ABINGTON TOWNSHIP

NOVEMBER 10, 2022

BOARD OF COMMISSIONERS
REGULAR PUBLIC MEETING

TOWNSHIP OF ABINGTON

BOARD OF COMMISSIONERS REGULAR PUBLIC MEETING

A G E N D A
November 10, 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.

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 October 13, 2022.

b. BOC-01-111022 Motion to approve the release of escrow #2 for LD-19-08, Galman Residential, in the amount of $199,237.50.

c. BOC-02-111022 Motion to approve the final escrow release for Abington-Jefferson Health Woodland Road Parking Garage, in the amount of $32,780.55.

d. BOC-03-111022 Motion to approve the release of escrow #2 for SD 20-02, 1231

Susquehanna Road, in the amount of $144,746.00.

e. BOC-04-111022 Motion to authorize the Township Manager to execute an Amendment to the Funding Agreement for the Township's 2018 Automated Red Light Enforcement Program (ARLE) grant as outlined in Resolution 22-027.

UNFINISHED BUSINESS

NEW BUSINESS

a BOC-05-111022 Public Hearing and consider adopting Ordinance 2199 a Zoning Text Amendment to create the AR - Age-Restricted Carriage Home Overlay District and a Zoning Map Amendment to rezone certain parcels on the northeast side of Fox Chase Road as AR - Age-Restricted Carriage Home overlay.

b. BOC-06-111022 Motion to adopt the Fiscal Year 2023 Preliminary Budget as the Proposed Fiscal Year 2023 Budget.

c. BOC-07-111022 Motion to award the Abington Township Building HVAC Upgrade to Clipper Pipe & Service Inc. in the amount of $1,371,000.00 and the Electric Upgrade Supporting the HVAC upgrade to Electri-Tech Inc. in the amount of $202,460.00 and authorize the Township Manager to execute the contract.

d. BOC-08-111022 Motion to approve the settlement agreement between Comcast Cable Communications Management, LLC and the Township of Abington.

e. BOC-09-111022 Motion to advertise a Traffic Safety Ordinance amending Chapter 156 - "Vehicles and Traffic," Article VIII - "Residential Parking Permits," Section 58 - "Issuance and Renewal of Parking Permits," Section 59 - "Parking Permit Fee," and Section 64 - "Parking Permit Areas" to add parking permit applications are to be submitted to the Police Department of the Township of Abington, no more than three (3) residential parking permits shall be issued to residents or quests at one postal address, parking permits will be in the form of a window cling to be placed in the back window shield, the cost of the initial permit will be $8.50 and the renewal fee will be $7.50 and parking permit areas will be referred to by zones.

f. BOC-10-111022 Review and approve the minor Land Development application, LD-22-04 - 521 Moredon Road (Solar Array Panel).

FINANCE COMMITTEE

a. Receive Treasurer's Report: Township Treasurer, Jay W. Blumenthal

b. FC-01-111022 Motion to approve the September 2022 expenditures in the amount of $2,817,182.22 and salaries and wages in the amount of $2,132,472.36, and authorizing the proper officials to sign vouchers in payment of bills and contracts as they mature through the month of December 2022.

(Motion and Roll Call)

c. FC-02-111022 Motion to select Barbacane, Thornton & Company to act as Township's independent auditors for calendar years ending December 31, 2022, 2023 and 2024 and authorize the President and Township Manager to execute any appropriate agreements.

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, October 13, 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 ROTHMAN, DiPLACIDO, VAUGHN, WINEGRAD, HENRY, ZAPPONE, SPIEGELMAN, BOLE, SCHREIBER, BOWMAN, VAHEY, HECKER
Excused: Commissioners BRODSKY, THOMPSON, CARSWELL

Also Present: Township Manager MANFREDI
Assistant Legal Counsel GALLAGHER

PLEDGE OF ALLEGIANCE

BOARD PRESIDENT ANNOUNCEMENTS:

President Hecker announced that Abington Township was named by Money Magazine to be one of the top 50 places to live in the United States ranking 24th on the list. It is a testament to the hardworking staff who work closely with the Board of Commissioners to ensure that we provide high-quality of life for residents, and he thanked them for it.

PUBLIC COMMENT ON AGENDA ITEMS:

Adele Kubel, resident, expressed concern about "blight and unsafe conditions in Abington and residents want maintenance to be a top priority;" also, about "over crowdedness with more and more land development, and Briar Bush Nature Center has become a shadow of itself."

Joe Rooney, resident, expressed concern about the public comment policy.

Ryan Valderrama, 2321 Tague Avenue, said regarding the agenda item of parking on Tague, the proposal is for two (2) hour parking for the first five houses, and he deals with Enterprise daily about their customers parking on his street taking up public parking space.

CONSENT AGENDA:

President Hecker announced that Item c. – BOC-02-101322 as listed under the Consent Agenda will be moved to New Business and will be discussed at that time.

Vice President Vahey made a MOTION, seconded by Commissioner Spiegelman to approve Items a. b. d. e. f. as listed under Consent Agenda as follows:

To approve the minutes from the Board of Commissioners Regular Meeting of September 8, 2022.

To award the Abington Township 2023 calendar printing bid to the Homer Group in the amount of $32,000.00 to print 22,000 Township calendars.

To advertise a Traffic Safety Ordinance amending Chapter 156 – "Vehicles and Traffic," Article II – "Traffic Regulations," Section 14 – "Stop Intersections, 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" and Section 28 – "Special Purpose Parking Zones" to add a "Stop" sign on Glen Road at Harte Road, "No Parking Here to Corner" on Miriam Avenue at Birchwood Avenue, 2-Hour Parking on the north side of Tague Avenue between 2315 and 2327 and to add "Handicapped Parking" signs on Tulpehocken Avenue in front of 204 Tulpehocken and Tyson Avenue on front of 820 Tyson Avenue.

To approve escrow release request #2 for LD-16-06, 1235 Meinel Road Subdivision in the amount of $354,681.14.

To approve escrow release request #1 for SD-20-02, 1231 Susquehanna Road Subdivision in the amount of $178,401.00.

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

MOTION was ADOPTED 12-0.

UNFINISHED BUSINESS: None.

NEW BUSINESS:

Item BOC-02-101322:

Vice President Vahey made a MOTION, seconded by Commissioner Rothman to award a contract to G&B Construction to complete the CDBG-funded Old Welsh Road Sidewalk Improvement Project in the amount o $350,000.

Solicitor Gallagher explained that this afternoon the lowest responsible bidder indicated they would not be able to complete the project within the 90-day timeframe, so they requested an extension of time for completion of the project to be in the spring. The Board has a few options in which to proceed such as grant the extension as requested by the low bidder, reject the bids, and rebid the project or proceed with notice of intent to award without the extension and require the low bidder to execute the contact as set forth in the bid documents.

President Hecker asked for any comments from Commissioners.

Vice President Vahey asked for the number of bids received for the project and the amounts.

Ms. Gallagher replied there were four bids. The lowest bid was $349,963.50 and the next lowest bid was $406,806.00.

Vice President Vahey recommended granting the extension.

Commissioner Winegrad clarified that the Board could decide to go with the next lowest bidder. Is that correct?

Ms. Gallagher replied that the Board could issue intent to award to the lowest bidder, and if they refuse to sign, then the Township could proceed to move against the bid bond submitted and simultaneously award to the next lowest bidder.

Commissioner Winegrad said he would be inclined to allow the extension.

Commissioner Vaughn questioned whether they provided a reason why they cannot get it done within 90-days.

Ms. Gallagher replied she believes it has to do with other projects taking longer than anticipated between the time the bid was submitted and now.

Commissioner Vaughn clarified that if the Township awards to the next bidder they would not be able to get it done within that 90-day timeframe. Is that correct?

Ms. Gallagher replied they would have 90-days from the date the contract is signed. Also, if the Board decides to grant the extension, it will not put the Township in jeopardy of losing any funding due to grant timelines.

Vice President Vahey asked how long will the extension be?

Ms. Gallagher replied until the end of May.

Commissioner Schreiber questioned whether the same price is guaranteed.

Ms. Gallagher replied yes, the price will be the same.

Commissioner Bowman said he supports the extension as well.

Commissioner Spiegelman said he is also in favor of granting the extension and would like the contactor to begin earlier in the spring due to the weather for this type of work.

President Hecker asked for confirmation on the ward this project is located.

Ms. Kim Hamm, Director of Community Development, replied Ward 5. The contractor provided notification this afternoon that they would not be able to meet the deadlines set forth in the contract. They expect to begin work in March 2023, and the request for extension is due to the rainy weather this fall, and they do not want to start work and have open sidewalks all winter causing a safety hazard.

Commissioner Vaughn said she is not comfortable with this as it has been an ongoing issue for a while. They indicated they cannot get to it due to other projects and whose to say that will not happen again in March, so she is not o.k. with it.

Manager Manfredi clarified that the extension would not cause any difficulties with respect to the timeliness of the program. Is that correct?

Ms. Hamm replied that is correct. There would be no negative impact on CDBG compliance including timeliness.

Commissioner Schreiber clarified that we have not spoken with the second lowest bidder. Is that correct?

Ms. Gallagher replied that is correct.

Mr. Hassan, Township Engineer, recommended that the Board grant the extension as the amount of time that it will take for the second lowest bidder to meet the contract requirements will be too late. He is familiar with G&B, and they are a reputable contractor who can do the job properly.

Vice President Vahey made a MOTION to AMEND the MOTION to award the contract to G&B Construction to complete the CDBG-funded Old Welsh Road Sidewalk Improvement Project in the amount of $350,000 and grant an extension for completion through the end of May 2023, seconded by Commissioner Rothman.

MOTION as AMENDED – PASSED 11-1. Commissioner Vaughn opposed.

Item BOC-06-101322:

Vice President Vahey made a MOTION, seconded by Commissioner Rothman to advertise an ordinance for a Zoning Text Amendment to create the AR-Age-Restricted Carriage Home Overlay District and a Zoning Map Amendment to rezone certain parcels on the northeast side of Fox Chase Road as AR – Age-Restricted Carriage Home Overlay.

President Hecker asked for any comments from Commissioners.

Commissioner Rothman asked about the process going forward if this is approved.

Manager Manfredi explained that the text and map amendments would give the property owner the ability to begin working on land development plans that would go through the entire SALDO process including review by the Planning Commission as well as all other agencies ultimately coming back before the Board of Commissioners for consideration.

Commissioner Rothman added that this is another step in the process prior to any formal submissions that would address concerns previously discussed regarding the St. Basil's property.

MOTION was ADOPTED 12-0.

Item BOC-07-101322:

Vice President Vahey made a MOTION, seconded by Commissioner Spiegelman to appoint candidates ranked 1, 2, 3, 4 and 5 from the Civil Service Eligibility List to the position of Probationary Police Officer provided they successfully complete the background investigation, physical and psychological exams and all entry requirements of the Municipal Police Officer's Education and Training Commission for Act 120 Training effective October 31, 2022.

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

MOTION was ADOPTED 12-0.

Item BOC-08-101322:

Vice President Vahey made a MOTION, seconded by Commissioner Bole to grant amended final subdivision approval for 629 Roslyn Avenue, such that the following additional waivers are granted with respect to newly created Lot 2, also known as 625 Roslyn Avenue, Tax Map Parcel Number 30-00-59356-01-4, subject to the conditions set forth in the Executive Summary:

1. Section 146-27A – Sidewalks
2. Section 146-27F – Curbs

President Hecker asked for any comments from Commissioners.

Commissioner Bole said back in March 2019, the resident subdivided a property and built a home, and at that time, it was required to install sidewalks and curbing and now the time has come to complete the project.

After review of the Township's Stormwater Management Plan as well as the grading of the property, it makes sense not to require the resident to install the curbing and sidewalk as it would be the only one on this portion of the block.

However, going forward, if it is required by future stormwater management plans, then this resident or whoever assumes ownership of the property would be required to install sidewalks and curbing. So, the plan is to return approximately $14,000 in escrow to the resident and not require them to install curbing and sidewalks currently. He asked for the support from his fellow Board members.

MOTION was ADOPTED 12-0.

Item BOC-09-131022:

Vice President Vahey made a MOTION, seconded by Commissioner Spiegelman to adopt Ordinance No. 2197 amending the Code of the Township of Abington at Part II [General Legislation], Chapter 146 [Subdivision and Land Development], by amending and restating Article III [Plan Application Requirements] and Article IV [Plan Review Procedures] and adding Article VIII [Waiver of Land Development] to create additional exemptions of the land development process, to create a process for notification of property owners and residents regarding the review of land development applications by the Planning Commission, and to create a process for a waiver of land development.

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

MOTION was ADOPTED 12-0.

Item BOC-10-101322:

Vice President Vahey made a MOTION, seconded by Commissioner Rothman to adopt the substantial amendments to the 2015, 2017, 2018, 2019, 2020 and 2021 CDBG Annual Action Plans as presented at the July 14, 2022 Board of Commissioners Meeting.

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

MOTION was ADOPTED 12-0.

Item BOC-11-101322:

Vice President Vahey made a MOTION, seconded by Commissioner Spiegelman to reject the 2022 Recycling Services Paper Hauling, Processing, and Marketing bid submitted by Newman and Co. on September 19, 2022, and authorize the Township to participate in the Montgomery County Recycling Consortium pending Consortium approval.

President Hecker asked for any comments from Commissioners.

Commissioner Winegrad asked for further explanation.

Mr. Mike Jones, Director of Public Works, explained that the bids were sent out in September and only Newman Paper Company submitted a bid that was extremely lower than expected, so therefore we recommend rejecting it. In looking at the consortium, there would be a much higher value to take the Township's paper and cardboard to Republic as opposed to Newman.

Commissioner Schreiber questioned whether there will be any lag time between contracts.

Mr. Jones replied that it will be a smooth transition. We are currently working with Republic in hauling commingled plastics to them.

Vice President Vahey said if we are to work with the consortium on recycling paper, he sees no reason to continue separating it from commingled recycling, and he asked Mr. Jones and Manager Manfredi to consider how we can make the process of sorting recycling easier and more convenient for residents.

Manager Manfredi replied we will look into it.

MOTION was ADOPTED 12-0.

FINANCE COMMITTEE:

Receive Treasurer's Report:

Township Treasurer Jay W. Blumenthal reported that real estate taxes collected in September 2022 totaled $26,979 with 97% collected, 3% remaining. Monies received from various departments deposited into Republic Bank in September 2022 totaled $4,862,882; YTD $74,015,069.

Item FC-01-101322:

Commissioner Winegrad made a MOTION, seconded by Commissioner Rothman to approve the August 2022 expenditures in the amount of $2,286,452.23 and salaries and wages in the amount of $2,155,850.92, and authorize the proper officials to sign vouchers in payment of bills and contracts as they mature through the month of November 2022.

Roll call resulted in motion being passed 12-0. Commissioners Brodsky, Thompson and Carswell were absent during roll call.

Item FC-02-101322:

Commissioner Winegrad made a MOTION, seconded by Commissioner Spiegelman to select The Hartford as the Life and Disability Insurance provider for the Township effective November 1, 2022.

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

MOTION was ADOPTED 12-0.

PUBLIC COMMENT:

Adele Kubel,1848 Ambler Road, expressed concern about "rapid land development and commercial blight." Also, she asked not to "destroy" resident's ability to use Zoom to attend these meetings.

Deb Burns, Guernsey Avenue, expressed concern about not being notified about the plans for Susquehanna and Old York Road intersection and about traffic issues on her street.

President Hecker replied that he will follow up on it.

Joe Rooney, resident, expressed concern about the public comment policy.

Trevor Lee, 1601 Upland Avenue, requested that the Township begin exploring enacting the vision of a park from the Noble TOD Plan, and it would be nice if the parking lot had a green-planted buffer to create a better threshold between the neighborhood and the station, and it would be a tremendous asset for children.

Nora Salzman, 1627 Upland Avenue, expressed her support for increased walkability and bicycling in the Township that could be done by making the corridor down Rydal to The Fairway have a sidewalk as well as other improvements for recreation.

Ross Abel, Upland Avenue, commented that he also supports the TOD regarding green space at Noble Station and he would like to see that connection enacted.

Also, he asked for an update to the Master Bicycle Plan to get more protection for cyclists as well as the Township's ADU (Accessible Dwelling Unit) code to provide flexibility for homeowners to be able to use it as an income stream or house aging family members.

Lora Lehmann, resident, commented that Zoom is important so everyone can attend the meetings. She expressed concern about "turning shopping centers into apartment complexes and train station neighborhoods into triplexes and duplexes."

Hammam Aldouri, Upland Avenue, commented that he recently learned there was a public park for pedestrians and cyclists that ran along the railroad tracks from Noble to Easton Road, and he asked whether the Township is planning on reconsidering that pedestrian and cycle pathway, which would be a fabulous addition to the neighborhood fostering a strong relationship between the two areas. Also, Zoom would be greatly beneficial to the democratic nature and health of the Township if it continues to be used.

President Hecker clarified that there is no intent on the part of the Board to do away with the virtual participation option for residents.

Eric Kerchner, 1618 Upland Avenue, expressed his interest in moving forward with the plan for green space at Noble Station, which would be a great improvement to the neighborhood. He appreciates everything the Board does for the community, and he is happy to be able to call into these meetings via Zoom.

Commissioner Winegrad asked residents of Upland Avenue to get in touch with him as he would like to explore their ideas in further detail.

ADJOURNMENT: 8:03 p.m.

Respectfully submitted,

Liz Vile, Minutes Secretary

Ordinance No. 2197 was adopted by the Board of Commissioners on October 13, 2022.

BOARD OF COMMISSIONERS REGULAR PUBLIC MEETING

AGENDA ITEM

November 10, 2022	BOC-01-111022	FISCAL IMPACT
DATE	*AGENDA ITEM NUMBER*	Cost > $10,000
		Yes ☐ No ☑
Administration		PUBLIC BID REQUIRED
DEPARTMENT		Cost > $20,100
		Yes ☐ No ☑

AGENDA ITEM:

LD-19-08 Galman Residential Escrow Release

EXECUTIVE SUMMARY:

The Land Development project work has been satisfactorily completed and the developer is requesting a reduction of escrow funds as stated in the attached letter.

PREVIOUS BOARD ACTIONS:

Land Development application was approved by the Board of Commissioners onAugust 8, 2019.

RECOMMENDED BOARD ACTIONS:

Motion to approve the release of escrow #2 for LD-19-08, Galman Residential, in the amount of $199,237.50.

3100 Horizon Drive
Suite 200
King of Prussia, PA 19406
T: 610-277-2402
F: 610-277-7449

www.pennoni.com

October 6, 2022

ABINT1600.08

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

RE: LD-19-08 – Galman Residential
Escrow Release #2

Dear Mr. Manfredi,

We have received an escrow release request dated and received on September 13, 2022 for a reduction of escrow funds relating to the above referenced project. A fully executed copy of the land development agreement was received from the Township on October 5, 2022.

Under this Land Development application, the Applicant is proposing to construct a four (4) story 104 dwelling unit apartment building on an existing 3.65-acre lot. Along with this proposed land development, 147 parking spaces will be constructed as well as other improvements such as parking, lighting, landscaping, and storm sewers. This site is located within the BC Business Center Zoning District. Access to and from the site will be by way of four (4) new curb cuts along Spine Road.

Based on our field visit on September 14, 2022 completed and correspondences with the Applicant, we recommend the following release:

Original Construction Escrow Total	$ 1,488,347.85
Construction Escrow Released Prior to this Request	$ 334,916.40
Balance Prior to This Release	$1,153,431.45
Recommended Amount This Release	**$ 199,237.50**
Total Construction Escrow Balance Remaining After This Release	$ 954,193.95

Enclosed, you will find the Summary of Construction Cost Breakdown. Please review and process for release. Should you have any questions, please feel free to contact me at (610) 422-2499.

