gr l	1 f sbk 1 th pl	friable	none	none	abrupt wavy
^B2	16-46	Multicolor	cb l	1 m sbk 1 th pl	friable firm	none	none	abrupt wavy
Ab	46-56	10YR 3/2	sil	1 m sbk	friable	none	none	clear wavy
E	56-64	2.5Y 4/3	sil	1 m sbk	friable	none	none	abrupt wavy
Bt	64-80	10YR 5/4	l scl	2 m sbk	friable	c d	c d	clear wavy
C	80-86+	10YR 3/6	cb sl	0 m	very friable	none	c d	

Township Representative: None Soil Scientist: Matthew C. Hostrander

**Notes:** Site evaluation for stormwater infiltration. No bedrock encountered. Groundwater observed at 86" bgs. Fill soils observed from 0 to 46" below grade.

**Weather / Field Conditions:** Sunny, 80°F / soil moist.

**Others Present at Site:** Geary Erney of Total Contracting – backhoe provider and operator.

**EPIPEDON**

Ochric

**SUBSURFACE HORIZON(S)**

Argillic

**SOIL ORDER**

Entisol

**DRAINAGE CLASS**

**LANDFORM**

Upland

**POSITION**

Backslope

**PARENT MATERIAL**

Fill

Residuum

**BEDROCK LITHOLOGY**

Schist

**COARSE FRAGMENTS (% of Vol.)**

15-35%	35-65%	>65%
(gr) gravelly	(vgr) very gravelly	(egr) extr. gravelly
(ch) channery	(vch) very channery	(ech) extr. channery
(cb) cobbly	(vcb) very cobbly	(ecb) extr. cobbly
(fl) flaggy	(vfl) very flaggy	(efl) extr. flaggy
(st) stony	(vst) very stony	(est) extr. stony
(bd) bouldery	(vbd) very bouldery	(ebd) extr. bouldery

**TEXTURE**

cos - coarse sand  
s - sand  
fs - fine sand  
vfs - very fine sand  
lcos - loamy coarse sand  
ls - loamy sand  
lfs - loamy fine sand  
lvfs - loamy very fine sand  
cosl - coarse sandy loam  
sl - sandy loam  
fsl - fine sandy loam  
vfsl - very fine sandy loam  
l - loam  
sil - silt loam  
si - silt  
scl - sandy clay loam  
cl - clay loam  
sicl - silty clay loam  
sc - sandy clay  
sic - silty clay  
c - clay

**STRUCTURE**

**Grade**

Structureless - 0

Weak - 1

Moderate - 2

Strong - 3

**Type**

pl - platy  
pr - prismatic  
cpr - columnar  
gr - granular  
abk - angular blocky  
sbk - subangular blocky  
m - massive  
s - single grain  
**Size**  
vf - very fine  
f - fine  
m - medium  
co - coarse  
vc - very coarse  
vt - very thin  
t - thin  
th - thick  
vth - very thick

**REDOX FEATURES**

**Abundance**

f - Few <2%  
c - Common 2-20%  
m - Many >20%

**Contrast**

f - Faint  
d - Distinct  
p - Prominent

**BOUNDARY**

**Distinctness**

Abrupt <1" (thick)  
Clear 1-2.5"  
Gradual 2.5-5"  
Diffuse >5"

**Topography**

Smooth - boundary is nearly level  
Wavy - pockets with width greater than depth  
Irregular - pockets with depth greater than width  
Broken discontinuous

**Matthew C. Hostrander, CPSS**  
Professional Soil Scientist

Date: 6/1/21 Pit # SW-4  
Project: Yannesssa  
Location: 365 Cedar Rd  
Abington Twp, Montgomery Co., PA  
Soil Series Mapped: Manor  
Soil Series Classified: Urban Land

Limiting Zone 120+" none Slope: 8-12% Conduct Double Ring Infiltrometer Test at 84"

Horizon	Depth (In.)	Matrix Color	Texture	Structure	Consistence	Fe Redox Depletions	Fe Redox Concentrations	Boundary
^A	0-4	10YR 3/2	gr sil	2 m gr	very friable	none	none	abrupt smooth
^B1	4-28	Multicolor	gr l	1 f sbk 1 t pl	friable	none	none	clear wavy
^B2	28-64	Multicolor	cb l	1 f sbk	friable	none	none	abrupt wavy
Ab	64-72	10YR 3/3	sil	1 th pl	friable	none	none	abrupt smooth
Bw	72-84	10YR 3/6	l	2 m sbk	friable	none	none	clear wavy
C	84-120+	10YR 3/4	cb fsl	0 m	very friable	none	none	

Township Representative: None Soil Scientist: Matthew C. Hostrander

**Notes:** Site evaluation for stormwater infiltration. No bedrock or groundwater encountered. Fill soils observed from 0 to 64" below grade.

**Weather / Field Conditions:** Sunny, 80°F / soil moist.

**Others Present at Site:** Geary Erney of Total Contracting – backhoe provider and operator.

**EPIPEDON**

Ochric

**SUBSURFACE HORIZON(S)**

Cambic

**SOIL ORDER**

Entisol

**DRAINAGE CLASS**

**LANDFORM**

Upland

**POSITION**

Backslope

**PARENT MATERIAL**

Fill  
Residuum

**BEDROCK LITHOLOGY**

Schist

**COARSE FRAGMENTS (% of Vol.)**

15-35%	35-65%	>65%
(gr) gravelly	(vgr) very gravelly	(egr) extr. gravelly
(ch) channery	(vch) very channery	(ech) extr. channery
(cb) cobbly	(vcb) very cobbly	(ecb) extr. cobbly
(fl) flaggy	(vfl) very flaggy	(efl) extr. flaggy
(st) stony	(vst) very stony	(est) extr. stony
(bd) bouldery	(vbd) very bouldery	(ebd) extr. bouldery

**TEXTURE**

cos - coarse sand  
s - sand  
fs - fine sand  
vfs - very fine sand  
lcos - loamy coarse sand  
ls - loamy sand  
lfs - loamy fine sand  
lvfs - loamy very fine sand  
cosl - coarse sandy loam  
sl - sandy loam  
fsl - fine sandy loam  
vfsl - very fine sandy loam  
l - loam  
sil - silt loam  
si - silt  
scl - sandy clay loam  
cl - clay loam  
sicl - silty clay loam  
sc - sandy clay  
sic - silty clay  
c - clay

**STRUCTURE**

**Grade**  
Structureless - 0  
Weak - 1  
Moderate - 2  
Strong - 3  
**Type**  
pl - platy  
pr - prismatic  
cpr - columnar  
gr - granular  
abk - angular blocky  
sbk - subangular blocky  
m - massive  
s - single grain  
**Size**  
vf - very fine  
f - fine  
m - medium  
co - coarse  
vc - very coarse  
vt - very thin  
t - thin  
th - thick  
vth - very thick

**REDOX FEATURES**

**Abundance**  
f - Few <2%  
c - Common 2-20%  
m - Many >20%  
**Contrast**  
f - Faint  
d - Distinct  
p - Prominent

**BOUNDARY**

**Distinctness**  
Abrupt <1" (thick)  
Clear 1-2.5"  
Gradual 2.5-5"  
Diffuse >5"  
**Topography**  
Smooth - boundary is nearly level  
Wavy - pockets with width greater than depth  
Irregular - pockets with depth greater than width  
Broken discontinuous

**Matthew C. Hostrander, CPSS**  
Professional Soil Scientist

Date: 6/1/21 Pit # SW-5  
Project: Yannesssa  
Location: 365 Cedar Rd  
Abington Twp, Montgomery Co., PA  
Soil Series Mapped: Manor  
Soil Series Classified: Manor

Limiting Zone 96" Bedrock

Slope: 1-3%

Conduct Double Ring Infiltrometer Test at 72"

Horizon	Depth (In.)	Matrix Color	Texture	Structure	Consistence	Fe Redox Depletions	Fe Redox Concentrations	Boundary
Ap	0-8	10YR 3/3	sil	1 t pl	friable	none	none	abrupt smooth
Bw1	8-24	10YR 4/4	l	1 th pl 1 m sbk	friable	none	none	clear wavy
Bw2	24-37	10YR 4/6	fsl	1 f sbk	very friable	none	none	clear wavy
Bw3	37-51	10YR 4/4	l	1 m sbk	friable	none	none	clear wavy
C1	51-64	10YR 4/6	vcf fsl	0 m	very friable	none	none	clear wavy
C2	64-96	Variegated	fsl l	0 m	very friable	none	none	
R	96+	Bedrock						

Township Representative: None Soil Scientist: Matthew C. Hostrander

**Notes:** Site evaluation for stormwater infiltration. Bedrock encountered at 96" bgs. No groundwater encountered.

**Weather / Field Conditions:** Sunny, 80°F / soil moist.

**Others Present at Site:** Geary Erney of Total Contracting – backhoe provider and operator.

**EPIPEDON**

Ochric

**SUBSURFACE HORIZON(S)**

Cambic

**SOIL ORDER**

Inceptisol

**DRAINAGE CLASS**

Well Drained

**LANDFORM**

Upland

**POSITION**

Summit

**PARENT MATERIAL**

Residuum

**BEDROCK LITHOLOGY**

Schist

**COARSE FRAGMENTS (% of Vol.)**

15-35%	35-65%	>65%
(gr) gravelly	(vgr) very gravelly	(egr) extr. gravelly
(ch) channery	(vch) very channery	(ech) extr. channery
(cb) cobbly	(vcb) very cobbly	(ecb) extr. cobbly
(fl) flaggy	(vfl) very flaggy	(efl) extr. flaggy
(st) stony	(vst) very stony	(est) extr. stony
(bd) bouldery	(vbd) very bouldery	(ebd) extr. bouldery

**TEXTURE**

cos - coarse sand  
s - sand  
fs - fine sand  
vfs - very fine sand  
lcos - loamy coarse sand  
ls - loamy sand  
lfs - loamy fine sand  
lvfs - loamy very fine sand  
cosl - coarse sandy loam  
sl - sandy loam  
fsl - fine sandy loam  
vfsl - very fine sandy loam  
l - loam  
sil - silt loam  
si - silt  
scl - sandy clay loam  
cl - clay loam  
sicl - silty clay loam  
sc - sandy clay  
sic - silty clay  
c - clay

**STRUCTURE**

**Grade**  
Structureless - 0  
Weak - 1  
Moderate - 2  
Strong - 3  
**Type**  
pl - platy  
pr - prismatic  
cpr - columnar  
gr - granular  
abk - angular blocky  
sbk - subangular blocky  
m - massive  
s - single grain  
**Size**  
vf - very fine  
f - fine  
m - medium  
co - coarse  
vc - very coarse  
vt - very thin  
t - thin  
th - thick  
vth - very thick

**REDOX FEATURES**

**Abundance**  
f - Few <2%  
c - Common 2-20%  
m - Many >20%  
**Contrast**  
f - Faint  
d - Distinct  
p - Prominent

**BOUNDARY**

**Distinctness**  
Abrupt <1" (thick)  
Clear 1-2.5"  
Gradual 2.5-5"  
Diffuse >5"  
**Topography**  
Smooth - boundary is nearly level  
Wavy - pockets with width greater than depth  
Irregular - pockets with depth greater than width  
Broken discontinuous

**Matthew C. Hostrander, CPSS**  
Professional Soil Scientist

Date: 6/1/21 Pit # SW-6  
Project: Yannesssa  
Location: 365 Cedar Rd  
Abington Twp, Montgomery Co., PA  
Soil Series Mapped: Manor  
Soil Series Classified: Urban-Manor

Limiting Zone 108+" none

Slope: 1-3%

Conduct Double Ring Infiltrometer Test at 72"

Horizon	Depth (In.)	Matrix Color	Texture	Structure	Consistence	Fe Redox Depletions	Fe Redox Concentrations	Boundary
^A	0-4	10YR 3/2	gr l	2 m gr	very friable	none	none	abrupt smooth
^B1	4-17	10YR 4/4	gr l	1 th pl	friable firm	none	none	abrupt wavy
^B2	17-25	10YR 4/2	cb l	1 t pl	friable firm	none	none	abrupt wavy
Bw	25-32	10YR 4/4	l fsl	1 m sbk	friable	none	none	gradual wavy
C1	32-96	Variegated	fsl	0 m	very friable	none	none	clear wavy
C2	96-108+	2.5Y 5/3	cb fsl	0 m	very friable	none	none	

Township Representative: None Soil Scientist: Matthew C. Hostrander

**Notes:** Site evaluation for stormwater infiltration. No bedrock or groundwater encountered. Fill soils observed from 0 to 25" below grade.

**Weather / Field Conditions:** Sunny, 80°F / soil moist.

**Others Present at Site:** Geary Erney of Total Contracting – backhoe provider and operator.

**EPIPEDON**

Ochric

**SUBSURFACE HORIZON(S)**

Cambic

**SOIL ORDER**

Inceptisol

**DRAINAGE CLASS**

Well Drained

**LANDFORM**

Upland

**POSITION**

Summit

**PARENT MATERIAL**

Fill  
Residuum

**BEDROCK LITHOLOGY**

Schist

**COARSE FRAGMENTS (% of Vol.)**

15-35%	35-65%	>65%
(gr) gravelly	(vgr) very gravelly	(egr)extr. gravelly
(ch) channery	(vch) very channery	(ech) extr.channery
(cb) cobbly	(vcb) very cobbly	(ecb) extr. cobbly
(fl) flaggy	(vfl) very flaggy	(efl) extr. flaggy
(st) stony	(vst) very stony	(est) extr. stony
(bd) bouldery	(vbd) very bouldery	(ebd) extr. bouldery

**TEXTURE**

cos - coarse sand  
s - sand  
fs - fine sand  
vfs - very fine sand  
lcos - loamy coarse sand  
ls - loamy sand  
lfs - loamy fine sand  
lvfs - loamy very fine sand  
cosl - coarse sandy loam  
sl - sandy loam  
fsl - fine sandy loam  
vfsl - very fine sandy loam  
l - loam  
sil - silt loam  
si - silt  
scl - sandy clay loam  
cl - clay loam  
sicl - silty clay loam  
sc - sandy clay  
sic - silty clay  
c - clay

**STRUCTURE**

**Grade**  
Structureless - 0  
Weak - 1  
Moderate - 2  
Strong - 3  
**Type**  
pl - platy  
pr - prismatic  
cpr - columnar  
gr - granular  
abk - angular blocky  
sbk - subangular blocky  
m - massive  
s - single grain  
**Size**  
vf - very fine  
f - fine  
m - medium  
co - coarse  
vc - very coarse  
vt - very thin  
t - thin  
th - thick  
vth - very thick

**REDOX FEATURES**

**Abundance**  
f - Few <2%  
c - Common 2-20%  
m - Many >20%  
**Contrast**  
f - Faint  
d - Distinct  
p - Prominent

**BOUNDARY**

**Distinctness**  
Abrupt <1" (thick)  
Clear 1-2.5"  
Gradual 2.5-5"  
Diffuse >5"  
**Topography**  
Smooth - boundary is nearly level  
Wavy - pockets with width greater than depth  
Irregular - pockets with depth greater than width  
Broken discontinuous





### Double Ring Infiltrometer Test Report

Site: 365 Cedar Road - SW-1  
 Municipality: Abington Township  
 County: Montgomery  
 Date: 6/1/2021

Testing Depth: 36"  
 (Below Ground Surface)

	<b>Test #1</b>	<b>Test #2</b>
	Drop (in)	Drop (in)
Presoak 1 (30 min)	0.5	0.25
Presoak 2 (30 min)	0.25	0.125

	<b>Test #1</b>	<b>Test #2</b>
Interval 1 (min)	30	30
Drop (in)	0.125	0.125

Interval 2 (min)	30	30
Drop (in)	0	0

Interval 3 (min)	30	30
Drop (in)	0	0

Interval 4 (min)	30	30
Drop (in)	0	0

Final Drop in/hr	0	0
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Infiltration Rate= 0.00 in/hr



### Double Ring Infiltrometer Test Report

Site: 365 Cedar Road - SW-2  
 Municipality: Abington Township  
 County: Montgomery  
 Date: 6/1/2021

Testing Depth: 24"  
 (Below Ground Surface)

	<b>Test #1</b>	<b>Test #2</b>
	Drop (in)	Drop (in)
Presoak 1 (30 min)	0.125	0.125
Presoak 2 (30 min)	0.125	0.125

	<b>Test #1</b>	<b>Test #2</b>
Interval 1 (min)	30	30
Drop (in)	0	0

Interval 2 (min)	30	30
Drop (in)	0	0

Interval 3 (min)	30	30
Drop (in)	0	0

Interval 4 (min)	30	30
Drop (in)	0	0

Final Drop in/hr	0	0
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Infiltration Rate= 0.00 in/hr



### Double Ring Infiltrometer Test Report

Site: 365 Cedar Road - SW-3  
Municipality: Abington Township  
County: Montgomery  
Date: 6/1/2021

Testing Depth: 36"  
(Below Ground Surface)

	<b>Test #1</b>	<b>Test #2</b>
	Drop (in)	Drop (in)
Presoak 1 (30 min)	0.125	0.125
Presoak 2 (30 min)	0	0

	<b>Test #1</b>	<b>Test #2</b>
Interval 1 (min)	30	30
Drop (in)	0	0

Interval 2 (min)	30	30
Drop (in)	0	0

Interval 3 (min)	30	30
Drop (in)	0	0

Interval 4 (min)	30	30
Drop (in)	0	0

Final Drop in/hr	0	0
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Infiltration Rate= 0.00 in/hr



### Double Ring Infiltrometer Test Report

Site: 365 Cedar Road - SW-4  
 Municipality: Abington Township  
 County: Montgomery  
 Date: 6/1/2021

Testing Depth: 84"  
 (Below Ground Surface)

	<b>Test #1</b>	<b>Test #2</b>
	Drop (in)	Drop (in)
Presoak 1 (30 min)	1.5	2
Presoak 2 (30 min)	0.75	1.25

	<b>Test #1</b>	<b>Test #2</b>
Interval 1 (min)	30	30
Drop (in)	0.75	1.25

Interval 2 (min)	30	30
Drop (in)	0.75	1.25

Interval 3 (min)	30	30
Drop (in)	0.75	1.25

Interval 4 (min)	30	30
Drop (in)	0.75	1.25

Final Drop in/hr	1.5	2.5
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Infiltration Rate= 2.00 in/hr

Double Ring Infiltrometer Test Report

Site: 365 Cedar Road - SW-5  
 Municipality: Abington Township  
 County: Montgomery  
 Date: 6/1/2021

Testing Depth: 72"  
 (Below Ground Surface)

	Test #1	Test #2
	Drop (in)	Drop (in)
Presoak 1 (30 min)	1.5	2
Presoak 2 (30 min)	0.75	1.25

	Test #1	Test #2
Interval 1 (min)	10	10
Drop (in)	3.0	4.0

Interval 2 (min)	10	10
Drop (in)	3.0	4.0

Interval 3 (min)	10	10
Drop (in)	3.0	4.0

Interval 4 (min)	10	10
Drop (in)	2.75	3.5

Interval 5 (min)	10	10
Drop (in)	2.75	3.0

Interval 6 (min)	10	10
Drop (in)	2.5	2.75

Interval 7 (min)	10	10
Drop (in)	2.5	2.75

Interval 8 (min)	10	10
Drop (in)	2.5	2.75

Final Drop in/hr	15.0	16.5
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Infiltration Rate= 15.75 in/hr





### Double Ring Infiltrometer Test Report

Site: 365 Cedar Road - SW-6  
 Municipality: Abington Township  
 County: Montgomery  
 Date: 6/1/2021

Testing Depth: 72"  
 (Below Ground Surface)

	<b>Test #1</b>	<b>Test #2</b>
	Drop (in)	Drop (in)
Presoak 1 (30 min)	Dry	Dry
Presoak 2 (30 min)	Dry	Dry

	<b>Test #1</b>	<b>Test #2</b>
Interval 1 (min)	10	10
Drop (in)	1.0	2.0

Interval 2 (min)	10	10
Drop (in)	0.75	1.8

Interval 3 (min)	10	10
Drop (in)	0.75	1.5

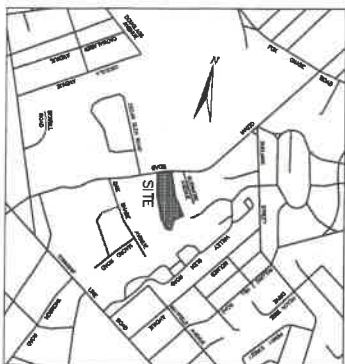
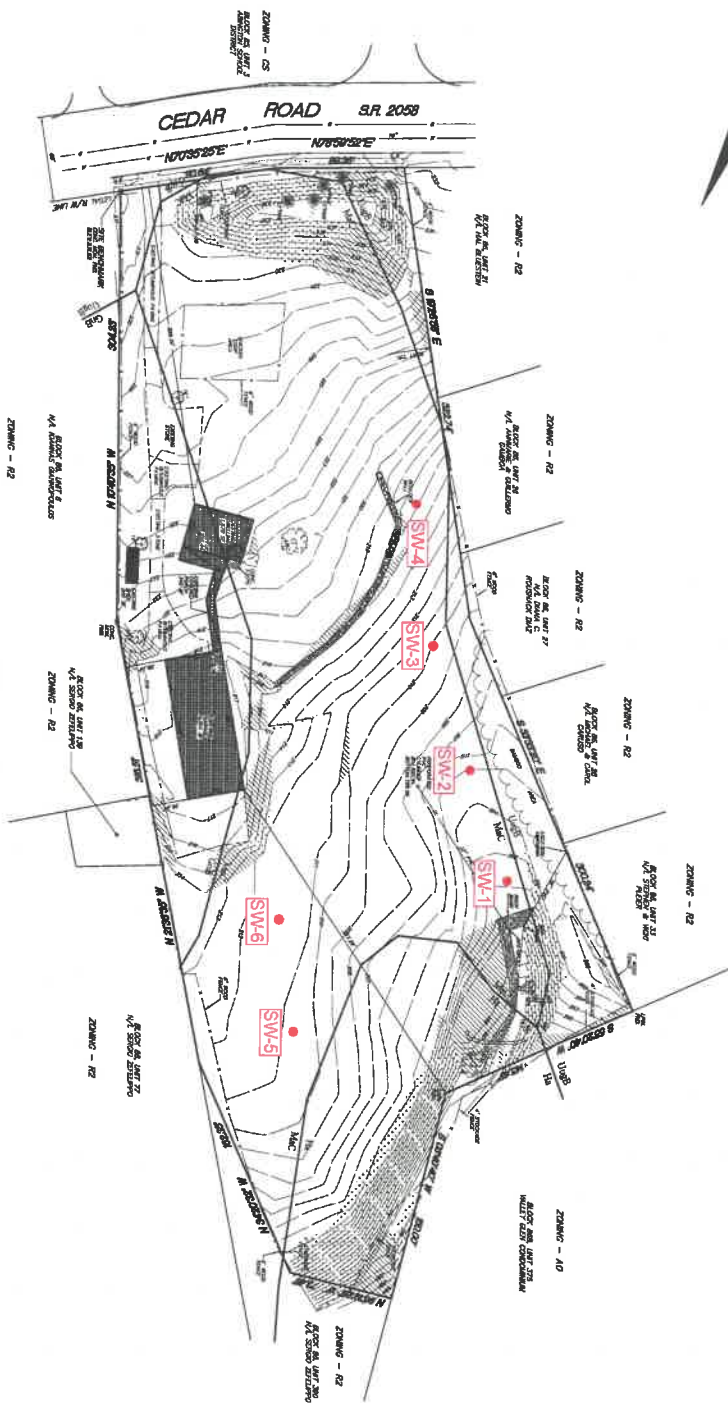
Interval 4 (min)	10	10
Drop (in)	0.75	1.5

Interval 5 (min)	10	10
Drop (in)	0.75	1.5

Interval 6 (min)	10	10
Drop (in)	0.75	1.5

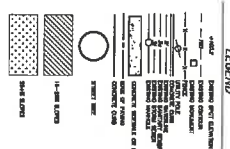
Final Drop in/hr	4.5	9.0
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Infiltration Rate= 6.75 in/hr



**ACT 187 USERS LIST**

NAME	ADDRESS	PHONE
1. TOWNSHIP OF JACOBSON	100 N. 100 W. 100 S.	717-261-8888
2. JACOBSON PROPERTY, INC.	700 N. 100 W. 100 S.	717-261-8888
3. JACOBSON PROPERTY, INC.	700 N. 100 W. 100 S.	717-261-8888
4. JACOBSON PROPERTY, INC.	700 N. 100 W. 100 S.	717-261-8888
5. JACOBSON PROPERTY, INC.	700 N. 100 W. 100 S.	717-261-8888
6. JACOBSON PROPERTY, INC.	700 N. 100 W. 100 S.	717-261-8888
7. JACOBSON PROPERTY, INC.	700 N. 100 W. 100 S.	717-261-8888
8. JACOBSON PROPERTY, INC.	700 N. 100 W. 100 S.	717-261-8888
9. JACOBSON PROPERTY, INC.	700 N. 100 W. 100 S.	717-261-8888
10. JACOBSON PROPERTY, INC.	700 N. 100 W. 100 S.	717-261-8888



EXISTING FEATURES PLAN  
365 CEDAR ROAD  
ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA  
MADE FOR  
**PAUL YANNESSIA**  
SCALE: 1"=40'  
6 AUGUST 2019  
EASTERN/CHADRON ASSOCIATES, INC.  
330 E. STREET ROAD, HARRISBURG, PA 17101  
TEL: 717-651-1111 FAX: 717-651-1112



Thomas Hecker, Board President  
Matthew Vahey, Board Vice President  
Richard J. Manfredi, Township Manager

## TOWNSHIP OF ABINGTON

### ABINGTON TOWNSHIP RESOLUTION NO. 22-015

#### A RESOLUTION OF ABINGTON TOWNSHIP, COUNTY OF MONTGOMERY, COMMONWEALTH OF PENNSYLVANIA, SUPPORTING THE ENACTMENT OF A RESPONSIBLE CONTRACTOR ORDINANCE

WHEREAS, pursuant to 53 P.S. 56801, the First Class Township Code requires that most public works contracts be awarded to the lowest “responsible” bidder; and

WHEREAS, notwithstanding the importance of the “responsible” bidder requirement, there is very limited guidance for defining the term “responsible” in relevant statutes, regulations or case law and, therefore, prudent procurement and contracting policy dictates that this term should be more specifically defined; and in doing so, available guidance regarding the general meaning of the “responsible” contractor term should be followed, which typically relates to the technical qualifications and other capabilities relating to a contractor’s ability to successfully deliver public works projects; and

WHEREAS, many states and local jurisdictions in the U.S. face critical contracting needs in the future, including those for public works and infrastructure projects, that will require significant efforts to plan, manage and oversee major capital investments in both the short and long term; see PRESIDENT’S COUNCIL OF ECON. ADVISORS, ECONOMIC BENEFITS AND IMPACTS OF EXPANDED INFRASTRUCTURE INVESTMENT 3 (2018) (estimating \$4.6 trillion in infrastructure investment is needed between 2016 and 2025); and

WHEREAS, in undertaking its infrastructure and other public works projects, Abington Township (“Township”) seeks to utilize reliable and efficient procurement procedures that will help ensure that its projects are delivered with reasonable certainty, in a safe, timely manner, and in accordance with contract specifications and applicable industry codes at the lowest overall cost and best value; and