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

LD-19-08 - Galman Residential Apartments
Abington Township, Montgomery County, Pennsylvania

RELEASE NO.: 2
REQUEST DATE: 9/13/2022
REVISED DATE:

CONSTRUCTION TOTAL: $ 1,294,215.52
10% CONTINGENCY: $ 129,421.55
5% INSPECTION AND ADMIN.: $ 64,710.78
ESCROW TOTAL: $ 1,488,347.85

ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST	Release 2 QUANTITY	COST	Release 1 QUANTITY	COST	RELEASED TO DATE (INCL. CURRENT RELEASE) QUANTITY	RELEASED TO DATE (INCL. CURRENT RELEASE) COST	ESCROW REMAINING QUANTITY	ESCROW REMAINING COST	PERCENT COMPLETE
SITE CLEARING													
Tree Removal	16	EA	$ 300.00	$ 4,800.00	-	$ -	16	$ 4,800.00	16	$ 4,800.00	-	$ -	100%
			Subtotal:	**$ 4,800.00**		**$ -**		**$ 4,800.00**		**$ 4,800.00**		**$ -**	100%
SITE DEMOLITION													
Curb Removal	1,410	LF	$ 5.00	$ 7,050.00	-	$ -	1,410	$ 7,050.00	1,410	$ 7,050.00	-	$ -	100%
Pavement Removal	2,300	SY	$ 4.00	$ 9,200.00	-	$ -	2,300	$ 9,200.00	2,300	$ 9,200.00	-	$ -	100%
Area Light Removal	2	EA	$ 500.00	$ 1,000.00	-	$ -	2	$ 1,000.00	2	$ 1,000.00	-	$ -	100%
			Subtotal:	**$ 17,250.00**		**$ -**		**$ 17,250.00**		**$ 17,250.00**		**$ -**	100%
SOIL EROSION & SED. CONTROL													
Erosion Control Matting	2,180	SY	$ 2.00	$ 4,360.00	-	$ -	2,180	$ 4,360.00	2,180	$ 4,360.00	-	$ -	100%
Compost Filter Sock	920	LF	$ 3.50	$ 3,220.00	-	$ -	920	$ 3,220.00	920	$ 3,220.00	-	$ -	100%
Temporary seeding	47,700	SF	$ 0.08	$ 3,816.00	-	$ -	47,700	$ 3,816.00	47,700	$ 3,816.00	-	$ -	100%
Tree Protection Fence	580	LF	$ 4.50	$ 2,610.00	-	$ -	580	$ 2,610.00	580	$ 2,610.00	-	$ -	100%
Inlet Protection	20	EA	$ 150.00	$ 3,000.00	-	$ -	20	$ 3,000.00	20	$ 3,000.00	-	$ -	100%
Construction Entrance	2	EA	$ 2,500.00	$ 5,000.00	-	$ -	2	$ 5,000.00	2	$ 5,000.00	-	$ -	100%
			Subtotal:	**$ 22,006.00**		**$ -**		**$ 22,006.00**		**$ 22,006.00**		**$ -**	100%
			DEMOLITION AND SITE CLEARANCE TOTALS:	**$ 44,056.00**		**$ -**		**$ 44,056.00**		**$ 44,056.00**		**$ -**	100%
FINAL GRADING													
Grading @ Buildings & sidewalks	50,851	SF	$ 0.12	$ 6,102.12		$ -		$ -	-	$ -	50,851	$ 6,102.12	0%
Grading @ Pavement	60,455	SF	$ 0.10	$ 6,045.50		$ -		$ -	-	$ -	60,455	$ 6,045.50	0%
Grading @ Landscape areas	47,700	SF	$ 0.10	$ 4,770.00		$ -		$ -	-	$ -	47,700	$ 4,770.00	0%
			Subtotal:	**$ 16,917.62**		**$ -**		**$ -**		**$ -**		**$ 16,917.62**	0%
EARTHWORK													
Strip topsoil	700	CY	$ 3.50	$ 2,450.00	-	$ -	700	$ 2,450.00	700	$ 2,450.00	-	$ -	100%
Respread topsoil (with stockpiled topsoil)	700	CY	$ 5.00	$ 3,500.00	-	$ -	700	$ 3,500.00	700	$ 3,500.00	-	$ -	100%
Cut to fill (no rock) (0 - 5,000 CY)	8,000	CY	$ 10.00	$ 80,000.00	-	$ -	8,000	$ 80,000.00	8,000	$ 80,000.00	-	$ -	100%
Export fill	3,265	CY	$ 20.00	$ 65,300.00	-	$ -	3,265	$ 65,300.00	3,265	$ 65,300.00	-	$ -	100%
			Subtotal:	**$ 151,250.00**		**$ -**		**$ 151,250.00**		**$ 151,250.00**		**$ -**	100%
			CUT AND FILL TOTALS:	**$ 168,167.62**		**$ -**		**$ 151,250.00**		**$ 151,250.00**		**$ 16,917.62**	90%
SITE WORK													
Concrete Curb (6" Reveal)	2,515	LF	$ 18.00	$ 45,270.00		$ -		$ -	-	$ -	2,515	$ 45,270.00	0%
Standard Duty Asphalt	2,700	SY	$ 32.00	$ 86,400.00		$ -		$ -	-	$ -	2,700	$ 86,400.00	0%
Heavy Duty Asphalt	3,950	SY	$ 36.00	$ 142,200.00		$ -		$ -	-	$ -	3,950	$ 142,200.00	0%
Concrete Paving	2,275	SY	$ 30.00	$ 68,250.00		$ -		$ -	-	$ -	2,275	$ 68,250.00	0%
Concrete Bollards	7	EA	$ 350.00	$ 2,450.00		$ -		$ -	-	$ -	7	$ 2,450.00	0%
4" Concrete sidewalk	7,685	SF	$ 15.00	$ 115,275.00		$ -		$ -	-	$ -	7,685	$ 115,275.00	0%
Brick Paver Sidewalk (over stone)	2,520	SF	$ 8.00	$ 20,160.00		$ -		$ -	-	$ -	2,520	$ 20,160.00	0%
4' High Galvanized Chainlink Fence	200	LF	$ 32.00	$ 6,400.00		$ -		$ -	-	$ -	200	$ 6,400.00	0%
Bike Rack	2	EA	$ 750.00	$ 1,500.00		$ -		$ -	-	$ -	2	$ 1,500.00	0%
			Subtotal:	**$ 487,905.00**		**$ -**		**$ -**		**$ -**		**$ 487,905.00**	0%
			SITE WORK TOTAL:	**$ 487,905.00**		**$ -**		**$ -**		**$ -**		**$ 487,905.00**	0%
STRIPING & SIGNAGE													
4" Wide Thermoplastic Striping	2,664	LF	$ 0.85	$ 2,264.40		$ -		$ -	-	$ -	2,664	$ 2,264.40	0%
Painted Directional Arrows	16	EA	$ 100.00	$ 1,600.00		$ -		$ -	-	$ -	16	$ 1,600.00	0%
Painted Stop Bars	3	EA	$ 100.00	$ 300.00		$ -		$ -	-	$ -	3	$ 300.00	0%
Painted Handicap Symbols	6	EA	$ 50.00	$ 300.00		$ -		$ -	-	$ -	6	$ 300.00	0%
Handicap Parking Signs	6	EA	$ 150.00	$ 900.00		$ -		$ -	-	$ -	6	$ 900.00	0%
Traffic Control Signs	24	EA	$ 150.00	$ 3,600.00		$ -		$ -	-	$ -	24	$ 3,600.00	0%
			Subtotal:	**$ 8,964.40**		**$ -**		**$ -**		**$ -**		**$ 8,964.40**	0%
			STRIPING & SIGNAGE:	**$ 8,964.40**		**$ -**		**$ -**		**$ -**		**$ 8,964.40**	0%

LD-19-08 - Galman Residential Apartments
Abington Township, Montgomery County, Pennsylvania

RELEASE NO.: 2
REQUEST DATE: 9/13/2022
REVISED DATE:

CONSTRUCTION TOTAL: $ 1,294,215.52
10% CONTINGENCY: $ 129,421.55
5% INSPECTION AND ADMIN.: $ 64,710.78
ESCROW TOTAL: $ 1,488,347.85

ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST	Release 2 QUANTITY	COST	Release 1 QUANTITY	COST	RELEASED TO DATE (INCL. CURRENT RELEASE) QUANTITY	RELEASED TO DATE (INCL. CURRENT RELEASE) COST	ESCROW REMAINING QUANTITY	ESCROW REMAINING COST	PERCENT COMPLETE
STORM DRAINAGE													
18" HDPE	1,592	LF	$ 30.00	$ 47,760.00	1,433	$ 42,990.00	159	$ 4,770.00	1,592	$ 47,760.00	-	$ -	100%
Manholes	11	EA	$ 3,500.00	$ 38,500.00	4	$ 14,000.00	7	$ 24,500.00	11	$ 38,500.00	-	$ -	100%
C Inlets	9	EA	$ 2,000.00	$ 18,000.00	5	$ 10,000.00	3	$ 6,000.00	8	$ 16,000.00	1	$ 2,000.00	89%
M Inlet	6	EA	$ 2,000.00	$ 12,000.00	5	$ 10,000.00		$ -	5	$ 10,000.00	1	$ 2,000.00	83%
Trench drain (8" Concrete)	88	LF	$ 170.00	$ 14,960.00	88	$ 14,960.00		$ -	88	$ 14,960.00	-	$ -	100%
Cleanout	3	EA	$ 300.00	$ 900.00	2	$ 600.00		$ -	2	$ 600.00	1	$ 300.00	67%
Outlet structure w/ trash racks	2	EA	$ 6,000.00	$ 12,000.00	1	$ 6,000.00		$ -	1	$ 6,000.00	1	$ 6,000.00	50%
18" Concrete Headwall (includes walls & footing)	1	EA	$ 2,400.00	$ 2,400.00	1	$ 1,200.00		$ -	1	$ 1,200.00	1	$ 1,200.00	50%
Rain Garden	1	EA	$ 15,000.00	$ 15,000.00	-	$ -	1	$ 7,500.00	1	$ 7,500.00	1	$ 7,500.00	50%
Underground Stormwater Detention Basin	1	EA	$ 60,000.00	$ 60,000.00	-	$ -	1	$ 30,000.00	1	$ 30,000.00	1	$ 30,000.00	50%
Underground Stormwater Infiltration Basin	1	EA	$ 75,000.00	$ 75,000.00	1	$ 75,000.00		$ -	1	$ 75,000.00	-	$ -	100%
Jellyfish Structure	1	EA	$ 25,000.00	$ 25,000.00	1	$ 15,000.00		$ -	1	$ 15,000.00	0	$ 10,000.00	60%
Connection to existing manhole/main	1	EA	$ 4,000.00	$ 4,000.00	-	$ -	1	$ 4,000.00	1	$ 4,000.00	-	$ -	100%
			Subtotal:	**$ 325,520.00**		**$ 189,750.00**		**$ 76,770.00**		**$ 266,520.00**		**$ 59,000.00**	82%
			STORMWATER MANAGEMENT TOTAL:	**$ 325,520.00**		**$ 189,750.00**		**$ 76,770.00**		**$ 266,520.00**		**$ 59,000.00**	82%
SANITARY													
8" PVC (SDR 35) (0-8' deep)	932	LF	$ 31.00	$ 28,892.00	-	$ -	932	$ 28,892.00	932	$ 28,892.00	-	$ -	100%
4' Diameter Manhole (8'-12' deep)	5	EA	$ 2,800.00	$ 14,000.00	-	$ -	5	$ 14,000.00	5	$ 14,000.00	-	$ -	100%
Connection to existing manhole/main	1	EA	$ 4,000.00	$ 4,000.00	-	$ -	1	$ 4,000.00	1	$ 4,000.00	-	$ -	100%
			Subtotal:	**$ 46,892.00**		$ -		**$ 46,892.00**		**$ 46,892.00**		$ -	100%
			STANDARD (WATER, SANITARY) TOTAL:	**$ 46,892.00**		$ -		**$ 46,892.00**		**$ 46,892.00**		$ -	100%
LANDSCAPING													
Shade Tree, (2 1/2" - 3" caliper)	48	EA	$ 435.00	$ 20,880.00		$ -		$ -	-	$ -	48	$ 20,880.00	0%
Evergreen Tree, (6' - 7')	58	EA	$ 400.00	$ 23,200.00		$ -		$ -	-	$ -	58	$ 23,200.00	0%
Ornamental Tree (2" - 2 1/2" caliper)	30	EA	$ 300.00	$ 9,000.00		$ -		$ -	-	$ -	30	$ 9,000.00	0%
Evergreen Shrubs (24" - 30")	98	EA	$ 60.00	$ 5,880.00		$ -		$ -	-	$ -	98	$ 5,880.00	0%
Evergreen Tree, (20')	24	EA	$ 2,800.00	$ 67,200.00		$ -		$ -	-	$ -	24	$ 67,200.00	0%
Deciduous Shrubs (18" - 24")	80	EA	$ 75.00	$ 6,000.00		$ -		$ -	-	$ -	80	$ 6,000.00	0%
Groundcover Shrubs (15" - 18" spread)	261	EA	$ 75.00	$ 19,575.00		$ -		$ -	-	$ -	261	$ 19,575.00	0%
Perennials	24	GAL.	$ 12.00	$ 288.00		$ -		$ -	-	$ -	24	$ 288.00	0%
Ornamental grasses	231	GAL.	$ 12.50	$ 2,887.50		$ -		$ -	-	$ -	231	$ 2,887.50	0%
			Subtotal:	**$ 154,910.50**		$ -		$ -		$ -		**$154,910.50**	0%
			LANDSCAPING TOTAL:	**$ 154,910.50**		$ -		$ -		$ -		**$154,910.50**	0%
LIGHTING													
Site Area Light	11	EA	$ 5,000.00	$ 55,000.00		$ -		$ -	-	$ -	11	$ 55,000.00	0%
Wall Mounted Light	4	EA	$ 700.00	$ 2,800.00		$ -		$ -	-	$ -	4	$ 2,800.00	0%
			Subtotal:	**$ 57,800.00**		$ -		$ -		$ -		**$57,800.00**	0%
			LIGHTING TOTAL:	**$ 57,800.00**		$ -		$ -		$ -		**$57,800.00**	0%
			SUBTOTAL:	**$ 1,294,215.52**		**$ 189,750.00**		**$ 318,968.00**		**$ 508,718.00**		**$ 785,497.52**	39%
			10% CONTINGENCY:	**$ 129,421.55**						$ -		**$ 129,421.55**	0%
			5% INSPECTION AND ADMINISTRATION:	**$ 64,710.78**		**$ 9,487.50**		**$ 15,948.40**		**$ 25,435.90**		**$ 39,274.88**	39%
			GRAND TOTAL ESCROWED:	**$ 1,488,347.85**		**$ 199,237.50**		**$ 334,916.40**		**$ 534,153.90**		**$ 954,193.95**	36%

BOARD OF COMMISSIONERS REGULAR PUBLIC MEETING

AGENDA ITEM

November 10, 2022	BOC-02-111022	FISCAL IMPACT
DATE	*AGENDA ITEM NUMBER*	Cost > $10,000
		Yes ☐ No ☑
Administration		PUBLIC BID REQUIRED
DEPARTMENT		Cost > $20,100
		Yes ☐ No ☑

AGENDA ITEM:

Abington-Jefferson Health Woodland Parking Garage Escrow Release No 2

EXECUTIVE SUMMARY:

The Land Development project work has been satisfactorily completed and the developer is requesting a final release of escrow funds as stated in the attached letter.

PREVIOUS BOARD ACTIONS:

Land Development application was approved by the Board of Commissioners on September 12, 2019.

RECOMMENDED BOARD ACTIONS:

Motion to approve the final escrow release for Abington-Jefferson Health Woodland Road Parking Garage, in the amount of $32,780.55.

October 25, 2022

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

Subject: Abington Memorial Hospital
Woodland Road Parking Garage

Reference: Site Work: Final Escrow Release Request No. 2
Abington Project No. 1926008R

Dear Mr. Manfredi:

This project consisted of the replacement of the existing parking garage located at the intersection of Highland Avenue and Woodland Road. The applicant, Abington-Jefferson Health proposed to replace the existing structure with a new 20,280± sf parking garage and to provide the supporting infrastructure.

The following is the project timeline:

- Planning Commission Approval: July 23, 2019
- Land Development Approval: September 12, 2019
- Executed Land Development Agreement: February 19, 2020
- Start of Construction: November 2020
- Garage Opened: May, 2021
- Partial Escrow Release #1 Approved: November 2021

As per the Township's request, we have reviewed the attached Escrow Release Request #2 Spreadsheet and offer the following items:

1) The amount of the initial escrow retained was $223,047.55. This included $202,770.50 worth of improvements and a ten percent contingency of $22,277.05. A Letter of Credit was issued by PNC Healthcare & Public Finance on January 15, 2020 to cover the site work/stormwater facilities escrow. The parking garage opened on May 1, 2021.

2) In November, 2021, the Board of Commissioners released $190,267.00 of the total amount of escrow. At that time new Letter of Credit was issued for $32,780.55 to cover any problems that might have arose with the new facilities.

3) The applicant is currently requesting a final release of $32,780.55, which reflects all escrow associated with this project.

4) On September 20, 2022 Atlas Technical performed a final inspection of the site work/stormwater facilities installed. The facilities have been constructed in accordance with the approved Land Development Plans, and no problems were identified. The new facility has been operation for a period of eighteen months and the stormwater facilities are functioning as designed.

Accordingly, Atlas Technical recommends that the site work and stormwater facilities, be accepted by the Township, and the requested escrow release of $32,780.55 be approved. If there are any questions, please do not hesitate to contact me at 484.612.6958.

Very truly yours,

Michael R. Filmyer, P.E.
Director of Engineering

MRF:sws
Attachment

ABINGTON HOSPITAL WOODLAND ROAD PARKING GARAGE
Abington Township, Montgomery County, PA
Construction Quantity Takeoffs & Cost Estimate
Date: November 18, 2019

Project No.: 1926008R
Release No.: 2.00
Release Date: Nov-22

AMOUNT ESCROWED **$ 223,047.55**

						REQUESTED RELEASE				RELEASED TO DATE			HELD FOR PUBLIC IMPROVEMENTS			REQUESTED RELEASE SEPT 2021	REQUESTED RELEASE SEPT 2021
	ITEM	QUANTITY	UNITS	UNIT COST	TOTAL COST	QUANTITY	COST	TOTAL	PERCENT COMPLETE	QUANTITY	COST	TOTAL	QUANTITY	COST	TOTAL		
I.	**EROSION AND SEDIMENTATION CONTROLS**																
A.	**Inlet Protection	9.00	EA	$ 150.00	$1,350.00	9.00	$150.00	$1,350.00	100.00%	0.00	$150.00	$0.00	0.00	$150.00	$0.00		
B.	Concrete Wash Out	1.00	EA	$ 500.00	$500.00	1.00	$500.00	$500.00	100.00%	0.00	$500.00	$0.00	0.00	$500.00	$0.00		
C.	Rock Construction Entrance	1.00	EA	$ 1,000.00	$1,000.00	1.00	$1,000.00	$1,000.00	100.00%	0.00	$1,000.00	$0.00	0.00	$1,000.00	$0.00		
D.	Erosion Control Matting	975.00	SF	$ 4.50	$4,387.50	975.00	$4.50	$4,387.50	100.00%	0.00	$4.50	$0.00	0.00	$4.50	$0.00		
E.	Construction Fence/ Tree Protection Fence	300.00	LF	$ 20.00	$6,000.00	300.00	$20.00	$6,000.00	100.00%	0.00	$20.00	$0.00	0.00	$20.00	$0.00		
F.	Compost Filter Sock	583.00	LF	$ 12.00	$6,996.00	583.00	$12.00	$6,996.00	100.00%	0.00	$12.00	$0.00	0.00	$12.00	$0.00		
G.	Temporary Chain Link Fence	545.00	LF	$ 15.00	$8,175.00	545.00	$15.00	$8,175.00	100.00%	0.00	$15.00	$0.00	0.00	$15.00	$0.00		
H.	Establish and Maintain Temporary Topsoil Stockpile	1.00	LS	$ 1,000.00	$1,000.00	1.00	$1,000.00	$1,000.00	100.00%	0.00	$1,000.00	$0.00	0.00	$1,000.00	$0.00		
				SUBTOTAL	**$29,408.50**	TOTAL REQUESTED		**$29,408.50**	100.00%	TO DATE RELEASED		**$0.00**	TO BE HELD		**$0.00**	**$29,408.00**	**$0.50**
II.	**DEMOLITION**																
A.	* Remove Existing Paved Driveway	1.00	LS	$ 6,300.00	$6,300.00	1.00	$6,300.00	$6,300.00	100.00%	0.00	$6,300.00	$0.00	0.00	$6,300.00	$0.00		
B.	* Remove Existing Curb and Sidewalk	1.00	LS	$ 5,750.00	$5,750.00	1.00	$5,750.00	$5,750.00	100.00%	0.00	$5,750.00	$0.00	0.00	$5,750.00	$0.00		
				SUBTOTAL	**$12,050.00**	TOTAL REQUESTED		**$12,050.00**	100.00%	TO DATE RELEASED		**$0.00**	TO BE HELD		**$0.00**	**$12,050.00**	**$0.00**
III.	**SITE GRADING AND EXCAVATION**																
A.	* Strip and Stockpile Topsoil	1250.00	SY	$ 1.20	$1,500.00	1250.00	$1.20	$1,500.00	100.00%	0.00	$ 1.20	$0.00	0.00	$1.20	$0.00		
B.	* Respread Topsoil, Grade, Seed, Mulch	1250.00	SY	$ 2.40	$3,000.00	1250.00	$2.40	$3,000.00	100.00%	0.00	$ 2.40	$0.00	0.00	$2.40	$0.00		
				SUBTOTAL	**$4,500.00**	TOTAL REQUESTED		**$4,500.00**	100.00%	TO DATE RELEASED		**$0.00**	TO BE HELD		**$0.00**	**$4,500.00**	**$0.00**
IV.	**STORMWATER MANAGEMENT**																
A.	Storm Inlet	3.00	EA	$ 3,000.00	$9,000.00	3.00	$3,000.00	$9,000.00	100.00%	0.00	$ 3,000.00	$0.00	0.00	$3,000.00	$0.00		
B.	Storm Manhole	2.00	EA	$ 3,000.00	$6,000.00	2.00	$3,000.00	$6,000.00	100.00%	0.00	$ 3,000.00	$0.00	0.00	$3,000.00	$0.00		
C.	Perforated HDPE Underdrain	83.00	LF	$ 40.00	$3,320.00	83.00	$40.00	$3,320.00	100.00%	0.00	$ 40.00	$0.00	0.00	$40.00	$0.00		
D.	** 12" x 18" Ellipse RCP	45.00	LF	$ 150.00	$6,750.00	45.00	$150.00	$6,750.00	100.00%	0.00	$ 150.00	$0.00	0.00	$150.00	$0.00		
E.	15" RCP	174.00	LF	$ 85.00	$14,790.00	174.00	$85.00	$14,790.00	100.00%	0.00	$ 85.00	$0.00	0.00	$85.00	$0.00		
F.	12" HDPE	10.00	LF	$ 80.00	$800.00	10.00	$80.00	$800.00	100.00%	0.00	$ 80.00	$0.00	0.00	$80.00	$0.00		
G.	* Reconstruct Existing Inlet	1.00	LS	$ 500.00	$500.00	1.00	$500.00	$500.00	100.00%	0.00	$ 500.00	$0.00	0.00	$500.00	$0.00		
H.	* Concrete Headwall	3.00	EA	$ 1,450.00	$4,350.00	3.00	$1,450.00	$4,350.00	100.00%	0.00	$ 1,450.00	$0.00	0.00	$1,450.00	$0.00		
I.	* R-3 Rock Riprap	1.00	LS	$ 600.00	$600.00	1.00	$600.00	$600.00	100.00%	0.00	$ 600.00	$0.00	0.00	$600.00	$0.00		
				SUBTOTAL	**$46,110.00**	TOTAL REQUESTED		**$46,110.00**	**100.00%**	TO DATE RELEASED		**$0.00**	TO BE HELD		**$0.00**	**$46,110.00**	**$0.00**
V.	**SITE CONSTRUCTION**																
A.	Site Concrete	84.00	SF	$ 4.50	$378.00	84.00	$4.50	$378.00	100.00%	0.00	$ 4.50	$0.00	0.00	$4.50	$0.00		
B.	** Concrete Sidewalk	1950.00	SF	$ 8.00	$15,600.00	600.00	$8.00	$4,800.00	30.77%	0.00	$ 8.00	$0.00	1350.00	$8.00	$10,800.00		
C.	** 8" Curb	255.00	LF	$ 20.00	$5,100.00	50.00	$20.00	$1,000.00	19.61%	0.00	$ 20.00	$0.00	205.00	$20.00	$4,100.00		
D.	Concrete Wall with Brick Façade	100.00	SF	$ 35.00	$3,500.00	100.00	$35.00	$3,500.00	100.00%	0.00	$ 35.00	$0.00	0.00	$35.00	$0.00		
E.	Block Segmented Wall	650.00	SF	$ 20.00	$13,000.00	650.00	$20.00	$13,000.00	100.00%	0.00	$ 20.00	$0.00	0.00	$20.00	$0.00		
F.	Mill and Overlay	308.00	SY	$ 40.00	$12,320.00	308.00	$40.00	$12,320.00	100.00%	0.00	$ 40.00	$0.00	0.00	$40.00	$0.00		
G.	Full Depth Asphalt Pavement	350.00	SY	$ 52.00	$18,200.00	350.00	$52.00	$18,200.00	100.00%	0.00	$ 52.00	$0.00	0.00	$52.00	$0.00		
H.	*** ADA Ramp	4.00	EA	$ 3,000.00	$12,000.00	4.00	$3,000.00	$12,000.00	100.00%	0.00	$ 3,000.00	$0.00	0.00	$3,000.00	$0.00		
				SUBTOTAL	**$80,098.00**	TOTAL REQUESTED		**$65,198.00**	**81.40%**	TO DATE RELEASED		**$0.00**	TO BE HELD		**$14,900.00**	**$50,298.00**	**$29,800.00**
VI.	**LANDSCAPING**																
A.	Deciduous Shade Trees	6.00	EA	$ 450.00	$2,700.00	6.00	$450.00	$2,700.00	100.00%	0.00	$ 450.00	$0.00	0.00	$450.00	$0.00		
B.	Evergreen Trees	13.00	EA	$ 400.00	$5,200.00	13.00	$400.00	$5,200.00	100.00%	0.00	$ 400.00	$0.00	0.00	$400.00	$0.00		
C.	Shrubs	23.00	EA	$ 80.00	$1,840.00	23.00	$80.00	$1,840.00	100.00%	0.00	$ 80.00	$0.00	0.00	$80.00	$0.00		
D.	** Ornamental Grasses	9.00	EA	$ 36.00	$324.00	9.00	$36.00	$324.00	100.00%	0.00	$ 36.00	$0.00	0.00	$36.00	$0.00		
E.	** Groundcover	660.00	EA	$ 19.00	$12,540.00	660.00	$19.00	$12,540.00	100.00%	0.00	$ 19.00	$0.00	0.00	$19.00	$0.00		
				SUBTOTAL	**$22,604.00**	TOTAL REQUESTED		**$22,604.00**	**100.00%**	TOTAL RELEASED		**$0.00**	TO BE HELD		**$0.00**	**$22,604.00**	**$0.00**
VI.	**MISCELLANEOUS**																
A.	Roadway Markings	1.00	LS	$ 5,000.00	$5,000.00	1.00	$5,000.00	$5,000.00	100.00%	0.00	$5,000.00	$0.00	0.00	$5,000.00	$0.00		
B.	Traffic Signs	1.00	EA	$ 500.00	$500.00	1.00	$500.00	$500.00	100.00%	0.00	$500.00	$0.00	0.00	$500.00	$0.00		
C.	* As-Built Survey and Plan	1.00	LS	$ 2,500.00	$2,500.00	1.00	$2,500.00	$2,500.00	100.00%	0.00	$2,500.00	$0.00	0.00	$2,500.00	$0.00		
				SUBTOTAL	**$8,000.00**	TOTAL REQUESTED		**$8,000.00**	**100.00%**	TO DATE RELEASED		**$0.00**	TO BE HELD		**$0.00**	**$8,000.00**	**$0.00**
	TOTAL ESCROW AMOUNTSUBTOTAL ITEMS I-VI				**$202,770.50**												
VII.	**CONTINGENCY (10%)**				**$20,277.05**												
				TOTAL ESCROW	**$223,047.55**												

	Sep-21	Nov-22	Total Release
REQUESTED RELEASE	**$172,970.00**	**$29,800.50**	**$202,770.50**
REDUCTION IN CONTINGENCY	**$17,297.00**	**$2,980.05**	**$20,277.05**
REQUSTED RELEASE	**$190,267.00**	**$32,780.55**	**$223,047.55**

BOARD OF COMMISSIONERS REGULAR PUBLIC MEETING

AGENDA ITEM

November 10, 2022 — *DATE*

BOC-03-111022 — *AGENDA ITEM NUMBER*

Administration — *DEPARTMENT*

FISCAL IMPACT
Cost > $10,000
Yes ☐ No ☑

PUBLIC BID REQUIRED
Cost > $20,100
Yes ☐ No ☑

AGENDA ITEM:

SD 20-02 1231 Susquehanna Road Escrow Release

EXECUTIVE SUMMARY:

The Land Development project work has been satisfactorily completed and the developer is requesting a reduction of escrow funds as stated in the attached letter.

PREVIOUS BOARD ACTIONS:

10/13/22 - Escrow #1 was approved for release.

RECOMMENDED BOARD ACTIONS:

Motion to approve the release of escrow #2 for SD 20-02, 1231 Susquehanna Road, in the amount of $144,746.00.

Pennoni

3100 Horizon Drive
Suite 200
King of Prussia, PA 19406
T: 610-277-2402
F: 610-277-7449

www.pennoni.com

October 10, 2022

ABINT1600.20

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

RE: LD-20-02 – 1231 Susquehanna Road Subdivision & Land Development
Escrow Release #2

Dear Mr. Manfredi,

We have received an escrow release request dated and received on September 18, 2022, and received on October 10, 2022, for a reduction of escrow funds relating to the above referenced project. A copy of the fully executed land development agreement was provided by the Township on September 6, 2022.

Under this Application, the Applicant is proposing to demolish the existing central and rear dwellings, driveway, carport, tennis courts, patio, sheds, and associated walls, lighting, and landscaping; and subdivide the existing parcel (total 284,938 SF or 6.5413-acres to ultimate right-of-way as surveyed) into five (5) individual lots to construct on each lot a single family residential dwelling and associated driveways, curb, walkways, street lights, storm water facilities, and storm and sanitary sewers. A retaining wall is proposed behind the sidewalk to the west and north side of the infiltration bed SB6 on Lot 1; and behind the sidewalk and parallel to the proposed driveway on Lot 5. Each lot will be serviced by public sewer and water services. Access to each lot is via a new cul-de-sac street labeled as Christine Lane.

Based on our field visit completed on September 20, 2022 and correspondences with the Applicant, we recommend the following release:

Original Construction Escrow Total	$ 636,205.20
Construction Escrow Released Prior to this Request	$ 178,401.00
Balance Prior to This Release	$ 457,804.20
Recommended Amount This Release	**$ 144,746.00**
Total Construction Escrow Balance Remaining After This Release	$ 313,058.20

Enclosed, you will find the Summary of Construction Cost Breakdown. Please review and process for release. Should you have any questions, please feel free to contact me at (610) 422-2499.

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

U:\ACCOUNTS\ABINT\ABINT1600 - ABINGTON SITE INSPECTIONS\ADMIN\PHASE 20 - SD-20-02 - 1231 SUSQUEHANNA RD\ESCROW RELEASES\RELEASE NO. 2 - COVER LETTER.DOCX

1231 Susquehanna Rd
Escrow Release #2 Detail
As of 9/18/2022

Descripton	Qty	Unit	Price	Amount	Escrow Request #1	Escrow Remaining	Qty Released	% Qty Released	Escrow Request #2	Escrow Remaining
Layout										
Setout Survey	1	LS	5,000.00	5,000.00	5,000.00	-				-
Concrete Monuments/Pins	26	EA	120.00	3,120.00	-	3,120.00				3,120.00
Sub Total				8,120.00	5,000.00	3,120.00				3,120.00
Erosion & Sediment Control										
Construction Entrance (with wash rack)	1	EA	1,600.00	1,600.00	1,600.00	-				-
18" Filter Sock	1844	LF	5.00	9,220.00	9,220.00	-				-
Inlet Protection	19	EA	600.00	11,400.00	1,200.00	10,200.00	17.00	89%	10,200.00	-
Tree Protection Fence	1829	LF	4.00	7,316.00	7,316.00	-				-
12" Compost Filter Sock	846	LF	4.00	3,384.00	3,384.00	-				-
Concrete Washout	1	EA	500.00	500.00	-	500.00	0.50	50%	250.00	250.00
Sub Total				33,420.00	22,720.00	10,700.00			10,450.00	250.00
Earthwork										
Clearing and Grubbing	1	LS	10,000.00	10,000.00	9,000.00	1,000.00	0.10	10%	1,000.00	-
Cut & Fill	1	LS	25,000.00	25,000.00	20,000.00	5,000.00	-	0%	-	5,000.00
Temporary Seeding	1	LS	2,000.00	2,000.00	1,600.00	400.00	0.20		-	400.00
Sub Total				37,000.00	30,600.00	6,400.00			1,000.00	5,400.00
Storm System										
12' x 100' Infiltration Trench	1	EA	3,000.00	3,000.00	3,000.00	-				-
Connect to Ex Storm MH	1	EA	800.00	800.00	800.00	-				-
Type C or M Inlet	16	EA	1,500.00	24,000.00	21,000.00	3,000.00	2.00	13%	3,000.00	-
Storm Manhole	1	EA	1,500.00	1,500.00	1,500.00	-				-
18"CPP	850	LF	30.00	25,500.00	18,750.00	6,750.00	225.00	26%	6,750.00	-

36" Perforated CCP	297 LF	53.00	15,741.00	15,741.00	-				-
On-Lot Seepage Bed	5 EA	2,000.00	10,000.00	-	10,000.00	4.00	80%	8,000.00	2,000.00
8" Base Drain	47 LF	16.00	752.00	-	752.00	47.00	100%	752.00	-
8" Cleanout Connect to 7" HOPE Base Drain	1 EA	600.00	600.00	-	600.00	1.00	100%	600.00	-
Sub Total			81,893.00	60,791.00	21,102.00			19,102.00	2,000.00
Paving									
Susquehanna Rd									
6" 2a Modified Subbase	277 SY	7.00	1,939.00	-	1,939.00	277.00	100%	1,939.00	-
4" BCBC 25mm Base Course	277 SY	13.00	3,601.00	-	3,601.00				3,601.00
2.5" 19mm Binder Course	277 SY	8.00	2,216.00	-	2,216.00				2,216.00
Mill & Overlay 1.5" 9.5mm Wearing Course	672 SY	5.00	3,360.00	-	3,360.00				3,360.00
Sweep and Tack Coat	672 SY	1.00	672.00	-	672.00				672.00
Christine Lane									
6" 2a Modified Subbase	2495 SY	7.00	17,465.00	17,465.00	-				-
4" BCBC 25mm Base Course	2495 SY	13.00	32,435.00	-	32,435.00				32,435.00
2.5" 19mm Binder Course	2495 SY	8.00	19,960.00	-	19,960.00				19,960.00
Mill & Overlay 1.5" 9.5mm Wearing Course	2495 SY	5.00	12,475.00	-	12,475.00				12,475.00
Sweep and Tack Coat	2495 SY	1.00	2,495.00	-	2,495.00				2,495.00
Sub Total			96,618.00	17,465.00	79,153.00			1,939.00	77,214.00
Landscaping									
Street Trees	20 EA	250.00	5,000.00	-	5,000.00				5,000.00
Replacement Trees	64 EA	225.00	14,400.00	-	14,400.00				14,400.00
Flowering Trees	27 EA	75.00	2,025.00	-	2,025.00				2,025.00
Shrubs	45 EA	25.00	1,125.00	-	1,125.00				1,125.00
Sub Total			22,550.00	-	22,550.00			-	22,550.00

Utilities									
Sewer Line	378 LF	30.00	11,340.00	-	11,340.00		0%	-	11,340.00
Sanitary Manholes	3 EA	1,800.00	5,400.00	-	5,400.00		0%	-	5,400.00
Sewer Testing	1 LS	1,500.00	1,500.00	-	1,500.00		0%	-	1,500.00
Sub Total			18,240.00	-	18,240.00			-	18,240.00
Miscellaneous									
Retaining Walls	355 LF	150.00	53,250.00	-	53,250.00				53,250.00
Street & Traffic Signs	2 EA	300.00	600.00	-	600.00				600.00
Concrete Curb	1528 LF	35.00	53,480.00	41,825.00	11,655.00	333.00	22%	11,655.00	-
Interior Sidewalk	4850 SF	15.00	72,750.00	-	72,750.00	4,850.00	100%	72,750.00	-
Susquehanna Road Sidewalk	1590 SF	15.00	23,850.00	-	23,850.00	1,590.00	100%	23,850.00	-
As-Built Plans	1 LS	5,000.00	5,000.00	-	5,000.00				5,000.00
Driveway Apron	570 SF	20.00	11,400.00	-	11,400.00				11,400.00
ADA Curb Ramps	2 EA	2,000.00	4,000.00	-	4,000.00	2.00	100%	4,000.00	-
Relocate Existing Utility Pole	1 LS	5,000.00	5,000.00	-	5,000.00				5,000.00
Street Lights	2 EA	1,500.00	3,000.00	-	3,000.00				3,000.00
Sub Total			232,330.00	41,825.00	190,505.00			112,255.00	78,250.00
Total Construction			530,171.00	178,401.00	351,770.00			144,746.00	207,024.00

Thomas DiEgidio

Thomas DiEgidio

Dated 9-18-2022

BOARD OF COMMISSIONERS REGULAR PUBLIC MEETING

AGENDA ITEM

November 10, 2022	BOC-04-111022	FISCAL IMPACT
DATE	*AGENDA ITEM NUMBER*	Cost > $10,000
		Yes ☑ No ☐
Administration		PUBLIC BID REQUIRED
DEPARTMENT		Cost > $20,100
		Yes ☐ No ☑

AGENDA ITEM:

2018 ARLE Grant Extension Request

EXECUTIVE SUMMARY:

The Township is seeking a time extension for its 2018 ARLE grant for Meetinghouse and Fox Chase Road. The grant award amount is for $189,520.00 and currently expires on 11/8/2022. The grant extension was approved by PennDOT and is pending the approval of this resolution to execute the appropriate agreements.

PREVIOUS BOARD ACTIONS:

-

RECOMMENDED BOARD ACTIONS:

Motion to authorize the Township Manager to execute an Amendment to the Funding Agreement for the Township's 2018 Automated Red Light Enforcement Program (ARLE) grant as outlined in Resolution 22-027.

EFFECTIVE DATE: _____ AGREEMENT NO.:2018ARLE005A
(*Department will insert*) FID NO.: 23-6000025
COUNTY: Montgomery SAP VENDOR NO.: 138590
SPONSOR: Abington Township MPMS NO.: 113533

AMENDMENT TO AUTOMATED RED LIGHT ENFORCEMENT PROGRAM PROJECT FUNDING AGREEMENT - INDIVIDUAL PROJECTS

This Amendment to Automated Red Light Enforcement Program Project Funding – Individual Projects Agreement No. 2018ARLE0005 ("Amendment") is entered by and between the Commonwealth of Pennsylvania ("Commonwealth"), through the Department of Transportation ("DEPARTMENT") and Abington Township, of the Commonwealth of Pennsylvania, acting through its proper officials ("SPONSOR").

WITNESSETH:

WHEREAS, the parties entered into Agreement No. 2018ARLE0005 ("Agreement") on November 8, 2019 for traffic signal modernization at the intersection of Meetinghouse Road and Fox Chase Road, in the Abington Township, Montgomery County, PA;

WHEREAS, the Agreement obligates the SPONSOR to complete the work under the Agreement no later than three (3) years from its effective date;

WHEREAS, the SPONSOR in a letter July 12, 2022, requested from the DEPARTMENT a time extension to complete the Project due to accommodate delivery times for the traffic signal mast arms and equipment for the Project;

WHEREAS, the DEPARTMENT in a letter dated July 18, 2022, granted the requested time extension pending approval of an executed amendment to the Agreement; and

WHEREAS, the parties are entering into this Amendment to signify the Department's formal approval of the SPONSOR's request and to update standard contract provisions.

NOW, THEREFORE, the parties, intending to be legally bound, agree that the Agreement shall be amended as follows:

1. Upon consideration of the SPONSOR's request for a time extension, the DEPARTMENT grants the SPONSOR a no-cost time extension until October 1, 2023 for completion of the work under the Agreement. This date supersedes the completion date set forth in Paragraph 23 of the Agreement. The DEPARTMENT is not authorizing any additional Project or any modifications to the scope of work in conjunction with or as a result of this time extension.

2. Subparagraph 2(d) of the Agreement is struck in its entirety and replaced with the following:

   (d) **Letter of Adjustment.** If the DEPARTMENT determines that the cost for any phase listed on Exhibit "A" should be redistributed, and the redistribution does not result in an increase or decrease in total Project costs or any increase in costs to the SPONSOR, the DEPARTMENT will redistribute such costs by sending the SPONSOR notification via a letter of adjustment that will include a revised Exhibit "A". The DEPARTMENT cannot pay or reimburse the SPONSOR for the costs of these phases until the Office of Comptroller Operations signs and dates the letter of adjustment. A sample

Letter of Adjustment is attached as Exhibit "I" and made part of this Agreement.

(e) **Letter of Amendment.** If there are changes to any Standard Provision, the parties can incorporate those revised and updated Standard Provision by noting the incorporation and attachment of such Standard Provisions to such letter of amendment. For the purposes of this subparagraph, Standard Provisions consist of those provisions, exhibits or clauses required to be included in Commonwealth agreements pursuant to federal or state law or Commonwealth Management Directives, including, but not limited to: Americans with Disabilities Act; Right-to-Know Law; Contractor Integrity; Contractor Responsibility; Commonwealth Nondiscrimination and Sexual Harassment Clause; and Offset Clause. A letter of amendment is not effective until duly authorized representatives of the DEPARTMENT, the SPONSOR, the Office of Chief Counsel, and the Office of Comptroller Operations sign and date the letter of amendment. A sample Letter of Amendment is attached as Exhibit "J," and made part of this Agreement.

(f) **Fully Executed Amendment.** All other changes to terms and conditions of this Agreement, with the exception of Paragraphs 23 and 30, must be in the form of a fully executed amendment signed by the same entities that executed the original agreement.

3. Subparagraph 9(j) of the Agreement is struck in its entirety and replaced with the following:

(j) **Final Invoice.** The SPONSOR shall submit its final invoices for payment or reimbursement, as the case may be, of the items set forth in Subsection (b) above to the DEPARTMENT within six (6) months of the completion of all physical work as referenced in amended Section 23, unless extended by

letter at the DEPARTMENT's discretion prior to the end of the six- (6-) month period. If the SPONSOR fails to submit its final invoices within this six- (6-) month period, it forfeits the right to all remaining state financial participation in the Project.

4. Subparagraph 9(k) of the Agreement is struck in its entirety.

5. Exhibit "F," attached to the Agreement, is struck in its entirety and is replaced by Exhibit "FF," which is attached and made part of this Amendment. All references to Exhibit "F" are replaced with references to Exhibit "FF".

6. Paragraph 21 of the Agreement is struck in its entirety and replaced with the following:

21. AUTOMATED CLEARING HOUSE NETWORK PROVISIONS

(a) The Commonwealth will make payments to the SPONSOR through the Automated Clearing House ("ACH") Network. Within 10 days of the execution of this Agreement, the SPONSOR must submit or must have already submitted its ACH information in the Commonwealth's Master Database. The SPONSOR will also be able to enroll to receive remittance information via electronic addenda and email (e-Remittance). ACH and e-Remittance information is available at https://www.budget.pa.gov/Services/ForVendors/Pages/Direct-Deposit-and-e-Remittance.aspx.

(b) The SPONSOR must submit a unique invoice number with each invoice submitted. The unique invoice number will be listed on the Commonwealth's ACH remittance advice to enable the SPONSOR to properly apply the state agency's payment to the respective invoice or program.

(c) It is the responsibility of the SPONSOR to ensure that the ACH information contained in the Commonwealth's Master Database is accurate and complete. Failure to maintain accurate and complete information may result in delays in payments.

7. Paragraph 23 of the Agreement is struck in its entirety and replaced with the following:

The SPONSOR shall complete all physical work under this Agreement no later than October 1, 2023, unless extended by a letter at the DEPARTMENT's discretion prior to the required completion date.

8. Paragraph 30 of the Agreement is struck in its entirety and replaced with the following:

30. NOTICES

All notices and reports arising out of, or from, the provision of this Agreement, shall be in writing and given to the parties at the address provided under this Agreement, either by regular mail, e-mail or delivery in person, at the following addresses:

If to the DEPARTMENT:

Pennsylvania Department of Transportation
Attn: Steve Gault, P.E., PTOE
Chief, TSMO Arterials & Planning Section
Highway Safety & Traffic Operations Division
400 North Street
Harrisburg, PA 17120-0064
Phone: 717-787-6988
Email: sgault@pa.gov

If to the SPONSOR:

Abington Township
Attn: Richard J. Manfredi, Township Manager

1176 Old York Rd.
Abington, PA 19001
Phone: 267-536-1003
Email: rmanfredi@abington.org

or to such other person or address as the parties may provide to each other in writing.

9. This Amendment shall become effective when it is fully executed by the parties and all approvals required by Commonwealth contracting procedures have been obtained, as indicated by the date of the last Commonwealth signature. This Amendment is not binding in any way on the Commonwealth or the DEPARTMENT until it has been fully executed, as prescribed in the preceding sentence, and sent to the SPONSOR.

10. Capitalized terms used in this Amendment and not otherwise defined in this Amendment shall have the meanings specified for such terms in the Agreement.

11. Except as explicitly provided by this Amendment, the other provisions of the Agreement shall remain in full force and effect.

[The remainder of this page is intentionally left blank.]

IN WITNESS WHEREOF, the parties, through their authorized representatives, have properly executed this Amendment on the date of the last Commonwealth signature below.

ATTEST: SPONSOR*

_____ BY _____
Title: Date Title: Date

***SPONSOR's resolution authorizing execution and attestation must accompany this Agreement; please indicate the signers' titles in the blanks provided and date all signatures.**

DO NOT WRITE BELOW THIS LINE – FOR COMMONWEALTH USE ONLY

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BY _____
District Executive Date

APPROVED AS TO LEGALITY
AND FORM:

BY_____ FUNDS COMMITMENT DOC. NO.:
for Chief Counsel Date AMOUNT:

BY_____
BY_____ for Comptroller Operations Date
Deputy General Counsel Date

BY_____
Deputy Attorney General Date

Contract No. 2018ARLE005A is split N/A%, expenditure amount of $ N/A for federal funds and N/A%, expenditure amount of $ N/A for state funds. The related federal assistance program name and number is N/A; N/A. The state assistance program name and SAP fund is Red Light Photo Enforcement Program; 6024400003.

18-008

Contractor Responsibility Provisions

(December 2020)

For the purpose of these provisions, the term Contractor is defined as any person, including, but not limited to, a bidder, offeror, loan recipient, grantee or lessor, who has furnished or performed or seeks to furnish or perform, goods, supplies, services, leased space, construction or other activity, under a contract, grant, lease, purchase order or reimbursement agreement with the Commonwealth of Pennsylvania (Commonwealth). The term Contractor includes a permittee, licensee, or any agency, political subdivision, instrumentality, public authority, or other public entity in the Commonwealth.

1. The Contractor certifies, in writing, for itself and its subcontractors required to be disclosed or approved by the Commonwealth, that as of the date of its execution of this Bid/Contract, that neither the Contractor, nor any such subcontractors, are under suspension or debarment by the Commonwealth or any governmental entity, instrumentality, or authority and, if the Contractor cannot so certify, then it agrees to submit, along with its Bid/Contract, a written explanation of why such certification cannot be made.

2. The Contractor also certifies, in writing, that as of the date of its execution of this Bid/Contract it has no tax liabilities or other Commonwealth obligations, or has filed a timely administrative or judicial appeal if such liabilities or obligations exist, or is subject to a duly approved deferred payment plan if such liabilities exist.