WHEREAS, securing successful delivery of projects in the construction industry is particularly difficult due to the unique, complex, unpredictable and inherently dangerous nature of the industry, wherein errors in project planning or execution can result in serious health and safety risks to project workers and/or the general public, significant and avoidable cost overruns, flawed or inferior projects, and disruptions in performance schedules that delay the availability and use of critical government facilities; MAUREEN CONWAY & ALLISON GERBER, ASPEN INST., WORKFORCE STRATEGIES INITIATIVE, CONSTRUCTION PRE-APPRENTICESHIP PROGRAMS: RESULTS FROM A NATIONAL SURVEY 6-7 (2009)(discussing complicating factors in successful delivery of construction projects and the risks of using poorly trained workers); and

WHEREAS, to protect its financial and proprietary interests in these projects, and to offset performance risks inherent to public works contracting, the Township must utilize efficient procurement procedures that adequately protect and promote these interests, including clearly defined, pre-established



evaluation criteria to address the unique challenges of capital construction and result in the selection of qualified, reputable contractors and subcontractors that are committed to the Township's goals of safe, timely, cost-effective project delivery; and

WHEREAS, to establish efficient procurement procedures, the Township specifically seeks to require that its public works contracts are performed by qualified "responsible" contractors and subcontractors that meet essential performance criteria, including: (a) satisfactory records of past performance, including compliance with applicable laws and industry regulations; and (b) adequate present performance capabilities, including contractor and subcontractor competency and availability of skilled craft personnel; and

WHEREAS, effective contracting procedure must recognize and address unique challenges relating to procurement in the construction industry, including the following:

(a) construction is a transient industry, which requires a careful review of a firm's past performance, as well as its current capabilities;

(b) construction is an inherently dangerous industry that requires craft personnel to receive proper safety training; Geetha M. Waehrer et al., Costs of Occupational Injuries in Construction in the United States, 39 ACCIDENT ANALYSIS & PREVENTION 1258 (2007)(construction is a high risk industry and accounts for disproportionate share of work-related injuries); Bureau of Labor Statistics, Fatalities in the Construction Industry, MONTHLY LAB. REV., July 2014 (industry accounts for 40% of all fatal work-related falls);

(c) under virtually any market conditions, construction projects require assurances of a reliable supply of well-trained craft personnel because it is a highly skilled, labor intensive industry; and

(d) the construction industry is currently facing acute, worsening skill shortages and such conditions pose major risks to the planning and execution of capital construction projects; CONSTRUCTION LABOR MARKET ANALYZER, CONSTRUCTION USERS ROUNDTABLE (CURT), THE LONG-TERM OUTLOOK FOR CONSTRUCTION 6 (2017)(estimating an impending deficit of 1.5 million skilled workers through 2022 in the construction industry); see also, Gabriela Rico, Labor Shortage, steel-cost uncertainties halt work on highly anticipated Oro Valley senior community, Arizona Daily Star (June 9, 2018), [https://tucson.com/business/labor-shortage-steel-cost-worries-halt-anticipated-oro-valley-senior/article\\_9c48ee4f-7a90-5c89-90e2-aedd902738ec.html](https://tucson.com/business/labor-shortage-steel-cost-worries-halt-anticipated-oro-valley-senior/article_9c48ee4f-7a90-5c89-90e2-aedd902738ec.html) (discussing how labor shortage caused cancellation of \$100 million senior living center; Anastachiah Ondieki, Skilled labor shortages hit Vogtle as Georgia Power reports progress, Atlanta Journal-Constitution (Apr. 20, 2018), <https://www.ajc.com/news/local-govt--politics/skilled-labor-shortages-hit-vogtle-georgia-power-reports-progress/xaVdaBLjix0WXj4v6jYFwI/> (discussing how shortage of electricians in Georgia is delaying completion of nuclear power plant; Chirs Ramirez, Labor shortage causes Exxon to shift construction plans, Corpus Christi Caller-Times (Aug. 9, 2017), <https://www.caller.com/story/news/2017/08/09/labor-shortage-causes-exxon-shift-construction-plans/525241001/> (discussing how shortage of welders in the Gulf Coast delayed construction of world's largest ethylene plant); Ben DuBose, ECF '16: Energy Contractors Need Newcomers to Ease Labor Shortage, Hydrocarbon Processing (Mar. 1, 2016), <http://www.hydrocarbonprocessing.com/Article/3533820/Conference-news/ECF-16-Energy-contractors-need-newcomers-to-ease-labor-shortage.html> (discussing how labor shortage contributes to a 65% failure rate among mega-projects in Gulf Coast Region); Gavin Aronsen, Labor Shortage Delays DuPont Plant Completion, Ames Tribune (Jan. 9, 2015), <http://amestrib.com/news/labor-shortage-delays-dupont-plant-completion> (discussing how the shortage of qualified workers delayed the completion of a \$200 million DuPont ethanol



plant in Iowa); and

WHEREAS, due to acute labor shortages in construction craft personnel, leading construction industry groups, including trade associations representing project owners, such as the Construction Users Roundtable (CURT), have repeatedly issued strong recommendations to parties purchasing construction services for large capital projects that they should adopt a pre-qualification standard that requires contractors and subcontractors to prove their participation in craft labor training programs in order to bid or perform work on projects; and

WHEREAS, the above-referenced recommendations are specifically designed to protect the project owner's financial and proprietary interests in capital projects by ensuring that such firms provide skill training to construction craft personnel and have an adequate supply of trained, skilled construction workers to perform their projects; CURT, WP-1101, SKILLED LABOR SHORTAGE RISK MITIGATION (January 2015)(recommending that, to address skill challenges, project owners require contractors to provide skills training as a condition of bidding projects); MATT HELMER & DAVE ALTSTADT, ASPEN INST., WORKFORCE STRATEGIES INITIATIVE, APPRENTICESHIP: COMPLETION AND CANCELLATION IN THE BUILDING TRADES 8-9 (2013)(proposing a requirement that all contractors participating in publicly funded projects participate in registered apprenticeship programs); ROBERT LERMAN ET AL., BENEFITS AND CHALLENGES OF REGISTERED APPRENTICESHIP: SPONSORS' PERSPECTIVE ii (2009)(finding that 97% of employer-sponsors of registered apprenticeship programs would recommend the program to others and that over 80% of sponsors cited filling the demand for skilled workers as a "very important" benefit of apprenticeship); CURT, CONFRONTING THE SKILLED WORKFORCE SHORTAGE (June 2004)(recommending all owners prequalify contractors on the basis of craft training); DAVID H. BRADLEY & STEPHEN A. HERZENBERG, CONSTRUCTION APPRENTICESHIP AND TRAINING IN PENNSYLVANIA 3 (2002)(describing "free rider" market failure that incentivizes employers to under-train construction workers in the absence of apprenticeship programs); and

WHEREAS, in seeking to ensure the adequate development of trained, skilled personnel for the construction industry, as well as other industries, the United States Congress passed the Fitzgerald Act, Pub. L. No. 75-308, 50 Stat. 664, which created a system in which workers could be properly trained in construction skills and safety procedures through organized, formally registered apprenticeship training programs that meet established quality, safety and performance standards and that such programs are approved and monitored by the U.S. Department of Labor and state labor agencies, including the Pennsylvania State Apprenticeship Council; and

WHEREAS, numerous construction industry organizations, as well as notable public policy groups, support apprenticeship as an effective means for providing craft labor personnel with essential training and skills, while providing them with valuable employment opportunities. For example, the Associated Builders and Contractors ("ABC")("ABC has become the world leader in apprenticeship and craft training in the merit shop construction industry"), <https://www.abc.org/Education-Training/Craft-Training-Apprenticeship>; see also, ABC Eastern PA Chapter ("ABC Apprenticeship program has played a critical role in developing our apprentices into Journeyworkers. They've gained the knowledge and hands on skills needed to be successful in the field and have played an integral part in growing our organization and allowing us the opportunity to expand into different locations and markets."); North America's Building Trade Unions ("apprenticeship programs train workers to become, highly-skilled . . . construction workers through a debt-free, technologically-advanced education . . . earn-as-you-learn programs with family-sustaining wages and





provide health care coverage and retirement benefits”), <https://nabtu.org/apprenticeship-and-training>; Center for American Progress (“Apprenticeship is a proven worker training strategy that combines on-the-job training with classroom instruction . . . [f]or workers, apprenticeship means a real job that leads to a credential that is valued in the labor market. Apprentices are paid for their time spent on the job, accumulate little to no student debt, and are generally retained once they have successfully completed their programs; Aspen Institute (“Efforts to increase the number of apprenticeships have broad bipartisan support with advocates at the federal, state, and local levels. At the federal level, both the Trump administration and Obama administration prioritized expanding apprenticeship programs as a way to align the needs of workers and employers. In Congress, the Apprenticeship and Jobs Training Act of 2017—seeks to expand the use of apprenticeships through an employer tax credit—has earned bipartisan support” in both the House and Senate), <https://www.aspeninstitute.org/blog-posts/apprenticeships-as-model-of-skills-based-training>; and

WHEREAS, research from both government and industry underscore the need to expand the use of apprenticeship training across the economy, especially in construction, as a means for promoting skills training to address current and future workforce development needs; such reports include a joint report issued by various agencies of the federal government—U.S. DEP’T OF LABOR, COMMERCE, EDUC., AND HEALTH AND HUMAN SERVS., WHAT WORKS IN JOB TRAINING: A SYNTHESIS OF THE EVIDENCE 8 (2014); WORKFORCE TRAINING AND EDUC. COORDINATING BD., WORKFORCE TRAINING RESULTS 2015 5, 47-49 (2015)(showing that, compared to other worker training programs in Washington state, apprenticeship training was “very successful” and ranked first in: increased annualized earnings for workers, net participant benefits, net public benefits, and present value of net returns to taxpayers); U.S. DEP’T OF COMMERCE, ECON. AND STATISTICS ADMIN. & CASE WESTERN RESERVE UNIV., THE BENEFITS AND COSTS OF APPRENTICESHIP: A BUSINESS PERSPECTIVE (showing apprenticeship programs are unanimously supported by participating employers and highly cost-effective due to numerous factors, including higher productivity of trained workers, improved safety, project quality, reliable project staffing, and reduction in employee turnover); COUNCIL OF ECON. ADVISORS, ADDRESSING AMERICA’S RESKILLING CHALLENGE 7-8 (2018)(showing that Federal, state, and local governments in the U.S. spend “far less” on retraining and reskilling than other advanced economies); Federal Executive Order promoting greater use of apprenticeship programs to train the U.S. workforce: Exec. Order No. 13,801, 82 Fed. Reg. 28,229 (June 20, 2017); and

WHEREAS, in recognizing the value created by apprenticeship training and the significant return-on-investment apprenticeship programs produce for employers, the Executive Branch has taken steps through Executive Orders and the creation of a task force devoted to apprenticeships to support and encourage the expansion of apprenticeship training programs nationwide in conjunction with private and public entities; Exec. Order No. 13,845, 83 Fed. Reg. 35,099 (July 24, 2018) (creating a National Council for the American Worker to promote apprenticeship training programs as a means of addressing the skills crisis facing the nation); TASK FORCE ON APPRENTICESHIP EXPANSION, FINAL REPORT TO THE PRESIDENT OF THE UNITED STATES 15 (2018) (estimating every dollar spent by employers on apprenticeship programs yields a return of \$1.47); and

WHEREAS, the courts have consistently recognized that states and local jurisdictions seeking to protect substantial financial and proprietary interests have the right to enact contracting and procurement legislation and/or to impose contract bid specifications designed to ensure the performance capabilities of prospective contractors and subcontractors and their employees, including apprenticeship training



requirements and other craft labor qualifications; see Bldg. & Const. Trades Council of the Metro. Dist. v. Assoc. Builders & Contractors of Mass. and R.I., Inc., 507 U.S. 218 (1993); Assoc. Builders & Contractors v. Mich. Dep't of Labor & Econ. Growth, 543 F.3d 275 (6th Cir. 2008); Hotel Emps. & Restaurant Emps. Union, Local 57 v. Sage Hospitality Res., LLC, 390 F.3d 206 (3d Cir. 2004); Assoc. Builders & Contractors, Inc. v. New Castle Township, 144 F. Supp. 3d 633 (D. Del. 2015); and Allied Constr. Indus. v. City of Cincinnati, No. 16-4248, 2018 WL 283775 (6th Cir. 2018); and

WHEREAS, the Township finds that apprenticeship training programs which are registered with and approved by federal or state agencies, and maintained in accordance with regulations issued pursuant to the Fitzgerald Act, provide the most reliable means for securing a reliable supply of qualified craft labor for capital projects and further recognizes that essential levels of work quality, safety and cost-efficiency on its public works projects will be better achieved by requiring the use of contractors and subcontractors that participate in bona fide apprenticeship programs with a proven record of graduating apprentices and providing effective skill training in the construction industry; U.S. DEP'T OF LABOR EMP'T AND TRAINING ADMIN., REGISTERED APPRENTICESHIP FACT-SHEET 1 (2000) (workers that complete apprenticeships are more motivated, more productive, and have lower worker compensation costs because of training programs' emphasis on safety); PAUL M. GOODRUM, CONSTRUCTION INDUSTRY CRAFT TRAINING IN THE UNITED STATES AND CANADA (2000) (finding that for a single capital construction project, each dollar invested in craft training yields a return of \$1.30 to \$3.00); DEBBIE REED ET. AL, AN EFFECTIVENESS ASSESSMENT AND COST-BENEFIT ANALYSIS OF REGISTERED APPRENTICESHIP IN 10 STATES xiv (2012) (finding that the social benefit of an individual completing an apprenticeship training program exceeds the social costs by \$49,000); and

WHEREAS, the Township wishes to revise its procurement standards for public works construction to address these findings and considerations, limit project delivery risks and protect its financial and proprietary interests, and better ensure efficient procurement and successful delivery of these projects.

NOW, THEREFORE, BE IT RESOLVED that Abington Township is committed to addressing the challenges it faces relating to public works projects by enacting necessary and appropriate procurement legislation to protect its proprietary and financials interests and create adequate safeguards to ensure the successful delivery of such projects to the fullest extent possible.

RESOLVED and ADOPTED this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

Attest:

TOWNSHIP OF ABINGTON  
BOARD OF COMMISSIONERS

\_\_\_\_\_  
Richard J. Manfredi  
Township Manager & Secretary

\_\_\_\_\_  
Thomas Hecker, President



BOARD OF COMMISSIONERS REGULAR  
PUBLIC MEETING

AGENDA ITEM

May 12, 2022

BOC-07-051222

DATE

AGENDA ITEM NUMBER

Administration

DEPARTMENT

FISCAL IMPACT

Cost > \$10,000

Yes

☐

No

☒

PUBLIC BID REQUIRED

Cost > \$20,100

Yes

☐

No

☒

AGENDA ITEM:

Conversion Therapy Resolution

EXECUTIVE SUMMARY:

The Resolution attached was at the request of Commissioner Schreiber.

PREVIOUS BOARD ACTIONS:

n/a

RECOMMENDED BOARD ACTIONS:

Motion to adopt Resolution No. 22-014 condemning the practice of conversion therapy and urging state lawmakers to enact the protection of minors from conversion therapy act. (Ms. Schreiber)



Thomas Hecker, Board President  
Matthew Vahey, Board Vice President  
Richard J. Manfredi, Township Manager

## TOWNSHIP OF ABINGTON

### ABINGTON TOWNSHIP RESOLUTION NO. 22-014

#### **A RESOLUTION OF ABINGTON TOWNSHIP, COUNTY OF MONTGOMERY, COMMONWEALTH OF PENNSYLVANIA, CONDEMNING THE PRACTICE OF CONVERSION THERAPY AND URGING STATE LAWMAKERS TO ENACT THE PROTECTION OF MINORS FROM CONVERSION THERAPY ACT**

**WHEREAS**, the American Psychiatric Association published a position statement in December 1998 opposing any psychiatric treatment, including reparative or conversion therapy, which therapy regime is based upon the assumption that homosexuality per se is a mental disorder or that a patient should change his or her homosexual orientation; and

**WHEREAS**, the American Psychological Association's Task Force on Appropriate Therapeutic Responses to Sexual Orientation ("APA Task Force") concluded that sexual orientation change efforts can pose critical health risks to lesbian, gay and bisexual people, including confusion, depression, guilt, helplessness, hopelessness, shame, social withdrawal, suicidality, substance abuse, stress, disappointment, self-blame, decreased self-esteem and authenticity to others, increased self-hatred, hostility and blame toward parents, feelings of anger and betrayal, loss of friends and potential romantic partners, problems with sexual and emotional intimacy, sexual dysfunction, high-risk sexual behaviors, a feeling of being dehumanized and untrue to self, a loss of faith and a sense of having wasted time and resources; and

**WHEREAS**, following the report issued by the APA Task Force, the American Psychological Association issued a resolution in 2009 on Appropriate Affirmative Responses to Sexual Orientation Distress and Change Efforts, advising parents, guardians, young people and their families to avoid sexual orientation change efforts that portray homosexuality as a mental illness or developmental disorder and instead encourages psychotherapy, social support, and educational services that provide accurate information on sexual orientation and sexuality, increased family and school support, and reduced rejection of sexual minority youth; and

**WHEREAS**, the American Academy of Child and Adolescent Psychiatry published a statement in 2012 in its journal that "given that there is no evidence that efforts to alter sexual orientation are effective, beneficial or necessary, and the possibility that they carry the risk of significant harm, such interventions are contraindicated"; and

**WHEREAS**, the American Academy of Pediatrics in 1993 published an article in its journal, Pediatrics, stating that "therapy directed at specifically changing sexual orientation is contraindicated, since it can provoke guilt and anxiety while having little or no potential for achieving changes in orientation"; and



**WHEREAS**, the American Medical Association Council on Scientific Affairs prepared a report in 1994 in which it stated that "aversion therapy (a behavioral or medical intervention which pairs unwanted behavior, in this case, homosexual behavior, with unpleasant sensations or aversive consequences) is no longer recommended for gay men and lesbians. Through psychotherapy, gay men and lesbians can become comfortable with their sexual orientation and understand the societal response to it"; and

**WHEREAS**, the National Association of Social Workers prepared a 1997 policy statement in which it stated that "social stigmatization of lesbian, gay and bisexual people is widespread and is a primary motivating factor in leading some people to seek sexual orientation changes. Sexual orientation conversion therapies assume that homosexual orientation is both pathological and freely chosen. No data demonstrates that reparative or conversion therapies are effective, and, in fact, they may be harmful"; and

**WHEREAS**, the American Counseling Association Governing Council issued a position statement in April 1999, and in it the council states that they "oppose 'the promotion of "reparative therapy" as a "cure" for individuals who are homosexual"; and

**WHEREAS**, the American Psychoanalytic Association issued a position statement in June 2012 on attempts to change sexual orientation, gender identity or gender expression, in which it states, "As with any societal prejudice, bias against individuals based on actual or perceived sexual orientation, gender identity or gender expression negatively affects mental health, contributing to an enduring sense of stigma and pervasive self-criticism through the internationalization of such prejudice. Psychoanalytic technique does not encompass purposeful attempts to 'convert,' 'repair,' change or shift an individual's sexual orientation, gender identity or gender expression. Such directed efforts are against fundamental principles of psychoanalytic treatment and often result in substantial psychological pain by reinforcing damaging internalized attitudes"; and

**WHEREAS**, the Pan American Health Organization issued a statement in 2012 that "these supposed conversion therapies constitute a violation of the ethical principles of health care and violate human rights that are protected by international and regional agreements; and

**WHEREAS**, the Substance Abuse and Mental Health Services Administration of the United States Department of Health and Human Services issued a report in 2015 examining the scientific literature on conversion therapy and concluding that "conversion therapy efforts to change in individual's sexual orientation, gender identity or gender expression is a practice that is not supported by credible evidence" and that it "may put young people at risk of serious harm"; and

**WHEREAS**, the Board of Commissioners of Abington Township finds that being lesbian, gay, bisexual, or transgender is not a disease, disorder, illness, deficiency, or shortcoming, and that research has demonstrated conversion therapy can pose critical health risks to lesbian, gay, bisexual, or transgender persons. Abington Township is a township and community that promotes inclusion for all; diversity is welcome, it is valued and is celebrated. The health and safety of our residents and people working in Abington Township are paramount.





**NOW THEREFORE, BE IT RESOLVED** by the Abington Township Board of Commissioners that Abington Township condemns the practice of conversion therapy as inimical to the good health, wellbeing and welfare of the citizens of this Township and urges the Pennsylvania General Assembly to enact the Protection of Minors from Conversion Therapy to prohibit a mental health professional from engaging in this archaic treatment with anyone under the age of 18, in order to protect the physical and psychological well-being of LGBTQ minors.

**I HEREBY CERTIFY** that this Resolution was adopted by Abington Township at its public meeting held on the 12th day of May, 2022.

**ATTEST:**

**ABINGTON TOWNSHIP**

---

Richard J. Manfredi  
Township Manager & Secretary

---

Thomas Hecker, President  
Board of Commissioners



BOARD OF COMMISSIONERS REGULAR  
PUBLIC MEETING

AGENDA ITEM

May 12, 2022

BOC-08-051222

DATE

AGENDA ITEM NUMBER

Administration

DEPARTMENT

FISCAL IMPACT

Cost > \$10,000

Yes

☐

No

☒

PUBLIC BID REQUIRED

Cost > \$20,100

Yes

☐

No

☒

AGENDA ITEM:

Wood Change Order Request

EXECUTIVE SUMMARY:

This is an annual rate escalation of 3% per the contract with Wood for the development of the Comprehensive Stormwater Management Plan. The escalation fee in the amount of \$1,239.06 is for the remaining tasks of 2.3 Evaluate Existing Ordinances, Task 2.4 Future Services, Task 2.5 Stakeholder Input, Task 2.6 Public Outreach, Task 2.8 Comprehensive Stormwater Management Plan.

PREVIOUS BOARD ACTIONS:

n/a

RECOMMENDED BOARD ACTIONS:

Motion to ratify the Comprehensive Stormwater Management Plan change order request. (Mr. Manfredi & Mr. Hassan)



Wood Environment & Infrastructure Solutions, Inc.  
751 Arbor Way  
Suite 180  
Blue Bell, PA 19422  
[www.woodplc.com](http://www.woodplc.com)

May 9, 2022

Mr Richard Manfredi  
Township Manager  
Township of Abington  
1176 Old York Road  
Abington, PA 19001

**Re: Comprehensive Stormwater Management Plan Change Order Proposal**

Dear Mr. Manfredi,

In an effort to complete our current scope of services under the escalated April 2022 to April 2023 rate structure, Wood Environment & Infrastructure Solutions (Wood) has prepared this change order proposal for the Township of Abington (the Township) for the amount of \$1,239.06. Our management team reviewed the scope completed to date, the rate escalation dates, as well as the progress made to date regarding remaining tasks, and we would like to propose a modified change order.

Based on the approved change order from December 2021, the following tasks remained with effort to expend as of April 1, 2022, and the respective cost for each task as it was proposed is shown in the table below. We have also added a column to show the impact of the April 1 escalation on tasks that have remaining effort.

Task	Task Name	% Effort Expended before 4/1/2022	2021 Cost (\$)	Remaining Task Budget (\$) as of 4/1/2022	3% Escalation Cost on Remaining Effort (\$) as of 4/1/2022
2.1	Define Current Program and Cost	100%	4,482	0	0
2.3	Evaluate Existing Ordinances	0%	\$6,407.00	\$6,407.00	\$192.21
2.4	Future Services	90%	\$16,950.00	\$1,695.00	\$50.85
2.5	Stakeholder Input	0%	\$10,979.00	\$10,979.00	\$329.37
2.6	Public Outreach	0%	\$9,142.00	\$9,142.00	\$274.26
2.7	Evaluate Funding Options	100%	\$2,245.00	\$0.00	\$0.00

Task	Task Name	% Effort Expended before 4/1/2022	2021 Cost (\$)	Remaining Task Budget (\$) as of 4/1/2022	3% Escalation Cost on Remaining Effort (\$) as of 4/1/2022
2.8	Comprehensive Stormwater Management Plan	0%	\$13,079.00	\$13,079.00	\$392.37
<b>Change in Cost due to 2022 Escalation</b>				<b>\$1,239.06</b>	
Contract Value as of December 2021 Change Order				\$182,329.00	
<b>Proposed Contract Value after April 2022 Escalation</b>				<b>\$183,568.06</b>	

Wood understands that challenges with the COVID-19 Pandemic played a significant role in the Township's ability to hold public meetings or engage in stakeholder engagement since the initial project was contracted; therefore, we have outlined adaptive techniques to accomplish the goals of Public Outreach and Stakeholder Engagement (Tasks 2.5 and 2.6) in an efficient and productive manner. Since Tasks 2.5 and 2.6 were scoped for completion on a timeline parallel with the development of Current and Future Services Reports, which have already been delivered in draft form, Wood has proposed additional schedule, detailed assumptions and methods pertaining to the remaining tasks, to bring all parties in congruence on the path forward.

#### Completion of Tasks 2.5 & 2.6

Based on previous correspondence and the desire to move forward with these tasks, Wood assumes that the Township of Abington wishes to hold public forums focused on stormwater. Originally, the scope of the project had stakeholder engagement and public outreach scoped as separate events, where information was disseminated during public outreach, but stakeholder engagement offered the opportunity to gain feedback from the group. In this Change Order request, Wood proposes to combine the public outreach and stakeholder engagement, to create forums that have opportunities to collect feedback from the audience while information is presented. Based on this combined approach, Wood has devised the following schedule to complete the public forums. The schedule is dependent on steps within the schedule for feedback such as review or comment, as well as the Township completing mailers, website updates, social media posts etc., as described below

#### Stormwater Public Outreach Plan – Timelines for Forums

##### May

- Finalize Public Education and Outreach Plan with Abington Township – Submitted with this proposal – **Attachment A** – Reviewed by Township of Abington within 2 weeks – by **May 23, 2022** – Final returned to Abington by **May 27, 2022**
- **Attachment B** - Social Media Calendar & Social Media Post Example - Submitted with this proposal Reviewed by Township of Abington within 2 weeks – by **May 23, 2022** – Final returned to Abington by **May 27, 2022**

##### June

- Draft timeline for Public Forums with the Township – completed within 2 weeks of approval of the Public Education and Outreach Plan **by June 13, 2022**
- Create and Launch, go live with new webpage via “Stormwater Homepage” that allows public feedback with comment section (content provided by Wood, assumes launch by Township staff on Township website) by **June 13, 2022**
- Launch social media campaign (**Attachment B** - Social Media Calendar & Social Media Post Example) - Wood will submit proposed Social Media content for Township feedback within 2 weeks of agreed Public Education and Outreach Plan **by June 13, 2022** with **2 day** turnaround on comments, by Wood.

- Township Stormwater Outreach during social media campaign. Township may publish short news stories on 'Township News' on Township Website
- Publicize Forum #1 on social media – Wood will provide content. Assume that the Social Media campaign has been live for 2 weeks before Forum #1
- Township mails postcard invitation to Forum #1 – at least 1 week prior to the meeting (on or before **June 20, 2022**), assumed -mailing to household mailed by the Township, Wood provides content
- Staff review of presentation materials – Wood will prepare this and provide to the Township by **June 20th** for review (assuming Forum is held near end of June). Comments received from Township by **June 24, 2022**.
- Hold Forum #1 week of **June 27, 2022**
- Wood provides summary of feedback, questions and content from the Forum #1 – within 1 week

#### July

- Set Forum #2 date – **Week of July 25, 2022**
- Publicize Forum #2 on social media – Wood will provide content. Assume that the Social Media campaign has been live for 2 weeks advertising the Forum #2.
- Staff review of presentation materials – Wood will prepare this and provide to the Township by the **July 10**, for review
- Township mails postcard invitation to Forum #2 – at least 1 week prior to the meeting (**on or before July 18, 2022**), assumed -mailing to household mailed by the Township, Wood provides content
- Hold Forum #2 - **Week of July 25, 2022**
- Wood provides summary of feedback, questions and content from the Forum #2 – within 1 week

Please refer to **Attachments A and B** to review the Public Education and Outreach Plan and the proposed social media campaign calendar. Wood suggests using these strategies to execute the Public Outreach, assuming these forums are provided in person with a remote component provided for presentation purposes. In addition to the calendar and outreach plan proposed, Wood assumes that Township staff is present and engaged during the Public Outreach Forums. After the public outreach forums, Wood will provide a digital quiz/survey to gain feedback from stakeholders in attendance.