3. The Contractor's obligations pursuant to these provisions are ongoing from and after the effective date of the Contract through the termination date thereof. Accordingly, the Contractor shall have an obligation to inform the Commonwealth if, at any time during the term of the Contract, it becomes delinquent in the payment of taxes, or other Commonwealth obligations, or if it or, to the best knowledge of the Contractor, any of its subcontractors are suspended or debarred by the Commonwealth, the federal government, or any other state or governmental entity. Such notification shall be made within 15 days of the date of suspension or debarment.

4. The failure of the Contractor to notify the Commonwealth of its suspension or debarment by the Commonwealth, any other state, or the federal government shall constitute an event of default of the Contract with the Commonwealth.

5. The Contractor agrees to reimburse the Commonwealth for the reasonable costs of investigation incurred by the Office of State Inspector General for investigations of the Contractor's compliance with the terms of this or any other agreement between the Contractor and the Commonwealth that results in the suspension or debarment of the contractor. Such costs shall include, but shall not be limited to, salaries of investigators, including overtime; travel and lodging expenses; and expert witness and documentary fees. The Contractor shall not be responsible for investigative costs for investigations that do not result in the Contractor's suspension or debarment.

6. The Contractor may search the current list of suspended and debarred Commonwealth contractors by visiting the eMarketplace website at http://www.emarketplace.state.pa.us and clicking the Debarment List tab.

Exhibit FF

LETTER OF ADJUSTMENT

Click or tap here to enter text.
Click or tap here to enter text.
Click or tap here to enter text.
Click or tap here to enter text.
Click or tap here to enter text. PA Click or tap here to enter text.

Re: Click or tap here to enter text.
Click or tap here to entertext.

Dear Sponsor(s):

Per the terms of the subject agreement, PennDOT is extending the Completion of Work date to [INSERT DATE] and the Project Estimated Cost Exhibit, with no change to the total Project costs, by increasing/decreasing the costs of the phases within the Project as detailed in the attached Exhibit "[INSERT EXHIBIT LETTER]", which replaces the current exhibit.

We are requesting your concurrence as to the adjustment of the above-referenced Agreement. If you agree to the adjustment, please execute this letter.

Your response is required no later than [INSERT RESPONSE DEADLINE].

All terms and conditions about the Agreement and its amendments (if any) not affected by this Letter of Adjustment remain in full force and effect.

This Letter of Adjustment is not effective until all required signatures are affixed to the e-signature page which will be attached below.

On behalf of the above-named Sponsor, I agree to the adjustment of the above-referenced Agreement. I agree to all terms and conditions included in the subject Agreement and all previous amendment thereto, if any.

Signature:_____

Title Date

DO NOT WRITE BELOW THIS LINE--FOR COMMONWEALTH USE ONLY

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BY_____
Division Chief Date

FUNDS COMMITMENT DOCUMENT
NO.

BY_____
for Comptroller Operations Date

LETTER OF AMENDMENT

Click or tap here to enter text.
Click or tap here to enter text.
Click or tap here to enter text.
Click or tap here to enter text.
Click or tap here to enter text. PA Click or tap here to enter text.

Re: Click or tap here to enter text.
Click or tap here to enter text.

Dear SPONSOR:

The DEPARTMENT has updated certain Standard Provisions and accompanying exhibits included in the Agreement. These updated exhibit(s) "Click or tap here to enter text." are attached hereto and hereby supersede and replace the corresponding exhibit(s) attached to the Agreement. This amendment will become effective once all required signatures are affixed to the e-signature page.

We are requesting your concurrence as to the amendment of the above-referenced Agreement. If you agree to the amendment, please indicate below by signing and noting your title where indicated.

Your response is required no later than Click or tap here to enter text..

On behalf of the above-named SPONSOR, I agree to the amendment of the above- referenced agreement.

Signature:_____

All terms and conditions of the agreement and its amendments (if any) not affected by this Letter of Amendment remain in full force and effect.

This Letter of Amendment is not effective until all required signatures are affixed to the e-signature page which will be attached below.

Sincerely,

_____
Project Manager

SAMPLE

Approved for Form and Legality:

_____
(Asst.) District Executive

_____
for Chief Counsel

_____
Comptroller Signature

SAMPLE

Township of Abington
Montgomery County, Pennsylvania

RESOLUTION No. 22-027

BE IT RESOLVED, by authority of the _____Board of Commissioners_____
(Name of governing body)
of the _____Township of Abington **,** _____Montgomery County____, and it
(Name of Municipality)

is hereby resolved by authority of the same, that the ____President_____ of
(Designate official title)

_Abington Township_____ be authorized and directed to sign the attached Automated Red Light
(Name of Municipality)

Enforcement Program Time Extension Agreement on its behalf.

ATTEST: Abington Township
(Name of Municipality)

_____ _____ By: _____
Richard J. Manfredi, Township Manager & Secretary Thomas Hecker, President, Board of Commissioners

I, _____Thomas Hecker_____, _____President_____
(Official title)

of the _____Township of Abington_____, do hereby certify that the foregoing
(Name of governing body and Municipality)

is a true and correct copy of the Resolution adopted at a regular meeting of the

_____Board of Commissioners_____, held the 10th day of November 2022.
(Name of governing body)

DATE: _____ _____
Thomas Hecker, President

BOARD OF COMMISSIONERS REGULAR PUBLIC MEETING

AGENDA ITEM

November 10, 2022	BOC-05-111022	FISCAL IMPACT
DATE	*AGENDA ITEM NUMBER*	Cost > $10,000
		Yes ☐ No ☑
Administration		PUBLIC BID REQUIRED
DEPARTMENT		Cost > $20,100
		Yes ☐ No ☑

AGENDA ITEM:

Toll Brothers Text Amendment Public Hearing

EXECUTIVE SUMMARY:

The request by Toll Mid-Atlantic, L.P. Company, Inc. i.e. Toll Brothers, as it pertains to the potential redevelopment of a property situated at 711 Fox Chase Road ("St. Basil's") and their request for a proposed zoning text and map amendment creating an age-restricted carriage home overlay district.

At the August 23, 2022 the Planning Commission recommended merging the proposed text amendment by Toll Brothers with the existing SNR Senior Neighborhood zoning district. If the merging of the zoning districts is not feasible, the recommendation is then to approve the text amendment with the following conditions

1. Add a parking space requirement for the carriage homes.
2. Make the necessary referenced 2103 section and H-12 use typo corrections. The 8/12/22 updated text amendment still referenced section 2301 erroneously and H-12 should be H-13 since H-12 was added by a prior text amendment.
3. Reduce the plantings distance within the buffer area so the plantings are closer to the tract boundary line to provide a more effective screening.

PREVIOUS BOARD ACTIONS:

08.12.22 - A revised Ordinance was sent to address the Planning Commissions comments from the August 4, 2022 meeting. This Ordinance is attached and marked Revised 08.12.22.

08.23.22 - The Planning Commission recommended moving forward to the Comprehensive Plan Consistency Committee on August 31, 2022 with the recommendations stated in the Executive Summary.
09.08.22 - Working Session - recommended to move to the next Board of Commissioners meeting on October 13, 2022
10.13.22 - The Board of Commissioners approved advertisement of amendment

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RECOMMENDED BOARD ACTIONS:

Public Hearing and consider adopting Ordinance 2199 a Zoning Text Amendment to create the AR - Age-Restricted Carriage Home Overlay District and a Zoning Map Amendment to rezone certain parcels on the northeast side of Fox Chase Road as AR - Age-Restricted Carriage Home overlay.

TOWNSHIP OF ABINGTON
MONTGOMERY COUNTY, PENNSYLVANIA

ORDINANCE NO. 2199

AN ORDINANCE AMENDING CHAPTER 162 – "ZONING", BY ADDING A NEW ARTICLE XVIIA TO ESTABLISH AN AR AGE-RESTRICTED CARRIAGE HOME OVERLAY DISTRICT, BY ADDING A NEW LAND USE CATEGORY IDENTIFIED AS AGE-RESTRICTED CARRIAGE HOME DWELLING UNIT AND BY ADDING A PARKING USE REQUIREMENT FOR AGE-RESTRICTED CARRIAGE HOME DWELLING UNIT, AND TO ADD AGE-RESTRICTED CARRIAGE HOME DWELLING UNIT TO THE COMPREHENSIVE USE MATRIX, AND BY AMENDING THE ABINGTON TOWNSHIP ZONING MAP TO ESTABLISH AN AR AGE-RESTRICTED CARRIAGE HOME OVERLAY DISTRICT.

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 and Section 609 of the Pennsylvania Municipalities Planning Code, 53 P.S. § 10609, 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, the Board of Commissioners of the Township has determined that the Code of Ordinances of the Township of Abington shall be amended at Chapter 162 – "Zoning" to create an AR Age-Restricted Carriage Home Overlay District and the Zoning Map of Abington Township shall be amended to establish an AR Age-Restricted Carriage Home Overlay District on property located on the northeast side of Fox Chase Road, identified as Tax Parcel Nos. 30-00-22424-00-1 and 30-00-22420-00-5, consisting of approximately 46.37 acres, 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:

SECTION I. <u>ZONING TEXT AMENDMENTS</u>. The Code of the Township of Abington is amended at Chapter 162 – "Zoning" as follows:

1. The Revised Abington Township Zoning Ordinance, as heretofore amended, is hereby amended to add a new Article XVIIA as follows:

ARTICLE XVIIA: AR AGE-RESTRICTED CARRIAGE HOME OVERLAY DISTRICT

SECTION 1709. PURPOSE: The purpose and intent of the AR Age-Restricted Carriage Home Overlay District is to provide a specialized overlay district to facilitate residential living by persons that qualify for housing under The Housing for Older Persons Act of 1995, in areas of the Township that are otherwise zoned for certain institutional uses.

SECTION 1710. USE REGULATIONS: A building may be erected, altered or used, and a lot may be occupied or used, in whole or in part, for the following uses and no other, provided that such uses shall comply with the Overlay District regulations established in this Article and all applicable sections of this Ordinance:

A. *See **Comprehensive Use Matrix, Appendix.***

B. Accessory uses including clubhouse, swimming pool, bocce, indoor and outdoor recreational uses, trails, fitness center, guest parking, dog park, outdoor grilling, picnic areas and other similar uses to the foregoing.

SECTION 1711. DIMENSIONAL REGULATIONS: The dimensional regulations in the following chart are the Overlay District standards, which must be achieved any use, addition or alteration:

Figure 17.2

AR Age-Restricted Carriage Home Overlay District: Dimensional Requirements

Minimum Site Area		Lot Width	Lot Depth
40 acres gross		N/A	N/A
MINIMUM YARD DIMENSIONS			
Perimeter	Front	Side	Rear
Set back from tract perimeter:	30' dwelling set back from face of	N/A	N/A

- From ultimate right-of-way: 100 feet - From other tract boundary line: 125 feet	curb/edge of cartway		
COVERAGE (percentage of gross site area)			
Maximum Building Area		Maximum Impervious	Minimum Green Area
25%		50%	50%
OPEN SPACE			
Gross Site Area (in acres) x .40			
DENSITY			
Gross Site Area (in acres) x 3.4			
BUILDING DIMENSIONS			
Maximum Height		Maximum Length	Minimum Separation
35' maximum, as defined by the Building Code of Abington Township (ICC)		160'	20'

SECTION 1712. SPECIAL DEVELOPMENT REGULATIONS:

A. No retail operations or land uses are permitted even as accessory uses.

B. Residential green area and buffer: Along any boundary line of the tract adjoining an existing residential use, an 125 foot wide green area shall be provided. In addition, a screening buffer conforming to **§ 2403.B.4 Buffer Specifications**, Medium Intensity Buffer Option A, with a depth of not less than 40 feet, shall be situated within the green area, the final location of which shall be determined during land development.

C. Open Space Requirements: Land preserved for open space purposes shall be in compliance with **Open Space Standards of the SALDO** for the Township Zoning Ordinance; provided however that age-restricted carriage home accessory uses such as clubhouse, swimming pool, bocce, indoor and outdoor recreational uses, trails, fitness center, dog park, outdoor grilling, picnic areas, and other similar uses to the foregoing shall be permitted in the open space. Guest parking otherwise serving the community shall not be permitted in the open space.

SECTION 1713. SEVERABILITY: If any section, subsection, or clause of this ordinance shall be deemed to be unconstitutional or otherwise invalid, the validity of the remaining sections, subsections and clauses shall not be affected.

2. The Revised Abington Township Zoning Ordinance, as heretofore amended, Section 2103 (entitled "Categories of Permitted Uses"), Subsection H (entitled "Residential Uses") thereof, is hereby amended to add a "Use H-13: Age-Restricted Carriage Homes" as follows:

> **Use H-13: Age-Restricted Carriage Home Dwelling Unit (Single-Family Attached):** A single-family attached dwelling unit that is age-restricted as provided for by The Housing for Older Persons Act of 1995, as amended. An age-restricted carriage home dwelling unit is a single-family attached dwelling within a multi-dwelling unit building consisting of at least 3 such dwelling units, but not more than 6 such dwelling units, with each unit occupying the total space from ground to roof, and joined to each other by not more than 2 vertical, common party walls, which also serve as the lot line dividing the properties.
>
> 1. Age-restricted carriage homes may be one- or two-level dwelling units above grade, provided they do not exceed the district height limitation and may have a third level serving as a basement.
>
> 2. All age-restricted carriage home dwelling units must connect to public water and sewer.
>
> 3. Age-restricted carriage homes may be defined by the footprint of the dwelling unit. There is no minimum lot size requirement.
>
> 4. Age-restricted carriage homes shall be a minimum of 28' wide and 50' in depth.
>
> 5. Age-restricted carriage homes shall be setback at least 30' from the face of curb/edge of cartway.
>
> 6. Age-restricted carriage homes shall have a minimum building separation of 20'.

3. The Revised Abington Township Zoning Ordinance, as heretofore amended, Section 2304 (entitled "Parking Use Requirements"), Subsection H (entitled "Residential Uses") thereof, is hereby amended to add a new Subsection 13 thereto as follows:

> 13. Use H-13: Age-Restricted Carriage Home Dwelling Unit (Single-Family Attached):
>
> a. 2 parking spaces exclusive of garage space, plus one quarter (1/4) parking space per dwelling unit for visitors and overflow parking. The visitor and overflow parking may be provided in designated on-street parking spaces.

b. Parking spaces may be reduced to 9 feet x 18 feet.

c. Single-car garages may not be utilized as required parking spaces, unless a basement is provided.

4. The Revised Abington Township Zoning Ordinance, as heretofore amended, the Comprehensive Use Matrix thereof, is hereby amended to add a new residential use category, H-13, Age-Restricted Carriage Home Dwelling Unit (Single-Family Attached), which shall only be permitted in the AR Overlay District, as follows: **See Attachment "A".**

SECTION 2. ZONING MAP AMENDMENT.

The Abington Township Zoning Map, Montgomery County, as heretofore amended, is hereby amended as follows:

> An AR Age-Restricted Carriage Home Overlay District is established on property located the northeast side of Fox Chase Road, Montgomery County, Pennsylvania, identified as Tax Parcel Nos. 30-00-22424-00-1 and 30-00-22420-00-5, consisting of approximately 46.37 acres, as delineated on Attachment "B", which shall overlay all existing and hereafter created underlying districts applicable to the property in the area designated as "AR Age-Restricted Carriage Home Overlay District" on Attachment "B" hereto.

SECTION 3. All other ordinances, portions of ordinances, or any section of the Code inconsistent with this Ordinance are hereby repealed.

SECTION 4. This Ordinance shall become effective five (5) days after enactment.

ORDAINED AND ENACTED this _____ day of _____, 2022.

TOWNSHIP OF ABINGTON
BOARD OF COMMISSIONERS

Attest:

_____ By: _____

Richard J. Manfredi — Township Manager, Secretary

Thomas Hecker — President

ATTACHMENT "A"

Code	Use	Class (for MS Districts)	AO	BC: Lot < 1 Ac	BC: Abington Towne Center	BC: Foxcroft	BC: Huntingdon Valley	BC: Noble	BC: Willow Grove Park	CS	LP Overlay	MS-H	MS-L	MS-VC	R1	R2	R3	R4	RC	SI-G	SI-W	SNR	AR Overlay
A	**Accessory Uses**																						
A-6	Clubhouse	1	Y							Y	Y								Y			Y	Y
A-18	Outdoor Recreation, Uses Accessory to	N/A		N	N	N	N	N	N	Y		N	N	N			SE	SE	Y				Y
A-24	Swimming Pool	1	NOTE 4	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y
A-25	Tennis/Sports Court	1	NOTE 4	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y
H	**Residential Uses**																						
H-12	Age-Restricted Carriage Home Dwelling Unit (Single-Family Attached)	N/A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y

ATTACHMENT "B"

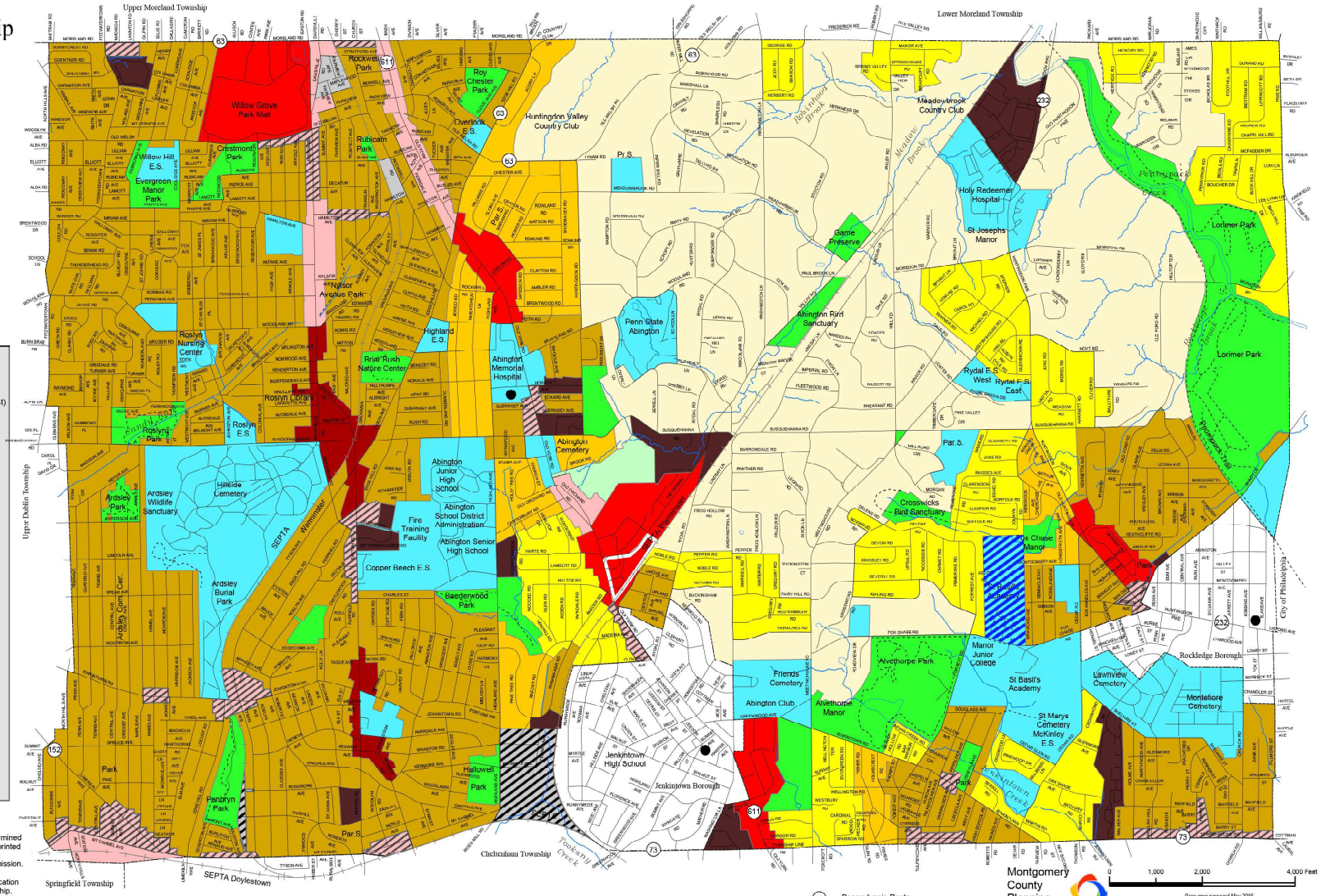
1/4" TRIM

Abington Township

Jenkintown and Rockledge Boroughs

Montgomery County, Pennsylvania

Proposed AR Age-Restricted Carriage Home Overlay District



Zoning Map

- streets
- railroads
- Triangle Area (Applicable to part of BC District)
- municipal
- Trail
- Streams
- Water Bodies
- RC Recreation/Conservation
- R1 Low Density Residential
- R2 Low-Medium Density Residential
- R3 Medium Density Residential
- R4 High Density Residential
- AO Apartment Office
- SNR Senior Neighborhood Residential
- BC Business Center
- MS-H Main Street High Intensity/Density
- MS-L Main Street Low Intensity/Density
- MS VC Village Center
- CS Community Service
- SI-G Suburban Industrial Glenside
- SI-W Suburban Industrial Willow Grove

Zoning boundaries as of April 2017

The Zoning Districts displayed on this map were determined by the Zoning Code of Abington Township. The date printed on this map is the latest information received from the Township by the Montgomery County Planning Commission. This information should not be considered the official "Adopted Zoning Map". Any question regarding the location of a district boundary should be directed to the Township.

- Pennsylvania Route
- Municipal Building
- Multiuse Trail
- P.S. Parochial School
  Pr.S. Private School

Montgomery County Planning Commission

Montgomery County Courthouse - Planning Commission
PO Box 311 ▪ Norristown PA 19404-0311
(p) 610.278.3722 ▪ (f) 610.278.3941
www.montcopa.org/plancom

0 1,000 2,000 4,000 Feet

Base map prepared May 2016

This map is based on 2015 ortho photography and official sources. Property lines were compiled from individual block maps from the Montgomery County Board of Assessment Appeals, with no verification from the deed. This map is not meant to be used as a legal definition of properties or for engineering purposes.

352

1/4" TRIM

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
WWW.MONTCOPA.ORG

SCOTT FRANCE, AICP
EXECUTIVE DIRECTOR

August 19, 2022

Mr. Richard J. Manfredi, Manager
Abington Township
1176 Old York Road
Abington, Pennsylvania 19001-3713

Re: MCPC #22-0205-001
Sisters of St. Basil's Zoning Amendment (Age-Restricted Carriage Homes Overlay)
Abington Township

Dear Mr. Manfredi:

We have reviewed the above-referenced zoning map and text amendment in accordance with Section 609 of Act 247, "The Pennsylvania Municipalities Planning Code," as you requested on August 2, 2022. We forward this letter as a report of our review.

BACKGROUND

Toll Mid-Atlantic, L.P., Company, Inc., the applicant, has submitted a request to Abington Township to amend the zoning text and map to create an Age-Restricted Carriage Home Overlay District and a new use called "Age-Restricted Carriage Home Dwelling Unit." The new overlay district allowing the proposed new use would apply to two mapped parcels (the site of the former St. Basil's Academy) which front on Fox Chase Road. The base zoning for the site affected is the CS Community Service zoning district. The applicant submitted a sketch plan with the proposed zoning amendment, illustrating a development that could occur using the zoning. We previously reviewed this proposal in a memorandum dated March 6, 2022.

COMPREHENSIVE AND OTHER PLAN COMPLIANCE

MONTCO 2040: A New Vision: the Comprehensive Plan for Montgomery County (2015). The proposal is located in the plan's Suburban Residential future land use area. The plan recommends that development in this area include appropriate landscaping, buffers, and street trees, and says that recreation facilities and central open space should be provided.

The plan's transportation chapter notes, "Having an interconnected, finely-grained road network with many choices reduces congestion and provides alternative routes around accidents or other incidents." One of the plan's goals is "Provide more opportunities for residents to exercise and have healthy lifestyles."

The proposed zoning is consistent in some ways, but would be more consistent if it required central open space, recreational facilities, and trails. The attached sketch would be more consistent if its proposed roads were interconnected with the surrounding street system (this might consist of emergency access roads), and if it included a loop trail to provide recreational opportunities.

Abington Master Bicycle Plan (2016):

The Abington Township Master Bicycle Plan (see p.94) recommends that a bicycle route "14E-Manor College Trail Extension Shared Use Path" be added, that would connect the site to the Cedar Road bicycle route to the east (see map). The full route would connect McKinley Elementary to Seminole Road. It would consist of a 10-foot asphalt trail, wayfinding signage and bicycle crossing bollards.



Comprehensive Plan Update for Abington Township (2007): The proposal is located in the "Institutional—Schools/Churches" future land use category of the Comprehensive Plan Update for Abington Township, and is consistent with that plan.

RECOMMENDATION

The Montgomery County Planning Commission (MCPC) generally supports the applicant's proposal, however, in the course of our review we have identified a number of key issues that we believe should be resolved prior to zoning amendment adoption. Our comments are as follows:

REVIEW COMMENTS

ZONING MAP

A. Not Spot Zoning. The solicitor's opinion is that this is not a case of spot zoning. We defer to the solicitor on this matter.

B. Senior Neighborhood Residential District. We suggest the township work to merge this proposed zoning text amendment with that of the SNR Senior Neighborhood Residential District. Although each of the two sites to which it would apply have unique characteristics, much of the zoning could be combined

under the SNR District, with allowances for site-specific variations based on the road from which it takes access.

ZONING TEXT

A. Overlay. We suggest that the applicant clarify that the use of the overlay is at the discretion of the developer and what, if any parts of the underlying CS Community Service District will apply when a developer opts to develop under the Age-Restricted Carriage Home Overlay District.

B. Transportation and Parking.

1. Interconnections. The street grid, including sidewalks, should be interconnected. There are existing streets that should be continued onto the site to strengthen the vehicular, bicycling, and pedestrian transportation network. This would improve access for residents and emergency vehicles; promote walking, bicycling, and healthy lifestyles; and make it easier to access the amenities and services on Huntingdon Pike.

2. Bicycling. Abington Township Master Bicycle Plan (see p.94 and "Comprehensive and Other Plan Compliance," above).

3. Parking. We should clarify parking requirements for this use. Subdivisions for the purposes of building townhouses require two parking spaces (not counting garages) plus ¼ space per unit for developments over 16 units.

4. Bus Shelter. We recommend requiring a bus shelter be provided, provided that a shelter on property undergoing land development is an appropriate location for one, in the opinion of SEPTA.

C. Open Space.

1. Setback. The setbacks that Abington's zoning requires for shopping centers ranges from 50 to 100 feet (from a single-family residential neighborhood). Why would an age-restricted residential neighborhood require a 125 foot setback? It would generate far less traffic, noise, and light.

2. Definition from Subdivision and Land Development Ordinance (SALDO). Open space:

> "A parcel or parcels of land or an area of water or a combination of land and water within a development site, interconnected and designed for the use and enjoyment of the residents of a development and or community, not including streets, off-street parking areas, required yards and areas set aside for public facilities."

We recommend that this definition be reflected in the zoning text for this district.

3. "Open Space" vs. "Residential Green Area and Buffer." The "open space" and "residential green area and buffer" regulations seem to address separate entities. The "residential green area and buffer" would create an extremely wide clear zone area that seems like a lost opportunity for a better use of space—whether for a better neighborhood layout or usable or landscaped open space. The proposed zoning text would not require the green area and buffer to provide usable open space, facilities, nor amenities.

4. Central Open Space. We recommend adding a list of required central open space requirements. These should include:

   a. Minimum area and/or percentage of tract.

   b. Required accommodations and facilities to enhance the usability of the land.

   c. Physical requirements. This should address configuration, maximum grade, location with respect to the neighborhood's homes, and pedestrian access.



Central open space in Woodmont, Lower Moreland is visible and accessible from residents' front doors.

D. <u>Housing Types and Design.</u>

1. Zoning's H-9 Townhouse Dwelling Unit (Single-Family Attached). This use should be used as a point of reference and should influence this text amendment. Some requirements from that use should be added to this text amendment. For example, the requirement that end units have side-loaded garages (intended to prevent a "snout house" development, with garages and driveways dominating the façade/front of house). There is a requirement that off-street parking spaces be located to the side or rear, and for a small planting strip to separate adjacent driveways. Internal townhouse units have a limit on the percentage (30%) of the front façade that the garage may occupy.

2. Variety of Unit Types. We recommend the ordinance be more flexible regarding permitted unit types, so that more than simply townhomes are permitted. What about duplexes? Triplexes? Quadruplexes? Twins? Adding those uses would make the site more adaptable to changing real estate market conditions and housing unit type preferences.

E. Landscaping.

1. Stormwater Basin. The basin along Fox Chase Road will be located in a prominent location and could serve as a prominent visual enhancement for the development. All basins should be sufficiently naturalized and landscaped.
2. Landscaping Behind Homes. Where the backs of two rows of homes abut one another, we recommend adding landscaping for buffering the homes and creating a greater sense of privacy and visual interest, similar to that behind units #57-61.
3. Pool and Clubhouse Screening. The pool and clubhouse should be screened from units #140-143.

SKETCH PLAN

A. General Comment. In order to accommodate a wide grass area surrounding the tract in the interest of privacy and security of existing residents, the resulting proposed neighborhood seems unfortunately packed together and isolated from the surrounding community, with little visual relief and open space which does not serve to provide usable, active open space for the development's residents nor for the adjacent neighborhoods. Most of the open space would consist of a grass buffer with no access, and thus provide neither ecological nor recreational benefits.

B. Transportation.

1. Sidewalks are required along both sides of the street.
2. Bus. The Route 28 bus serves the site. We suggest consulting with SEPTA about whether a bus shelter and concrete waiting pad would be appropriate at this location.
3. Intersections. The curving road intersections appear as if they are intended to calm traffic. Calming traffic is a desirable goal, but this design appears unnatural and may be confusing and disruptive to traffic flow (example: intersection of Roads A and E). These intersections seem suited for small traffic circles to slow traffic.



From "Designing Roundabouts to Support Walkability and Smart Growth," American Planning Association Webinar, 8/19/2022.

The applicant agreed to take another look at the intersection design shown on the sketch plan.

4. Guest Parking. We recommend providing guest parking in convenient locations distributed around the development.

C. Open Space.

1. Open space is subject to the requirements of the existing zoning ordinance's §2601.K. Very little of the open space shown on the proposed sketch plan would seem to meet the requirements, including:

    a. May consist of plazas, parks, central greens, urban gardens, and similar types of usable, public space.
    b. Open space shall be visible from dwellings and roadways. Most of the open land in the proposed neighborhood would be located in the wide clear zone along the tract periphery. That area would be hidden from the homes and roads by the development's layout and the proposed vegetative buffer.
    c. No individual open space area shall be smaller than 2,500 square feet.
    d. Land having a width of less than 25' may not be counted towards the minimum required open space area.
    e. Such areas shall be surrounded by streets and/or front facades of buildings along at least 45% of their perimeter.
    f. At least one focal element, such as a fountain, clock tower, sculpture, trellis, garden, or other public art feature should be located in each public open space area
    g. Open space area must have safe and convenient pedestrian and maintenance access, without obstruction of an intervening lot(s), structures, fences, or other impediments. The clear zone along the tract periphery would have no pedestrian accommodations.

2. Usable, Central Open Space. Proposed open space is difficult to discern on the sketch plan. It appears to consist of the pool, clubhouse, and a few small areas which might take the form of pocket parks if they were designed as such. We recommend that sidewalks, trails, and any other facilities that would increase the usability of the open space be shown (e.g., picnic area, gazebo, and community garden).

3. Riparian Corridor. The site is subject to the requirements of Article XV: the Riparian Corridor Conservation District. We recommend the boundaries of the corridor be designated on the plan.



4. The area along the tributary to the Pennypack Creek lies adjacent to Fox Chase Manor Park, 12 acres of land owned by the township. Would there be a benefit to dedicating this portion of the tract/greenway to the township, for consolidation with Fox Chase Manor Park? Management of the riparian, wooded, and sloped areas could be undertaken in a consistent manner.

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 municipality and final disposition for the approval of any proposal will be made by the municipality.

Sincerely,

Mike Narcowich, AICP, Community Planning Assistant Manager
mnarcowi@montcopa.org – 610-278-5238

c:
Lucy Strackhouse, Chair, Township Planning Commission
Toll Mid-Atlantic, L.P. Company, Inc., Applicant
Brian Thierrin, Toll Brothers, Applicant's Representative

Khaled R. Hassan, P.E., Pennoni, Township Engineer
Michael P. Clarke, Esq., Rudolph Clarke, LLC, Township Solicitor
Steve D'Antonio, City Service Planning, SEPTA

Attachment A: Aerial Image of Site
Attachment B: Reduced Copy of Applicant's Proposed Site Plan

ATTACHMENT A



ATTACHMENT B



TOWNSHIP OF ABINGTON
MONTGOMERY COUNTY, PENNSYLVANIA

ORDINANCE NO.

AN ORDINANCE AMENDING CHAPTER 162 – "ZONING", BY ADDING A NEW ARTICLE XVIIA TO ESTABLISH AN AR AGE-RESTRICTED CARRIAGE HOME OVERLAY DISTRICT, BY ADDING A NEW LAND USE CATEGORY IDENTIFIED AS AGE-RESTRICTED CARRIAGE HOME DWELLING UNIT, AND TO ADD AGE-RESTRICTED CARRIAGE HOME DWELLING UNIT TO THE COMPREHENSIVE USE MATRIX, AND BY AMENDING THE ABINGTON TOWNSHIP ZONING MAP TO ESTABLISH AN AR AGE-RESTRICTED CARRIAGE HOME OVERLAY DISTRICT.

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 and Section 609 of the Pennsylvania Municipalities Planning Code, 53 P.S. § 10609, 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, the Board of Commissioners of the Township has determined that the Code of Ordinances of the Township of Abington shall be amended at Chapter 162 – "Zoning" to create a CH Carriage Home Overlay District and the Zoning Map of Abington Township shall be amended to establish a CH Carriage Home Overlay District on a property located on the northeast side of Fox Chase Road 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:

SECTION I. <u>ZONING TEXT AMENDMENTS</u>. The Code of the Township of Abington is amended at Chapter 162 – "Zoning" as follows:

1. The Revised Abington Township Zoning Ordinance, as heretofore amended, Section 2301 (entitled "Categories of Permitted Uses"), Subsection H (entitled "Residential Uses") thereof, is hereby amended to add a new Article XVIIA as follows:

ARTICLE XVIIA: AR AGE-RESTRICTED CARRIAGE HOME OVERLAY DISTRICT

SECTION 1709. PURPOSE: The purpose and intent of the AR Age-Restricted Carriage Home Overlay District is to provide a specialized overlay district to facilitate residential living by persons that qualify for housing under The Housing for Older Persons Act of 1995, in areas of the Township that are otherwise zoned for certain institutional uses.

SECTION 1710. USE REGULATIONS: A building may be erected, altered or used, and a lot may be occupied or used, in whole or in part, for the following uses and no other, provided that such uses shall comply with the Overlay District regulations established in this Article and all applicable sections of this Ordinance:

A. *See* ***Comprehensive Use Matrix, Appendix.***

B. Accessory uses including clubhouse, swimming pool, bocce, indoor and outdoor recreational uses, trails, fitness center, guest parking, dog park, outdoor grilling, picnic areas and other similar uses to the foregoing.

SECTION 1711. DIMENSIONAL REGULATIONS: The dimensional regulations in the following chart are the Overlay District standards, which must be achieved any use, addition or alteration:

Figure 17.2

AR Age-Restricted Carriage Home Overlay District: Dimensional Requirements

Minimum Site Area		Lot Width	Lot Depth
40 acres gross		N/A	N/A
MINIMUM YARD DIMENSIONS			
Perimeter	Front	Side	Rear
Set back from tract perimeter: - From ultimate right-	30' dwelling set back from face of curb/edge of	N/A	N/A

of-way: 100 feet - From other tract boundary line: 125 feet	cartway		
COVERAGE (percentage of gross site area)			
Maximum Building Area		Maximum Impervious	Minimum Green Area
25%		50%	50%
OPEN SPACE			
Gross Site Area (in acres) x .40			
DENSITY			
Gross Site Area (in acres) x 3.4			
BUILDING DIMENSIONS			
Maximum Height		Maximum Length	Minimum Separation
35’ maximum, as defined by the Building Code of Abington Township (ICC)		160’	20’

SECTION 1712. SPECIAL DEVELOPMENT REGULATIONS:

A. No retail operations or land uses are permitted even as accessory uses.

B. Residential green area and buffer: Along any boundary line of the tract adjoining an existing residential use, an 85 foot wide green area shall be provided. In addition, a screening buffer conforming to the specifications of a high intensity buffer set forth in **§ 2403.B.4 Buffer Specifications**, with a depth of not less than 40 feet, shall be provided between the green area and any structure in the age-restricted carriage home development.

C. Open Space Requirements: Land preserved for open space purposes shall be in compliance with **Open Space Standards of the SALDO** for the Township Zoning Ordinance; provided however that age-restricted carriage home accessory uses such as clubhouse, swimming pool, bocce, indoor and outdoor recreational uses, trails, fitness center, guest parking, dog park, outdoor grilling, picnic areas and other similar uses to the foregoing shall be permitted in the open space.

SECTION 1714. SEVERABILITY: If any section, subsection, or clause of this ordinance shall be deemed to be unconstitutional or otherwise invalid, the validity of the remaining sections, subsections and clauses shall not be affected.

2. The Revised Abington Township Zoning Ordinance, as heretofore amended, Section 2301 (entitled “Categories of Permitted Uses”), Subsection H (entitled “Residential

Uses") thereof, is hereby amended to add a "Use H-12: Age-Restricted Carriage Homes" as follows:

> **Use H-12: Age-Restricted Carriage Home Dwelling Unit (Single-Family Attached):** A single-family attached dwelling unit that is age-restricted as provided for by The Housing for Older Persons Act of 1995, as amended. An age-restricted carriage home dwelling unit is a single-family attached dwelling within a multi-dwelling unit building consisting of at least 3 such dwelling units, but not more than 6 such dwelling units, with each unit occupying the total space from ground to roof, and joined to each other by not more than 2 vertical, common party walls, which also serve as the lot line dividing the properties.
>
> 1. Age-restricted carriage homes may be one-, two-, or three-level dwelling units, provided they do not exceed the district height limitation.
>
> 2. All age-restricted carriage home dwelling units must connect to public water and sewer.
>
> 3. Age-restricted carriage homes may be defined by the footprint of the dwelling unit. There is no minimum lot size requirement.
>
> 4. Age-restricted carriage homes shall be a minimum of 24' wide and 50' in depth.
>
> 5. Age-restricted carriage homes shall be setback at least 30' from the face of curb/edge of cartway.
>
> 6. Age-restricted carriage homes shall have a minimum building separation of 20'.

3. The Revised Abington Township Zoning Ordinance, as heretofore amended, the Comprehensive Use Matrix thereof, is hereby amended to add a new residential use category, H-12, Age-Restricted Carriage Home Dwelling Unit (Single-Family Attached), which shall only be permitted in the AR Overlay District, as follows: **See Attachment "A".**

SECTION 2. ZONING MAP AMENDMENT.

The Abington Township Zoning Map, Montgomery County, as heretofore amended, is hereby amended as follows:

> An AR Age-Restricted Carriage Home Overlay District is established on a property located the northeast side of Fox Chase Road, Montgomery County,

Pennsylvania, as delineated on Attachment "B", which shall overlay all existing and hereafter created underlying districts applicable to the property in the area designated as "AR Age-Restricted Carriage Home Overlay District" on Attachment "B" hereto.

SECTION 3. All other ordinances, portions of ordinances, or any section of the Code inconsistent with this Ordinance are hereby repealed.

SECTION 4. This Ordinance shall become effective five (5) days after enactment.

ORDAINED AND ENACTED this _____ day of _____, 2022.

TOWNSHIP OF ABINGTON
BOARD OF COMMISSIONERS

Attest:

_____ By: _____
, Secretary , President

ATTACHMENT "A"

Code	Use	Class (for MS Districts)	AO	BC: Lot < 1 Ac	BC: Abington Towne Center	BC: Foxcroft	BC: Huntingdon Valley	BC: Noble	BC: Willow Grove Park	CS	LP Overlay	MS-H	MS-L	MS-VC	R1	R2	R3	R4	RC	SI-G	SI-W	SNR	AR Overlay
A	**Accessory Uses**																						
A-6	Clubhouse	1	Y							Y	Y								Y			Y	Y
A-18	Outdoor Recreation, Uses Accessory to	N/A		N	N	N	N	N	N	Y		N	N	N			SE	SE	Y				Y
A-24	Swimming Pool	1	NOTE 4	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y
A-25	Tennis/Sports Court	1	NOTE 4	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y
H	**Residential Uses**																						
H-12	Age-Restricted Carriage Home Dwelling Unit (Single-Family Attached)	N/A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y

ATTACHMENT "B"

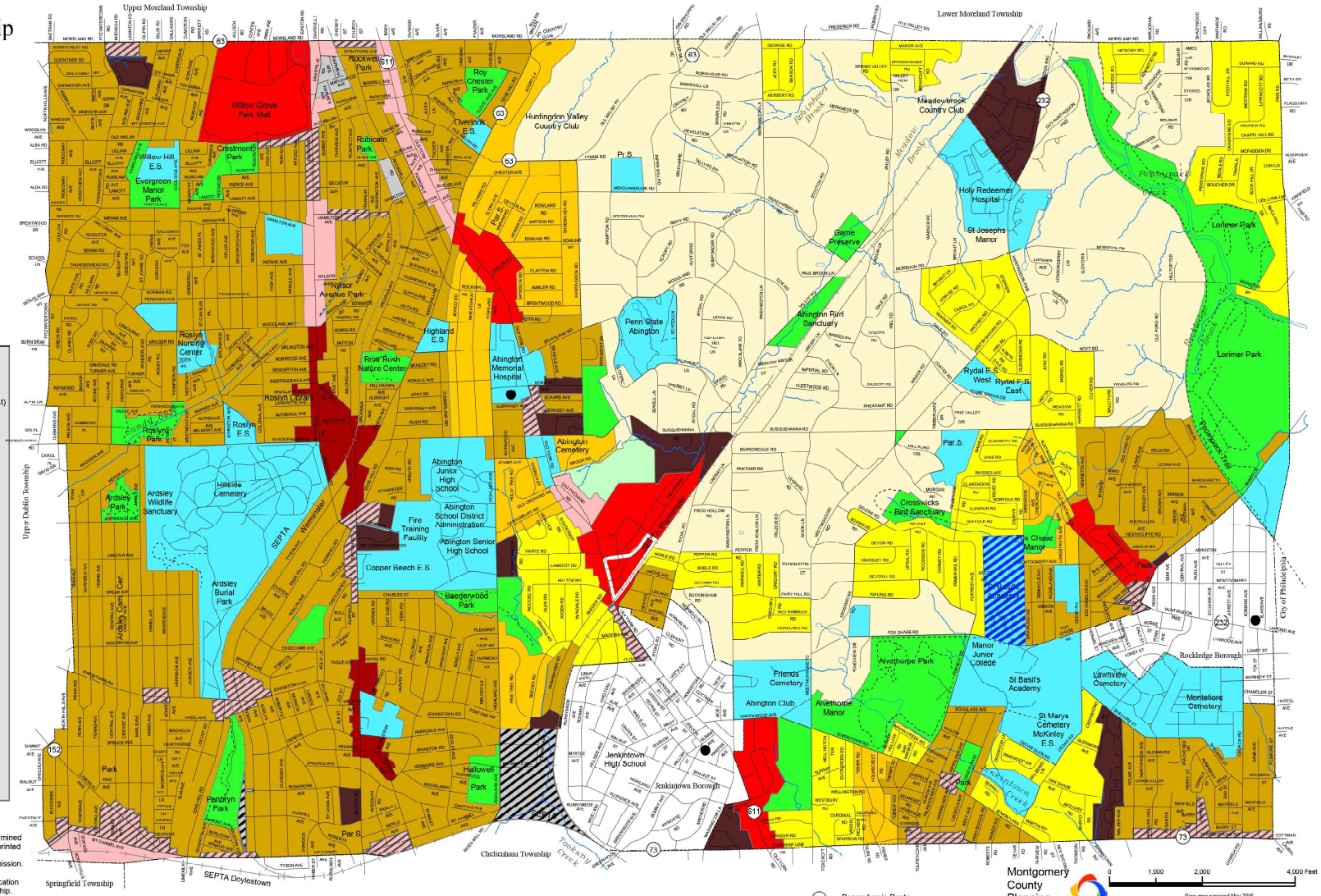
EXHIBIT "B"

Abington Township

Jenkintown and Rockledge Boroughs

Montgomery County, Pennsylvania

Proposed AR Age-Restricted Carriage Home Overlay District



Zoning Map

- streets
- railroads
- Triangle Area (Applicable to part of BC District)
- municipal
- Trail
- Streams
- Water Bodies
- RC Recreation/Conservation
- R1 Low Density Residential
- R2 Low-Medium Density Residential
- R3 Medium Density Residential
- R4 High Density Residential
- AO Apartment Office
- SNR Senior Neighborhood Residential
- BC Business Center
- MS-H Main Street High Intensity/Density
- MS-L Main Street Low Intensity/Density
- MS VC Village Center
- CS Community Service
- SI-G Suburban Industrial Glenside
- SI-W Suburban Industrial Willow Grove

Zoning boundaries as of April 2017

The Zoning Districts displayed on this map were determined by the Zoning Code of Abington Township. The date printed on this map is the latest information received from the Township by the Montgomery County Planning Commission. This information should not be considered the official "Adopted Zoning Map". Any question regarding the location of a district boundary should be directed to the Township.