The Comprehensive Stormwater Management Plan is proposed to be delayed until the completion of Public Outreach to incorporate the stakeholder feedback, but Wood can work with the Township on a modified schedule depending on the components included in the Comprehensive Stormwater Management Plan.

To authorize the change order proposed, please sign in the space provided, indicating your notice for Wood to proceed. If you have any questions or comments, please contact me at (215)863-1639 or Ghazoll.Motlagh@woodplc.com.

Regards,



Ghazoll Motlagh, PE, CFM  
Associate Water Resources Engineer

James Barbis, PE, CFM  
Mid-Atlantic Water Resources Line Manager

Township of Abington Signature of Agreement of Notice to Proceed

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Signature

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Position/Title

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Date

DRAFT

## Attachment A

DRAFT



## **Public Education and Outreach Plan**

### **Stormwater Mitigation Planning and Regulatory Compliance Activities**

1. Public Meetings - Forums
  - a. Educational outreach about Stormwater & MS4
  - b. Future Program
  - c. Studies for flood mitigation
2. Press Outreach
  - a. Develop stormwater education articles (from Township) to include information about concept of flood mitigation efforts
  - b. Social Media, Print, and TV Coverage – targeted media
3. Resource Distribution
  - a. Provide information regarding targeted public meetings as well as educational resources via email (blast) and newsletter(s)
  - b. Add stormwater educational resources regarding MS4 Phase II in other communication tools such as newsletters
  - c. Develop and/or recycle resources that have been developed for the MS4 program
  - d. Community Partnerships – tools available for distribution through HOAs, community groups
4. Online Resources/Methods/Tools
  - a. Social Media education outreach
    - i. Media that has been successful for Abington in the past
  - b. Current Services – Leverage easy, accessible site location for residents to self-educate.
  - c. Enhance with photos (pre and post photos of stormwater projects... “we want to implement more of these projects”)
5. Stormwater Quiz/Survey
  - a. After a few initial stormwater outreach programs, distribute a digital survey that will lead users through stormwater information as well as a place to voice questions or concerns (this will help to inform Township on progress of outreach efforts)
6. Community Partnerships
  - a. HOAs
  - b. Environmental groups
  - c. Schools
  - d. Local conservation groups

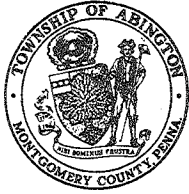
## Attachment B

DRAFT

Abington Township Social Media Schedule for Forum #1  
Website-Township News Post. Facebook Post. Twitter Post.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
	Stormwater–Novice post	Stormwater–Novice post  Stormwater-Advance post	Stormwater-Advance post		Stormwater-Update	
7	8	9	10	11	12	13
	Stormwater–Novice post	Stormwater–Novice post  Stormwater-Advance post	Stormwater-Advance post		Stormwater-Update	
14	15	16	17	18	19	20
	Stormwater–Novice post	Stormwater–Novice post  Stormwater-Advance post	Stormwater-Advance post		Stormwater-Update	
21	22	23	24	25	26	27
	Stormwater–Advance post  Stormwater-Update	Stormwater–Advance post  Stormwater-Update	Public Outreach Event			
28	29	30				
			\			





**ABINGTON TOWNSHIP**  
1176 OLD YORK ROAD,  
ABINGTON, PENNSYLVANIA 19001-3713  
P. 267.536.1024 F. 215.572.3935  
abingtonpa.gov


Office of the Treasurer  
&  
Tax Collector

JAY W. BLUMENTHAL

**MONIES RECEIVED FROM VARIOUS DEPARTMENTS  
DEPOSITED INTO REPUBLIC BANK**

**APRIL 2022 & YEAR TO DATE**

	<u>This Month</u>	<u>Year to Date</u>
<b>Code Enforcement</b>	86,632	666,500
<b>Engineering</b>	11,306	60,448
<b>Finance Department</b>	517,730	2,533,672
<i>Finance ACHs &amp; Credit Cds</i>	1,211,013	6,644,795
<i>Tax Office Real Estate Taxes</i>	21,051,619	29,525,658
<b>Fire Marshal's Office</b>	0	22,941
<b>Parks and Recreation</b>	21,898	54,262
<b>Plumbing</b>	3,480	21,440
<b>Police</b>	26,232	70,950
<b>Refuse</b>	5,622	12,976
<b>Tax Office</b>		
<i>Business Privilege Tax</i>	1,225,554	2,454,065
<i>Mercantile Tax</i>	706,790	1,548,207
<i>Local Services Tax</i>	79,696	426,389
<i>Business Tax Audits</i>	<u>0</u>	<u>0</u>
<b>Tax Office Total</b>	<u>2,012,040</u>	<u>4,428,660</u>
<b>TOTALS</b>	24,947,573	44,042,303
<b>LAST YEAR</b>	24,154,421	37,633,852
<b>INCREASE/(DECREASE)</b>	<u>793,152</u>	<u>6,408,451</u>

  
Jay W. Blumenthal  
Treasurer

# MONTHLY REPORT

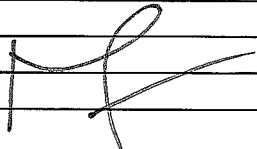
By The Abington Township Treasurer  
To the Board of Commissioners

## DEPOSITS OF REAL ESTATE TAXES AND FEES TRANSFERRED TO FINANCE DEPARTMENT

MONTH OF April 2022 YEAR TO DATE

	RECEIPTS			
	Adjusted Assessments	Month	Year To Date	Balance To Collect
Township	17,175,635	10,694,297	15,130,375	2,045,260
Fire	3,159,094	1,967,030	2,783,002	376,092
Sewer Fees	7,911,292	4,827,426	7,092,941	818,351
Refuse Fees	5,038,233	3,562,866	4,519,340	518,893
TOTALS	33,284,254	21,051,619	29,525,658	3,758,596
PERCENTAGE	100%		89%	11%

COMMENTS:                      April 2021                      20,156,371  
   Increase                      895,248

  
Respectfully Submitted,  
Jay W. Blumenthal  
Treasurer



BOARD OF COMMISSIONERS REGULAR  
PUBLIC MEETING

AGENDA ITEM

May 12, 2022

FC-01-051222

DATE

AGENDA ITEM NUMBER

Community Development

DEPARTMENT

FISCAL IMPACT

Cost > \$10,000

Yes

☐

No

☒

PUBLIC BID REQUIRED

Cost > \$20,100

Yes

☐

No

☒

AGENDA ITEM:

Approve change order for Ardsley Community Center Chair Lift Project

EXECUTIVE SUMMARY:

A change order of \$2,750 was requested to finish work on the ADA chair lift being installed under the CDBG grant at the Ardsley Community Center. This work would include "additional blocking of the lift shaft required by state requirements". This will bring the total value of the contract for this project to \$130,498.00.

PREVIOUS BOARD ACTIONS:

Approved original contract award in June 2021 (FC-02-061021); approved CDBG Annual Action Plans (2016, 2019, 2020) in which this project in contained.

RECOMMENDED BOARD ACTIONS:

Motion to approve a change order for Ardsley Community Center Chair Lift Project(Ms. Hamm)



## CONTRACT CHANGE ORDER

Contract No. #27-#01

Date 03/22/2022

Change Order No. 2

Project No. ABINT21001

Location Abington Township


To: (Contractor) Plymoth Environmental Company, Inc.

You are hereby requested to comply with the following changes from the contract plans and specifications:

Item No. (1)	Description of changes – quantities, units, unit prices, change in completion schedule, etc. (2)	Decrease in Contract Price (3)	Increase in Contract Price (4)
1	See page #2 for details of additional work		\$2,750
	Change in contract price due to this Change Order:		
	<b>Total decrease</b>		
	<b>Total increase</b>		\$2,750.00
	Difference between Col. (3) and (4)		\$2,750.00
	Net (increase/decrease) contract price		\$2,750.00

The sum of \$2,750.00 is hereby ☐ added to, ☐ deducted from, the total contract price and the total adjusted contract price to date thereby \$130,498.00.

The time provided for completion in the contract is ☒ unchanged, ☐ increased, ☐ decreased, by 0 calendar days. This document shall become an amendment to the contract and all provisions of the contract will apply hereto.

Accepted by:  03-22-2022  
Melinda K. Paoletta CONTRACTOR Sec'y-Treas. DATE

Recommended by:  3/22/2022  
Architect DATE

Approved by: \_\_\_\_\_  
OWNER DATE

## REQUEST AND JUSTIFICATION OF CHANGE

Project No.: ABINT21001

Contract No.: #27-01

Change Order No.: 2

### NECESSITY FOR CHANGE:

Additional blocking of lift shaft required by state requirements, see attached sketch.



BOARD OF COMMISSIONERS REGULAR  
PUBLIC MEETING

AGENDA ITEM

May 12, 2022

FC-02-051222

DATE

AGENDA ITEM NUMBER

Finance

DEPARTMENT

FISCAL IMPACT

Cost > \$10,000

Yes

☐

No

☒

PUBLIC BID REQUIRED

Cost > \$20,100

Yes

☐

No

☒

AGENDA ITEM:

Expenditures/Salaries & Wages for March 2022

EXECUTIVE SUMMARY:

N/A

PREVIOUS BOARD ACTIONS:

N/A

RECOMMENDED BOARD ACTIONS:

Motion to approve the March 2022 expenditures in the amount of \$1,435,264.74 and salaries and wages in the amount of \$2,052,213.95, and authorizing the proper officials to sign vouchers in payment of bills and contracts as they mature through the month of June 2022.



(Motion & Roll Call)

**EXPENDITURES:**

Total Payroll in March	2,052,213.95
Total Accounts Payable in March	1,437,507.24
Total Bank Wires	0.00
Less Void and Stop Payments	<u>(2,242.50)</u>
Total Payments	3,487,478.69

## Bank wires (total included above) payable to:

US Bank	2013 G. O. Bond	0.00
Republic Bank	2017 G. O. Note	0.00
Delaware Valley Reg.	Digital Radio Fund	<u>0.00</u>
Total Wires		0.00

## Voided checks:

72998	APS	(1,072.67)
73051	Suburban Testing	(225.00)
73063	APS	(788.73)
73326	Nancy Davis	<u>(156.10)</u>
		(2,242.50)

Payroll Related Expenditures:

	<u>March</u>	<u>YTD</u>
FICA Taxes	97,186.68	305,542.97
Hospitalization	357,951.08	1,060,612.83
Prescription	157,579.75	464,157.45
Dental	24,806.68	73,830.01
Disability and Life Insurance	14,075.53	41,792.72
Unemployment Compensation	<u>0.00</u>	<u>0.00</u>
	651,599.72	1,945,935.98

## Lease Debt Obligation

Principal & Interest through 3/31/22	44,628.00
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# EXHIBIT "A"

<u>Payee</u>	<u>Description</u>	<u>Amount</u>
The major areas of expenditures in the month of March 2022 (\$1,021,473.04 or 72%) were paid as follows:		
Fidelio Insurance Co.	March Dental Premium	10,345.50
DVHT	March Prescription	157,579.75
Delaware Valley Health	March Health & Dental Insurance Premium	350,644.20
Boston Mutual	Life & Disability Insurance March	14,075.53
Abington Library	Library Appropriation	12,981.45
Aqua PA	4th Quarter SPS Technologies Sewer Reading	15,027.13
Berkheimer Tax Administrator	Earned Income Tax	19,604.94
BODE Technology	Annual Fee	10,000.00
Colonial Oil Industries	Fuel	48,303.84
Covanta	Solid Waste Disposal	101,914.91
Delaware Valley Prop & Liability	Deductible	10,000.00
Gatso-USA	Red Light Camera September & October 2020	84,000.00
J.P. Mascaro	Single Waste Streaming	10,039.58
Jay Blumenthal	Commission	14,798.38
PECO	Street Lights January	31,663.37
	Street LightsFebruary	30,710.46
	Various Township Accounts	27,085.56
Rudolph Clark, LLC	Retainer	10,500.00
	Land Development/Litigation	4,862.00
Second Alarmers	Monthly Services	15,362.00
Think Green	Professional Services-Landscape Architecture AWS	13,862.00
Tobay Printing	Spring/Summer Activities Guide	11,344.00
Xylem Water Solutions	Monthly Rental	16,505.44
	Total	1,021,473.04

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
72992	3/2/2022	12699	2 M DISTRIBUTIONS	28070	HAND SOAP FOR SHOP \$28.54~	
	YTD Amount:	266.30				
				80855	HAND SOAP FOR SHOP \$28.54~	
					01-14-186-5304	266.30
					Total :	266.30
72993	3/2/2022	01306	ABINGTON TWP PUBLIC LIBRARY	ADULT LITERC'	ADULT LITERCY	
	YTD Amount:	33,930.55				
					ADULT LITERCY	
					01-23-072-5702	2,432.50
					Total :	2,432.50
72994	3/2/2022	07884	AIRGAS USA, LLC	1218558169985	PROPANE GAS SUPPLIES	
	YTD Amount:	296.17				
				80858	PROPANE GAS SUPPLIES	
					02-10-200-5305	177.17
					Total :	177.17
72995	3/2/2022	12572	AIRGAS USA, LLC	9122493663	OXYGEN FOR TORCHES	
	YTD Amount:	740.77				
				80838	OXYGEN FOR TORCHES	
					01-14-186-5304	89.40
					Total :	89.40
72996	3/2/2022	15969	AMAZON	11MGYVLJPTT(	BELKIN THUNDERBOLT 3 DOCK	
	YTD Amount:	5,020.35				
				80906	Belkin Thunderbolt 3 dock pro - for	
					01-04-063-5300	308.98

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
72996	3/2/2022	15969	AMAZON (Continued) 1lxjthhtpxl3	80808	1 CASE OF DUST OFF, 3 CASES 1 case of dust off, 3 cases of 6pks	
			1X1YQQMG7F4	80910	01-04-043-5323 SUPPLIES FOR ADMIN supplies for admin	253.90
					01-04-040-5323	138.04
					Total :	700.92
72997	3/2/2022	02821	APCO INSTITUTE		APCO INTERNATIONAL ANNUAL	
	YTD Amount:	216.00		80885	APCO International Annual Dues fo	
					01-04-056-5234	216.00
					Total :	216.00
72998	3/2/2022	15971	APS		WHEELS FOR HAND TRUCK \$77.	
	YTD Amount:	12,196.97	see list	80939	WHEELS FOR HAND TRUCK \$77.	
				80774	01-14-186-5304 MUFFLER FOR# 122 / FLEXPipe	829.82
					01-14-186-5304	242.85
					Total :	1,072.67
72999	3/2/2022	09224	AQUA PA WASTEWATER	4th qtr	4TH QTR 2021 SPS READING	
	YTD Amount:	15,027.13			4th qtr 2021 SPS READING	
					12-00-000-5899	15,027.13
					Total :	15,027.13
73000	3/2/2022	10093	ARDMORE TIRE COMPANY	78003	REPAIR FOR FORKLIFT TIRE (NE	
	YTD Amount:	8,730.15				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73000	3/2/2022	10093	7 000 05 ARDMORE TIRE COMPANY	(Continued)		
				80869	REPAIR FOR FORKLIFT TIRE (NE	
					02-10-200-5304	47.50
			78966		REFUSE TRUCK TIRES	
				80839	REFUSE TRUCK TIRES	
					01-14-186-5304	421.50
			79452		REFUSE TRUCK TIRE	
				80973	REFUSE TRUCK TIRE	
					01-14-186-5304	272.20
					Total :	741.20
73001	3/2/2022	00825	BERGEY'S INC.	SEE LIST	CITY HORN FOR #201 \$54.38~	
			YTD Amount: 13,883.84			
				80847	CITY HORN FOR #201 \$54.38~	
					01-14-186-5304	1,578.35
					Total :	1,578.35
73002	3/2/2022	11955	BEST LINE EQUIPMENT	P65380	FUEL BULB PUMP FOR BOB CAT	
			YTD Amount: 107.62			
				80865	FUEL BULB PUMP FOR BOB CAT	
					02-10-200-5304	17.49
					Total :	17.49
73003	3/2/2022	00707	BILLOWS ELECTRIC SUPPLY INC	5608469-00	7 - 4" LED SHOP LIGHTS, CONDL	
			YTD Amount: 2,203.83			
				80914	7 - 4" LED SHOP LIGHTS, CONDL	
					02-10-200-5317	664.85
			5615162-00		RECEPTICLE COVERS, CONNEC	
				80593	RECEPTICLE COVERS, CONNEC	
					01-13-117-5320	230.40



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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73003	3/2/2022	00707	BILLOWS ELECTRIC SUPPLY INC			
			(Continued)			
			5626809-08	80671	(2) GE BALLASTS (2) GE BALLASTS	
			5626861 56286	80681	01-13-117-5320 FORK TERMINALS , LAMP SOCKI FORK TERMINALS , LAMP SOCKI	112.26
					01-13-117-5320	42.56
					Total :	1,050.07
73004	3/2/2022	00187	BRYNER CHEVROLET INC.	971079	TIRE FOR SENNSEOR #110	
			YTD Amount: 1,089.33	80840	TIRE FOR SENNSEOR #110	
					01-14-186-5304	61.85
					Total :	61.85
73005	3/2/2022	05717	CALEA	REGISTRATION	REGISTRATION FOR CHIEF MOL	
			YTD Amount: 1,500.00	80782	Registration for Chief Molloy and Lt	
					01-04-063-5234	1,500.00
					Total :	1,500.00
73006	3/2/2022	00215	CALLAHAN CO., INC., FRANK	10136512-1	ALVERTHORPE MANOR REPAIR	
			YTD Amount: 24.12	80644	Alverthorpe Manor repair to heater	
					01-24-157-5317	24.12
					Total :	24.12
73007	3/2/2022	06812	CDW-GOVERNMENT, INC.	1C745X8	APPLE USB-C POWER ADAPTER	
			YTD Amount: 58.25	80953	apple usb-c power adapter 140 wat	
					01-04-063-5300	58.25

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73007	3/2/2022	06812	CDW-GOVERNMENT, INC.	(Continued)	Total :	58.25
73008	3/2/2022	15889	CHAPMAN FORD OF HORSHAM	916447	REPAIR OF WIRING HARNESS #2	
	YTD Amount:	65,316.23				
				80942	REPAIR OF WIRING HARNESS #2	
					01-14-186-5304	98.88
					Total :	98.88
73009	3/2/2022	12500	CLEAN MACHINE CARWASH	CARWASHES	CAR WASHES 1/9/22 - 1/30/22	
	YTD Amount:	407.00				
				80970	CAR WASHES 1/9/22 - 1/30/22	
					01-14-186-5304	137.50
					Total :	137.50
73010	3/2/2022	13773	COLLIFLOWER, INC.	01652957	1" PRESSURE HOSE CRIMP FIT	
	YTD Amount:	1,876.11				
				80866	1" PRESSURE HOSE CRIMP FIT	
					02-10-205-5304	50.99
			01656100		AIR COMPRESSOR HOSE #217	
				80837	AIR COMPRESSOR HOSE #217	
					01-14-186-5304	278.46
					Total :	329.45
73011	3/2/2022	01311	COMPUTYME INC	20646	REAL ESTATE TAX FEE	
	YTD Amount:	1,850.00				
					REAL ESTATE TAX FEE	
					01-02-021-5300	208.34
					REAL ESTATE TAX FEE	
					01-00-000-1304	208.32
					REAL ESTATE TAX FEE	
					01-00-000-1303	83.34

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73011	3/2/2022	01311	COMPUTYME INC	(Continued)	Total :	500.00
73012	3/2/2022	03261	CONROY'S CLEANING INC	JANUARY	CLEANING SERVICE - JANUARY	
	YTD Amount:	2,970.00		80809	CLEANING SERVICE - January 20	
					01-04-062-5317	805.00
					Total :	805.00
73013	3/2/2022	06833	COOPER LIGHTING	943883924	4 LED POST FIXTURES AND REP	
	YTD Amount:	7,016.00			4 LED POST FIXTURES AND REP	
					01-13-117-5325	7,016.00
					Total :	7,016.00
73014	3/2/2022	13388	COVANTA ENERGY, LLC	383634ABING	MUNICIPAL SOLID WASTE	
	YTD Amount:	343,536.17			MUNICIPAL SOLID WASTE	
					14-12-103-5305	101,914.91
					Total :	101,914.91
73015	3/2/2022	13766	DOORCHECK, INC, JAMES	744095	MANAGER'S OFFICE~	
	YTD Amount:	472.92		80575	MANAGER'S OFFICE~	
				744319	07-01-500-7551	98.67
				80576	MANAGER'S OFFICE~	
					MANAGER'S OFFICE~	
					07-01-500-7551	81.21
					Total :	179.88
73016	3/2/2022	07484	EAGLE TRUCK EQUIPMENT	21604	HYDRAULIC TUBE FOR 211/ ARM	
	YTD Amount:	2,179.78				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73016	3/2/2022	07484	EAGLE TRUCK EQUIPMENT	(Continued)		
				80716	HYDRAULIC TUBE FOR 211/ ARM	
					01-14-186-5304	709.43
					Total :	709.43
73017	3/2/2022	01100	EUREKA STONE QUARRY, INC.	465920	STONE FOR MEADOWBROOK CI	
	YTD Amount:	3,563.01				
				80833	STONE FOR MEADOWBROOK CI	
					01-13-131-5323	284.10
					Total :	284.10
73018	3/2/2022	13114	FASTENAL COMPANY	PAWIG77288	HARDWARE FOR SHOP \$197.59	
	YTD Amount:	1,151.78				
				80965	HARDWARE FOR SHOP \$197.59	
					01-14-186-5304	423.74
				PAWIG77346	NUTS & BOLTS FOR TRAILER DE	
				80966	NUTS & BOLTS FOR TRAILER DE	
					01-14-186-5304	344.00
					Total :	767.74
73019	3/2/2022	08830	FERGUSON ENTERPRISES LLC	SEE LIST	VALVES, HOSE CONNECTORS FI	
	YTD Amount:	1,053.00				
				80913	VALVES, HOSE CONNECTORS FI	
					02-10-200-5322	152.23
				80913	VALVES, HOSE CONNECTORS FI	
					02-10-203-5322	220.33
					Total :	372.56
73020	3/2/2022	08161	FINCH SERVICES INC.,	F23840	REPAIRS TO BUFFALO BLOWER	
	YTD Amount:	2,719.29				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73020	3/2/2022	08161	FINCH SERVICES INC., (Continued)	80971	REPAIRS TO BUFFALO BLOWER 01-14-186-5304	1,800.14 <b>Total : 1,800.14</b>
73021	3/2/2022	13608	FISHER ACE HARDWARE	9716 9741 9767	EXTENSION CORDS AND HEATE	
	YTD Amount:	400.40		80912	EXTENSION CORDS AND HEATE 02-10-203-5322	194.37
				80912	EXTENSION CORDS AND HEATE 02-10-205-5322	82.76
				80912	EXTENSION CORDS AND HEATE 02-10-200-5322	100.78
					<b>Total :</b>	<b>377.91</b>
73022	3/2/2022	00530	FOLEY CAT	SEE LIST	OIL DIPSTICK FOR GRINDER	
	YTD Amount:	577.50		80660	OIL DIPSTICK FOR GRINDER 07-13-575-7581	77.50
					<b>Total :</b>	<b>77.50</b>
73023	3/2/2022	16862	FORCE SCIENCE INSTITUTE	FSI 24402	REGISTRATION FOR SGT. SENN	
	YTD Amount:	1,650.00		80909	Registration for Sgt. Senne - Force 01-04-056-5234	1,650.00
					<b>Total :</b>	<b>1,650.00</b>
73024	3/2/2022	00462	FRIENDS OF BRIAR BUSH	REIMBURSEME	OFFICE AND GROUNDS SUPPLIE	
	YTD Amount:	2,396.52				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73024	3/2/2022	00462	FRIENDS OF BRIAR BUSH	(Continued)		
				80740	Laminating sheets	
					01-24-155-5300	48.08
				80740	Paint for signs	
					01-24-155-5317	45.39
				80740	Birdseed	
					01-24-155-5323	80.94
				80742	Vet Care- Tortoise	
					01-24-155-5323	289.00
				80742	Birdseed	
					01-24-155-5323	62.94
					Total :	526.35
73025	3/2/2022	16760	GENSERVE, INC.	0270436-in	MEADOWBROOK ROAD EMERGI	
	YTD Amount:	676.80				
				80920	MEADOWBROOK ROAD EMERGI	
					02-10-203-5304	676.80
					Total :	676.80
73026	3/2/2022	00512	GEPPERT INC., WILLIAM A	10906	MANAGER'S OFFICE ~	
	YTD Amount:	5,485.37				
				80579	MANAGER'S OFFICE ~	
					07-01-500-7551	71.74
			G10902		POLICE ADMINISTRATION OFFIC	
				80587	POLICE ADMINISTRATION OFFIC	
					07-01-500-7551	798.00
					Total :	869.74
73027	3/2/2022	01069	GLENSIDE LAWN & GARDEN, INC.	66124	BLOWER PARTS	
	YTD Amount:	1,015.77				



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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73027	3/2/2022	01069	GLENSIDE LAWN & GARDEN, INC.	(Continued)		
				80735	Blower parts	
					01-24-155-5304	32.29
					Total :	32.29
73028	3/2/2022	16475	GLICK FIRE EQUIPMENT CO	SHO368429	PREVENTATIVE MAINTENANCE	
	YTD Amount:	303.09				
				80776	Preventative Maintenance service	
					01-15-091-5304	303.09
					Total :	303.09
73029	3/2/2022	01110	GRAINGER, INC.	91983626630	AIR SOLENOIDS, HEATER CIRCL	
	YTD Amount:	1,055.70				
				80861	AIR SOLENOIDS, HEATER CIRCL	
					02-10-200-5304	708.70
				80861	AIR SOLENOIDS, HEATER CIRCL	
					02-10-200-5322	58.68
					Total :	767.38
73030	3/2/2022	00602	HAJOCA CORP.	s028731776.001	PLUMBING SUPPLIES FOR P.W.	
	YTD Amount:	8,491.00				
				80731	PLUMBING SUPPLIES FOR P.W.	
					07-13-575-7585	933.11
					Total :	933.11
73031	3/2/2022	00470	HILLYARD - DELAWARE VALLEY INC	604611866 LES:	BATHROOM TISSUE AND METAL	
	YTD Amount:	425.24				
				80916	BATHROOM TISSUE AND METAL	
					02-10-200-5318	413.09
					Total :	413.09