611 Pennsylvania Route

Municipal Building

Multiuse Trail

P.S. Parochial School
Pr.S. Private School

Montgomery County Planning Commission

1,000 0 1,000 2,000 4,000 Feet

Base map prepared May 2016

Montgomery County Courthouse - Planning Commission
PO Box 311 ▪ Norristown PA 19404-0311
(p) 610.278.3722 ▪ (f) 610.278.3941
www.montcopa.org/plancom

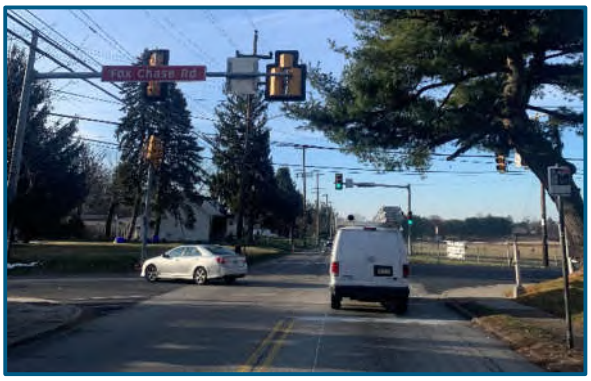
This map is based on 2015 ortho photography and official sources. Property lines were compiled from individual block maps from the Montgomery County Board of Assessment Appeals, with no verification from the deed. This map is not meant to be used as a legal definition of properties or for engineering purposes.

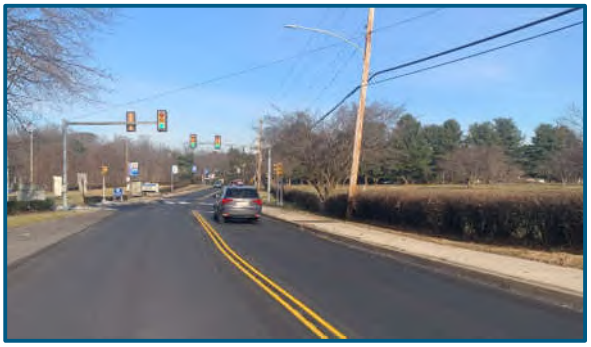
1/4" TRIM

1" TRIM

Transportation Impact Assessment for the St. Basil Redevelopment

Abington Township, Montgomery County, PA





COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
SANDY A. KOZA
ENGINEER
PE059911

Sandy A. Koza, P.E., PTOE
PA PE License Number PE059911

Prepared by
McMahon Associates, Inc.
425 Commerce Drive, Suite 200
Fort Washington, PA 19034
215.283.9444

Prepared for
Toll Brothers

February 10, 2022

McMahon Project Number 821051.12

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APPENDIX B - *PennDOT TIRe Data*
APPENDIX C - *Turning Movement Counts*
APPENDIX D - *Warrant Analysis Worksheets*
APPENDIX E - *Traffic Volume Projection Worksheets*
APPENDIX F - *Capacity/Level-of-Service Analysis Methodology*
APPENDIX G - *Existing Capacity/Level-of -Service Analysis Worksheets*
APPENDIX H - *2029 Future Without Development Capacity/Level-of -Service Analysis Worksheets*
APPENDIX I - *2029 Future With Development Capacity/Level-of -Service Analysis Worksheets*

Executive Summary

Toll Brothers proposes to redevelop the former St. Basil Academy located along Fox Chase Road across from Manor College in Abington Township, Montgomery County, Pennsylvania (see **Figure 1**). The redevelopment of the property is associated with a proposed Zoning Overlay District and Text Amendment. According to Concept "L" prepared by ESE Planning dated January 19, 2022, the existing St. Basil Academy is proposed to be rezoned to permit the development of approximately 150 age-restricted carriage homes. Access to the new residential subdivision would be provide via a full-movement access (Road A), which would be located along Fox Chase Road directly opposite the Manor College Access. An emergency only access is also proposed along Fox Chase Road located approximately 480 feet to the north of the signalized access. The two existing St. Basil's Academy accesses will then be removed. A schematic of the site plan is illustrated in **Figure 2.**

As the Township does not have specific requirements related to the preparation of a traffic impact studies, the scope of the study generally follows PennDOT's guidelines outlined in their *Policies and Procedures for Transportation Impact Studies,* as documented in Appendix A of PennDOT *Publication 282*. The purpose of this study is to evaluate the traffic impacts associated with the redevelopment of the parcel based upon the proposed Zoning Overlay District and Text Amendment. The scope of this study includes an evaluation of the existing weekday morning and weekday afternoon peak hours, as well as the future 2029 build-out year, both without and with the redevelopment of the parcel at the following study intersections:

- Fox Chase Road and Forrest Avenue;
- Fox Chase Road and Manor College/Proposed Local Road (Road A); and
- Fox Chase Road (S.R. 2019) and Cedar Road (S.R. 2058).

Based upon data compiled by the Institute of Transportation Engineers (ITE) in their publication entitled, *Trip Generation Manual, 11th Edition*, the proposed Zoning Overlay District and Text Amendment to permit the development of approximately 150 age-restricted carriage homes on the former St. Basil Academy parcel will generate approximately 836 total trips (entering and exiting) on a typical weekday, of which 53 and 61 total trips (entering and exiting) would be generated during the weekday morning and afternoon commuter peak hours. During a typical weekday, the school at its peak enrollment, as well as the permitted by-right life-care facility are projected to generate more trips than the proposed age-restricted carriage homes. The proposed age-restricted carriage homes also result in less peak hour trips during both the weekday morning and afternoon commuter peak period compared to the former school use at its peak enrollment and the by-right life-care facility. As a result, it can be concluded that the proposed Zoning Overlay District and Text Amendment for the parcel to permit the age-restricted carriage homes would result in less impacts to the area roadways than the former school use or a by-right life-care facility based upon the current zoning of the parcel.

Based upon the traffic evaluation, no off-site mitigation measures are recommended as the two signalized intersections along Fox Chase Road with Forrest Avenue and Cedar Road will both continue to operate at acceptable levels of service overall (LOS B or better) during both peak hours with the lane groups also operating acceptably (LOS D or better).

As the site access will be located directly opposite the Manor College Access along Fox Chase Road, it would then form the fourth leg of the traffic control signal. The following access improvements are recommended, which will require the review and approval of PennDOT and Abington Township:

- Provide one ingress lane and one egress lane for the access separated by a landscaped median;

- Relocate and replace any impacted traffic signal equipment due to the inclusion of the new access road;
- Provide pedestrian equipment and pushbuttons to/from all corners of the signalized intersection of Fox Chase Road (SR 2019) with Manor College Access and the proposed site access (Road A); and
- Provide ADA compliant ramps and/or landing areas to/from northwest and northeast quadrants of the intersection as a result of the fourth leg.

The proposed emergency access will also require review and coordination with Abington Township's emergency service providers. Since the former parcel use was a school, it is recommended that any associated wayfinding signage for the school be removed and that the school speed limit signing, flashing devices, and other associated school signage along Fox Chase Road be removed in conjunction with the redevelopment of the parcel.

The traffic analyses contained herein reveal that efficient access to and from the proposed redevelopment can be provided, and furthermore, site-generated traffic can be accommodated at the study area intersections.

Existing Transportation Settings and Conditions

The former St. Basil Academy, which is proposed to be redeveloped based upon a proposed Zoning Overlay District and Text Amendment, is located along Fox Chase Road across from Manor College in Abington Township, Montgomery County, Pennsylvania (see **Figure 1**). The existing roadways and intersections in the vicinity of the site, which comprise the study area roadway network, are described in this section.

Roadway Characteristics

The study area roadway network and characteristics are summarized below in **Table 1**.

Table 1. Existing Roadway Characteristics

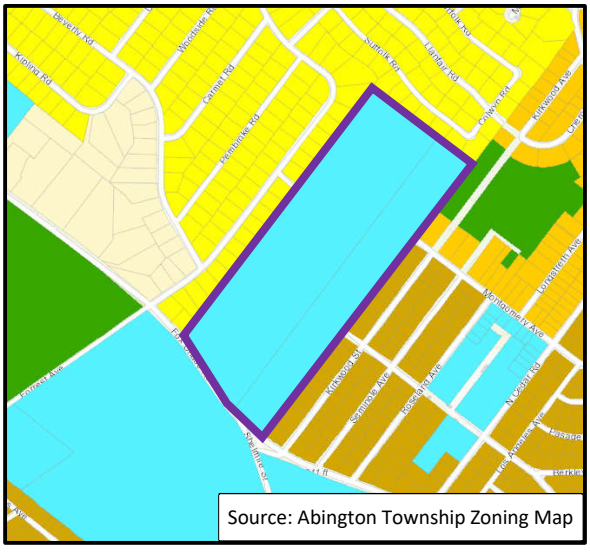
Roadway Name (Jurisdiction)	Average Daily Traffic Volumes (vehicles per day)	Roadway Classification		Travel Lanes (per direction)	Posted Speed Limit (mph)
		PennDOT Typology (1)	PennDOT (2) / Township		
Fox Chase Road (Township)	4,232 (3)	Community Collector	Primary Street	1	35
Fox Chase Road (S.R. 2019 – State)	5,664 (3)	Community Collector	Urban, Major Collector	1	35
Forrest Avenue (Township)	n/a	Local	Local	1	25
Cedar Road (S.R. 2058 – State)	7,065 (3)	Community Collector	Urban, Major Collector	1	35

(1) Based on Table 1.2 – Roadway Typologies in the PennDOT *Publication 13M, Design Manual Part 2*.
(2) Based on the roadway classifications provided on PennDOT's Traffic Information Repository (TIRe) website.
(3) Based on traffic data from PennDOT's Traffic Information Repository (TIRe) website.

The following key intersections in the vicinity of the site comprise the study area:

- Fox Chase Road and Forrest Avenue;
- Fox Chase Road and Manor College/Proposed Local Road (Road A); and
- Fox Chase Road (S.R. 2019) and Cedar Road (S.R. 2058).

The existing characteristics of the study intersections, including photographs, field sketches, and signal permit plans are provided in **Appendix A**.



Land Use Context

The proposed development is currently located in Abington Township, within the CS – Community Service zoning district as seen in the Abington Township Zoning Map illustrated in **Exhibit A**. The proposed redevelopment of the parcel to provide for the age-restricted carriage homes is based upon the proposed Zoning Overlay District and Text Amendment.

Pedestrian, Bicycle, and Transit Facilities

Under current conditions, there is no sidewalk provided along the site's Fox Chase Road (SR 2019) frontage from where it terminates to the south across from the signalized access to Manor College and to the northern full-movement access for St. Basil's Academy. On the opposite side of Fox Chase Road, the sidewalk terminates on the north side of the signalized access for Manor College and a paved asphalt trail is then provided. With the redevelopment of the site, ADA compliant curb ramps and crosswalks will be provided at the signalized access, as well as pedestrian pushbuttons and equipment for all corners.

SEPTA Bus Route 28 currently provide provides services between Torresdale-Cottman to Fern Rock Transportation Center and includes a dedicated route along Fox Chase Road (SR 2019) from Forrest Avenue to Cedar Road. There is currently a box stop with a shelter provided on the west side of Fox Chase Road (SR 2019), to the north of the signalized Manor College access and on the east side of Fox Chase Road (SR 2019), there is a landing area provided adjacent to a utility pole that is to the south of the former main access for St. Basil's Academy.

There are currently no dedicated on-road bicycle lanes provided along Fox Chase Road or off-road paths provided along the site frontage. A review of the *DRAFT Township of Abington Master Bicycle Plan*, dated September 2015, does indicate future connections in the area provided along Forrest Avenue, as well as Fox Chase Road from Manor College to Cedar Road, which would most likely be an off-road path in this area. This item will be investigated during the land development phase of the site.

Traffic Count Data

Daily traffic counts were obtained from PennDOT's Traffic Information Repository (TIRe) website, which is summarized in Table 1. Copies of the daily traffic data is provided in **Appendix B**. Turning movement traffic counts, were conducted in January 2022 during the weekday morning (7:0 AM to 9:00 AM) and weekday afternoon (4:00 PM to 6:00 PM) peak periods. The results of these traffic counts are tabulated by 15-minute intervals in **Appendix C**. The four highest consecutive 15-minute peak intervals during these traffic count periods constitute the peak hours that are the basis of this traffic analysis.

Traffic volumes along Fox Chase Road were conservatively balanced between the Manor College Access and Forrest Avenue, resulting in a net zero difference in volumes between these two intersections. The resultant peak hour traffic volumes are depicted in **Figure 3A** for the weekday morning and weekday afternoon peak hours. These traffic volumes were then analyzed to determine the existing operating conditions, and the results are shown on **Figure 3B.** Specific details regarding the analysis results and traffic operations are provided later in this report.

Crash Summary

Reportable crash data was obtained from PennDOT for the most recent available five-year period, from January 1, 2016 to December 31, 2020. A reportable crash is one in which an injury occurred and/or a vehicle was towed from the scene. Typically, PennDOT considers five reportable, correctable crashes within a 12-month period a threshold value which would result in further analysis to determine if safety improvements should be provided.

Table 2 below summarizes the frequency of the crashes within the study area, while **Table 3** summarizes the types of crashes. Based upon a review of the crash data, there were no discernable crash patterns.

Table 2. Reportable Crash Summary by Year

Location along Fox Chase Road	Crash Frequency Per Year					Total	Average Per Year
	2016	2017	2018	2019	2020		
Intersection with Forrest Avenue	0	0	1	0	0	1	0.3
Site Frontage	0	1	0	0	0	1	0.3
Intersection with Manor College Access	0	0	0	0	0	0	0.0
Intersection with Cedar Road (S.R. 2058)	0	2	2	1	2	7	1.8
Total	**0**	**3**	**3**	**1**	**2**	**9**	**2.1**

Table 3. Reportable Crash Summary by Type

Location along Fox Chase Road	Crash Type			Total
	Angle	Rear-End	Pedestrian	
Intersection with Forrest Avenue	0	0	1	1
Site Frontage	0	1	0	1
Intersection with Manor College Access	0	0	0	0
Intersection with Cedar Road (S.R. 2058)	6	1	2	7
Total	**6**	**2**	**1**	**9**

Site Characteristics

This section presents the details regarding the proposed site, including the incremental increase in traffic volumes generated by the development during the peak hours and the distribution of site traffic to the study area roadways, as well as the proposed site access configuration, traffic control, and sight distance requirements. A trip generation comparison to the former St. Basil Academy and the by-right use based upon the current zoning is also provided.

Trip Generation

The site parcel currently contains the former St. Basil Academy, which was a private school for girls in grades 9 through 12 that closed following the end of the 2020 to 2021 school year on June 21, 2021. According to an article published by CatholicPhilly.com, the school enrollment was as high as 400 students, but had declined to 226 students in the 2020 to 2021 school year. The school had classes from 8:00 AM to 2:55 PM, with the doors opening as early as 7:00 AM. During the 2020 to 2021 school year, the school operated under a hybrid model due to the COVID-19 restrictions. According to the school's website, in-person classes were held on Mondays and Wednesday for grades 9 and 10 and on Tuesdays and Thursdays for grades 11 and 12 with Friday classes alternating between in-person and virtual classes for the two groups.

Typical weekday daily, commuter weekday morning (7:00 AM to 9:00 AM), and weekday afternoon (4:00 PM to 6:00 PM) trip generation characteristics have been estimated for the former private school based upon the peak and current student enrollment, the proposed zoning to allow the age-restricted carriage homes, and the by-right life-care facility. The trip generation characteristics are based upon data compiled by the Institute of Transportation Engineers (ITE) in their publication entitled, *Trip Generation Manual, 11th Edition*.

Table 4 provides a summary of the vehicular trip generation characteristics for the former school, the proposed age-restricted carriage homes that would be permitted within the zoning overlay district and text amendment, and the permitted by-right life-care facility based upon the current zoning of the parcel. During a typical weekday, the school at its peak enrollment, as well as the permitted by-right life-care facility are projected to generate more trips than the proposed age-restricted carriage homes. The proposed age-restricted carriage homes also result in less peak hour trips during both the weekday morning and afternoon commuter peak period compared to the former school use at its peak enrollment and the by-right life-care facility. As a result, it can be concluded that the proposed Zoning Overlay District and Text Amendment for the parcel to permit the age-restricted carriage homes would result in less impacts to the area roadways than the former school use or a by-right life-care facility based upon the current zoning of the parcel.

Trip Distribution and Assignment

Site-generated traffic will approach and depart the site via different routes depending on factors such as the existing traffic patterns, location of major roadways, and the location of the development's site access. The distribution percentages for the anticipated directions of approach and departure are illustrated in **Figure 4A**, based upon a typical cordon-area of the study intersections. Application of the percentages in Figure 4A to the trips associated with the proposed age-restricted carriage homes from Table 4, provides an estimate of the site traffic to be added to the study area, which is then illustrated in **Figure 4B** for the peak hours.

Table 4 –Vehicular Trip Generation Comparison [1]

Land Use	Size/ Variable	Daily	Weekday Morning Peak Hour (7:00 AM to 9:00 AM)			Weekday Afternoon Peak Hour (4:00 PM to 6:00 PM)		
			In	Out	Total	In	Out	Total
Existing School [2]								
Peak Enrollment	400 students	992	203	119	322	29	39	68
2020 to 2021 Enrollment	226 students	560	118	70	188	16	22	38
Zoning Overlay District & Text Amendment								
Proposed Age-Restricted Carriage Homes [3]	**150 d.u.**	**836**	**17**	**36**	**53**	**37**	**24**	**61**
Permitted By-Right Life-Care Facility								
Dependent Care: Personal [4]	152 d.u.	395	16	11	27	14	22	36
Dependent Care: Congregate/Personal [5]	60 d.u.	133	3	3	6	6	6	12
Apartments [6]	331 d.u.	981	22	42	64	46	37	83
Total	543 d.u.	1,509	41	46	97	66	65	131

(1) Based on the Institute of Transportation Engineers' (ITE) *Trip Generation Manual, 11th Edition.*
(2) Daily and weekday afternoon is based on the rates for ITE Land Use Code 532: Private School (K-12), while the weekday morning is based on equations.
(3) Based on the equations for ITE Land Use Code 251: Senior Adult Housing – Single-Family.
(4) Based on the rates for ITE Land Use Code 254: Assisted Living.
(5) Daily is based on the rates for ITE Land Use Code: 253 – Congregate Care Facility, while the weekday morning and afternoon is based on the equations
(6) Based on the equations for ITE Land Use Code 252: Senior Adult Housing – Multifamily.

School Signage and Equipment

With the redevelopment of the site, a thorough review of area signage will need to be conducted to remove all traffic control devices, including any school crossing and speed limit devices from the area, as well as any associated wayfinding signs for the former school. At a minimum, there is an overhead mast-arm with a flashing beacon provided for vehicles traveling north that is located on the west side of Fox Chase Road to the south of Kirkwood Avenue that will need to be removed and for vehicles traveling south, there is an overhead mast-arm with a flashing beacon located on the east side of Fox Chase Road, to the north of the St. Basil's Academy northern access.

Site Access Configuration and Traffic Control

The existing St. Basil's Academy has one main vehicular access located along Fox Chase Road (SR 2019) approximately 410 feet south of Forrest Avenue and a second access located 265 feet south of the main access, which has gates and bollards that restrict vehicles from utilizing the access. With the redevelopment of the site, the existing accesses would be closed and a new full-movement access (Road A) would be provided along Fox Chase Road directly opposite the access for Manor College, forming the fourth leg of the intersection, which would be designed to provide a landscaped median separating the single ingress lane and single egress lane for the access. An emergency only access is also proposed along Fox Chase Road located approximately 480 feet to the north of the signalized access.

The need for separate left- and/or right-turn lanes at the signalized intersection of Fox Chase Road with Manor College Access/Proposed Local Road (Road A) was based on the current PennDOT guidelines in accordance with *Publication 46, Chapter 11 – Traffic Studies*. **Table 5** summarizes the results of the auxiliary turn lane warrants for the local road intersection along Fox Chase Road. The various warrant/guideline analysis worksheets are contained in **Appendix D**.

Table 5 – Turn Lane Warrant Summary for the Intersection of Fox Chase Road with Manor College Access/Proposed Local Road (Road A)

Approach and Movement	Warrant Satisfied? (1)	Required Lane Length (1)	Proposed Lane Length (feet)
Southbound Left	No	Not Required	n/a
Northbound Right	No	Not Required	n/a
Northbound Left	No	Not Required	n/a

As the site access will be located directly opposite the Manor College Access along Fox Chase Road, the left-turn conflict factors were also reviewed for all of the approaches to determine if separate left-turn phasing should be provided for any of the approaches. The worksheet for this evaluation is also contained in Appendix D, which does not indicate the need for left-turn phasing on any of the approaches. The following access improvements are recommended, which will require the review and approval of PennDOT and Abington Township:

- Provide one ingress lane and one egress lane for the access separated by a landscaped median;
- Relocate and replace any impacted traffic signal equipment due to the inclusion of the new access road;
- Provide pedestrian equipment and pushbuttons to/from all corners of the signalized intersection of Fox Chase Road (SR 2019) with Manor College Access and the proposed site access (Road A); and
- Provide ADA compliant ramps and/or landing areas to/from northwest and northeast quadrants of the intersection as a result of the fourth leg.

Sight Distance

An evaluation of the existing available sight distance at the proposed Fox Chase Road access was performed to determine if safe sight distances are available, which would allow for right-turn on red movements to be made at the signalized access. Generally, the prevailing travel speed, roadway grades and profiles, and number of travel lanes play a role in determining if safe sight distances are available.

Table 6 provides a summary of the existing available distance for egress vehicles looking to the left, which does meet the minimum required sight distance to permit right turn on red movements according to *Exhibit 4-22 of PennDOT Publication 46*. This distance will be confirmed during the highway occupancy permit phase of the project when the signal is designed. The distances for a left-turn vehicle looking ahead and for a vehicle approaching from the rear are also adequate based upon the minimum intersection sight distance criteria from the American Association of State Highway and Transportation Officials (AASHTO) in their publication entitled *A Policy on Geometric Design of Highways and Streets.*

Table 6 - Sight Distance Evaluation
Proposed Fox Chase Road Access (Road A)

Movement	Direction	Posted Speed (mph)	Approximate Grade	Minimum Required Sight Distance (feet)	Available Sight Distance (feet)	Meets Criteria?
Exiting	**Looking Left**	35	+2%	247 (1)	253 (3)	Yes
Left-Turn Entering	**Looking Ahead**	35	+2%	285 (2)	441	Yes
	From the Rear	35	-2%	285 (2)	470	Yes

(1) Meets PennDOT's minimum sight distance criteria from *Exhibit 4-22 of Publication* 46 to allow for right-turn on red movements based on the posted speed limit and a grade of 0%. .