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73032	3/2/2022	00851 HOME DEPOT CREDIT SERVICES	2044158		BRUSHES	
		YTD Amount: 2,851.73				
				80836	BRUSHES	
					02-10-203-5322	43.91
					Total :	43.91
73033	3/2/2022	10249 ITSAVVY LLC	01324989		MONITOR ARM FOR PUBLIC WO	
		YTD Amount: 24,768.52				
				80708	Monitor arm for Public Works	
					01-01-005-5322	86.98
					Total :	86.98
73034	3/2/2022	12348 J.P. MASCARO & SONS	000000644		SINGLE & COMMINGLE	
		YTD Amount: 10,039.58				
					SINGLE & COMMINGLE	
					14-12-103-5305	10,039.58
					Total :	10,039.58
73035	3/2/2022	03119 JOHN KENNEDY FORD JENKINTOWN	SEE LIST		BRAKES FOR #29-11 \$94.71~	
		YTD Amount: 5,272.07				
				80854	BRAKES FOR #29-11 \$94.71~	
					01-14-186-5304	1,619.40
				80975	WASHER HOSE \$15.02~	
					01-14-186-5304	514.44
					Total :	2,133.84
73036	3/2/2022	12868 KELLER, INC., CHARLES G.	41-22		EMERGENCY GENERATOR REN	
		YTD Amount: 1,400.00				
				80857	EMERGENCY GENERATOR REN	
					02-10-203-5329	1,400.00
					Total :	1,400.00

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73037	3/2/2022	05213 LAND MOBILE CORP	220211		MOBILE RADIO FOR #114 / 306 / :	
		YTD Amount: 4,560.95		80852	MOBILE RADIO FOR #114 / 306 / :	
					01-14-186-5304	1,135.95
					Total :	1,135.95
73038	3/2/2022	16765 LEVAN MACHINE&TRUCK EQUIPMENT	174562		CRANE RADIO ASSEMBLY FOR #	
		YTD Amount: 1,628.28		80938	CRANE RADIO ASSEMBLY FOR #	
					01-14-186-5304	1,628.28
					Total :	1,628.28
73039	3/2/2022	00928 MUNICIPAL SUPPLY CO.,INC, U.S.	6193609 619367		CUSTOM SIGN BLANKS	
		YTD Amount: 3,787.85		80932	CUSTOM SIGN BLANKS	
				80932	03-13-143-5325	2,858.75
					SIGN POSTS	
					03-13-143-5325	679.10
					Total :	3,537.85
73040	3/2/2022	01034 NAPA AUTO PARTS	4607-671993		911 FUEL TREATMENT, FUEL FIL	
		YTD Amount: 1,429.48		80867	911 FUEL TREATMENT, FUEL FIL	
			SEE LIST		02-10-200-5304	33.90
				80851	PUSH RETAINERS \$5.18~	
					PUSH RETAINERS \$5.18~	
				80944	01-14-186-5304	112.61
					BULBS \$14.60~	
					01-14-186-5304	87.39
					Total :	233.90

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73041	3/2/2022	16863	ÖTTENBREIT, RICHARD		REIMBURSEMENT FOR DRONE (	
	YTD Amount:	175.00				
				80926	reimbursement for drone qualificati	
					01-04-056-5234	175.00
					Total :	175.00
73042	3/2/2022	13804	PA RURAL WATER	66721	TREATMENT PLANT OPERATOR	
	YTD Amount:	365.00				
				80844	TREATMENT PLANT OPERATOR	
					02-10-200-5234	365.00
					Total :	365.00
73043	3/2/2022	03683	PARK AUTO REPAIR INC.	1919	SNOW PLOW POWER HARNESS	
	YTD Amount:	4,043.89				
				80842	SNOW PLOW POWER HARNESS	
					03-13-148-5322	178.47
					Total :	178.47
73044	3/2/2022	01087	PROPERTY & LIABILITY TRUST, DELAWA	ded21 abing3	DEDUCTIBLE	
	YTD Amount:	289,833.00				
					DEDUCTIBLE	
					01-28-012-5215	10,000.00
					Total :	10,000.00
73045	3/2/2022	14740	QUARTZ LAMPS INC.	18452	12 REPLACEMENT UV LAMPS	
	YTD Amount:	3,000.00				
				80846	12 REPLACEMENT UV LAMPS	
					06-10-226-7038	3,000.00
					Total :	3,000.00
73046	3/2/2022	10046	REIDER ASSOCIATES, INC., M.J.	22B0007	LABORATORY TESTING FOR NPI	
	YTD Amount:	3,690.25				

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73046	3/2/2022	10046 REIDER ASSOCIATES, INC., M.J.	(Continued)	80850	LABORATORY TESTING FOR NPI 02-10-200-5305	1,711.25
					Total :	1,711.25
73047	3/2/2022	05194 RODON SIGNS INC. YTD Amount: 3,500.00	16141	80871	HALO LIT CHANNEL LETTERS TC HALO LIT CHANNEL LETTERS TC 01-13-130-5305	3,200.00
					Total :	3,200.00
73048	3/2/2022	00989 SAYRE, INC., G. L. YTD Amount: 2,451.84	01829850	80974	HYDRAULIC PUMP GASKET FOR HYDRAULIC PUMP GASKET FOR 01-14-186-5304	639.36
					Total :	639.36
73049	3/2/2022	16838 SEVEN MOTORS LLC YTD Amount: 440.00	001280	80744	TINT FOR NEW 65 CAR tint for new 65 car 01-04-058-5323	240.00
					Total :	240.00
73050	3/2/2022	09084 SHERWOOD, JENNIFER YTD Amount: 25.00	REIMBURSEME		EAC CONFERENCE REGISTRATI EAC CONFERENCE REGISTRATI 01-01-002-5340	25.00
					Total :	25.00
73051	3/2/2022	08699 SUBURBAN TESTING LABS YTD Amount: 225.00	2a02241		LABORATORY ANALYSIS FOR NF	

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73051	3/2/2022	08699	SUBURBAN TESTING LABS	(Continued)		
				80845	LABORATORY ANALYSIS FOR NF	
					02-10-200-5305	225.00
					Total :	225.00
73052	3/2/2022	00269	USA BLUE BOOK	865078	PH BUFFER PAK~	
	YTD Amount:	497.92				
				80843	PH BUFFER PAK~	
					02-10-200-5335	186.93
					Total :	186.93
73053	3/2/2022	00112	VERIZON	FEBRUARY	TELEPHONE BILLINGS	
	YTD Amount:	617.66				
					TELEPHONE BILLINGS	
					02-10-203-5307	68.12
					Total :	68.12
73054	3/2/2022	07500	VILE, SUSAN ELIZABETH	0216/2022	TRANSCRIPTION/EDITING OF MI	
	YTD Amount:	1,855.00				
					Transcription/Editing of minutes	
					01-01-002-5305	202.50
				02252022	TRANSCRIPTION/EDITING OF MI	
					Transcription/Editing of minutes BC	
					01-01-002-5305	180.00
					Total :	382.50
73055	3/2/2022	13819	WAYTEK, INC.	3305639	ELECTRICAL WIRE AND FITTING	
	YTD Amount:	373.57				
				80921	ELECTRICAL WIRE AND FITTING	
					02-10-200-5322	373.57
					Total :	373.57



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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73056	3/2/2022	09502	62538		HAZARD TREE REMOVAL	
		YTD Amount: 10,775.00				
				80738	Hazard tree removal	
					01-24-155-5317	4,900.00
					Total :	4,900.00
73057	3/2/2022	15864	LODGING		TWO ROOMS FOR CHIEF MOLLO	
		YTD Amount: 1,912.50				
				80783	two rooms for Chief Molloy and Lt M	
					01-04-063-5234	1,912.50
					Total :	1,912.50
66 Vouchers for bank code : ap2						Bank total : 194,379.26
66 Vouchers in this report						Total vouchers : 194,379.26

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73058	3/7/2022	14391	ABINGTON FIRE COMPANY		INSURANCE	INSURANCE REIMBURSEMENT -
	YTD Amount:	11,885.50				
				80859	INSURANCE REIMBURSEMENT -	
					01-15-091-5216	8,973.25
					Total :	8,973.25
73059	3/7/2022	16691	ADVANCED WELDING, FABRICATING SEI 1515		REPAIR / REINFORCE DAMAGED	
	YTD Amount:	1,350.00				
				80765	REPAIR / REINFORCE DAMAGED	
					01-14-186-5304	850.00
					Total :	850.00
73060	3/7/2022	08855	AIRGAS USA LLC	9985788504	ACETYLENE/OXYGEN CYCLINDE	
	YTD Amount:	235.70				
				80491	ACETYLENE/OXYGEN CYCLINDE	
					01-24-157-5323	117.85
					Total :	117.85
73061	3/7/2022	15969	AMAZON	16VFJVBXQ3HK	USB LAMP FOR PATROL CARS	
	YTD Amount:	5,269.16				
				80963	USB Lamps for patrol cars	
					01-04-043-5323	39.56
				1YWHMN934JJ	15 COPIES- EFFECTIVE PHRASE	
				80790	15 copies- Effective Phrases for	
					01-04-043-5322	209.25
					Total :	248.81
73062	3/7/2022	02053	ANALYTICAL LABORATORIES, INC.	TESTING	LABORATORY ANALYSIS TESTIN	
	YTD Amount:	2,970.00				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73062	3/7/2022	02053	ANALYTICAL LABORATORIES, INC.	(Continued)		
				80983	LABORATORY ANALYSIS TESTIN	
					02-10-200-5305	1,437.00
					Total :	1,437.00
73063	3/7/2022	15971	APS	SEE LIST	FILTERS \$106.56~	
	YTD Amount:	12,985.70		80768	FILTERS \$106.56~	
					01-14-186-5304	788.73
					Total :	788.73
73064	3/7/2022	16417	AQUA	WATER	TRANSFER STATION	
	YTD Amount:	245.71			TRANSFER STATION	
					14-12-103-5305	209.47
					Total :	209.47
73065	3/7/2022	05824	AQUA PENNSYLVANIA	WATER	TRANSFER STATION	
	YTD Amount:	218.79			TRANSFER STATION	
					14-12-103-5305	108.68
					Total :	108.68
73066	3/7/2022	05829	AQUA PENNSYLVANIA	WATER	TRANSFER STATION	
	YTD Amount:	2,131.91			TRANSFER STATION	
					14-12-103-5305	247.85
					Total :	247.85
73067	3/7/2022	05836	AQUA PENNSYLVANIA	WATER	TRANSFER STATION	
	YTD Amount:	443.76				

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73067	3/7/2022	05836	AQUA PENNSYLVANIA	(Continued)	TRANSFER STATION 14-12-103-5305	221.88 <b>221.88</b>
73068	3/7/2022	05840	AQUA PENNSYLVANIA	WATER	NS KIMBALL NS KIMBALL 02-10-203-5311	56.44 <b>56.44</b>
73069	3/7/2022	00309	ARDEX LABORATORIES, INC.	2359149-IN	CAR & TRUCK CLEANING SUPP	
	YTD Amount:	377.31		80720	CAR & TRUCK CLEANING SUPP 01-14-186-5310	377.31 <b>377.31</b>
73070	3/7/2022	10093	ARDMORE TIRE COMPANY	78515	REFUSE TRUCK TIRE	
	YTD Amount:	8,943.90		80762	REFUSE TRUCK TIRE 01-14-186-5304	213.75 <b>213.75</b>
73071	3/7/2022	01294	BEE BERGVALL & CO., INC.	33412	SUBSCRIPTION FOR FRAUD REI	
	YTD Amount:	8,129.00			SUBSCRIPTION FOR FRAUD REI 01-05-010-5205	129.00 <b>129.00</b>
73072	3/7/2022	00825	BERGEY'S INC.	SEE REMIT	RADIATOR HOSES FOR #216 \$15	
	YTD Amount:	18,761.22				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73072	3/7/2022	00825 BERGEY'S INC.	(Continued)			
				80775	RADIATOR HOSES FOR #216 \$15	
					01-14-186-5304	3,410.51
			SEE REMIT		LOADER FLAT REPAIR \$272.44	
				80764	LOADER FLAT REPAIR \$272.44	
					01-14-186-5304	1,466.87
					<b>Total :</b>	<b>4,877.38</b>
73073	3/7/2022	15749 BERLA	22 JOB 0207		CERTIFICATION TRAINING/EXAM	
	YTD Amount: 200.00			80955	certification training/exam det Beag	
					01-04-053-5305	200.00
					<b>Total :</b>	<b>200.00</b>
73074	3/7/2022	00707 BILLOWS ELECTRIC SUPPLY INC	5615628-00 01		BOARDROOM RENOVATIONS	
	YTD Amount: 4,150.37			80875	Boardroom renovations	
					07-01-500-7551	1,127.08
			563512-01		EMERGENCY EXIT LIGHTS	
				80727	Emergency exit lights	
					01-24-157-5317	138.09
			5635122-00		EMERGENCY LIGHTS, VARIOUS	
				80725	Emergency lights, various locations	
					01-24-157-5323	681.37
					<b>Total :</b>	<b>1,946.54</b>
73075	3/7/2022	08346 BLUMENTHAL, JAY W	MONTHLY COM		511 taxes Commission	
	YTD Amount: 23,930.06				511 taxes Commission	
					01-02-021-5305	14,798.38

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73075	3/7/2022	08346	BLUMENTHAL, JAY W	(Continued)	Total :	14,798.38
73076	3/7/2022	15464	BODE CELLMARK FORENSICS	20794	BODEHITS ANNUAL FEE	
		YTD Amount: 10,000.00				
				80997	BodeHits annual fee	
					06-04-104-5305	10,000.00
					Total :	10,000.00
73077	3/7/2022	05717	CALEA	5433	REGISTRATION FOR LT. FINK FC	
		YTD Amount: 1,615.00				
				80981	registration for Lt. Fink for Calea	
					01-04-056-5234	115.00
					Total :	115.00
73078	3/7/2022	12432	CINTAS	JANUARY	JANUARY V.M. UNIFORMS	
		YTD Amount: 1,066.47				
				80749	JANUARY V.M. UNIFORMS	
					01-14-180-5316	302.15
					Total :	302.15
73079	3/7/2022	13773	COLLIFLOWER, INC.	SEE REMIT	HYDRAULIC COUPLERS FOR #14	
		YTD Amount: 5,231.80				
				80770	HYDRAULIC COUPLERS FOR #14	
					01-14-186-5304	1,928.39
				80771	HYDRAULIC FITTINGS / HOSE \$4	
					01-14-186-5304	1,427.30
					Total :	3,355.69
73080	3/7/2022	13415	COMCAST	FEBRUARY	8499 10 138 0274354	
		YTD Amount: 71.76				
					HIGHWAY PUBLIC WORKS	
					01-13-130-5305	35.88

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73080	3/7/2022	13415	COMCAST	(Continued)	Total :	35.88
73081	3/7/2022	14883	COMCAST	MARCH	FAX LINES FOR TOWNSHIP BUII	
		YTD Amount: 1,411.68			MODEM FOR TOWNSHIP BUILDII	
					01-01-005-5305	471.21
					Total :	471.21
73082	3/7/2022	14979	COMCAST	FEBRUARY	INTERNET SERVICE FOR TRAINI	
		YTD Amount: 6,841.28			PUBLIC WORKS, TRAINING CEN	
					01-01-002-5307	3,420.64
					Total :	3,420.64
73083	3/7/2022	15371	COMCAST	FEBRUARY	PHONE SERVICE FOR CRESTMC	
		YTD Amount: 138.70			PHONE SERVICE FOR CRESTMC	
					01-24-153-5307	67.88
					Total :	67.88
73084	3/7/2022	16690	COMCAST	FEBRUARY	COMCAST	
		YTD Amount: 3,609.28			INTERNET FOR WWTP	
					02-10-200-5305	1,804.64
					Total :	1,804.64
73085	3/7/2022	05441	COMCAST CABLE	MARCH	FAX LINES FOR TOWNSHIP BUII	
		YTD Amount: 77.52			MODEM FOR TOWNSHIP BUILDII	
					01-01-005-5305	26.91
					Total :	26.91

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73086	3/7/2022	05860	COMCAST CABLE		ARDSLEY COMMUNITY CENTER	
	YTD Amount:	643.98				
				80620	ARDSLEY COMMUNITY CENTER	
					01-24-152-5305	224.01
					Total :	224.01
73087	3/7/2022	03261	CONROY'S CLEANING INC		CLEANING SERVICE~	
	YTD Amount:	4,305.00				
				80883	CLEANING SERVICE~	
					01-24-150-5305	45.00
			JANUARY		CLEANING SERVICE	
				80877	CLEANING SERVICE	
					01-01-030-5305	1,290.00
					Total :	1,335.00
73088	3/7/2022	08628	CONTRACT & COMMERCIAL INC., STAPL 3497985093		PENS FOR P.W. DEPT.	
	YTD Amount:	3,648.65				
				80750	PENS FOR P.W. DEPT.	
					01-13-130-5300	29.49
			3498588205 349		MICROSOFT WIRELESS DISPLAY	
				80640	MICROSOFT WIRELESS DISPLAY	
					01-07-110-5300	49.95
				80640	BROTHER P-TOUCH LABEL MAK	
					01-07-110-5300	133.99
				80640	POST-IT NOTE PADS (12 PACK)	
					01-07-110-5300	13.14
			3499487872		CODE DIVISION OFFICE SUPPLII	
				80829	CODE DIVISION OFFICE SUPPLII	
					01-06-081-5300	56.76
					Total :	283.33

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73089	3/7/2022	15405	DE LAGE LANDEN FINANCIAL	FEBRUARY	COPIER FOR WWTP	
		YTD Amount: 429.00			COPER FOR WWTP	
					02-28-207-5213	143.00
					Total :	143.00
73090	3/7/2022	03137	DEL-VAL INTERNATIONAL TRUCKS	13263691	BELTS & TENSIONER FOR #103/	
		YTD Amount: 6,763.88			belts & tensioner for #103/ 111/112	
				80767	01-14-186-5304	969.64
					Total :	969.64
73091	3/7/2022	13979	ELITE ELEVATOR SERVICES, LLC	18973	ANNUAL ELEVATOR SERVICE CC	
		YTD Amount: 3,504.00			ANNUAL ELEVATOR SERVICE CC	
				80905	01-24-157-5305	3,504.00
					Total :	3,504.00
73092	3/7/2022	11012	F.A.S.P.	10-001834	FIREMEN'S ASSOCIATION OF TH	
		YTD Amount: 28.00			Firemen's Association of the State of	
				80991	01-15-057-5301	8.00
				30-00004	FIREMEN'S ASSOCIATION OF TH	
				80990	Firemen's Association of the State of	
					01-15-092-5301	20.00
					Total :	28.00
73093	3/7/2022	11851	FBINAA	47026	RENEWAL FEES FOR CHIEF MOI	
		YTD Amount: 125.00			Renewal fees for Chief Molloy	
				80988	01-04-040-5301	125.00

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73093	3/7/2022	11851	FBINAA	(Continued)	Total :	125.00
73094	3/7/2022	08830	FERGUSON ENTERPRISES LLC	7287924	POLICE RESTROOM REPAIRS	
	YTD Amount:	1,332.94				
				80880	POLICE RESTROOM REPAIRS	
					01-01-030-5317	38.60
				7352110734527	PLUMBING SUPPLIES FOR MENS	
				80753	plumbing supplies for mens rest ro	
					07-13-575-7585	120.13
				80753	fittings for water supply	
					07-13-575-7585	121.21
					Total :	279.94
73095	3/7/2022	00970	FIDELIO INSURANCE CO.	MARCH	MONTHLY DENTAL INSURANCE I	
	YTD Amount:	30,847.98				
					DENTAL INSURANCE PREMIUM	
					01-00-000-2459	10,109.85
					COBRA/COMMISSIONERS DENT,	
					01-28-012-5111	235.65
					Total :	10,345.50
73096	3/7/2022	16764	GASTEC	1165493	PROPANE SERVICE FOR THE AT	
	YTD Amount:	558.56				
				80826	Propane service for the ATFD Fire	
					01-15-064-5305	287.86
				1167846	PROPANE SERVICE FOR THE AT	
				80989	Propane service for the ATFD Fire	
					01-15-064-5305	270.70
					Total :	558.56

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73097	3/7/2022	00512	GEPPERT INC., WILLIAM A		PAINT & MISC. SUPPLIES FOR M	
		YTD Amount: 5,557.09				
				80752	PAINT & MISC. SUPPLIES FOR M	
			G13856		07-13-575-7585	41.94
				80882	HARDWARE FOR SIGNS	
					Hardware for signs	
					01-24-157-5323	29.78
					Total :	71.72
73098	3/7/2022	00516	GERHARD'S INC		TV / WALL MOUNT FOR ENGINE	
		YTD Amount: 428.99				
				80560	TV / WALL MOUNT FOR ENGINE	
					01-07-110-5300	428.99
					Total :	428.99
73099	3/7/2022	01069	GLENSIDE LAWN & GARDEN, INC.		SNOW BLOWER PARTS	
		YTD Amount: 1,840.24				
				80766	SNOW BLOWER PARTS	
					01-14-186-5304	8.96
			66450		LEAF PUSHER FOR MOWERS	
				80795	Leaf pusher for mowers	
					01-24-158-5322	809.00
			66613		SNOW BLOWER REPAIR	
				80908	Snow blower repair	
					01-24-158-5322	6.51
					Total :	824.47
73100	3/7/2022	16870	GRACIE GLOBAL LLC		GST - TELFORD, PA - 6/20-24/202	
		YTD Amount: 3,980.00				
			GG 09228			
				80999	GST - Telford, PA - 6/20-24/2022~	
					01-04-056-5234	3,980.00

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73100	3/7/2022	16870	GRACIE GLOBAL LLC	(Continued)	Total :	3,980.00
73101	3/7/2022	01110	GRAINGER, INC.	844325373	2 - LIFTING EYE BOLT {M30 X 3.5	
	YTD Amount: 1,333.95			80947	2 - LIFTING EYE BOLT {M30 x 3.5	
			9198516636	80680	02-10-203-5322 BATTERIES FOR LOCATOR, FOR BATTERIES FOR LOCATOR, FOR	87.36
					03-13-146-5304	190.89
					Total :	278.25
73102	3/7/2022	00243	GROVE SUPPLY INC.	S5548987.001	FILTER FOR HEATER @ TRANSF	
	YTD Amount: 3,981.39			80807	FILTER FOR HEATER @ TRANSF	
					14-12-103-5304	7.54
					Total :	7.54
73103	3/7/2022	16861	HECHT, CAROL	REFUND	REFUND CLASS	
	YTD Amount: 75.00				REFUND CLASS	
					01-00-000-4427	75.00
					Total :	75.00
73104	3/7/2022	00851	HOME DEPOT CREDIT SERVICES	6015861	MAIL BOX REPAIR @ 2823 RUBI	
	YTD Amount: 4,204.39			80815	MAIL BOX REPAIR @ 2823 RUBI	
			9015384	80798	14-12-100-5322 ELECTRICAL TAPE AND SCREWDRIVER	7.44
					Electrical tape and screwdriver set	
					01-24-157-5323	13.94



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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73104	3/7/2022	00851 HOME DEPOT CREDIT SERVICES	(Continued) see attached	80754	SINKS, COUNTERS, PLUMBING & SINKS, COUNTERS, PLUMBING & 07-13-575-7585	1,331.28 <b>Total : 1,352.66</b>
73105	3/7/2022	10824 INTERSTATE BATTERY SYSTEM	181129898	80760	BATTERY FOR #29-13 BATTERY FOR #29-13 01-14-186-5304	139.95 <b>Total : 139.95</b>
73106	3/7/2022	10249 ITSAVVY LLC	01325169 01327	80709	NEW LAPTOP, WARRANTY AND , New laptop, warranty and accesorie	
		YTD Amount: 1,896.25		80806	01-01-005-5322 ACCIDENT RECONTRUSTION CC Accident Recontrustion Computer f	2,922.48
				80922	01-04-048-5323 OEM MEMORY FOR DESKTOP C OEM memory for desktop compute	2,418.54
				80925	01-01-005-5322 SPARE ZOOM LAPTOP FOR MEE Additional lenovo zoom laptop for	287.08
				80923	07-01-500-7554 2 REPLACEMENT HP DESKTOPS 2 Replacement HP desktops and a	720.72
					01-01-005-5322	2,237.76 <b>Total : 8,586.58</b>

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73107	3/7/2022	03119	JOHN KENNEDY FORD JENKINTOWN	SEE REMITTAN	TRANSMISSION MOUNT \$89.65~	
		YTD Amount: 5,743.88				
				80763	TRANSMISSION MOUNT \$89.65~	
					01-14-186-5304	471.81
					Total :	471.81
73108	3/7/2022	16428	KUTZTOWN UNIVERSITY	CAREER FAIR	CAREER FAIR 3/31/22	
		YTD Amount: 85.00				
				80958	Career Fair 3/31/22	
					01-04-043-5305	85.00
					Total :	85.00
73109	3/7/2022	16431	LEAF	MARCH	COPIER FOR MAILROOM	
		YTD Amount: 627.00				
					COPIER IN MAILROOM	
					01-30-011-5213	209.00
					Total :	209.00
73110	3/7/2022	16818	LEGAL & LIABILITY RISK MGMT	222706	WEBINAR FOR OFC. MARRERO	
		YTD Amount: 275.00				
				80891	Webinar for Ofc. Marrero -	
					01-04-056-5234	150.00
					Total :	150.00
73111	3/7/2022	12761	LITTLE, INC, ROBERT E.	04-896036	GEAR SHIFT LEVER FOR GATOR	
		YTD Amount: 579.74				
				80769	GEAR SHIFT LEVER FOR GATOR	
					01-14-186-5304	17.65
					Total :	17.65
73112	3/7/2022	15798	LIZZI CUSTOM GRAPHICS LLC.	AT2202	LETTERING FOR TRUCK#114	
		YTD Amount: 1,220.00				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73112	3/7/2022	15798	LIZZI CUSTOM GRAPHICS LLC.	(Continued)		
				80757	LETTERING FOR TRUCK#114	
					01-14-186-5304	490.00
					Total :	490.00
73113	3/7/2022	05516	LOWE'S BUSINESS ACCOUNT	01815	GROUT FOR MENS ROOM	
	YTD Amount: 1,171.03			80729	GROUT FOR MENS ROOM	
					07-13-575-7585	34.14
					Total :	34.14
73114	3/7/2022	09136	MASON CO., INC., W.B.	227574000	HIGHLIGHTERS, TAPE DISPENSE	
	YTD Amount: 4,143.02			80890	highlighters, tape dispenser, staple	
					01-04-043-5300	156.65
					Total :	156.65
73115	3/7/2022	01200	McMAHON ASSOCIATES, INC.	182424	EASTON ROAD	
	YTD Amount: 6,052.47				Easton Road	
					07-13-575-7578	1,159.31
				182797	GRNWDD/ALBTHRPE	
					Grnwdd/Albthrpe	
					07-13-575-7578	975.00
					Total :	2,134.31
73116	3/7/2022	08600	MILITIA HILL SECURITY, INC	20220367	CELL BLOCK PANIC ALARM MAN	
	YTD Amount: 180.00			80962	Service Panic Alarm in cell block	
					01-04-043-5330	180.00
					Total :	180.00

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73117	3/7/2022	11845	MOYER INDOOR/OUTDOOR	JAN/FEB	EXTERMINATING	
		YTD Amount: 1,392.02			ADMINISTRATION/POLICE	
					01-01-030-5305	46.64
					TRAINING CENTER	
					01-04-062-5317	118.72
					PUBLIC WORKS	
					01-13-130-5305	118.72
					ARDSLEY COMMUNITY CENTER	
					01-24-152-5305	110.24
					BRIAR BUSH NATURE CENTER	
					01-24-155-5305	80.56
					431 HOUSTON ROAD	
					01-24-157-5305	67.84
					WWTP	
					02-10-200-5305	119.78
					REFUSE	
					14-12-100-5305	97.52
					Total :	760.02
73118	3/7/2022	01034	NAPA AUTO PARTS	SEE LIST	AUTOMOTIVE BULBS \$33.63~	
		YTD Amount: 1,660.40				
				80761	AUTOMOTIVE BULBS \$33.63~	
					01-14-186-5304	230.92
					Total :	230.92
73119	3/7/2022	01104	OF TOWNSHIP COMMISSIONERS, MONT DUES		YEARLY ASSOCIATION DUES	
		YTD Amount: 350.00			YEARLY ASSOCIATION DUES	
					01-01-001-5301	350.00