(2) Based on Table 9-17 for a left-turn from the major road from AASHTO's *A Policy on Geometric Design of Highways and Streets.* PennDOT's desirable sight distance for a left-turning vehicle entering from a main highway is 300 feet based *on Table 5 of Title 67 Chapter 441* for a travel speed of 35 miles per hour, which is also met.

(3) Requires removal of existing vegetation along site frontage.

A clear sight distance triangle will also be maintained for the proposed access in accordance with *Section 146-25.F. of the SALDO*. The triangle will be measured along the center line a minimum of 65 feet from the point of intersection and no vegetation or other obstruction will be provided in this area, with the exception of the traffic signal equipment. The sight distance will be further evaluated during the land development phase of the project with the Township, as well as the during the traffic signal design phase with PennDOT.

Future Traffic Conditions

This section presents the future build-out year 2029 traffic conditions, both without and with the proposed redevelopment of the St. Basil Academy based upon the proposed zoning overlay district and text amendment to allow for the age-restricted carriage homes, which are anticipated to be constructed and occupied by 2029. The future 2029 build-out year without-development traffic volumes were estimated by increasing the existing 2022 traffic volumes to account for regional growth, as described below. The incremental increase due to the anticipated trip generation for the site was then added, resulting in the future 2029 build-out year with-development traffic volumes.

Regional Traffic Growth

To account for regional traffic growth, the existing traffic volumes were increased by an annual traffic growth rate of 0.33 percent per year, which was compounded for three years to 2029 or 2.33 percent total. This growth rate is consistent with the traffic growth rate recommended by the PennDOT Bureau of Planning and Research's *Growth Factors for August 2021 and July 2022* for similar urban, non-interstate roadways in Montgomery County. There are no other known developments within Abington Township in this area of the Township, which would impact the study area intersections.

Planned Roadway Improvements

There are no known roadway improvement projects planned by PennDOT, the County, or the Township that would impact the operations of the study area intersections.

Future Traffic Volumes

The total background growth traffic volumes were then added to the existing 2022 traffic volumes, resulting in the future 2029 without-development traffic volumes. Next, the site generated traffic volumes, as shown in Figure 4B, were added to the future 2029 without-development traffic volumes, resulting in the future 2029 with-development traffic volumes.

The resultant future 2029 peak hour traffic volumes without development are illustrated in **Figure 5A,** and the future 2029 with-development peak hour traffic volumes are illustrated in **Figures 5B** for the weekday morning and weekday afternoon. These traffic volumes were then analyzed to determine the future 2029 without and with development traffic operating conditions, and the results of this analysis are shown in **Figures 5C and 5D.** Detailed traffic volume projection worksheets are provided in **Appendix E.**

Capacity/Level-of-Service Results

The peak hour traffic volumes were analyzed to determine the existing and future traffic operating conditions, both without and with the proposed age-restricted carriage homes, in accordance with the standard techniques contained in the current *Highway Capacity Manual (6th Edition)* for signalized intersections. The HCM 6th Edition Methodology within Synchro 10.3 (build 151, rev. 0) traffic analysis software was utilized in the traffic analyses.

These standard capacity/level-of-service analysis techniques, which calculate total control delay, are described in **Appendix F** for signalized intersections, as well as the correlation between average total control delay and the respective level-of-service (LOS) criteria for each intersection type. The following procedures and assumptions were utilized for the analysis, which are also based upon PennDOT's *Policies and Procedures for Transportation Impact Studies Related to Highway Occupancy Permit Plans,* as well as other general engineering principals:

- For signalized intersections, the Pennsylvania base saturation flow rate (Exhibit 10-9) and Pennsylvania traffic signal control calibration parameters (Exhibit 10-10) outlined in PennDOT's *Publication 46, Traffic Engineering Manual*, were used.

- If the evaluation of without-development to with-development conditions indicates that the overall intersection level-of-service has dropped, mitigation will be required if the increase in delay is greater than 10 seconds. If the overall intersection delay increase is less than or equal to 10 seconds, mitigation of the intersection will not be required.

- The existing traffic signal phasing at the intersection of Fox Chase Road (S.R. 2019) and Cedar Road is not currently supported by the *Highway Capacity Manual* methodology due to the advanced left-turn phases provided on two approaches where separate left-turn lanes are not provided. Therefore, delay and queue results for this intersection are based on the Synchro percentile methodology.

The existing, future build-out year 2029 traffic conditions, both without and with the proposed development, are summarized in **Figures 3B, 5C, and 5D,** respectively. The detailed capacity/level-of-service analysis worksheets are provided in **Appendices G, H, and I**. **Table 6** below summarizes the overall levels of service for the study area intersections for the two peak hours. The detailed results of the level-of-service analysis and the 95th percentile queues are contained in the matrices provided in **Tables 7 and 8**, respectively.

Based on the results of the analysis, mitigation measures are not required at the two off-site study area intersections as a result of the redevelopment of the site. All of the study area intersections are anticipated to operate at acceptable levels of service overall (LOS B or better) during both peak hours with the corresponding lane groups also operating acceptably (LOS D or better).

Table 6. Overall Intersection Levels-of-Service

Weekday Morning Peak Hour

Intersection of Fox Chase Road	Overall Level-of-Service (Delay in Seconds)		Drop in LOS/ Increase in Delay (2)	Requires Mitigation
	Without Development	With Development (1)		
Forrest Avenue	A (8.9)	A (8.8)	No LOS Drop	No
Manor College Access/Proposed Local Road	A (1.7)	A (3.5)	No LOS Drop	No
Cedar Road (S.R. 2058)	C (27.3)	C (27.9)	No LOS Drop	No

Weekday Afternoon Peak Hour

Intersection of Fox Chase Road	Overall Level-of-Service (Delay in Seconds)		Drop in LOS/ Increase in Delay (2)	Requires Mitigation
	Without Development	With Development (1)		
Forrest Avenue	A (9.4)	A (9.3)	No LOS Drop	No
Manor College Access/Proposed Local Road	A (3.8)	A (4.4)	No LOS Drop	No
Cedar Road (S.R. 2058)	C (26.2)	C (27.4)	No LOS Drop	No

(1) With-development base conditions without improvements.
(2) Based on the difference in delay from without-development to with-development conditions, in accordance with PennDOT's level of service requirements.

Conclusions and Recommendations

The proposed Zoning Overlay District and Text Amendment to permit the development of approximately 150 age-restricted carriage homes on the former St. Basil Academy parcel will generate approximately 836 total trips (entering and exiting) on a typical weekday, of which 53 and 61 total trips (entering and exiting) would be generated during the weekday morning and afternoon commuter peak hours. During a typical weekday, the school at its peak enrollment, as well as the permitted by-right life-care facility are projected to generate more trips than the proposed age-restricted carriage homes. The proposed age-restricted carriage homes also result in less peak hour trips during both the weekday morning and afternoon commuter peak period compared to the former school use at its peak enrollment and the by-right life-care facility. As a result, it can be concluded that the proposed Zoning Overlay District and Text Amendment for the parcel to permit the age-restricted carriage homes would result in less impacts to the area roadways than the former school use or a by-right life-care facility based upon the current zoning of the parcel.

Based upon the traffic evaluation, no off-site mitigation measures are recommended as the two signalized intersections along Fox Chase Road with Forrest Avenue and Cedar Road will both continue to operate at acceptable levels of service overall (LOS B or better) during both peak hours with the lane groups also operating acceptably (LOS D or better).

As the site access will be located directly opposite the Manor College Access along Fox Chase Road, it would then form the fourth leg of the traffic control signal. The following access improvements are recommended, which will require the review and approval of PennDOT and Abington Township:

- Provide one ingress lane and one egress lane for the access separated by a landscaped median;
- Relocate and replace any impacted traffic signal equipment due to the inclusion of the new access road;
- Provide pedestrian equipment and pushbuttons to/from all corners of the signalized intersection of Fox Chase Road (SR 2019) with Manor College Access and the proposed site access (Road A); and
- Provide ADA compliant ramps and/or landing areas to/from northwest and northeast quadrants of the intersection as a result of the fourth leg.

The proposed emergency access will also require review and coordination with Abington Township's emergency service providers. Since the former parcel use was a school, it is recommended that any associated wayfinding signage for the school be removed and that the school speed limit signing, flashing devices, and other associated school signage along Fox Chase Road be removed in conjunction with the redevelopment of the parcel.

The traffic analyses contained herein reveal that efficient access to and from the proposed redevelopment can be provided, and furthermore, site-generated traffic can be accommodated at the study area intersections.

Table 7 - Level of Service Matrices

1. Fox Chase Road and Forrest Avenue

Time Period			Weekday Morning Peak Hour			Weekday Afternoon Peak Hour		
Design Year			2022	2025 Build-Out Year		2022	2025 Build-Out Year	
Development Condition			Existing	w/o Dev	w/Dev	Existing	w/o Dev	w/Dev
Forrest Avenue	EB	Left	C	C	C	C	C	C
		Thru						
		Right	21.6	21.7	21.7	22.5	22.5	22.6
	WB	Left	C	C	C	C	C	C
		Thru						
		Right	21.3	21.3	21.3	20.7	20.7	20.7
Fox Chase Road	NB	Left	A	A	A	A	A	A
		Thru						
		Right	3.7	3.7	3.7	3.4	3.4	3.4
	SB	Left	A	A	A	A	A	A
		Thru						
		Right	3.1	3.2	3.2	3.2	3.2	3.2
Overall			A	A	A	A	A	A
			8.8	8.9	8.8	9.3	9.4	9.3

Table 7 - Level of Service Matrices

3. Fox Chase Road and Manor College Access / Proposed Local Road

Time Period			Weekday Morning Peak Hour			Weekday Afternoon Peak Hour		
Design Year			2022	2025 Build-Out Year		2022	2025 Build-Out Year	
Development Condition			Existing	w/o Dev	w/Dev	Existing	w/o Dev	w/Dev
Manor College Access	EB	Left	C	C	C	C	C	C
		Thru	26.5	26.5	24.7	29.6	29.6	25.5
		Right						
Proposed Local Road	WB	Left	-	-	C	-	-	C
		Thru			26.1			25.0
		Right						
Fox Chase Road	NB	Left	A	A	A	A	A	A
		Thru	1.5	1.5		1.7	1.7	
		Right	-	-	1.9	-	-	1.9
	SB	Left	-	-	A	-	-	A
		Thru	A	A		A	A	
		Right	1.5	1.5	1.8	1.9	1.9	2.1
Overall			A	A	A	A	A	A
			1.7	1.7	3.5	3.7	3.8	4.4

Table 7 - Level of Service Matrices

4. Fox Chase Road (S.R. 2019) and Cedar Road (S.R. 2058)

Time Period			Weekday Morning Peak Hour			Weekday Afternoon Peak Hour		
Design Year			2022	2025 Build-Out Year		2022	2025 Build-Out Year	
Development Condition			Existing	w/o Dev	w/Dev	Existing	w/o Dev	w/Dev
Cedar Road (S.R. 2058)	EB	Left	C	C	C	C	C	C
		Thru	22.7	23.8	25.2	20.7	21.7	24.1
		Right						
	WB	Left	C	C	C	C	C	C
		Thru	33.8	34.4	34.7	32.8	33.5	33.8
		Right						
Fox Chase Road (S.R. 2019)	NB	Left	D	D	D	D	D	D
		Thru	36.3	37.2	38.0	35.4	35.8	36.6
		Right						
Fox Chase Road	SB	Left	B	B	B	B	B	B
		Thru	14.8	15.1	16.1	18.4	18.7	19.7
		Right						
Overall			C	C	C	C	C	C
			26.5	27.3	27.9	25.5	26.2	27.4

Table 8- 95th Percentile Queue Matrices

1. Fox Chase Road and Forrest Avenue

Time Period			Current Storage [1]	Weekday Morning Peak Hour			Weekday Afternoon Peak Hour		
Design Year				2022	2025 Build-Out Year		2022	2025 Build-Out Year	
Development Condition				Existing	w/o Dev	w/Dev	Existing	w/o Dev	w/Dev
Forrest Avenue	EB	Left	*2,950'*	48	48	48	65	68	68
		Thru							
		Right							
	WB	Left	-	50	50	53	35	35	38
		Thru							
		Right							
Fox Chase Road	NB	Left	*775'*	33	35	38	25	28	25
		Thru							
		Right							
	SB	Left	*3,425'*	25	25	25	25	25	25
		Thru							
		Right							

(1) Distance to adjacent intersections shown in italics.

Table 8- 95th Percentile Queue Matrices

3. Fox Chase Road and Manor College Access / Proposed Local Road

Time Period			Current Storage [1]	Weekday Morning Peak Hour			Weekday Afternoon Peak Hour		
Design Year				2022	2025 Build-Out Year		2022	2025 Build-Out Year	
Development Condition				Existing	w/o Dev	w/Dev	Existing	w/o Dev	w/Dev
Manor College Access	EB	Left	-	25	25	25	25	25	25
		Thru							
		Right							
Proposed Local Road	WB	Left	-	-	-	25	-	-	25
		Thru							
		Right							
Fox Chase Road	NB	Left	*1450'*	25	25	25	25	25	25
		Thru							
		Right		-	-		-	-	
	SB	Left	*775'*	-	-	25	-	-	25
		Thru		25	25		25	25	
		Right							

(1) Distance to adjacent intersections shown in italics.

Table 8- 95th Percentile Queue Matrices

4. Fox Chase Road (S.R. 2019) and Cedar Road (S.R. 2058)

Time Period			Current Storage [1]	Weekday Morning Peak Hour			Weekday Afternoon Peak Hour		
Design Year				2022	2025 Build-Out Year		2022	2025 Build-Out Year	
Development Condition				Existing	w/o Dev	w/Dev	Existing	w/o Dev	w/Dev
Cedar Road (S.R. 2058)	EB	Left	*4,875'*	234	242	245	256	268	284
		Thru							
		Right							
	WB	Left	*2,050'*	246	253	256	253	263	273
		Thru							
		Right							
Fox Chase Road (S.R. 2019)	NB	Left	-	184	192	196	155	158	165
		Thru							
		Right							
Fox Chase Road	SB	Left	*1,450'*	144	149	167	191	195	208
		Thru							
		Right							

(1) Distance to adjacent intersections shown in italics.

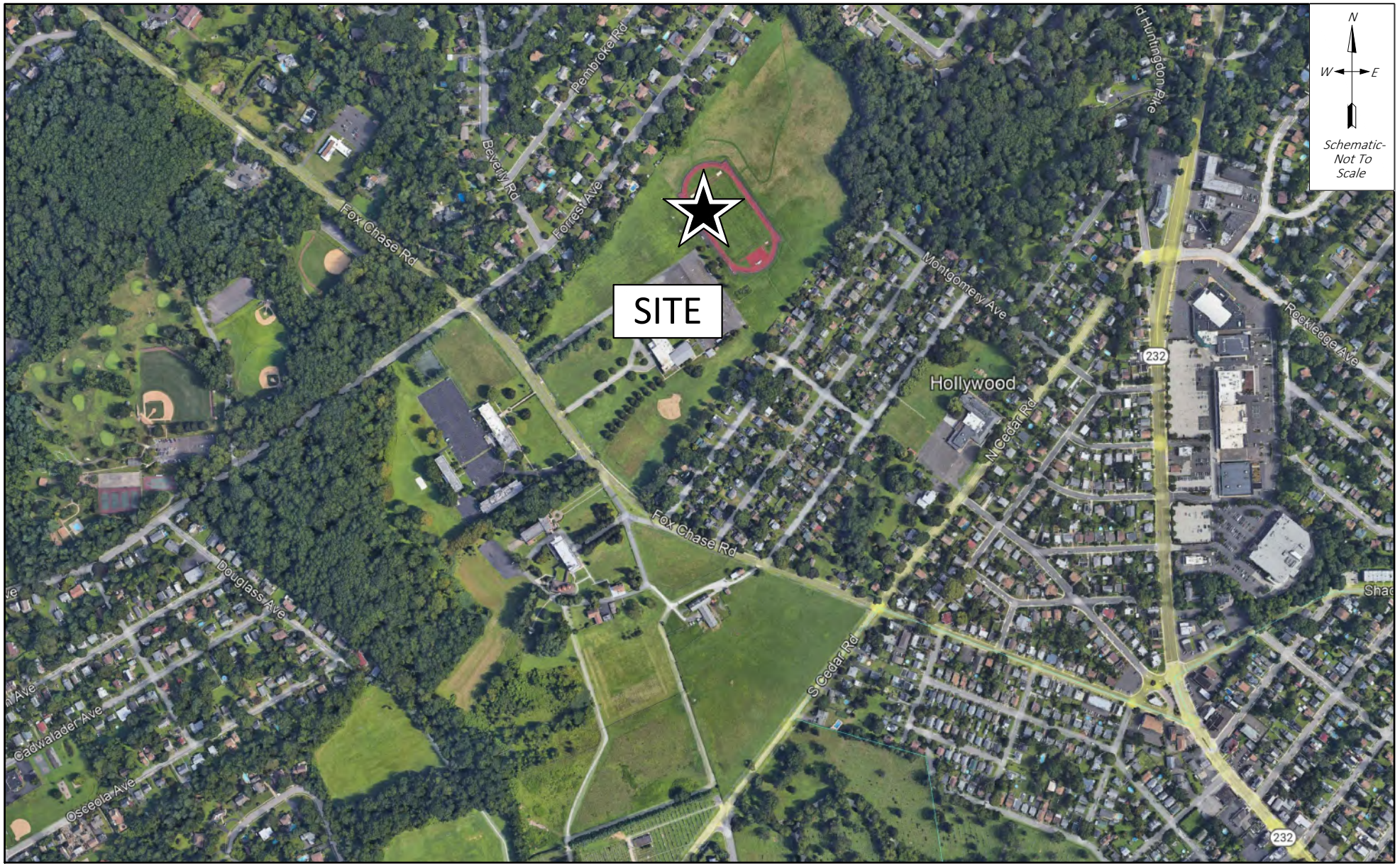


FIGURE 1

Location Map

ST. BASIL REDEVELOPMENT

ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PA

McMAHON

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FIGURE 2

Site Plan

ST. BASIL REDEVELOPMENT

ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PA

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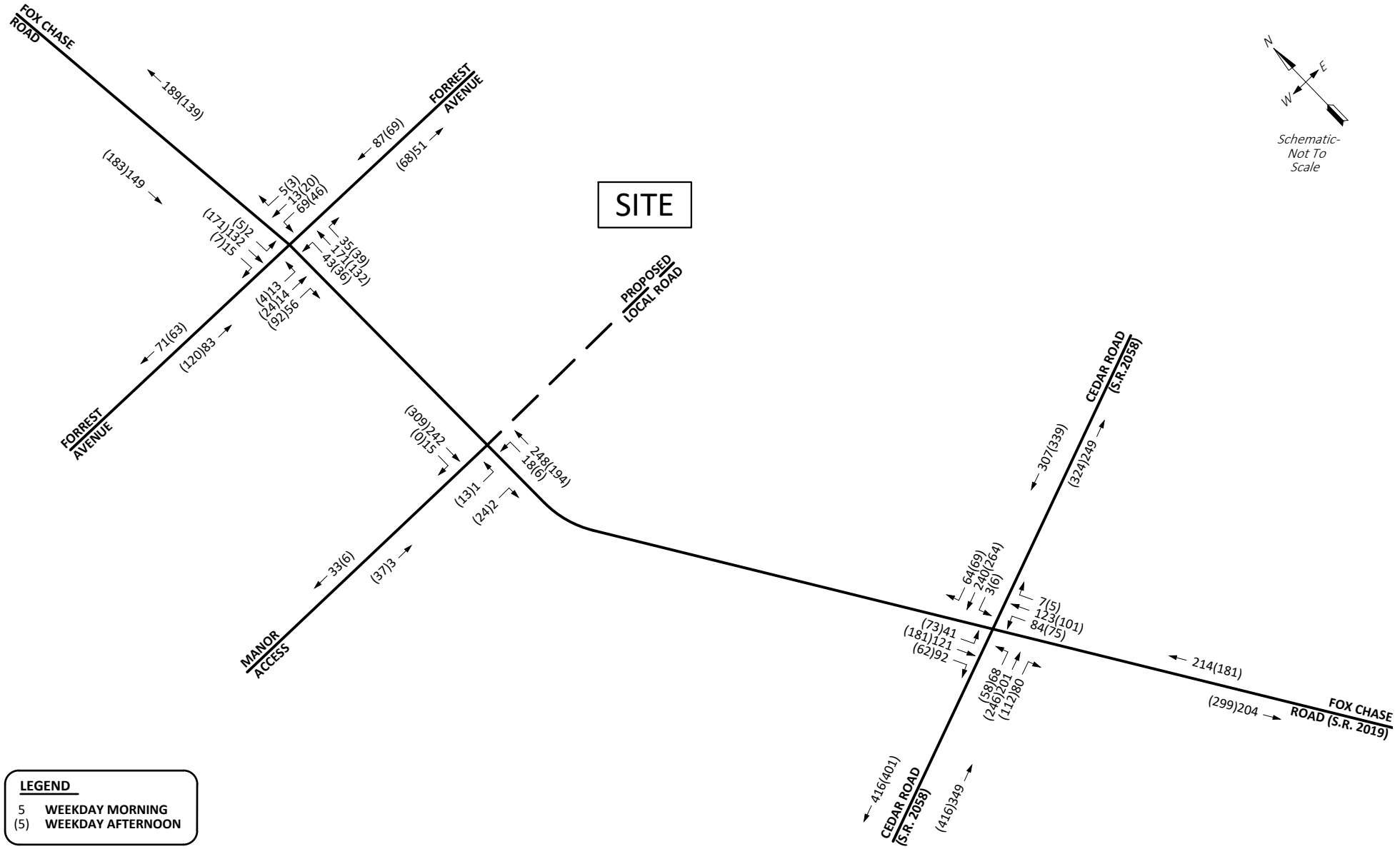