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73119	3/7/2022	01104	OF TOWNSHIP COMMISSIONERS, MONT (Continued)		Total :	350.00
73120	3/7/2022	13804	PA RURAL WATER	67069	TREATMENT PLANT OPERATOR	
	YTD Amount:	505.00				
				80952	TREATMENT PLANT OPERATOR	
					02-10-200-5234	140.00
					Total :	140.00
73121	3/7/2022	03683	PARK AUTO REPAIR INC.	48837	ALIGNMENT EMISSION TEST#29	
	YTD Amount:	4,133.84				
				80759	ALIGNMENT EMISSION TEST#29	
					01-14-186-5304	89.95
					Total :	89.95
73122	3/7/2022	16425	PECO	JANUARY	ELECTRIC FOR TRANSFER STAT	
	YTD Amount:	2,530.62				
					ELECTRIC FOR TRANSFER STAT	
					14-12-103-5308	31.56
					Total :	31.56
73123	3/7/2022	01889	PECO ENERGY	TRAFFIC LIGHT	TRAFFIC LIGHT ACCOUNT-DIST	
	YTD Amount:	1,394.89				
					TRAFFIC LIGHT ACCOUNT-DIST	
					03-13-146-5308	1,386.42
					Total :	1,386.42
73124	3/7/2022	01890	PECO ENERGY	JANUARY	STREET LIGHT ACCOUNT-DISTR	
	YTD Amount:	64,378.12				
					STREET LIGHT ACCOUNT-DISTR	
					03-13-146-5308	31,663.37
					Total :	31,663.37

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73125	3/7/2022	01339	PENNSYLVANIA MUNICIPAL LEAGUE		DUES	
		YTD Amount:	750.00			
					dues	
					01-01-002-5301	750.00
					Total :	750.00
73126	3/7/2022	07100	PHILA OCCHEALTH	03528398-00	NEW HIRE TESTING FOR ROBEF	
		YTD Amount:	452.40			
				80903	new hire testing for Roberts	
					01-04-040-5319	226.20
					Total :	226.20
73127	3/7/2022	04121	PORTNOFF LAW ASSOC., LTD.	30-00-42556-00	COLLECTION OF DELIQUENT SE	
		YTD Amount:	4,627.25			
					COLLECTION OF DELIQUENT SE	
					01-00-000-2510	31.00
				30-00-48996-00	COLLECTION OF DELIQUENT SE	
					COLLECTION OF DELIQUENT SE	
					01-00-000-2510	828.00
				30-00-57924-00	COLLECTION OF DELIQUENT SE	
					COLLECTION OF DELIQUENT SE	
					01-00-000-2510	3,768.25
					Total :	4,627.25
73128	3/7/2022	14691	PROCESSING CENTER/SUMMARY BILL, JANUARY		SUMMARY BILLING ACCT #3019C	
		YTD Amount:	50,018.15			



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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73128	3/7/2022	14691	PROCESSING CENTER/SUMMARY BILL, (Continued)		ELECTRIC FOR TOWNSHIP ACCI	
					01-01-030-5308	4,914.91
					ELECTRIC FOR FIRE TRAINING C	
					01-15-064-5308	69.93
					ELECTRIC FOR POLICE TRAININ	
					01-04-062-5308	2,007.48
					ELECTRIC FOR HIGHWAY	
					01-13-130-5308	4,231.87
					184.49ELECTRIC FOR REFUSE	
					14-12-100-5308	124.74
					ELECTRIC FOR ARDSLEY COMM	
					01-24-152-5308	4,982.27
					ELECTRIC FOR CRESTMONT PC	
					01-24-153-5308	249.86
					ELECTRIC FOR PENBRYN POOL	
					01-24-154-5308	73.36
					ELECTRIC FOR BRIAR BUSH NA	
					01-24-155-5308	903.00
					ELECTRIC FOR PARKS FACILITIE	
					01-24-157-5308	9,528.14
					Total :	27,085.56
73129	3/7/2022	14648	QUAKERTOWN VETERINARY CLINIC	1300855 130577	INVOICE 1308172 - MOOSE 2/22/	
			YTD Amount: 2,360.73			
				80996	Invoice 1308172 - Moose 2/22/22 s	
					01-04-049-5305	1,351.47
				80996	Invoices 1300855 and 1305775 - B	
					01-04-049-5305	1,009.26

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73129	3/7/2022	14648	QUAKERTOWN VETERINARY CLINIC	(Continued)		Total : 2,360.73
73130	3/7/2022	03321	RECORDER OF DEEDS, MONTGOMERY	lien filing	LIEN FILING	
	YTD Amount:	10.00			lien filing	
					17-00-000-5201	10.00
					Total :	10.00
73131	3/7/2022	14395	ROSLYN FIRE COMPANY	INSURANCE	INSURANCE REIMBURSEMENT -	
	YTD Amount:	7,754.25				
				80860	INSURANCE REIMBURSEMENT -	
					01-15-091-5216	7,754.25
					Total :	7,754.25
73132	3/7/2022	13523	RUBBER SUPPLY CO., INC.	11008419-01	1" PIRANHA 2500 PSI HOSE FOR	
	YTD Amount:	2,412.00				
				80848	1" PIRANHA 2500 PSI HOSE FOR	
					02-10-205-5320	2,412.00
					Total :	2,412.00
73133	3/7/2022	00701	SECURITY ON LINE SYSTEMS INC	87884	ADMINISTRATIVE OFFICES RENOV	
	YTD Amount:	1,498.50				
				80874	Administrative Offices Renovations	
					07-01-500-7551	422.50
					Total :	422.50
73134	3/7/2022	04607	SHAPIRO FIRE PROTECTION CO	15820	PORTABLE FIRE EXTINGUISHER	
	YTD Amount:	205.78				
				80758	PORTABLE FIRE EXTINGUISHER	
					01-14-186-5304	205.78
					Total :	205.78

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73135	3/7/2022	15374	SHERATON HARRISBURG, HERSHEY HC LODGING		LODGING - PLEAC CONFERENCE	
		YTD Amount: 226.44		80468	Lodging - PLEAC Conference - Her	
					01-04-056-5234	226.44
					Total :	226.44
73136	3/7/2022	01882	SHERWIN WILLIAMS CO.	1829-5	POLICE ADMINISTRATION OFFIC	
		YTD Amount: 3,141.54		80886	Police Administration Offices	
					07-01-500-7551	166.69
			2433.-4	80801	MANAGER'S OFFICE RENOVATIC	
					Manager's office renovations	
					07-01-500-7551	242.51
			2635-4	80802	POLICE LOCKER ROOMS PAINT	
					Police Locker rooms paint	
					01-01-030-5317	627.32
			5619-9	80887	POLICE ADMINISTRATION OFFIC	
					Police Administration Offices	
					07-01-500-7551	428.77
					Total :	1,465.29
73137	3/7/2022	06102	SPOK	JAN/FEB	MONTHLY PAGING SERVICES	
		YTD Amount: 108.57			Parks paging services	
					01-24-150-5307	33.72
					Wastewater paging services	
					02-10-200-5307	38.58
					Total :	72.30
73138	3/7/2022	14928	SUNRUN INSTALLATION SERVICES, VIVI REFUND		PERMIT REFUND	
		YTD Amount: 424.00				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73138	3/7/2022	14928	SUNRUN INSTALLATION SERVICES, VIVI (Continued)		PERMIT REFUND	
					01-00-000-4430	415.00
					PERMIT REFUND	
					12-00-000-2510	9.00
					Total :	424.00
73139	3/7/2022	05748	SYNAGRO TECHNOLOGIES INC	30 Abb100	BIOSOLIDS DISPOSAL PER BID	
	YTD Amount:	19,310.24		80946	BIOSOLIDS DISPOSAL PER BID	
					02-10-200-5305	6,434.70
					Total :	6,434.70
73140	3/7/2022	15540	THE HOME DEPOT PRO	666556519	JANITORIAL SUPPLIES FOR TOV	
	YTD Amount:	3,911.00		80881	JANITORIAL SUPPLIES FOR TOV	
					01-01-030-5318	970.70
					Total :	970.70
73141	3/7/2022	09614	THINK GREEN DESIGN, LLC	546	LANDSCAPE ARCHITECTURAL S	
	YTD Amount:	13,862.00		81042	Landscape Architectural Services for	
					06-24-191-5305	13,862.00
					Total :	13,862.00
73142	3/7/2022	00906	TRI AIR TESTING INC	148997	BREATHING AIR QUALITY TESTING	
	YTD Amount:	827.00		80743	breathing air quality testing kits for	
					01-15-091-5304	827.00
					Total :	827.00

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73143	3/7/2022	10015	USDA, APHIS WS		GOOSE MANAGEMENT	
		YTD Amount: 1,875.27				
				80797	Goose management	
					01-24-157-5305	621.86
					Total :	621.86
73144	3/7/2022	01028	VAN'S LOCK SHOP, INC		DUPLICATE KEYS	
		YTD Amount: 587.34				
				80799	Duplicate keys	
					01-24-157-5305	63.50
			0000123836		KEYS FOR ACEC	
				80804	KEYS FOR ACEC	
					01-24-152-5305	8.80
				80805	Transfer station key	
					01-01-030-5317	18.50
			0000124228		DUPLICATE KEYS	
				80884	Duplicate Keys~	
					01-24-150-5305	62.70
					Total :	153.50
73145	3/7/2022	00112	VERIZON	MARCH	TELEPHONE BILLINGS~	
		YTD Amount: 779.92				
					TELEPHONE BILLINGS~	
					03-13-146-5304	36.11
					TELEPHONE BILLINGS pump stat	
					02-10-203-5307	86.02
					TELEPHONE BILLINGS-FERNWC	
					02-10-200-5307	40.13
					Total :	162.26

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73146	3/7/2022	04072	VERIZON		MONTHLY CONDUIT RENTAL	
	YTD Amount:	210.33			MONTHLY CONDUIT RENTAL	
					01-01-002-5307	70.11
					Total :	70.11
73147	3/7/2022	13436	VERIZON		ALVERTHORPE MANOR PHONE-	
	YTD Amount:	62.82			February	
				80546	01-24-150-5307	31.41
					Total :	31.41
73148	3/7/2022	14496	VERIZON		ATFD INTERNET	
	YTD Amount:	449.94			INTERNET SERVICE FOR FIRE D	
					01-15-064-5302	149.98
					Total :	149.98
73149	3/7/2022	08425	VERIZON WIRELESS		WWTP PUMP STATIONS	
	YTD Amount:	252.72			WWTP PUMP STATIONS - METE	
					02-10-203-5307	84.24
					Total :	84.24
73150	3/7/2022	07500	VILE, SUSAN ELIZABETH		TRANSCRIPTION/EDITING OF MI	
	YTD Amount:	2,226.25			Transcription/Editing of minutes	
				02/17/2022	01-01-002-5305	191.25
				02/25/2022	TRANSCRIPTION/EDITING OF MI	
					Transcription/Editing of minutes for	
					01-01-002-5305	180.00



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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73150	3/7/2022	07500	VILE, SUSAN ELIZABETH	(Continued)	Total :	371.25
73151	3/7/2022	14844	WISTEX II LLC	907726	2 - ELECTRICAL SOFT STARTER:	
		YTD Amount: 3,401.15				
				80784	2 - ELECTRICAL SOFT STARTER:	
				80784	06-10-226-7040 FREIGHT	3,349.50
					06-10-226-7040	51.65
					Total :	3,401.15
73152	3/7/2022	00998	WITMER PUBLIC SAFETY GROUP INC	2178630217	NEW HIRE UNIFORM BADGES AI	
		YTD Amount: 4,038.99				
				80998	New Hire Uniform Badges and Hat	
					01-04-044-5316	747.30
					Total :	747.30
73153	3/7/2022	11732	WITMER PUBLIC SAFETY GROUP INC	2182282.005	NEW HIRE MICHALE GUIDERA	
		YTD Amount: 2,466.73				
					New Hire Michale Guidera	
					01-04-044-5316	150.15
					Total :	150.15
96 Vouchers for bank code : ap2						Bank total : 203,604.17
96 Vouchers in this report						Total vouchers : 203,604.17

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73154	3/11/2022	01306	ABINGTON TWP PUBLIC LIBRARY	APPROPRIATE	LIBRARY APPROPRIATION	
		YTD Amount: 37,822.48			LIBRARY APPROPRIATION	
					01-23-072-5334	3,891.93
					Total :	3,891.93
73155	3/11/2022	02961	ACKER'S HARDWARE, INC.	2202-151331	GATE REPAIR	
		YTD Amount: 168.26				
				81005	Gate repair	
					01-24-157-5323	8.80
			2202-151355		FLAGGING TAPE AND DE-ICER	
				81006	Flagging tape and de-icer	
					01-24-157-5323	8.79
			2202-152115		CONCRETE MIX FOR BALL FIELD	
				81020	Concrete mix for ball fields	
					01-24-158-5323	77.88
			2202-152291		CONCRETE AND CABLE TIES FO	
				81021	Concrete and cable ties for ball fiel	
					01-24-158-5323	72.79
					Total :	168.26
73156	3/11/2022	15969	AMAZON	1dr4g6kf77py	TWO 25 FT. PHONE CORDS	
		YTD Amount: 5,282.14				
				81041	Two 25 ft. phone cords for cell bloc	
					01-04-043-5330	12.98
					Total :	12.98
73157	3/11/2022	16873	AT&T	416584 416410	AT&T PHONE RECORDS FOR 22-	
		YTD Amount: 350.00				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73157	3/11/2022	16873	AT&T	(Continued)		
				81031	AT&T phone records for 22-003856	
					01-04-053-5340	350.00
					Total :	350.00
73158	3/11/2022	16298	ATS SPRING	13308	REAR SPRINGS FOR TRUCK#20'	
	YTD Amount:	1,353.67				
				81040	REAR SPRINGS FOR TRUCK#20'	
					01-14-186-5304	1,353.67
					Total :	1,353.67
73159	3/11/2022	08427	B & H PHOTO - VIDEO	1999663406	SYNOLOGY RACK 32TB NAS - EV	
	YTD Amount:	1,530.26				
				81002	Synology Rack 32TB NAS - Eviden	
					01-04-053-5322	1,319.95
					Total :	1,319.95
73160	3/11/2022	15149	BAINBRIDGE, PATRICIA	FEBRUARY	REIMBURSE RETIREES INSURAI	
	YTD Amount:	180.62				
					REIMBURSE RETIREES INSURAI	
					05-01-029-5102	90.31
					Total :	90.31
73161	3/11/2022	01294	BEE BERGVALL & CO., INC.	33593	PROGRESS BILLING FOR FEBRU	
	YTD Amount:	13,129.00				
					Progress billing for February 28,202	
					01-05-010-5205	5,000.00
					Total :	5,000.00
73162	3/11/2022	07170	BERKHEIMER TAX ADMINISTRATOR	February	EIT Commission	
	YTD Amount:	26,785.08				

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73162	3/11/2022	07170	BERKHEIMER TAX ADMINISTRATOR	(Continued)	EIT Commission	
					01-02-021-5305	19,604.94
					Total :	19,604.94
73163	3/11/2022	00707	BILLOWS ELECTRIC SUPPLY INC	5638042-00	EMERGENCY EXIT LIGHTS~	
	YTD Amount:	4,350.54				
				80796	Emergency exit lights~	
					01-24-157-5317	100.69
				5645330-00	REPAIRS AT BAEDERWOOD PAR	
				81007	Repairs at Baederwood Park	
					01-24-157-5323	99.48
					Total :	200.17
73164	3/11/2022	08363	CODE INSPECTIONS INC	250	BSC SERVICE-FEBRUARY 2022	
	YTD Amount:	1,300.00				
				81083	BCO SERVICES-FEBRUARY 2022	
					01-06-084-5305	260.00
					Total :	260.00
73165	3/11/2022	15235	COMCAST	MARCH	INTERNET FOR CRESTMONT CL	
	YTD Amount:	346.05				
					INTERNET FOR CRSTMONT CLU	
					01-24-153-5305	115.35
					Total :	115.35
73166	3/11/2022	07316	COMCAST CABLE	MARCH	CABLE SERVICE CRESTMONT P	
	YTD Amount:	353.05				
				80619	CABLE SERVICE CRESTMONT P	
					01-24-153-5305	124.85
					Total :	124.85

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73167	3/11/2022	07317	COMCAST CABLE		CABLE SERVICE PENBRYN POO	
	YTD Amount:	353.05				
				80621	CABLE SERVICE PENBRYN POO	
					01-24-154-5305	124.85
					Total :	124.85
73168	3/11/2022	08543	COMCAST CABLE		SURVEILLANCE CAMERA REFUS	
	YTD Amount:	256.78				
					SURVEILLANCE CAMERA REFUS	
					14-12-103-5305	128.39
					Total :	128.39
73169	3/11/2022	15313	COMCAST CABLE		INTERNET FOR SPECIAL VIDEO .	
	YTD Amount:	144.40				
					TWP SPC VIDEO ACCOUNT	
					01-01-030-5305	44.80
					Total :	44.80
73170	3/11/2022	08628	CONTRACT & COMMERCIAL INC., STAPL	3499954931	CHAIR FOR BULLOCK, PENS, TA	
	YTD Amount:	4,404.44				
				80755	chair for bullock, pens, tabs and	
					01-04-058-5322	319.00
				80755	chair for bullock, pens, tabs and	
					01-04-053-5300	18.16
			3500466022		PTOUCH LABELS, OFFICEJET PF	
				80940	Ptouch labels, Officejet Pro 8620 in	
					01-15-092-5323	166.86
			350066009		OFFICE MATERIALS AND SUPPLI	
				80872	Office Materials and Supplies.	
					01-15-057-5323	143.95

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73170	3/11/2022	08628	CONTRACT & COMMERCIAL INC., STAPL (Continued) 3501037320	80956	SUPPLIES FOR FINANCE OFFICE BANKER'S BOXES FOR FINANCE	
				80956	01-05-010-5300 YELLOW COPY PAPER FOR FINA	27.72
				80956	01-05-010-5300 CUBBY BINS FOR FINANCE OFFI	26.04
			3501037326	80872	01-05-010-5300 OFFICE MATERIALS AND SUPPLI Office Materials and Supplies.	24.98
					01-15-057-5323	29.08
					Total :	755.79
73171	3/11/2022	04594	D.V.H.T.	MARCH	MONTHLY HEALTH INSURANCE I	
			YTD Amount: 997,799.49		Non-Police retirees	
					05-01-029-5111 Active employees	23,879.56
					01-00-000-2455 Cobra	318,369.45
					01-28-012-5111 Rate stabilization credit	2,645.36
					01-00-000-2520 Police retirees	-36,743.66
					05-01-028-5111	28,032.31
					Total :	336,183.02
73172	3/11/2022	07121	D.V.H.T.	MARCH	MONTHLY DENTAL INSURANCE I	
			YTD Amount: 43,082.03			

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73172	3/11/2022	07121 D.V.H.T.	(Continued)		MONTHLY DENTAL INSURANCE I	
					01-00-000-2459	14,201.25
					COBRA & COMMISSIONERS DE	
					01-28-012-5111	359.93
					Total :	14,561.18
73173	3/11/2022	14374 D.V.H.T.	MARCH		PRESCRIPTION PLAN	
		YTD Amount: 464,157.46			PRESCRIPTION PLAN	
					01-00-000-2458	146,531.34
					PRESCRIPTION PLAN	
					05-01-028-5111	9,985.32
					PRESCRIPTION PLAN	
					01-28-012-5111	1,063.10
					Total :	157,579.76
73174	3/11/2022	16574 DE LAGE LANDEN	MARCH		COPIER FOR PARKS AND REC	
		YTD Amount: 447.00			Copier for Parks & Rec office	
					01-30-011-5213	149.00
					Total :	149.00
73175	3/11/2022	11945 DE TREUX, WALT	01-20-0015-272		ARBITRATOR FOR PER DIEM EM	
		YTD Amount: 3,025.00			ARBITRATOR FOR PER DIEM EM	
					01-01-003-5201	3,025.00
					Total :	3,025.00
73176	3/11/2022	13766 DOORCHECK, INC, JAMES	745137		FINANCE OFFICE RENOVATIONS	
		YTD Amount: 579.59				

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73176	3/11/2022	13766	DOORCHECK, INC, JAMES (Continued)	81008	FINANCE OFFICE RENOVATIONS 07-01-500-7551	106.67 <b>Total : 106.67</b>
73177	3/11/2022 YTD Amount: 3,500.00	12516	EFORCE COMPLIANCE	20548	EVENT FEE - COLLECTION EVEN EVENT FEE - COLLECTION EVEN 14-12-103-5305	3,500.00 <b>Total : 3,500.00</b>
73178	3/11/2022 YTD Amount: 3,561.98	00978	ELY ASSOCIATES, INC., GEORGE	E 40415 81003	REPAIRS TO PLAYGROUND EQU Repairs to playground equipment 01-24-157-5323	3,561.98 <b>Total : 3,561.98</b>
73179	3/11/2022 YTD Amount: 5,801.44	01100	EUREKA STONE QUARRY, INC.	468116 81073	STORM PIPE AREA REPAIR~ STORM PIPE AREA REPAIR~ 06-07-303-5323	2,238.43 <b>Total : 2,238.43</b>
73180	3/11/2022 YTD Amount: 165.63	00419	FEDERAL EXPRESS	5-403-55311	OVERNIGHT MAILINGS OVERNIGHT MAILINGS 01-01-002-5306	84.63 <b>Total : 84.63</b>
73181	3/11/2022 YTD Amount: 130.00	01004	FISHER & SON CO., INC.	0000232100-IN	LANDSCAPE SEMINAR 2022~	

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73181	3/11/2022	01004	FISHER & SON CO., INC.	(Continued)		
				80612	Landscape Seminar 2022~	
					01-24-150-5301	130.00
					Total :	130.00
73182	3/11/2022	10828	FLEETS CARPET	11325	ADMINISTRATIVE OFFICES REN	
	YTD Amount:	9,148.10		81010	ADMINISTRATIVE OFFICES REN	
				11326	07-01-500-7551	3,654.50
				81011	ADMINISTRATIVE OFFICES REN	
					07-01-500-7551	600.00
					Total :	4,254.50
73183	3/11/2022	14425	FRANKFORD, CECILIA	MARCH	REIMBURSE RETIREES INSURAN	
	YTD Amount:	541.86			REIMBURSE RETIREES INSURAN	
					05-01-029-5102	180.62
					Total :	180.62
73184	3/11/2022	00541	HIBBERT'S INC	024116	ENGRAVED NAME PLATE FOR ZI	
	YTD Amount:	1,001.95		81081	"STEVEN KLINE" NAME PLATE FC	
					01-06-081-5300	15.00
					Total :	15.00
73185	3/11/2022	10249	ITSAVVY LLC	01328626 01328	REPLACEMENT SURFACE LAPTOP	
	YTD Amount:	37,262.20		80895	Replacement Surface Laptop and	
					01-01-005-5322	2,868.39

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73185	3/11/2022	10249 ITSÄVVY LLC	(Continued) 01329503	81012	REPLACE WEBCAM IN RADIO RC 2x Adresso CyberTrack Webcam	
			01329864 2498	80706	01-04-055-5304 REPLACEMENT MONITORS Replacement monitors	91.92
					01-01-005-5322	946.79
					Total :	3,907.10
73186	3/11/2022	12348 J.P. MASCARO & SONS	000000652		SINGLE STREAM AND CO MINGL	
	YTD Amount:	14,900.40			SINGLE STREAM AND CO MINGL	
					14-12-103-5305	4,860.82
					Total :	4,860.82
73187	3/11/2022	00920 KIRKLAND PRINTING, INC	48589 48613		2500 TOW RECEIPTS~	
	YTD Amount:	1,738.00		80387	2500 Tow receipts~	
					01-04-055-5303	1,738.00
					Total :	1,738.00
73188	3/11/2022	08725 KNOX, DOUGLAS	CDL LICENSE		CDL LICENSE	
	YTD Amount:	72.00			CDL LICENSE	
					14-12-103-5305	72.00
					Total :	72.00
73189	3/11/2022	16479 KUHLS LAW	1281		ZHB	
	YTD Amount:	19,617.50			ZHB	
					01-06-087-5305	9,642.50

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73189	3/11/2022	16479	KUHLS LAW	(Continued)	Total :	9,642.50
73190	3/11/2022	00859	LAWN & GOLF SUPPLY CO., INC.	59111	REPAIRS TO BALLFIELD RAKE	
	YTD Amount:	1,428.00				
				80929	Repairs to ballfield rake	
					01-24-158-5322	1,428.00
					Total :	1,428.00
73191	3/11/2022	15731	LEAF	MARCH	COPIER FOR DETECTIVES	
	YTD Amount:	399.00			COPIER FOR DETECTIVES	
					01-30-011-5213	133.00
					Total :	133.00
73192	3/11/2022	16480	LEAF	MARCH	COPIER FOR CODE & BBNC	
	YTD Amount:	417.00			COPIER FOR CODE & BBNC	
					01-30-011-5213	139.00
					Total :	139.00
73193	3/11/2022	16575	LEAF	MARCH	COPIER FOR POLICE ADMINISTF	
	YTD Amount:	408.00			Poice Administration	
					01-30-011-5213	136.00
					Total :	136.00
73194	3/11/2022	16684	LEAF	MARCH	COPIER FOR POLICE RECORDS	
	YTD Amount:	342.00			COPIER FOR POLICE RECORDS	
					01-30-011-5213	114.00
					Total :	114.00

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73195	3/11/2022	06010 MacFARLAND, JAMES	MARCH		REIMBURSE RETIREES INSURAN	
	YTD Amount:	722.48			REIMBURSE RETIREES INSURAN	
					05-01-029-5102	180.62
					Total :	180.62
73196	3/11/2022	07062 MANJARDI, MARK	02/18/2022		MINUTES ZONING HEARING BO/	
	YTD Amount:	1,640.00			MINUTES ZONING HEARING BO/	
					01-06-081-5305	1,000.00
					Total :	1,000.00
73197	3/11/2022	08257 MCDONALD UNIFORMS	202793 795 780		NEW HIRE UNIFORM ORDER - O	
	YTD Amount:	50,821.39				
				80416	New Hire Uniform Order - Ofc Mich	
					01-04-044-5316	3,968.66
			202808 775 811		NEW HIRE UNIFORM ORDER - O	
				80415	New Hire Uniform Order - Ofc Mich	
					01-04-044-5316	3,968.66
			204839		6 HONOR GUARD BELTS, 6 BELT	
				80841	6 honor guard belts, 6 belt flag	
					01-04-044-5316	606.50
					Total :	8,543.82
73198	3/11/2022	01200 McMAHON ASSOCIATES, INC.	182434		TWP LINE HOLME PED CROSSIN	
	YTD Amount:	6,785.97			TWP LINE HOLME PED CROSSIN	
					06-07-303-5305	733.50
					Total :	733.50



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73199	3/11/2022	09393	MCMMASTER-CARR	73137447 7311E	PARTITIONS FOR TOILETS IN ME	
	YTD Amount:	2,036.64				
				80873	PARTITIONS FOR TOILETS IN ME	
					07-13-575-7585	2,036.64
					Total :	2,036.64
73200	3/11/2022	12341	MEADOWBROOK APARTMENTS C/O, LIN t0011386***		PUMP STATION-MEADOWBROOK	
	YTD Amount:	746.55				
					PUMP STATION-MEADOWBROOK	
					02-10-203-5308	746.55
					Total :	746.55
73201	3/11/2022	03690	METRO ELEVATOR CO., INC.	113757	MONTHLY MAINTENANCE CONT	
	YTD Amount:	303.84				
				81009	Monthly Maintenance Contract	
					01-01-030-5305	90.62
					Total :	90.62
73202	3/11/2022	12454	MICROSOFT	MARCH	OFFICE 365 MARCH 2022 INVOIC	
	YTD Amount:	7,127.81				
				81057	Office 365 march 2022 invoices	
					01-01-005-5305	2,379.30
					Total :	2,379.30
73203	3/11/2022	15196	MURPHY, JACK	MARCH	RETIREEES INSURANCE REIMBUI	
	YTD Amount:	541.86				
					RETIREEES INSURANCE REIMBUI	
					05-01-029-5102	180.62
					Total :	180.62
73204	3/11/2022	14925	PAYMENT PROCESSING, PECO	FEBRUARY	GAS FOR ROUND HOUSE AT CRI	
	YTD Amount:	515.79				

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73204	3/11/2022	14925	PAYMENT PROCESSING, PECO	(Continued)	GAS SUPPLY FOR ROUND HOU: 01-24-157-5308	162.81
					Total :	162.81
73205	3/11/2022	01889	PECO ENERGY	TRAFFIC LIGHT	TRAFFIC LIGHT ACCOUNT-DIST	
	YTD Amount:	4,284.44			TRAFFIC LIGHT ACCOUNT-DIST	
					03-13-146-5308	2,889.55
					Total :	2,889.55
73206	3/11/2022	01890	PECO ENERGY	FEBRUARY	STREET LIGHT ACCOUNT-DISTR	
	YTD Amount:	95,088.58			STREET LIGHT ACCOUNT-DISTR	
					03-13-146-5308	30,710.46
					Total :	30,710.46
73207	3/11/2022	13301	PFM ASSET MANAGEMENT LLC	13107068	INVESTMENT ADVISORY SERVIC	
	YTD Amount:	601.49			INVESTMENT ADVISORY SERVIC	
					05-01-028-5305	24.95
					INVESTMENT ADVISORY SERVIC	
					05-01-029-5305	24.94
					Total :	49.89
73208	3/11/2022	13043	QUENCH USA INC.	INVO3830171	PLANT DRINKING WATER SERVI	
	YTD Amount:	217.80		81015	PLANT DRINKING WATER SERVI	
					02-10-200-5305	217.80
					Total :	217.80

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73209	3/11/2022	12991	READY REFRESH	FEBRUARY	ALVERTHORPE PARK	
	YTD Amount:	11.94			ALVERTHORPE PARK	
					01-24-157-5311	3.98
					Total :	3.98
73210	3/11/2022	12994	READY REFRESH	FEBRUARY	POLICE DEPARTMENT	
	YTD Amount:	702.17			POLICE DEPARTMENT	
					01-04-040-5340	143.39
					Total :	143.39
73211	3/11/2022	12995	READY REFRESH	JANUARY & FEB	ADMINISTRATION BUILDING	
	YTD Amount:	109.05			ADMINISTRATOIN BUILDING	
					01-01-030-5311	99.10
					Total :	99.10
73212	3/11/2022	01784	ROMAN, PHILLIP A.	JAN TO MARCH	RETIREEES INSURANCE REIMBURSEMENT	
	YTD Amount:	541.86			RETIREEES REIMBURSEMENT	
					05-01-029-5102	541.86
					Total :	541.86
73213	3/11/2022	11298	S2VERIFY, LLC	5328	INVOICE 5328 - BACKGROUND CHECK	
	YTD Amount:	25.00			Invoice 5328 - background check for	
				81027	01-04-040-5319	25.00
					Total :	25.00
73214	3/11/2022	00053	SAXON OFFICE TECHNOLOGY, INC.	001496	SAXON MONTHLY INVOICE MARCH	
	YTD Amount:	3,614.13				

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73214	3/11/2022	00053	SAXON OFFICE TECHNOLOGY, INC.	(Continued)		
				81056	Saxon monthly invoice march 2022	
					01-01-005-5305	752.00
					Total :	752.00
73215	3/11/2022	07191	SHADES OF GREEN, INC.	25798	TREE REMOVAL~	
		YTD Amount: 15,600.00				
				80985	Tree Removal~	
					07-24-800-7619	3,400.00
			25804		TREE REMOVAL~	
				80986	Tree Removal~	
					07-24-800-7619	2,400.00
					Total :	5,800.00
73216	3/11/2022	01882	SHERWIN WILLIAMS CO.	5819-5	POLICE STATION PAINT	
		YTD Amount: 3,327.64				
				81025	POLICE STATION PAINT	
					01-01-030-5317	186.10
					Total :	186.10
73217	3/11/2022	01012	SPAHR-EVANS PRINTERS	32483 32471	NEW BUSINESS CARDS FOR DA	
		YTD Amount: 176.00				
				80715	new business cards for DaCunha, (	
					01-04-055-5303	176.00
					Total :	176.00
73218	3/11/2022	12730	STATE WORKER'S INS. FUND	4 OF 11	SWIF PAYMENT	
		YTD Amount: 9,512.00				
					SWIF PAYMENT	
					01-15-091-5215	3,364.00
					Total :	3,364.00

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73219	3/11/2022	16565	SUPPLY COMPANY, ACTION INDUSTRIAL 4048233		MICHAEL MCCORD	
	YTD Amount:	12,507.76			Michael Mccord	
					14-12-101-5316	134.06
					Total :	134.06
73220	3/11/2022	08592	TOBAY PRINTING CO., INC.	33488	PRINTING OF SPRING AND SUMI	
	YTD Amount:	11,344.00			Printing of Spring and Summer	
				80557	01-24-150-5303	11,344.00
					Total :	11,344.00
73221	3/11/2022	10627	TRAFFIC PLANNING & DESIGN INC	TPD28220	HOLLYWOOD TAVERN	
	YTD Amount:	9,557.21			HOLLYWOOD TAVERN	
					07-00-000-2451	990.00
					Total :	990.00
73222	3/11/2022	07500	VILE, SUSAN ELIZABETH	03/02/2022	TRANSCRIPTION/EDITING OF MI	
	YTD Amount:	2,440.00			Transcription/Editing of minutes for	
					01-01-002-5305	135.00
				03/04/2022	TRANSCRIPTION/EDITING OF MI	
					Transcription/Editing of minutes VP	
					01-01-002-5305	78.75
					Total :	213.75
73223	3/11/2022	13383	WIN-911N SOFTWARE	220xt212 20225:	ALARM SOFTWARE FOR SCADA	
	YTD Amount:	660.00			ALARM SOFTWARE FOR SCADA	
				81014	02-10-200-5305	660.00

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73223	3/11/2022	13383	WIN-911N SOFTWARE	(Continued)	Total :	660.00
73224	3/11/2022	16779	WITT O'BRIEN'S, LLC	507-001339	PROFESSIONAL SERVICES	
	YTD Amount:	406.00			professional services	
					06-01-226-5319	406.00
					Total :	406.00
73225	3/11/2022	11940	XYLEM WATERING SOLUTIONS, INC.	401147401 4011	MONTHLY RENTAL OF DIESEL PI	
	YTD Amount:	83,637.72				
				81016	MONTHLY RENTAL OF DIESEL PI	
					06-10-226-7040	8,881.20
				81017	MONTHLY RENTAL OF BACKUP E	
					06-10-226-7040	7,624.24
					Total :	16,505.44
72 Vouchers for bank code : ap2						Bank total : 672,553.31
72 Vouchers in this report						Total vouchers : 672,553.31

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73226	3/17/2022	00004	ABINGTON AUTO CARE	60437	TOWING CHARGES FOR FEBRU.	
		YTD Amount: 520.00				
				81070	TOWING CHARGES FOR FEBRU.	
					01-14-186-5304	55.00
					Total :	55.00
73227	3/17/2022	16880	ABRO BUILDERS INC	REFUND	REFUND MERCANTILE TAX	
		YTD Amount: 364.00			REFUND MERCANTILE TAX	
					01-00-000-4312	364.00
					Total :	364.00
73228	3/17/2022	16884	ACTIVE911	393469	FREED -	
		YTD Amount: 234.00				
				81124	18 licenses for SMS alerting system	
					01-04-043-5323	234.00
					Total :	234.00
73229	3/17/2022	16691	ADVANCED WELDING, FABRICATING SEI 1568 1569		TAILGATE REPAIR #118 \$500.00~	
		YTD Amount: 3,475.00				
				81052	TAILGATE REPAIR #118 \$500.00~	
					01-14-186-5304	2,125.00
					Total :	2,125.00
73230	3/17/2022	12572	AIRGAS USA, LLC	9986339296	FEBRUARY CYLINDER RENTAL	
		YTD Amount: 964.37				
				81048	FEBRUARY CYLINDER RENTAL	
					01-14-186-5304	223.60
					Total :	223.60



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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73231	3/17/2022	16063 ALLIED HYDRAULIC SERVICE	32898		HYDRAULIC PUMP REBUILD FOR	
		YTD Amount: 4,882.39		81047	HYDRAULIC PUMP REBUILD FOR	
					01-14-186-5304	1,097.39
					Total :	1,097.39
73232	3/17/2022	16888 ARCADIA UNIVERSITY	pool rental		RENTAL OF THE LENOX POOL FOR	
		YTD Amount: 2,690.00			Rental of the lenox pool for lifeguard	
					01-24-156-5331	2,690.00
					Total :	2,690.00
73233	3/17/2022	10093 ARDMORE TIRE COMPANY	79892 79888		REFUSE TRUCK TIRES \$855.00~	
		YTD Amount: 10,358.90		81063	REFUSE TRUCK TIRES \$855.00~	
					01-14-186-5304	1,415.00
					Total :	1,415.00
73234	3/17/2022	00321 ARTISTIC SCREEN DESIGNS	22-1244		UNIFORMS FOR K9 TRAININGS	
		YTD Amount: 2,246.50		81114	Uniforms for K9 trainings	
					01-04-049-5323	513.50
					Total :	513.50
73235	3/17/2022	13763 ATC GROUP SERVICES, LLC	2408064		BOY SCOUT RESERVE STREAMING	
		YTD Amount: 6,479.02			BOY SCOUT RESERVE STREAMING	
					07-07-566-7551	6,479.02
					Total :	6,479.02
73236	3/17/2022	05273 BELSON OUTDOORS INC.	198752		STEEL BENCH @ HARTE & OLD Y	
		YTD Amount: 2,630.55				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73236	3/17/2022	05273	BELSON OUTDOORS INC.	(Continued)		
				81087	STEEL BENCH @HARTE & OLD Y	
					01-13-131-5323	2,630.55
					Total :	2,630.55
73237	3/17/2022	00707	BILLOWS ELECTRIC SUPPLY INC	5649953-00	POLICE ADMINISTRATION OFFIC	
	YTD Amount:	5,302.54				
				81097	Police Administration Offices	
					07-01-500-7551	952.00
					Total :	952.00
73238	3/17/2022	13182	BOSTON MUTUAL LIFE INSURANCE	MARCH	MONTHLY LIFE AND DISABILITY I	
	YTD Amount:	41,792.72				
					MONTHLY LIFE AND DISABILITY I	
					01-00-000-2460	4,844.58
					MONTHLY LIFE AND DISABILITY I	
					01-00-000-2461	5,994.56
					MONTHLY LIFE AND DISABILITY I	
					01-00-000-2250	2,879.67
					MONTHLY LIFE AND DISABILITY I	
					05-01-029-5215	356.72
					Total :	14,075.53
73239	3/17/2022	00187	BRYNER CHEVROLET INC.	972089 969438	BRAKE BOOSTER FOR #130 \$280	
	YTD Amount:	1,333.54				
				81061	BRAKE BOOSTER FOR #130 \$280	
					01-14-186-5304	244.21
					Total :	244.21
73240	3/17/2022	10610	BURGER KING #3284	MEALS	PRISONER MEALS - FEBRUARY :	
	YTD Amount:	376.63				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73240	3/17/2022	10610	BÜRGER KING #3284 (Continued)	81122	Prisoner Meals - February 2022 01-04-043-5330	167.80
Total :						167.80
73241	3/17/2022	16878	BURRELL, JOANNE C	REFUND	REFUND BUSINESS PRIVILEGE	
YTD Amount: 178.00					Refund business privledge 01-00-000-4312	178.00
Total :						178.00
73242	3/17/2022	14688	CARDMEMBER SERVICE	4798510063319	SOFTWARE	
YTD Amount: 21,907.22						

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73242	3/17/2022	14688	43 004 50 CARDMEMBER SERVICE	(Continued)	SOFTWARE	
					01-01-005-5322 ZOOM	28.53
					01-01-005-5305 CELLULAR DATA	301.95
					01-04-053-5305 EZ PASS	10.00
					01-04-043-5340 PELRAS	24.80
					01-04-056-5234 PELRAS	635.00
					01-01-002-5301 PHONE TWP ADMIN	340.00
					01-01-002-5307 PHONE PW	397.78
					01-13-130-5305 PHONE TECHNOLOGY	496.01
					01-01-005-5322 PHONE LIBRARY	640.16
					01-23-072-5334 PHONE POLICE	88.44
					01-04-040-5307 PHONE POLICE COP	2,018.93
					01-04-060-5323 PHONE PHONE TSU	33.16
					01-04-048-5323	42.28

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73242	3/17/2022	14688	12 664 50 CARDMEMBER SERVICE		(Continued)	
					PHONE FIRE MARSHAL	
					01-15-057-5307 PHONE EMAP	246.71
					01-04-057-5323 PHONE FIRE ACCREDITDATION	248.90
					01-15-063-5307 PHONE WWTP	-16.17
					02-10-200-5307 PHONE ENGINEERING	749.77
					01-07-110-5305 PHONE REFUSE	84.44
					14-12-100-5307 PHONE PARKS	168.88
					01-24-150-5307 PHONE COST CTR	168.88
					01-04-043-5323 PHONE SELF PAY	160.04
					01-00-000-2155 TOLL VIOLATION	1,276.15
					01-04-043-5340	98.00
					Total :	8,242.64
73243	3/17/2022	16790	CHEMETRICS, INC	221709	PHOSPHOROUS TESTING SOLU	
			YTD Amount: 86.50			
				81037	PHOSPHOROUS TESTING SOLU	
					02-10-200-5335	86.50
					Total :	86.50

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73244	3/17/2022	11673	CHÊMUNG SUPPLY CORP	014819	U-CHANNEL POSTS FOR SIGN C	
		YTD Amount: 3,597.50				
				80825	U-CHANNEL POSTS FOR SIGN C	
					03-13-143-5325	3,597.50
					Total :	3,597.50
73245	3/17/2022	12500	CLEAN MACHINE CARWASH	CAR WASHES	CAR WASHES FROM 2/1/22 TO	
		YTD Amount: 533.50				
				81046	car washes from 2/1/22 to 2/20/22	
					01-14-186-5304	126.50
					Total :	126.50
73246	3/17/2022	16718	COLONIAL OIL INDUSTRIES, INC.	575724 (LESS C	6000 GALLONS OF GAS FOR P.V	
		YTD Amount: 153,476.17				
				80638	6000 GALLONS OF GAS FOR P.V	
					01-14-186-5310	392.82
				575730	5000 GALLONS OF DIESEL FUEL	
				80662	5000 GALLONS OF DIESEL FUEL	
					01-14-186-5310	14,260.50
				583987	6000 GALLONS OF GAS FOR POI	
				80772	6000 GALLONS OF GAS FOR POI	
					01-14-186-5310	15,652.92
				588073	6000 GALLONS OF DIESEL FUEL	
				80849	6000 GALLONS OF DIESEL FUEL	
					01-14-186-5310	17,997.60
					Total :	48,303.84
73247	3/17/2022	13612	COMCAST	FEBRUARY	CABLE FOR VIDEO ARRAINGMEI	
		YTD Amount: 40.47				
					CABLE FOR VIDEO ARRAINGMEI	
					01-04-040-5307	21.00

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73247	3/17/2022	13612	COMCAST		(Continued)	<b>Total : 21.00</b>
73248	3/17/2022	14978	COMCAST		MARCH	TELEPHONE CHARGES FOR PUI
		YTD Amount: 221.50			PHONE SERVICE	
					01-13-130-5305	73.89
					<b>Total :</b>	<b>73.89</b>
73249	3/17/2022	10783	COMCAST CABLE		MARCH	PHONE SERVICE FOR NEW PUB
		YTD Amount: 325.05			SERVICE FOR NEW PUBLIC WOI	
					01-13-130-5305	108.35
					<b>Total :</b>	<b>108.35</b>
73250	3/17/2022	03261	CONROY'S CLEANING INC		MARCH	CLEANING SERVICE - FEBRUAR'
		YTD Amount: 4,985.00				
				81104	CLEANING SERVICE - February 2'	
					01-04-062-5317	680.00
					<b>Total :</b>	<b>680.00</b>
73251	3/17/2022	08628	CONTRACT & COMMERCIAL INC., STAPL see attached			PENS, ENVELOPE, FILES, FLASH
		YTD Amount: 4,995.78				
				80599	pens, envelope, files, flash drives,	
					01-04-053-5300	524.45
				80599	pens, envelope, files, flash drives,	
					01-04-055-5322	66.89
					<b>Total :</b>	<b>591.34</b>
73252	3/17/2022	16879	CRC ADVERTISING OF PENNSYLVANI	REFUND		REFUND BUSINESS PRIVILEGE
		YTD Amount: 3,443.00				
					Refund business privledge	
					01-00-000-4312	3,443.00

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73252	3/17/2022	16879	CRC ADVERTISING OF PENNSYLVANI	(Continued)	Total :	3,443.00
73253	3/17/2022	07484	EAGLE TRUCK EQUIPMENT	21701 21702	LIGHTING MODULE FOR #218 \$1	
		YTD Amount: 4,103.77				
				81051	LIGHTING MODULE FOR #218 \$1	
					01-14-186-5304	1,923.99
					Total :	1,923.99
73254	3/17/2022	13608	FISHER ACE HARDWARE	9859 9886	ROUND SHOVEL, CHISEL, AWL &	
		YTD Amount: 464.24				
				81033	ROUND SHOVEL, CHISEL, AWL &	
					02-10-205-5322	63.84
					Total :	63.84
73255	3/17/2022	13361	GATSO GROUP, SENSYS	2019-2606	OCTOBER 2020 10 CAMERAS	
		YTD Amount: 126,000.00				
					October 2020 10 Cameras	
					01-00-000-1310	42,000.00
			2019-2552		SEPTEMBER 2020 10 CAMERAS	
					September 2020 10 Cameras	
					01-00-000-1310	42,000.00
					Total :	84,000.00
73256	3/17/2022	00512	GEPPERT INC., WILLIAM A	12402	BATTERIES/ PROPANE CYLINDE	
		YTD Amount: 5,737.82				
				80823	BATTERIES/ PROPANE CYLINDE	
					03-13-143-5325	26.35
			13863 13947 13		SUPPLY PURCHASES FOR FIXIN	
				80830	SUPPLY PURCHASES FOR FIXIN	
					07-13-575-7585	154.38
					Total :	180.73

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73257	3/17/2022	01069	66948		LEAF PICKUP ATTACHMENT FOR	
		YTD Amount: 2,590.24				
				81079	Leaf pickup attachment for mower	
					01-24-158-5322	750.00
					Total :	750.00
73258	3/17/2022	00576	1145977-01		PACKER PARTS FOR #207	
		YTD Amount: 2,988.64				
				80972	packer parts for #207	
					01-14-186-5304	1,604.11
					Total :	1,604.11
73259	3/17/2022	15681			REFUND BUSINESS PRIVILEGE	
		YTD Amount: 62.00				
					Refund business privledge	
					01-00-000-4312	62.00
					Total :	62.00
73260	3/17/2022	16881	REFUND		REFUND BUSINESS PRIVILEGE	
		YTD Amount: 287.00				
					Refund business privledge	
					01-00-000-4312	287.00
					Total :	287.00
73261	3/17/2022	00851	1612412		MARBLE CHIPS/ BEVELED MIRROR	
		YTD Amount: 4,338.43				
				80934	MARBLE CHIPS/ BEVELED MIRROR	
					07-13-575-7585	63.68
			6100971		GRAFFITI REMOVER FOR SIGN (	
				80821	GRAFFITI REMOVER FOR SIGN (	
					03-13-143-5325	70.36

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73261	3/17/2022	00851	HOME DEPOT CREDIT SERVICES	(Continued)	Total :	134.04
73262	3/17/2022	16857	INSIGHT PUBLIC SECTOR	1100917896	EXTERNAL 12TB HARD DRIVES I	
	YTD Amount:	617.38		80894	External 12TB hard drives for offsite	
					07-01-500-7553	617.38
					Total :	617.38
73263	3/17/2022	10824	INTERSTATE BATTERY SYSTEM	121635658	PILCE VEHICLE BATTERIES	
	YTD Amount:	2,476.00		81069	PILCE VEHICLE BATTERIES	
					01-14-186-5304	339.85
			181130237	80969	POLICE CAR BATTERIES	
					POLICE CAR BATTERIES	
					01-14-186-5304	239.90
					Total :	579.75
73264	3/17/2022	12833	JNA MATERIALS, LLC	19196	9.75 TONS OF COLDPATCH FOR	
	YTD Amount:	1,299.19		80730	9.75 TONS OF COLDPATCH FOR	
					01-13-131-5323	1,299.19
					Total :	1,299.19
73265	3/17/2022	03119	JOHN KENNEDY FORD JENKINTOWN	SEE LIST	SHEILD FOR #29-24 \$13.53~	
	YTD Amount:	6,731.86		81068	SHEILD FOR #29-24 \$13.53~	
					01-14-186-5304	987.98
					Total :	987.98
73266	3/17/2022	12868	KELLER, INC., CHARLES G.	110-22	EMERGENCY GENERATOR REN	
	YTD Amount:	2,800.00				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73266	3/17/2022	12868	KELLER, INC., CHARLES G.	(Continued)		
				81036	EMERGENCY GENERATOR REN	
					02-10-203-5329	1,400.00
					Total :	1,400.00
73267	3/17/2022	06012	KENNEDY CULVERT & SUPPLY CO	500759	FILTER FABRIC FOR DRAINAGE ,	
	YTD Amount:	675.00		80936	FILTER FABRIC FOR DRAINAGE ,	
					01-13-131-5323	675.00
					Total :	675.00
73268	3/17/2022	16894	KLAIMAN, TAMAR	POOL REFUND	Refund pool membership	
	YTD Amount:	75.00			Refund pool membership	
					01-00-000-4426	75.00
					Total :	75.00
73269	3/17/2022	15798	LIZZI CUSTOM GRAPHICS LLC.	AT2203	LETTERING FOR #29-54	
	YTD Amount:	1,768.00		81064	LETTERING FOR #29-54	
					01-14-186-5304	548.00
					Total :	548.00
73270	3/17/2022	16872	LLB GROUP LLC	REFUND	REFUND BUSINESS PRIVILEGE	
	YTD Amount:	999.00			Refund business privledge and	
					01-00-000-4312	999.00
					Total :	999.00
73271	3/17/2022	15122	LLOYD, STEPHEN	REFUND LST	LST REFUND	
	YTD Amount:	49.00				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73271	3/17/2022	15122	LLOYD, STEPHEN	(Continued)	LST refund	
					01-00-000-4312	49.00
					Total :	49.00
73272	3/17/2022	00898	MEENANS TRANS SERVICE INC, JOHN	23386	TRANSFER CASE REPLACEMEN	
	YTD Amount:	14,565.80				
				81050	TRANSFER CASE REPLACEMEN	
					01-14-186-5304	3,380.93
					Total :	3,380.93
73273	3/17/2022	16882	MORICONI, DMD, E STEVEN	REFUND	REFUND BUSINESS PRIVILEGE	
	YTD Amount:	200.00			Refund business privledge	
					01-00-000-4312	200.00
					Total :	200.00
73274	3/17/2022	08278	MSC INDUSTRIAL SUPPLY COMPANY	35284664 3123	MARKING PAINT FOR SIGN CREI	
	YTD Amount:	276.66				
				80933	MARKING PAINT FOR SIGN CREI	
					03-13-143-5325	243.36
					Total :	243.36
73275	3/17/2022	01034	NAPA AUTO PARTS	SEE LIST	ATV, OIL, UV ENGINE DYE, FILTE	
	YTD Amount:	1,689.37				
				81039	ATV, OIL, UV ENGINE DYE, FILTE	
					02-10-200-5304	28.97
					Total :	28.97
73276	3/17/2022	16875	NAZARA AUTO SALES INC	REFUND	REFUND MERCANTILE TAX	
	YTD Amount:	531.00				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73276	3/17/2022	16875	NAZARA AUTO SALES INC	(Continued)	REFUND MERCANTILE TAX	
					01-00-000-4312	531.00
					Total :	531.00
73277	3/17/2022	06294	NEW CONCEPTS ONLINE INC	9119	ANNUAL RENEWAL FEE FOR WE	
	YTD Amount:	450.00		81030	Annual renewal fee for webhosting	
					01-15-064-5302	360.00
					Total :	360.00
73278	3/17/2022	16900	OF HUD, U.S. DEPARTMENT	Account #86011	GRANT # B-15-MC-42-0001	
	YTD Amount:	590.86			Grant # B-15-MC-42-0001	
					01-01-002-5340	590.86
					Total :	590.86
73279	3/17/2022	15191	PA TURNPIKE TOLL BY PLATE	114936228-1	TOLLS FOR TURNPIKE TO TRAN	
	YTD Amount:	238.00		80788	TOLLS FOR TURNPIKE TO TRAN	
					02-10-203-5304	29.90
				115649921-1 11:	TOLL FEES	
				81092	TOLL FEES	
					01-13-131-5323	16.30
					Total :	46.20
73280	3/17/2022	03683	PARK AUTO REPAIR INC.	48438	POLICE VEHICLE EMISSION TES	
	YTD Amount:	4,463.84		80853	POLICE VEHICLE EMISSION TES	
					01-14-186-5304	330.00
					Total :	330.00

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73281	3/17/2022	05858	PPC LUBRICANTS	1997479	400 GALLONS OF DEF	
		YTD Amount: 2,062.75				
				80968	400 GALLONS OF DEF	
					01-14-186-5310	1,064.00
					Total :	1,064.00
73282	3/17/2022	00709	PRECISION TIME SYSTEMS, INC.	85369	TIME CARDS FOR REFUSE , VEH	
		YTD Amount: 170.00				
				81038	TIME CARDS FOR REFUSE , VEH	
					01-13-131-5323	170.00
					Total :	170.00
73283	3/17/2022	15900	QUADIENT , INC	59145686	MAINTENANCE FOR POSTAGE M	
		YTD Amount: 1,035.00				
					maintenance for postage machine	
					01-01-002-5306	1,035.00
					Total :	1,035.00
73284	3/17/2022	12990	READY REFRESH	FEBRUARY	ALVERTHORPE MANOR	
		YTD Amount: 22.67				
					ALVERTHORPE MANOR	
					01-24-157-5311	18.69
					Total :	18.69
73285	3/17/2022	01309	REIT LUBRICANTS CO.	1169999	ATF / GREASE / 5W20 OIL / 5W30	
		YTD Amount: 5,071.58				
				81072	ATF / GREASE / 5W20 OIL / 5W30	
					01-14-186-5310	2,505.70
					Total :	2,505.70
73286	3/17/2022	16762	RVT NOBLE TOWN CENTER LLC	REFUND	REFUND BUSINESS PRIVILEGE	
		YTD Amount: 4,830.00				



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73286	3/17/2022	16762	RVT NOBLE TOWN CENTER LLC (Continued)		Refund business privledge 01-00-000-4312	4,830.00 <b>Total : 4,830.00</b>
73287	3/17/2022 YTD Amount: 69.00	16877	RYDAL PROJECT LLC REFUND		Refund business privledge and 01-00-000-4312	69.00 <b>Total : 69.00</b>
73288	3/17/2022 YTD Amount: 19,600.00	07191	SHADES OF GREEN, INC. 25810	80984	TREE REMOVAL~ Tree Removal~ 07-24-800-7619	4,000.00 <b>Total : 4,000.00</b>
73289	3/17/2022 YTD Amount: 3,553.19	01882	SHERWIN WILLIAMS CO. 2773-3 2737-8	80937	CLEANING SUPPLIES & PAINT FC CLEANING SUPPLIES & PAINT FC 07-13-575-7585	225.55 <b>Total : 225.55</b>
73290	3/17/2022 YTD Amount: 5,806.00	01552	SIGNAL CONTROL PRODUCTS, INC. 20220248	80595	2 - 3 SECTION OVERHHEAD SIGI 2 - 3 SECTION OVERHHEAD SIGI 03-13-146-5304	3,567.00
			20220249	80558	1 12" POLY 4 SECTION HEAD,EM 1 12" POLY 4 SECTION HEAD,EM 03-13-146-5304	2,239.00 <b>Total : 5,806.00</b>

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73291	3/17/2022	16895	STONEHOUSE REMODELING		PERMIT REFUND	
	YTD Amount:	29.50			permit refund	
					01-00-000-4330	25.00
					permit refund	
					12-00-000-2510	4.50
					Total :	29.50
73292	3/17/2022	03797	STUCKERT PLUMBING, INC., BRYAN	22199-40259	BACKFLOW TESTING FOR TRAN	
	YTD Amount:	450.00				
				81099	BACKFLOW TESTING FOR TRAN	
					14-12-103-5304	300.00
					Total :	300.00
73293	3/17/2022	08178	SWANA		MEMBERSHIP DUES 3/1/22 - 2/28	
	YTD Amount:	526.00				
				81088	MEMBERSHIP DUES 3/1/22 - 2/28	
					14-12-100-5301	526.00
					Total :	526.00
73294	3/17/2022	15153	TIREHUB, LLC	25667996	POLICE VEHICLE TIRES	
	YTD Amount:	2,652.04				
				81067	POLICE VEHICLE TIRES	
					01-14-186-5304	880.00
					Total :	880.00
73295	3/17/2022	08425	VERIZON WIRELESS	February	WWTP PUMP STATIONS	
	YTD Amount:	421.20			WWTP PUMP STATIONS - METEI	
					02-10-203-5307	168.48
					Total :	168.48

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73296	3/17/2022	16871 WEIN, KERRY	REFUND		REFUND BUSINESS PRIVILEGE	
	YTD Amount:	11.00			Refund business privledge	
					01-00-000-4312	11.00
					Total :	11.00
73297	3/17/2022	01032 WEINSTEIN SUPPLY CORP.	s02847367-001		SUPPLIES FOR UPGRADING MEI	
	YTD Amount:	459.23				
				81089	SUPPLIES FOR UPGRADING MEI	
					07-13-575-7585	361.59
					Total :	361.59
73298	3/17/2022	01045 WINDER, J.B.	REFUND		REFUND MERCANTILE TAX	
	YTD Amount:	54.00			REFUND MERCANTILE TAX	
					01-00-000-4312	54.00
					Total :	54.00
73299	3/17/2022	05142 WINTER EQUIP.CO.,INC	ivs51360		CURB GUARDS FOR SNOW PLO	
	YTD Amount:	1,476.86				
				80717	CURB GUARDS FOR SNOW PLO	
					03-13-148-5322	1,476.86
					Total :	1,476.86
74 Vouchers for bank code : ap2						Bank total : 224,197.86
74 Vouchers in this report						Total vouchers : 224,197.86

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73300	3/21/2022	02975	APPLIED MICRO SYSTEMS, LTD.	MARCH	MONTHLY SOFTWARE CONTRA	
		YTD Amount: 459.90			MONTHLY SOFTWARE CONTRA	
					01-01-005-5305	153.30
					Total :	153.30
73301	3/21/2022	02776	ARCHIE, JOHN	MARCH	REIMBURSE MEDICARE	
		YTD Amount: 1,046.26			MEDICARE PREMIUM	
					05-01-028-5101	177.30
					Total :	177.30
73302	3/21/2022	10406	ARCHIE, MARGARET	MARCH	REIMBURSE MEDICARE	
		YTD Amount: 510.30			REIMBURSE MEDICARE	
					05-01-028-5101	170.10
					Total :	170.10
73303	3/21/2022	08345	BLUMENTHAL, JAY W	MARCH	COLLECTION REFUSE & SEWEF	
		YTD Amount: 3,000.00			COLLECTION REFUSE & SEWEF	
					01-02-020-5305	1,000.00
					Total :	1,000.00
73304	3/21/2022	08319	BOERNER, ALLEN P	MARCH	REIMBURSE MEDICARE	
		YTD Amount: 510.30			REIMBURSE MEDICARE	
					05-01-028-5101	170.10
					Total :	170.10

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73305	3/21/2022	08164	BOERNER, SONJA M	MARCH	REIMBURSE MEDICARE	
		YTD Amount: 510.30			REIMBURSE MEDICARE	
					05-01-028-5101	170.10
					Total :	170.10
73306	3/21/2022	09840	CILIBERTO, ANTHONY	MARCH	REIMBURSE MEDICARE	
		YTD Amount: 438.30			REIMBURSE MEDICARE	
					05-01-028-5101	146.10
					Total :	146.10
73307	3/21/2022	12623	CILIBERTO, VIRGINA	MARCH	REIMBURSE MEIDCARE	
		YTD Amount: 510.30			REIMBURSE MEDICARE	
					05-01-028-5101	170.10
					Total :	170.10
73308	3/21/2022	12622	CLARK, BARBARA	MARCH	REIMBURSE MEDICARE	
		YTD Amount: 510.30			REIMBURSE MEDICARE	
					05-01-028-5101	170.10
					Total :	170.10
73309	3/21/2022	03941	CLARK, CHARLES	MARCH	REIMBURSE MEDICARE	
		YTD Amount: 510.30			REIMBURSE MEDICARE	
					05-01-028-5101	170.10
					Total :	170.10
73310	3/21/2022	15653	CLARK, ELIZABETH	MARCH	REIMBURSE MEDICARE	
		YTD Amount: 510.30				

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73310	3/21/2022	15653	CLARK, ELIZABETH	(Continued)	REIMBURSE MEDICARE 05-01-028-5101	170.10
					Total :	170.10
73311	3/21/2022	14873	CLARK, KENNETH	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	170.10
	YTD Amount:	510.30			Total :	170.10
73312	3/21/2022	12951	CLARKE, LLC, RUDOLPH	MARCH	LEGAL SERVICES-RETAINER LEGAL SERVICES-RETAINER 01-01-003-5200	10,500.00
	YTD Amount:	89,429.92			Total :	10,500.00
73313	3/21/2022	02273	CLEWELL, LOUIS, J	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	148.50
	YTD Amount:	445.50			Total :	148.50
73314	3/21/2022	01311	COMPUTYME INC	MARCH	TIME SHARING COMPUTER TIME SHARING COMPUTER 01-01-005-5305 TIME SHARING COMPUTER 01-00-000-1300	675.00
	YTD Amount:	3,200.00			Total :	1,350.00

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73315	3/21/2022	01618	CONOVER, JOSEPH	MARCH	REIMBURSE MEDICARE	
		YTD Amount: 606.00			REIMBURSE MEIDCARE	
					05-01-028-5101	202.00
					Total :	202.00
73316	3/21/2022	14474	CONOVER, MARY	MARCH	REIMBURSE MEDICARE	
		YTD Amount: 606.00			REIMBURSE MEDICARE	
					05-01-028-5101	202.00
					Total :	202.00
73317	3/21/2022	12984	CREEDEN, JOHN S.	MARCH	REIMBURSE MEIDCARE	
		YTD Amount: 510.30			RETIREEES' REIMBURSEMENT	
					05-01-028-5101	170.10
					Total :	170.10
73318	3/21/2022	14248	CREEDEN, MARGARET	MARCH	REIMBURSE MEDICARE	
		YTD Amount: 510.30			REIMBURSE INSURANCE	
					05-01-028-5101	170.10
					Total :	170.10
73319	3/21/2022	01941	CRISTALDI, ANTHONY J	MARCH	REIMBURSE MEDICARE	
		YTD Amount: 510.30			REIMBURSE MEDICARE	
					05-01-028-5101	170.10
					Total :	170.10
73320	3/21/2022	11622	DARCY, MARY	MARCH	REIMBURSE MEDICARE	
		YTD Amount: 510.30				



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73320	3/21/2022	11622	DARCY, MARY	(Continued)	REIMBURSE MEDICARE 05-01-028-5101	170.10
Total :						170.10
73321	3/21/2022	11772	DARCY, THOMAS	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	170.10
YTD Amount: 510.30						170.10
Total :						170.10
73322	3/21/2022	03953	DAVIS SR., GLENN A	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	170.10
YTD Amount: 510.30						170.10
Total :						170.10
73323	3/21/2022	13128	DAVIS, NANCY C.	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	156.10
YTD Amount: 468.30						156.10
Total :						156.10
73324	3/21/2022	09673	DEAN, BRUCE L	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	170.10
YTD Amount: 510.30						170.10
Total :						170.10
73325	3/21/2022	10130	EVANGELISTA, MICHAEL J	MARCH	REIMBURSE MEDICARE	
YTD Amount: 525.90						

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73325	3/21/2022	10130	EVANGELISTA, MICHAEL J	(Continued)	REIMBURSE MEDICARE 05-01-028-5101	191.70 <b>Total : 191.70</b>
73326	3/21/2022	11838	EVANGELISTA, VIRGINIA	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	191.70 <b>Total : 191.70</b>
	YTD Amount:	531.90				
73327	3/21/2022	01596	HASLAM, BRUCE	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	442.30 <b>Total : 442.30</b>
	YTD Amount:	1,326.90				
73328	3/21/2022	15292	HASSON, PETE	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	170.10 <b>Total : 170.10</b>
	YTD Amount:	510.30				
73329	3/21/2022	11179	HOLT, REGINA	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	99.90 <b>Total : 99.90</b>
	YTD Amount:	299.70				
73330	3/21/2022	00107	HOLT, WILLIAM A	MARCH	REIMBURSE MEDICARE	
	YTD Amount:	299.70				

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73330	3/21/2022	00107	HOLT, WILLIAM A	(Continued)	REIMBURSE MEDICARE	
					05-01-028-5101	99.90
					Total :	99.90
73331	3/21/2022	15293	HURTADO, JAMES	MARCH	REIMBURSE MEDICARE	
	YTD Amount:	445.50			REIMBURSE MEDICARE	
					05-01-028-5101	148.50
					Total :	148.50
73332	3/21/2022	14462	KELLY, AILEEN	MARCH	REIMBURSE MEDICARE	
	YTD Amount:	445.50			REIMBURSE MEIDCARE	
					05-01-028-5101	148.50
					Total :	148.50
73333	3/21/2022	15294	KELLY, DONNA	MARCH	REIMBURSE MEDICARE	
	YTD Amount:	510.30			REIMBURSE MEDICARE	
					05-01-028-5101	170.10
					Total :	170.10
73334	3/21/2022	06154	KELLY, GERALD W	MARCH	REIMBURSE MEDICARE	
	YTD Amount:	510.30			REIMBURSE MEDICARE	
					05-01-028-5101	170.10
					Total :	170.10
73335	3/21/2022	14739	KELLY, WILLIAM	MARCH	REIMBURSE MEDICARE	
	YTD Amount:	445.50				

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73335	3/21/2022	14739	KELLY, WILLIAM	(Continued)	REIMBURSE MEDICARE 05-01-028-5101	148.50 <b>Total : 148.50</b>
73336	3/21/2022 YTD Amount: 488.70	09404 LAMPHERE, KATHRYN	MARCH		REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	148.50 <b>Total : 148.50</b>
73337	3/21/2022 YTD Amount: 531.90	04091 LAMPHERE, ROBERT	MARCH		REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	191.70 <b>Total : 191.70</b>
73338	3/21/2022 YTD Amount: 445.50	16411 LEARY, JAMES	MARCH		REIMBURSE MEDICARE REIMBURSEMENT RETIREES IN: 05-01-028-5101	148.50 <b>Total : 148.50</b>
73339	3/21/2022 YTD Amount: 510.30	14871 LIVINGOOD, JOHN	MARCH		REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	170.10 <b>Total : 170.10</b>
73340	3/21/2022 YTD Amount: 510.30	14872 LIVINGOOD, MARYJANE	MARCH		REIMBURSE MEDICARE	

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73340	3/21/2022	14872	LIVINGOOD, MARYJANE	(Continued)	REIMBURSE MEIDCARE 05-01-028-5101	170.10 <b>Total : 170.10</b>
73341	3/21/2022 YTD Amount: 510.30	14460	MANN, JOANNE	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	170.10 <b>Total : 170.10</b>
73342	3/21/2022 YTD Amount: 510.30	15720	MANN, ROBERT	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	170.10 <b>Total : 170.10</b>
73343	3/21/2022 YTD Amount: 510.30	14798	MCCREARY, CHRISTINE	MARCH	REIMBURSE MEDICARE REIMBURSE RETIREES MEDICAR 05-01-028-5101	170.10 <b>Total : 170.10</b>
73344	3/21/2022 YTD Amount: 510.30	05904	McCREARY, KEVIN	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	170.10 <b>Total : 170.10</b>
73345	3/21/2022 YTD Amount: 510.30	15324	MCNAMARA, CHERYL	MARCH	REIMBURSE MEDICARE	

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73345	3/21/2022	15324	MCNAMARA, CHERYL	(Continued)	REIMBURSE MEDICARE 05-01-028-5101	170.10
Total :						170.10
73346	3/21/2022	14908	MCNAMARA, THOMAS	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	170.10
YTD Amount: 510.30						Total : 170.10
73347	3/21/2022	14489	MILETTO, MADELINE	MARCH	REIMBURSE MEDICARE REIMBURSE RETIREES INSURAN 05-01-028-5101	170.10
YTD Amount: 510.30						Total : 170.10
73348	3/21/2022	13417	MILETTO, MICHAELA	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	170.10
YTD Amount: 510.30						Total : 170.10
73349	3/21/2022	16295	MOUAT, BRUCE	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	170.10
YTD Amount: 557.10						Total : 170.10
73350	3/21/2022	10226	MYERS, PAUL	MARCH	REIMBURSE MEDICARE	
YTD Amount: 510.30						

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73350	3/21/2022	10226	MYERS, PAUL	(Continued)	REIMBURSE MEDICARE 05-01-028-5101	170.10 <b>170.10</b>
73351	3/21/2022 YTD Amount: 406.50	14159	O'CONNOR, NANCY	MARCH	REIMBURSE MEDICARE 05-01-028-5101	135.50 <b>135.50</b>
73352	3/21/2022 YTD Amount: 510.30	01805	PARKS, JOHN	MARCH	REIMBURSE MEDICARE 05-01-028-5101	170.10 <b>170.10</b>
73353	3/21/2022 YTD Amount: 9,000.00	15916	POSTAL SERVICE, UNITED STATES	MARCH	POSTAGE REPLENISH POSTAGE METER 01-01-002-5306	3,000.00 <b>3,000.00</b>
73354	3/21/2022 YTD Amount: 510.30	08918	QUINN, JOSEPH	MARCH	REIMBURSE MEDICARE 05-01-028-5101	170.10 <b>170.10</b>
73355	3/21/2022 YTD Amount: 510.30	10954	QUINN, NANCY C	MARCH	REIMBURSE MEDICARE	



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73355	3/21/2022	10954	QUINN, NANCY C	(Continued)	REIMBURSE MEDICARE 05-01-028-5101	170.10 <b>Total : 170.10</b>
73356	3/21/2022	12174	RICE, GEORGIANNA M	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	170.10 <b>Total : 170.10</b>
	YTD Amount: 510.30					
73357	3/21/2022	12163	RICE, MELVIN	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	170.10 <b>Total : 170.10</b>
	YTD Amount: 510.30					
73358	3/21/2022	11932	RIDGE, CAROL	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	148.50 <b>Total : 148.50</b>
	YTD Amount: 445.50					
73359	3/21/2022	02538	RIDGE, PHILIP	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	148.50 <b>Total : 148.50</b>
	YTD Amount: 445.50					
73360	3/21/2022	00996	SECOND ALARMERS ASSN	MARCH	MONTHLY SERVICES	
	YTD Amount: 46,875.00					

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73360	3/21/2022	00996	SECOND ALARMERS ASSN	(Continued)	MONTHLY SERVICES	
					01-27-013-5305	15,625.00
					Total :	15,625.00
73361	3/21/2022	00943	STEIN, KENNETH	MARCH	REIMBURSE MEDICARE	
	YTD Amount:	365.40			REIMBURSE MEDICARE	
					05-01-028-5101	121.80
					Total :	121.80
73362	3/21/2022	13756	STEIN, PATRICIA	MARCH	REIMBURSE MEDICARE	
	YTD Amount:	402.00			MEDICARE REIMBURSEMENT	
					05-01-028-5101	134.00
					Total :	134.00
73363	3/21/2022	05785	THOMPSON, JOHN F	MARCH	REIMBURSE MEDICARE	
	YTD Amount:	433.80			REIMBURSE MEDICARE	
					05-01-028-5101	144.60
					Total :	144.60
73364	3/21/2022	07364	THOMPSON, MARYANN T	MARCH	REIMBURSE MEDICARE	
	YTD Amount:	433.80			REIMBURSE MEDICARE	
					05-01-028-5101	144.60
					Total :	144.60
73365	3/21/2022	01030	TOMLINSON, DAVID J	MARCH	REIMBURSE MEDICARE	
	YTD Amount:	510.30				

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73365	3/21/2022	01030	TOMLINSON, DAVID J	(Continued)	REIMBURSE MEDICARE 05-01-028-5101	170.10
						<b>Total : 170.10</b>
73366	3/21/2022	04527	TRUDEAU, MARIE A	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	104.90
						<b>Total : 104.90</b>
73367	3/21/2022	01683	TRUDEAU, RONALD J	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	104.90
						<b>Total : 104.90</b>
73368	3/21/2022	16294	WHITNEY, ANNE	MARCH	REIMBURSE MEDICARE REIMBURSE MEDICARE 05-01-028-5101	144.60
						<b>Total : 144.60</b>
69 Vouchers for bank code : ap2						<b>Bank total : 42,075.50</b>
69 Vouchers in this report						<b>Total vouchers : 42,075.50</b>

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73369	3/25/2022	00907	21ST CENTURY MEDIA		LEGAL ADVERTISING	
		YTD Amount: 1,041.67			LEGAL ADVERTISING	
					01-06-081-5303	403.99
					Total :	403.99
73370	3/25/2022	01306	ABINGTON TWP PUBLIC LIBRARY		LIBRARY APPROPRIATION	
		YTD Amount: 50,803.93			LIBRARY APPROPRIATION	
					01-23-072-5334	12,981.45
					Total :	12,981.45
73371	3/25/2022	08855	AIRGAS USA LLC		ACETYLENE/OXYGEN CYCLINDE	
		YTD Amount: 346.09				
				80491	ACETYLENE/OXYGEN CYCLINDE	
					01-24-157-5323	110.39
					Total :	110.39
73372	3/25/2022	12309	ALLIED LANDSCAPE SUPPLY		REPAIRS TO ALVERTHORPE PAF	
		YTD Amount: 211.82				
				81101	Repairs to Alverthorpe Park retentic	
					01-24-151-5323	19.30
			139125		REPAIRS TO ALVERTHORPE PAF	
				81183	Repairs to Alverthorpe Park A	
					01-24-151-5323	192.52
					Total :	211.82
73373	3/25/2022	15969	AMAZON		FLASH DRIVES FOR BOB SANDS	
		YTD Amount: 5,317.13		1hng4xm36qkm		

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73373	3/25/2022	15969	5 282 14 AMAZON	(Continued)		
				81125	FLASH DRIVES FOR BOB SANDS	
					01-04-044-5323	34.99
					Total :	34.99
73374	3/25/2022	15971	APS	1091 0278 1262	COIL ELECTRICAL CORD FOR #1	
	YTD Amount:	17,106.28		81062	COIL ELECTRICAL CORD FOR #1	
					01-14-186-5304	620.70
			1573 1470 1444		OIL FILTERS \$9.37~	
				81049	OIL FILTERS \$9.37~	
					01-14-186-5304	1,580.38
			1911525		SNOW CHAINS FOR TOWNSHIP	
				80931	SNOW CHAINS FOR TOWNSHIP	
					03-13-148-5322	1,919.50
					Total :	4,120.58
73375	3/25/2022	05838	AQUA PENNSYLVANIA	WATER	1010 FITZWATERTOWN	
	YTD Amount:	1,840.54			1010 FITZWATERTOWN	
					02-10-200-5311	794.47
					Total :	794.47
73376	3/25/2022	05843	AQUA PENNSYLVANIA	WATER	ES VALLEY	
	YTD Amount:	380.95			ES VALLEY	
					02-10-203-5311	37.38
					Total :	37.38
73377	3/25/2022	05845	AQUA PENNSYLVANIA	WATER	1858 OLD WELSH	
	YTD Amount:	68.55				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73377	3/25/2022	05845	AQUA PENNSYLVANIA	(Continued)	1858 OLD WELSH 02-10-203-5311	19.35 <b>19.35</b>
73378	3/25/2022	05846	AQUA PENNSYLVANIA	WATER	BRIARCLIFF BRIARCLIFF 02-10-203-5311	21.11 <b>21.11</b>
73379	3/25/2022	05848	AQUA PENNSYLVANIA	WATER	635 MOREDON 635 MOREDON 02-10-203-5311	19.35 <b>19.35</b>
73380	3/25/2022	07415	AQUA PENNSYLVANIA	WATER	MEADOWBROOK BIRD SANCTU, MEADOWBROOK BIRD SANCTU, 01-24-157-5311	19.83 <b>19.83</b>
73381	3/25/2022	10093	ARDMORE TIRE COMPANY	80024 80291 80 81135	FLAT REPAIR \$28.00~ FLAT REPAIR \$28.00~ 01-14-186-5304	1,523.10 <b>1,523.10</b>
73382	3/25/2022	15619	AUTOMATIONDIRECT.COM, INC.	1325789	8 - 24 VOLT POWER SUPPLIES F	

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73382	3/25/2022	15619	AUTOMATIONDIRECT.COM, INC.	(Continued)		
				81220	8 - 24 VOLT POWER SUPPLIES F	
					02-10-200-5304	314.00
					Total :	314.00
73383	3/25/2022	08427	B & H PHOTO - VIDEO	199826906	NIKON CAMERAAND ACCESSOF	
	YTD Amount: 2,558.69			81130	nikon camera and accessories	
					01-04-058-5322	1,028.43
					Total :	1,028.43
73384	3/25/2022	15149	BAINBRIDGE, PATRICIA	MARCH	REIMBURSE RETIREES INSURAI	
	YTD Amount: 270.93				REIMBURSE RETIREES INSURAI	
					05-01-029-5102	90.31
					Total :	90.31
73385	3/25/2022	00825	BERGEY'S INC.	SEE LIST	TORQUE ROD & HARDWARE FO	
	YTD Amount: 19,297.69			81140	TORQUE ROD & HARDWARE FO	
					01-14-186-5304	536.47
					Total :	536.47
73386	3/25/2022	11962	BERKHEIMER	1ST QTR	WWTP LST WITHHOLDINGS	
	YTD Amount: 392.00				WWTP LST WITHHOLDINGS	
					01-00-000-2035	192.00
					Total :	192.00
73387	3/25/2022	00707	BILLOWS ELECTRIC SUPPLY INC	5635239--	BULLET STYLE LAMP SOCKETS	
	YTD Amount: 5,937.99					



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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73387	3/25/2022	00707	BILLOWS ELECTRIC SUPPLY INC	(Continued)		
				81176	BULLET STYLE LAMP SOCKETS	
					01-13-117-5320	138.68
			5658301-00	81210	#2 COLOR WIRE FOR CARDINAL	
					#2 COLOR WIRE FOR CARDINAL	
					02-10-203-5304	174.24
			567943-00	81143	FINANCE OFFICE RENOVATIONS	
					FINANCE OFFICE RENOVATIONS	
					07-01-500-7551	322.53
					Total :	635.45
73388	3/25/2022	15896	BORTEK INDUSTRIES INC.	740397-00	WATER LEAK / OIL LEAK REPAIR	
	YTD Amount:	1,757.89				
				81136	WATER LEAK / OIL LEAK REPAIR	
					01-14-186-5304	1,182.42
			747260-00	81137	DEF SYSTEM REPAIR	
					DEF SYSTEM REPAIR	
					01-14-186-5304	575.47
					Total :	1,757.89
73389	3/25/2022	00187	BRYNER CHEVROLET INC.	972811	FUEL HOSE FOR #310	
	YTD Amount:	1,467.52				
				81155	FUEL HOSE FOR #310	
					01-14-186-5304	133.98
					Total :	133.98
73390	3/25/2022	14962	CASALINA, JOSE	ZHB	ZHB MINUTES	
	YTD Amount:	150.00				
					ZHB MINUTES	
					01-06-087-5030	75.00

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73390	3/25/2022	14962	CASALINA, JOSE	(Continued)	Total :	75.00
73391	3/25/2022	15889	CHAPMAN FORD OF HORSHAM	917217	WATER PUMP & DOOR PANEL FC	
		YTD Amount: 66,819.25				
				81112	WATER PUMP & DOOR PANEL FC	
					01-14-186-5304	1,503.02
					Total :	1,503.02
73392	3/25/2022	12432	CINTAS	February	UNIFORMS FOR VM.	
		YTD Amount: 1,316.94				
				81173	UNIFORMS FOR VM.	
					01-14-180-5316	250.47
					Total :	250.47
73393	3/25/2022	12951	CLARKE, LLC, RUDOLPH	86553	PENN STATE LAND DEVELOPME	
		YTD Amount: 92,062.42				
					Penn State Land Development	
					07-00-000-2451	2,632.50
					Total :	2,632.50
73394	3/25/2022	12630	CLUTTON, SHARON	MARCH	REIMBURSE RETIREES INSURAI	
		YTD Amount: 270.93				
					REIMBURSE RETIREES INSUAN	
					05-01-029-5102	90.31
					Total :	90.31
73395	3/25/2022	13773	COLLIFLOWER, INC.	see attached	HYDRAULIC COUPLERS FOR RC	
		YTD Amount: 7,977.04				
				81163	HYDRAULIC COUPLERS FOR RC	
					01-14-186-5304	2,147.25

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73395	3/25/2022	13773	COLLIFLOWER, INC.			
			(Continued)			
			See attached			
				80967	SKID STEER COUPLERS \$516.08	
					SKID STEER COUPLERS \$516.08	
				81138	01-14-186-5304	366.36
					HYDRAULIC CONNECTOR \$31.22	
					01-14-186-5304	231.63
					Total :	2,745.24
73396	3/25/2022	12200	COLONIAL ELECTRIC SUPPLY CO	14424148 67436	CORD GRIPS FOR WIRE	
	YTD Amount:	511.75		81211	CORD GRIPS FOR WIRE	
					02-10-203-5304	511.75
					Total :	511.75
73397	3/25/2022	13433	COMCAST	March	ALVERTHORPE PARK CONTROL	
	YTD Amount:	626.09		80545	ALVERTHORPE PARK CONTROL	
					01-24-151-5305	205.47
					Total :	205.47
73398	3/25/2022	15371	COMCAST	MARCH	PHONE SERVICE FOR CRESTMC	
	YTD Amount:	206.46			PHONE SERVICE FOR CRESTMC	
					01-24-153-5307	67.76
					Total :	67.76
73399	3/25/2022	16726	COMCAST	MARCH	BBNC VOICE EDGE	
	YTD Amount:	575.78			BBNC VOICE EDGE	
					01-24-155-5307	147.49
					Total :	147.49

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73400	3/25/2022	06524	COMCAST BUSINESS	March	PARKS DEPT. PHONES~	
		YTD Amount: 2,717.90				
				80542	MARCH	
					01-24-150-5307	243.14
				80542	MARCH	
					01-24-151-5307	123.52
				80542	MARCH	
					01-24-152-5307	140.33
				80542	MARCH	
					01-24-155-5307	398.71
					Total :	905.70
73401	3/25/2022	07341	COMCAST CABLE	MARCH	INTERNET SERVICE FOR WASTE	
		YTD Amount: 212.79				
					INTERNET SERVICE FOR WASTE	
					02-10-200-5305	70.93
					Total :	70.93
73402	3/25/2022	08182	COMCAST CABLE	FEBRUARY	INTERNET SERVICE FOR ANNEX	
		YTD Amount: 179.41				
					INTERNET SERVICE FOR ANNEX	
					01-04-062-5305	179.41
					Total :	179.41
73403	3/25/2022	09245	COMCAST CABLE	MARCH	PARKS MAINT OFFICE -FOX CHA	
		YTD Amount: 265.20				
					PARKS MAINT OFFICE -FOX CHA	
					01-24-158-5305	88.40
					Total :	88.40

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73404	3/25/2022	03261 CONROY'S CLEANING INC	FEBRUARY		CLEANING SERVICE~	
		YTD Amount: 6,185.00		81184	CLEANING SERVICE~	
					01-01-030-5305	1,200.00
					Total :	1,200.00
73405	3/25/2022	08628 CONTRACT & COMMERCIAL INC., STAPL	3501037315 350		HEATER, PAPERCLIPS, HARD DF	
		YTD Amount: 5,717.31		80954	heater, paperclips, hard drive, card	
			3501037321	81023	01-04-053-5300	231.75
					42" ROLL PAPER FOR LARGE PL	
					42" ROLL PAPER FOR LARGE PL	
			3501037324	81001	01-07-110-5300	86.98
					OFFICE SUPPLIES FOR P.W. REI	
					OFFICE SUPPLIES FOR P.W. REI	
			3501933006	81045	01-13-130-5300	266.15
					KEYBOARD TRAY FOR FINANCE	
					KEYBOARD TRAY FOR FINANCE	
					01-05-010-5300	136.65
					Total :	721.53
73406	3/25/2022	08706 COUNTY/PUBLIC HEALTH, TREASURER	P1259 P1260 P		CRESTMONT POOL PERMIT	
		YTD Amount: 620.00		81142	Crestmont Pool Permit	
				81142	01-24-153-5324	250.00
					Penbryn Pool Permit	
				81142	01-24-154-5324	250.00
					Alverthorpe Park Pool Permit	
					01-24-151-5324	120.00
					Total :	620.00

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73407	3/25/2022	08023 DEHART & SON, H.A.	X101014607 X1		WESTERN PLOW PARTS/RUBBE	
		YTD Amount: 1,857.24			WESTERN PLOW PARTS/RUBBE	
					01-14-186-5304	265.28
					WESTERN PLOW PARTS/RUBBE	
					03-13-148-5322	663.34
					Total :	928.62
73408	3/25/2022	13760 DELANEY, ALISON	TUITION		TUITION REIMBURSEMENT - SPI	
		YTD Amount: 628.10				
				81171	Tuition reimbursement - Spring Ser	
					01-04-044-5190	628.10
					Total :	628.10
73409	3/25/2022	16638 DOHAN, KRISTIN	REFUND		REFUND CLASS	
		YTD Amount: 130.00			REFUND CLASS	
					01-00-000-4427	130.00
					Total :	130.00
73410	3/25/2022	13766 DOORCHECK, INC, JAMES	744851		POLICE STATION DOOR REPAIR	
		YTD Amount: 680.20				
				81098	POLICE STATION DOOR REPAIR	
					01-01-030-5317	100.61
					Total :	100.61
73411	3/25/2022	07484 EAGLE TRUCK EQUIPMENT	21769		CHAIN KIT FOR REFUSE TRUCK	
		YTD Amount: 6,982.59				
				81111	CHAIN KIT FOR REFUSE TRUCK	
					01-14-186-5304	2,878.82
					Total :	2,878.82

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73412	3/25/2022	16896	EDITS 2022 (ATTENDEE), UPPER DUBLIN REGISTRATION		REGISTRATION FOR EDITS CON	
		YTD Amount: 1,050.00		81225	Registration for EDITS conference- 01-04-056-5234	1,050.00
					Total :	1,050.00
73413	3/25/2022	12365	FBINAA EASTERN PA CHAPTER		REGISTER FOR DC PORTER - FE	
		YTD Amount: 875.00		81121	register for DC Porter - FBINAA 01-04-056-5234	225.00
					Total :	225.00
73414	3/25/2022	08830	FERGUSON ENTERPRISES LLC	7421871	REPAIRS TO TOWNSHIP BUILDIN	
		YTD Amount: 1,369.87		81181	Township Building repairs 01-01-030-5317	29.80
			7431378	81180	REPAIRS TO ALVERTHORPE MAI Repairs to Alverthorpe Manor 01-24-157-5317	7.13
					Total :	36.93
73415	3/25/2022	16908	FRIEDMAN, ESQUIRE, PETER S.		1235 MEINEL ROAD SETTLEMEN	
		YTD Amount: 10,000.00			1235 MEINEL ROAD SETTLEMEN 01-01-003-5201	10,000.00
					Total :	10,000.00
73416	3/25/2022	00462	FRIENDS OF BRIAR BUSH		PA NATIVE PLANT SOCIETY MEN	
		YTD Amount: 2,464.14		REIMBURSEME		



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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73416	3/25/2022	00462	FRIENDS OF BRIAR BUSH	(Continued)		
				81213	PA Native Plant Society membershi	
					01-24-155-5301	25.00
				81213	Batteries	
					01-24-155-5323	15.49
				81213	Demo compass	
					01-24-155-5324	27.13
					Total :	67.62
73417	3/25/2022	00512	GEPPERT INC., WILLIAM A	12059	MANAGER'S OFFICE RENOVATIC	
			YTD Amount: 9,250.86			
				81198	MANAGER'S OFFICE RENOVATIC	
					07-01-500-7551	15.56
			12238		BANQUETTE CONSTRUCTION M	
				81206	Banquette construction materials	
					01-24-155-5317	212.12
			12432		BOARDROOM RENOVATIONS AN	
				81199	BOARDROOM RENOVATIONS AN	
					07-01-500-7551	47.90
			12498		CONCRETE SEAL MATERIALS	
				81222	Concrete seal materials	
					01-24-155-5317	48.57
			12770		SEALANTS FOR SIDING	
				81204	Sealants for siding	
					01-24-155-5317	40.95
			14064		FINANCE OFFICE RENOVATIONS	
				81197	FINANCE OFFICE RENOVATIONS	
					07-01-500-7551	372.67

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73417	3/25/2022	00512 GEPPERT INC., WILLIAM A	(Continued) 14259	81192	FINANCE OFFICE RENOVATIONS FINANCE OFFICE RENOVATIONS	
			14302	81095	07-01-500-7551 FINANCE OFFICE RENOVATIONS Finance Office Renovations	16.99
			14379	81096	07-01-500-7551 FINANCE OFFICE RENOVATIONS Finance Office Renovations	469.18
			14450	81094	07-01-500-7551 FINANCE OFFICE RENOVATIONS Finance Office Renovations	131.12
			14591	81093	07-01-500-7551 FINANCE OFFICE RENOVATIONS Finance Office Renovations	199.84
			15258	81193	07-01-500-7551 FINANCE OFFICE RENOVATIONS FINANCE OFFICE RENOVATIONS	451.24
			15431	81091	07-01-500-7551 FINANCE OFFICE RENOVATIONS FINANCE OFFICE RENOVATIONS	111.74
			15580	81194	07-01-500-7551 FINANCE OFFICE RENOVATIONS FINANCE OFFICE RENOVATIONS	79.97
			15582	81195	07-01-500-7551 FINANCE OFFICE RENOVATIONS FINANCE OFFICE RENOVATIONS	481.05
					07-01-500-7551	34.99

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73417	3/25/2022	00512 GEPPERT INC., WILLIAM A	(Continued) 15672		FINANCE OFFICE RENOVATIONS	
				81196	FINANCE OFFICE RENOVATIONS	
			15834		07-01-500-7551	115.97
				81085	HOCKEY NET REPAIRS AND SHC	
					Hockey net repairs and shop suppli	
			15917		01-24-157-5323	38.57
				81191	FINANCE OFFICE RENOVATIONS	
					FINANCE OFFICE RENOVATIONS	
			16011		07-01-500-7551	268.64
				81190	FINANCE OFFICE RENOVATIONS	
					FINANCE OFFICE RENOVATIONS	
			16455		07-01-500-7551	15.68
				81189	FINANCE OFFICE RENOVATIONS	
					FINANCE OFFICE RENOVATIONS	
			16470 16273 16		07-01-500-7551	67.64
				81108	MANOR WINDOW REPAIR	
					Manor window repair	
			16526		01-24-157-5317	162.47
				81188	FINANCE OFFICE RENOVATIONS	
					FINANCE OFFICE RENOVATIONS	
					07-01-500-7551	130.18
					<b>Total :</b>	<b>3,513.04</b>
73418	3/25/2022	00548 GLENSIDE GLASS CO	93092		FINANCE OFFICE RENOVATIONS	
		YTD Amount: 130.21		81200	FINANCE OFFICE RENOVATIONS	
					07-01-500-7551	104.01
					<b>Total :</b>	<b>104.01</b>

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73419	3/25/2022	01110	844325373		STEEL BITS FOR PLUMBING IN M	
		YTD Amount: 1,338.69				
				81158	STEEL BITS FOR PLUMBING IN M	
					07-13-575-7585	4.74
					Total :	4.74
73420	3/25/2022	16907	REIMBURSEME		REIMBRSEMENT FOR OVERPAYI	
		YTD Amount: 57.40				
					REIMBRSEMENT FOR OVERPAYI	
					01-00-000-2510	57.40
					Total :	57.40
73421	3/25/2022	16227	ZHB		ZHB MINUTES	
		YTD Amount: 150.00				
					ZHB MINUTES	
					01-06-087-5030	75.00
					Total :	75.00
73422	3/25/2022	00851	1515388		FINANCE OFFICE RENOVATIONS	
		YTD Amount: 5,506.12				
				81186	FINANCE OFFICE RENOVATIONS	
					07-01-500-7551	156.27
			2045698		TOOLS FOR TRUCK#135	
				81156	TOOLS FOR TRUCK#135	
					01-13-131-5323	442.44
			4031063		FINANCE OFFICE RENOVATIONS	
				81185	FINANCE OFFICE RENOVATIONS	
					07-01-500-7551	533.10
			5901305		WHITE STAKE FLAGS FOR SIGN	
				81157	WHITE STAKE FLAGS FOR SIGN	
					03-13-143-5325	35.88

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73422	3/25/2022	00851	HOME DEPOT CREDIT SERVICES	(Continued)	Total :	1,167.69
73423	3/25/2022	10824	INTERSTATE BATTERY SYSTEM	181130476	BATTERY FOR DUMP TRUCK	
		YTD Amount: 2,542.95				
				81141	BATTERY FOR DUMP TRUCK	
					01-14-186-5304	66.95
					Total :	66.95
73424	3/25/2022	12881	JONES, MARGARET	JAN & FEB	REIMBURSE RETIREES INSURAI	
		YTD Amount: 361.24			REIMBURSE RETIREES INSURAI	
					05-01-029-5102	361.24
					Total :	361.24
73425	3/25/2022	16812	KENDALL ELECTRIC INC	S111347136.001	STARTER OL FOR AB (GRINDER	
		YTD Amount: 75.10				
				81216	STARTER OL FOR AB (GRINDER	
					02-10-203-5304	75.10
					Total :	75.10
73426	3/25/2022	00920	KIRKLAND PRINTING, INC	48832	CATALOG PHOTO ENVELOPES	
		YTD Amount: 1,974.00				
				81131	CATALOG PHOTO ENVELOPES	
					01-04-055-5303	236.00
					Total :	236.00
73427	3/25/2022	09745	KLINE, STEVEN	ZHB	ZHB MINUTES	
		YTD Amount: 150.00			ZHB MINUTES	
					01-06-087-5030	75.00
					Total :	75.00

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73428	3/25/2022	00859	1 122 00 LAWN & GOLF SUPPLY CO., INC.	59667	PUMP MOTOR FOR GOLF COUR	
		YTD Amount: 2,419.68				
				81145	Pump motor for golf course sprayer	
					01-24-151-5323	991.68
					Total :	991.68
73429	3/25/2022	16748	LEAF	MARCH & APRI	COPIER FOR COMMUNIYT POLIC	
		YTD Amount: 420.00				
					COPIER FOR COMMUNITY POLIC	
					01-30-011-5213	210.00
					Total :	210.00
73430	3/25/2022	16818	LEGAL & LIABILITY RISK MGMT	223536	DEEP DIVE INTO CELL PHONE R	
		YTD Amount: 425.00				
				81117	Deep Dive into Cell Phone Records	
					01-04-056-5234	150.00
					Total :	150.00
73431	3/25/2022	12761	LITTLE, INC, ROBERT E.	04-899881	CHAINSAW BARS	
		YTD Amount: 677.72				
				81078	Chainsaw bars	
					01-24-158-5322	97.98
					Total :	97.98
73432	3/25/2022	05516	LOWE'S BUSINESS ACCOUNT	7870516	TOOLS & SUPPLIES FOR SIGN S	
		YTD Amount: 1,425.19				
				81152	TOOLS & SUPPLIES FOR SIGN S	
					03-13-143-5325	48.26
			88011288		TOOLS & SUPPLIES @ TRANSFE	
				81159	TOOLS & SUPPLIES @ TRANSFE	
					14-12-103-5304	205.90

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73432	3/25/2022	05516	LOWE'S BUSINESS ACCOUNT	(Continued)	Total :	254.16
73433	3/25/2022	12369	MAC HYDRAULICS	44164	CYLINDER OVERHAUL @TRANS	
		YTD Amount: 4,810.00				
				80816	CYLINDER OVERHAUL @TRANS	
					14-12-103-5304	3,985.00
					Total :	3,985.00
73434	3/25/2022	14147	MATIZA, SUSAN	MARCH	REIMBURSEMENT FOR RETIREE	
		YTD Amount: 541.86			REIMBURSEMENT FOR RETIREE	
					05-01-029-5102	180.62
					Total :	180.62
73435	3/25/2022	06989	MATTEO, LARRY	MARCH	REIMBURSE RETIREES INSURAN	
		YTD Amount: 541.86			REIMBURSE RETIREES INSURAN	
					05-01-029-5102	180.62
					Total :	180.62
73436	3/25/2022	08257	MCDONALD UNIFORMS	204285	FREED - 204285 - REPLACEMENT	
		YTD Amount: 51,129.63				
				81169	Freed - 204285 - replacement jacke	
					01-04-044-5316	308.24
					Total :	308.24
73437	3/25/2022	14813	MENICHELLO, SCOTT	CDL LICENSE	CDL LICENSE	
		YTD Amount: 131.99			CDL LICENSE	
					01-14-180-5323	72.00



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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73437	3/25/2022	14813	MENICHELLO, SCOTT (Continued) REIMBURSEME		TEST REIMBURSEMENT TEST REIMBURSEMENT 01-14-180-5322	59.99
					Total :	131.99
73438	3/25/2022	08278	MSC INDUSTRIAL SUPPLY COMPANY	33610224	3 - ROLL EMORY CLOTH, TAP SE	
	YTD Amount:	629.81		81209	3 - ROLL EMORY CLOTH, TAP SE 02-10-205-5304	353.15
					Total :	353.15
73439	3/25/2022	01034	NAPA AUTO PARTS	SEE LIST	HYDRAULIC FILTER FOR #421 \$3	
	YTD Amount:	1,889.30		81161	HYDRAULIC FILTER FOR #421 \$3 01-14-186-5304	199.93
					Total :	199.93
73440	3/25/2022	06294	NEW CONCEPTS ONLINE INC	8958 9126	WEB HOSTING	
	YTD Amount:	1,150.00			WEB HOSTING 01-04-055-5305	700.00
					Total :	700.00
73441	3/25/2022	13035	O'CONNOR, MICHAEL	ZHB	ZHB MINUTES	
	YTD Amount:	150.00			ZHB MINUTES 01-06-087-5030	75.00
					Total :	75.00
73442	3/25/2022	12142	PA DEP, COMMONWEALTH OF PA	1237119	ANNUAL FEES FOR NPDES PERI	
	YTD Amount:	500.00				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73442	3/25/2022	12142	PÂÂ DEP, COMMONWEALTH OF PA (Continued)	81115	ANNUAL FEES FOR NPDES PERI 14-12-103-5305	500.00
Total :						500.00
73443	3/25/2022	01189	PENNONI ASSOCIATES INC.	1052330	LD REDSTONE AT BEADERWOO	
YTD Amount: 49,112.75					LD REDSTONE AT BEADERWOO	
					07-00-000-2442	140.00
			1100077		ABINGTON SITE INSPECTIONS ABINGTON SITE INSPECTIONS	
					07-00-000-2451	487.50
			789936		GENERAL TRAFFIC SERVICES GENERAL TRAFFIC SERVICES	
					01-07-110-5305	1,480.00
			851137		GENERAL TRAFFIC SERVICES GENERAL TRAFFIC SERVICES	
					01-07-110-5305	1,540.00
Total :						3,647.50
73444	3/25/2022	02204	PENNSYLVANIA STATE UNIVERSITY	126457	BIOSOLIDS SAMPLE ANALYSIS	
YTD Amount: 405.00						
				81215	BIOSOLIDS SAMPLE ANALYSIS	
					02-10-200-5305	405.00
Total :						405.00
73445	3/25/2022	15683	PLATELOGIQ	PL 210660	ALPR AT EASTON AND KESWICK	
YTD Amount: 4,781.00						
				81013	ALPR at Easton and Keswick - Yea	
					07-04-525-7568	4,781.00

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73445	3/25/2022	15683	PLATELOGIQ	(Continued)	Total :	4,781.00
73446	3/25/2022	08842	POLYDYNE INC.	1620205	40 OF 55 POUND BAGS OF CLAR	
	YTD Amount:	14,521.32				
				80959	40 of 55 POUND BAGS OF CLARI	
					02-10-200-5326	4,730.00
					Total :	4,730.00
73447	3/25/2022	09600	PROSHRED SECURITY	2103796	DEPOSIT FOR SHREDDING EVEI	
	YTD Amount:	750.00				
				81116	DEPOSIT FOR SHREDDING EVEI	
					14-12-103-5305	750.00
					Total :	750.00
73448	3/25/2022	15347	REBMANN MAXWELL & HIPPEL LLP, OBE 425743		EDC PROFESSIONAL SERVICES	
	YTD Amount:	1,897.50				
					EDC PROFESSIONAL SERVICES	
					01-01-001-5319	1,897.50
					Total :	1,897.50
73449	3/25/2022	10046	REIDER ASSOCIATES, INC., M.J.	22C0036	LABORATORY TESTING FOR NPI	
	YTD Amount:	7,061.05				
				81212	LABORATORY TESTING FOR NPI	
					02-10-200-5305	3,370.80
					Total :	3,370.80
73450	3/25/2022	13056	REPUBLIC SERVICES INC	032000087141	GRIT & SCREENING DISPOSAL S	
	YTD Amount:	2,365.20				
				80915	GRIT & SCREENING DISPOSAL S	
					02-10-200-5305	1,262.40
					Total :	1,262.40

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73451	3/25/2022	16897	SÂÑCHEZ, ISABELLA		REFUND	
		YTD Amount:	130.00		REFUND CLASS	
					REFUND CLASS	
					01-00-000-4427	130.00
					Total :	130.00
73452	3/25/2022	14383	SARAH GANGES, THE ESTATE OF		JULY TO JAN	
		YTD Amount:	639.61		REIMBURSE RETIREES INSURAN	
					REIMBURSE RETIREES INSURAN	
					05-01-029-5102	639.61
					Total :	639.61
73453	3/25/2022	00053	SAXON OFFICE TECHNOLOGY, INC.		001744	
		YTD Amount:	4,504.04			
				81168	saxon invoice 001744, multiple cop	
					01-01-005-5305	766.78
				104715	CYAN TONER	
				81129	cyan toner	
					01-01-002-5300	123.13
					Total :	889.91
73454	3/25/2022	00989	SAYRE, INC., G. L.		01930475 30990	
		YTD Amount:	2,581.14			
				81139	TORQUE ROD BRACKET FOR #2	
					TORQUE ROD BRACKET FOR #2	
					01-14-186-5304	129.30
					Total :	129.30
73455	3/25/2022	00999	SECURITY SPECIALISTS, LTD.		27652	
		YTD Amount:	312.00			
				81082	Alverthorpe Park Central Monitoring	
					01-24-151-5305	312.00

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73455	3/25/2022	00999	SECURITY SPECIALISTS, LTD.	(Continued)	Total :	312.00
73456	3/25/2022	16838	SEVEN MOTORS LLC	001309	WINDOW TINT FOR NEW 29-68 I	
		YTD Amount: 840.00				
				81106	WINDOW TINT FOR NEW 29-68 I	
					01-04-053-5323	400.00
					Total :	400.00
73457	3/25/2022	04607	SHAPIRO FIRE PROTECTION CO	16305	ANNUAL INSPECTION OF FIRE E	
		YTD Amount: 1,570.47				
				81102	Annual Inspection of Fire Extinguishi	
					01-24-157-5305	1,364.69
					Total :	1,364.69
73458	3/25/2022	01882	SHERWIN WILLIAMS CO.	3877-1	40 BAGS OF GLASS BEADS FOR	
		YTD Amount: 4,933.19				
				81160	40 BAGS OF GLASS BEADS FOR	
					03-13-143-5325	1,380.00
					Total :	1,380.00
73459	3/25/2022	16245	SPECIALTY MECHANICAL SVCS INC	14922	OIL LINE REPAIR FOR #151	
		YTD Amount: 7,066.65				
				81119	OIL LINE REPAIR FOR #151	
					01-14-186-5304	606.85
					Total :	606.85
73460	3/25/2022	00929	STAHL, ROBERT	MARCH	REIMBURSE RETIREES INSURANCE	
		YTD Amount: 541.86				
					REIMBURSE RETIREES INSURANCE	
					05-01-029-5102	180.62
					Total :	180.62

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73461	3/25/2022	15540 THE HOME DEPOT PRO	862637669		JANITORIAL SUPPLIES	
		YTD Amount: 4,048.99		81203	Toilet paper, paper towels, trash ba	
					01-24-155-5323	137.99
					Total :	137.99
73462	3/25/2022	16898 THOMER, LISA	REFUND		REFUND CLASS	
		YTD Amount: 130.00			REFUND CLASS	
					01-00-000-4427	130.00
					Total :	130.00
73463	3/25/2022	16876 TOMLINSON, KATHLEEN	Feb & March		RETIREEES MEDICARE REIMBUR:	
		YTD Amount: 340.20			RETIREEES MEDICARE REIMBUR:	
					05-01-028-5101	340.20
					Total :	340.20
73464	3/25/2022	13060 TRADS	348119		TLO FEB INVOICE	
		YTD Amount: 332.50		81105	TLO FEB INVOICE	
					01-04-053-5305	100.80
					Total :	100.80
73465	3/25/2022	05191 UPPER DUBLIN TOWNSHIP	C35402		CONSULTING FEES ~	
		YTD Amount: 168.00		81205	CONSULTING FEES ~	
					14-12-103-5304	168.00
					Total :	168.00
73466	3/25/2022	10015 USDA, APHIS WS	6100028522		GOOSE MANAGEMENT	
		YTD Amount: 3,336.94				

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73466	3/25/2022	10015	USDA, APHIS WS	(Continued)		
				81084	Goose Management	
					01-24-157-5305	1,461.67
					Total :	1,461.67
73467	3/25/2022	01028	VAN'S LOCK SHOP, INC	125027	DUPLICATE KEYS FOR SIGN SHC	
	YTD Amount:	600.54				
				81151	DUPLICATE KEYS FOR SIGN SHC	
					03-13-143-5325	13.20
					Total :	13.20
73468	3/25/2022	14709	VECTOR SECURITY	866973	MONTHLY SECURITY & FIRE SYC	
	YTD Amount:	287.22				
				81208	Monthly security & fire system fees	
					01-24-155-5305	95.74
					Total :	95.74
73469	3/25/2022	00112	VERIZON	MARCH	TELEPHONE BILLINGS PUMP ST.	
	YTD Amount:	857.20				
					TELEPHONE BILLINGS pump stat	
					02-10-203-5307	77.28
					Total :	77.28
73470	3/25/2022	16354	VERIZON	FEBRUARY	TRANSFER STATION	
	YTD Amount:	160.07				
					SERVICE AT TRANSFER STATION	
					14-12-103-5305	52.94
					Total :	52.94
73471	3/25/2022	12843	VERIZON WIRELESS	FEBRUARY	MODEMS/POLICE CARS	
	YTD Amount:	3,361.73				



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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73471	3/25/2022	12843 VERIZON WIRELESS	(Continued)		MODEMS FOR POLICE CARS	
					01-04-055-5305	1,120.85
					Total :	1,120.85
73472	3/25/2022	12631 VILE, EILEEN	FEB		REIMBURSE RETIREES INSURANCE	
	YTD Amount:	180.62			REIMBURSE RETIREES INSURANCE	
					05-01-029-5102	90.31
					Total :	90.31
73473	3/25/2022	07500 VILE, SUSAN ELIZABETH	03/17/2022		TRANSCRIPTION/EDITING OF MINUTES	
	YTD Amount:	3,193.75			Transcription/Editing of minutes for	
					01-01-002-5305	213.75
			03142022		TRANSCRIPTION/EDITING OF MINUTES	
					Transcription/Editing of minutes for	
					01-01-002-5305	540.00
					Total :	753.75
73474	3/25/2022	16461 WEHRUNG'S LUMBER & HOME CENTER	79910		FINANCE OFFICE RENOVATIONS	
	YTD Amount:	1,745.67			FINANCE OFFICE RENOVATIONS	
				81187	07-01-500-7551	1,745.67
					Total :	1,745.67
73475	3/25/2022	01922 WERTHEIMER, BARBARA M.	ZHB		ZHB MINUTES	
	YTD Amount:	150.00			ZHB MINUTES	
					01-06-087-5030	75.00
					Total :	75.00

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Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
73476	3/25/2022	00998	WITMER PUBLIC SAFETY GROUP INC	inv836	2 - REPLACEMENT BATTERY PAC	
	YTD Amount:	4,393.99				
				80868	2 - REPLACEMENT BATTERY PAC	
					02-10-205-5321	355.00
					Total :	355.00
108 Vouchers for bank code : ap2						Bank total : 100,697.14
108 Vouchers in this report						Total vouchers : 100,697.14