FIGURE 3A

2022 Existing Peak Hour Volumes

ST. BASIL REDEVELOPMENT

ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PA

McMAHON

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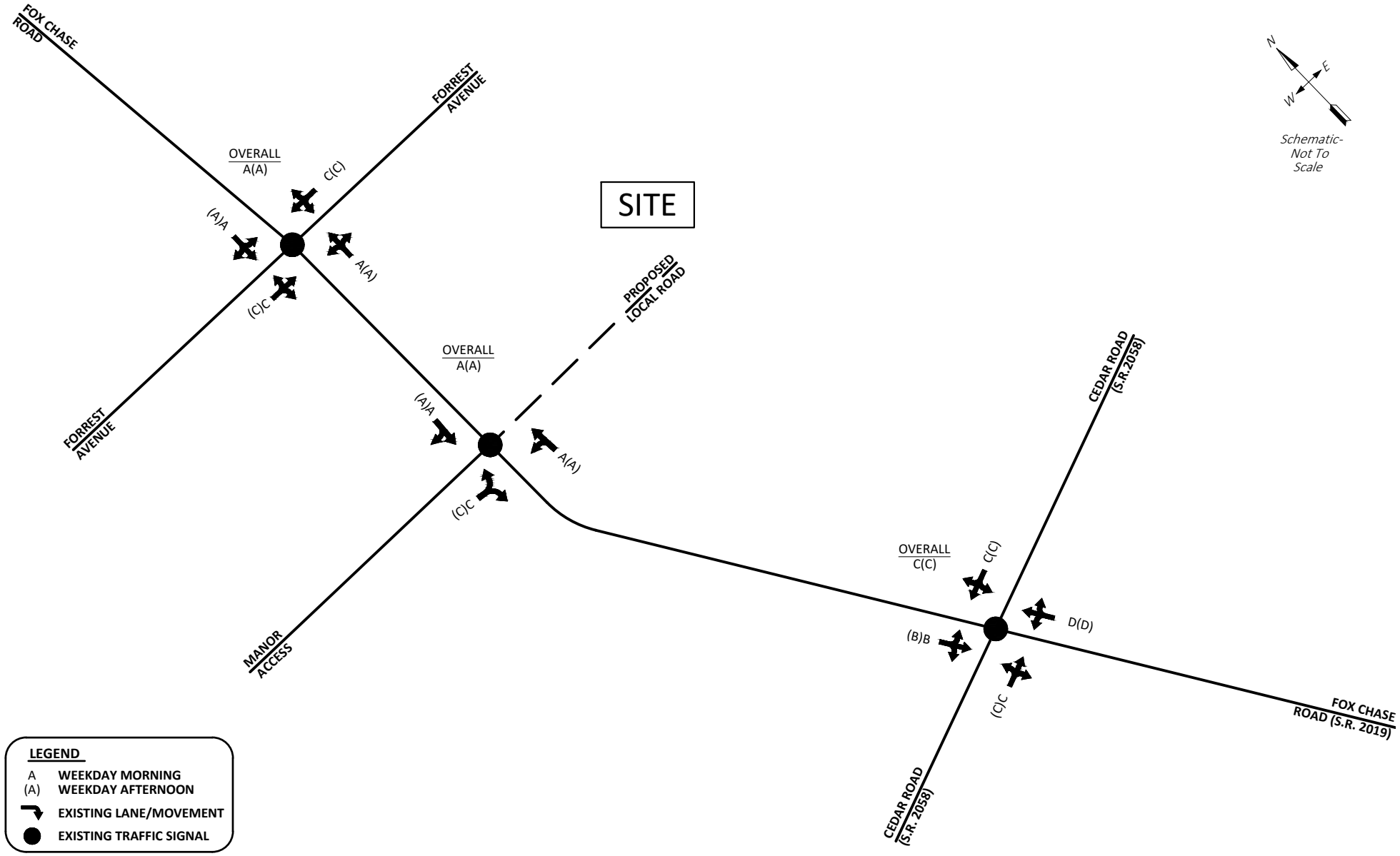


FIGURE 3B

2022 Existing Peak Hour Levels-of-Service

ST. BASIL REDEVELOPMENT

ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PA

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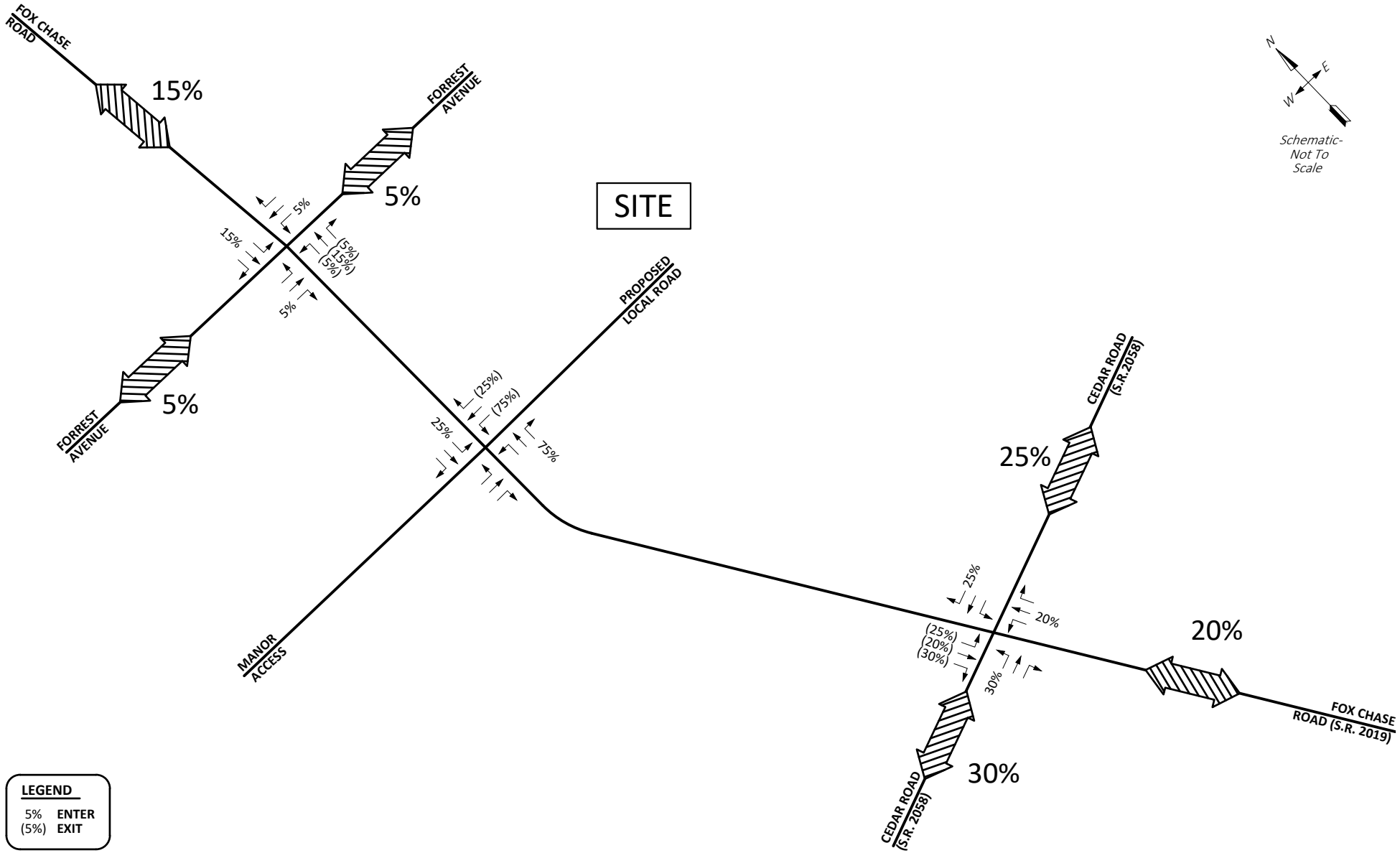


FIGURE 4A

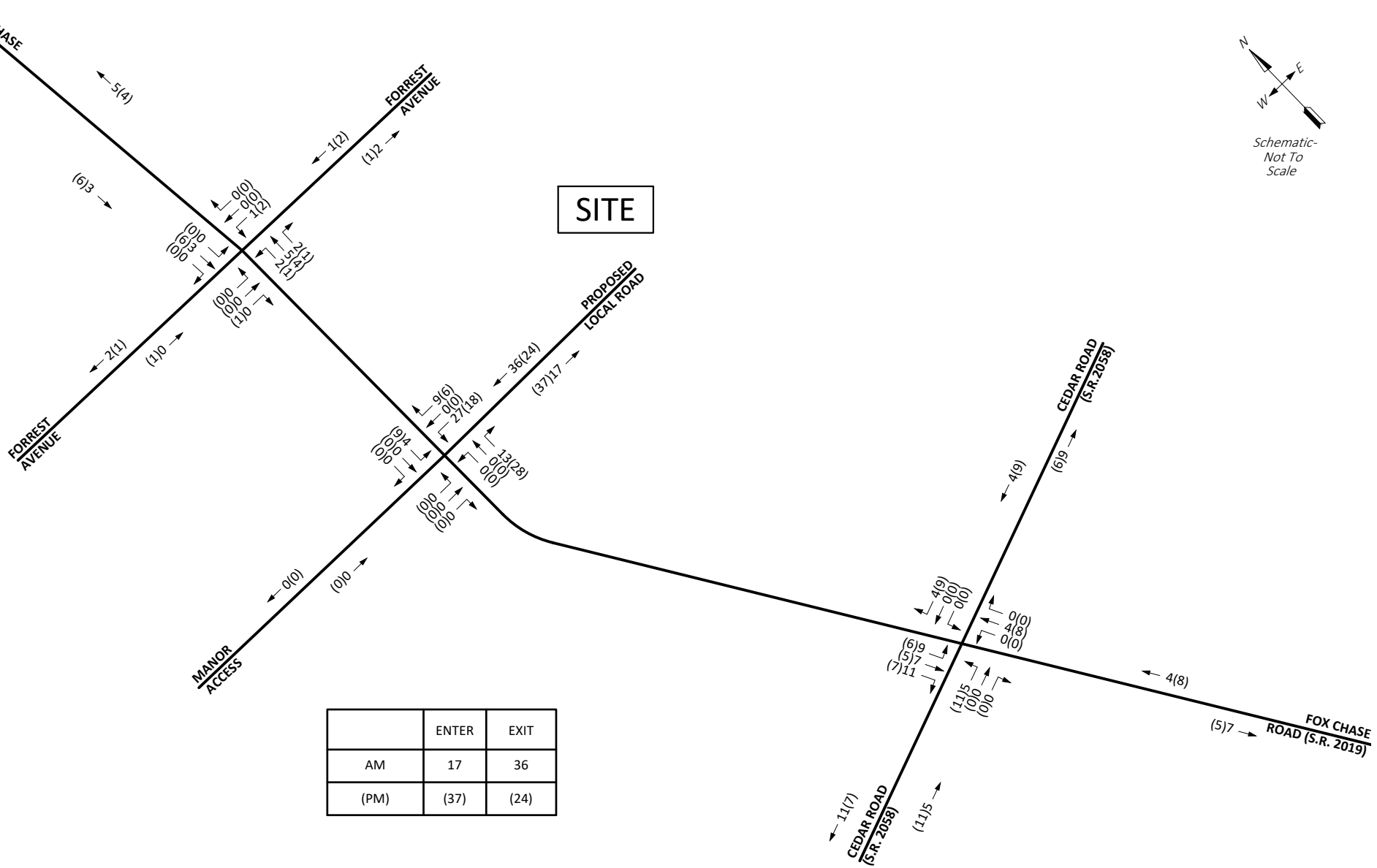
Site Trip Distribution

ST. BASIL REDEVELOPMENT

ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PA

McMAHON

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	ENTER	EXIT
AM	17	36
(PM)	(37)	(24)

FIGURE 4B

Site Trip Assignment

ST. BASIL REDEVELOPMENT

ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PA

McMAHON

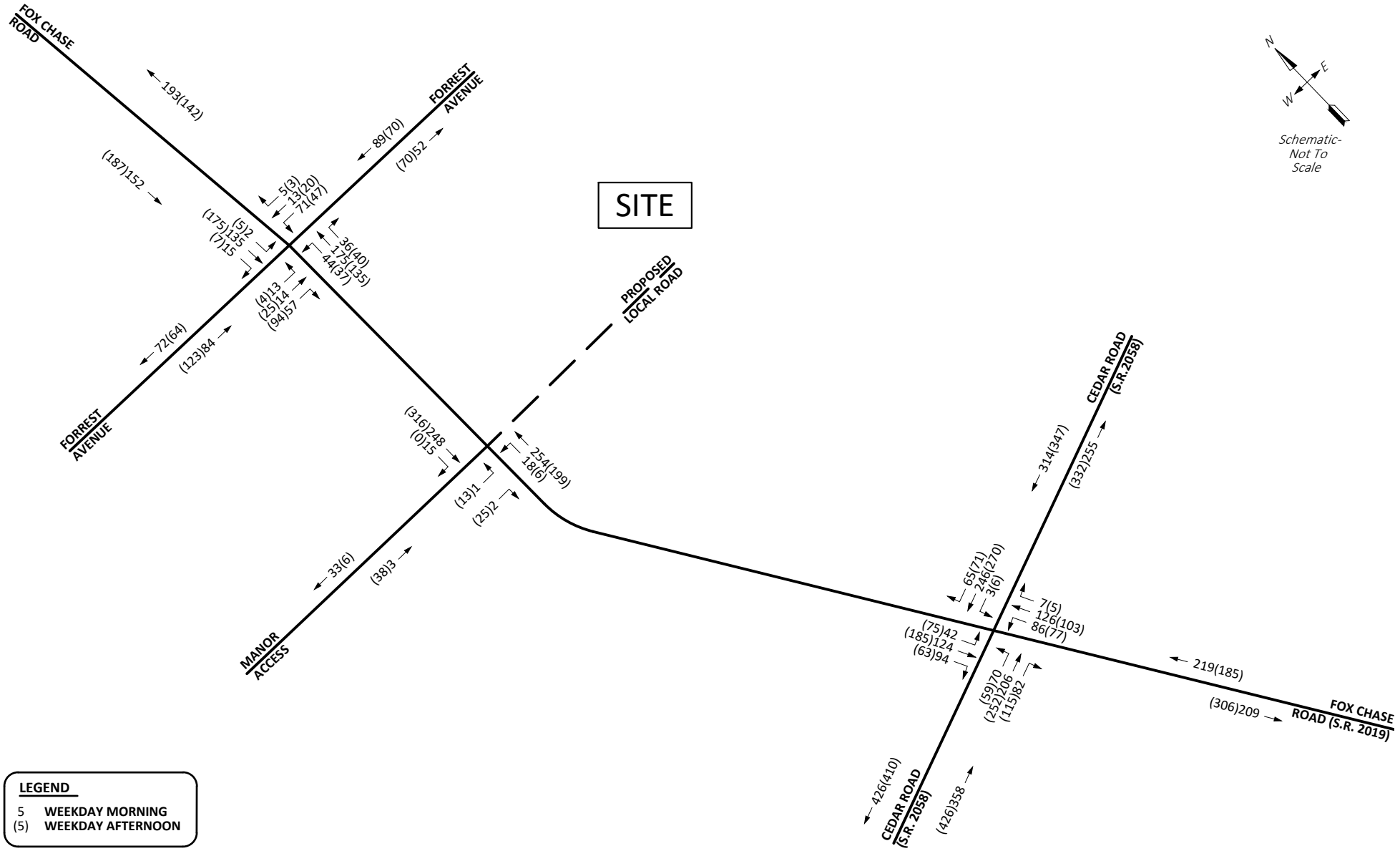


FIGURE 5A

2029 Future Peak Hour Traffic Volumes without Development

ST. BASIL REDEVELOPMENT

ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PA

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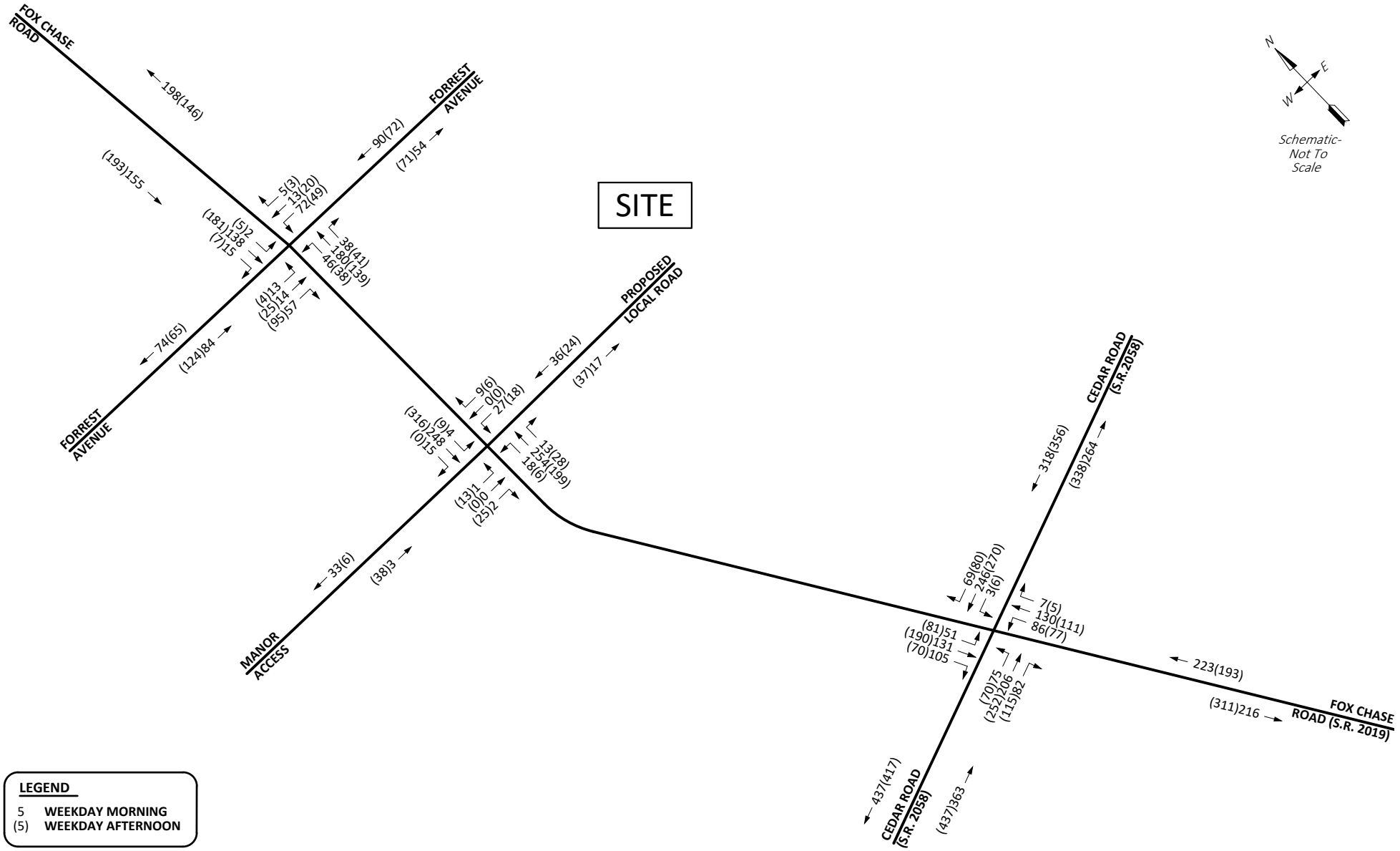


FIGURE 5B

2029 Future Peak Hour Traffic Volumes with Development

ST. BASIL REDEVELOPMENT

ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PA

McMAHON

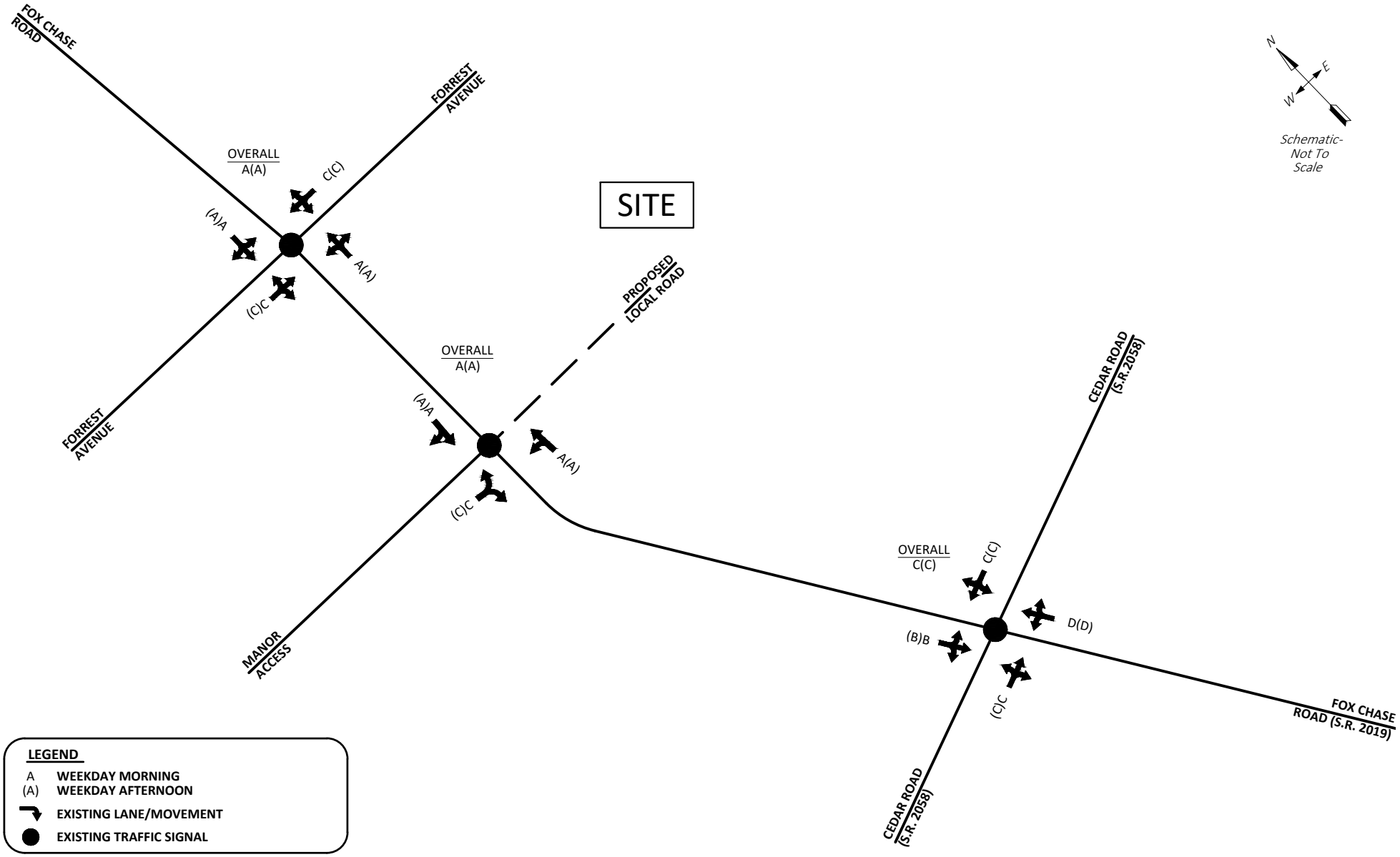


FIGURE 5C

2029 Future Peak Hour Levels of Service without Development

ST. BASIL REDEVELOPMENT

ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PA

McMAHON

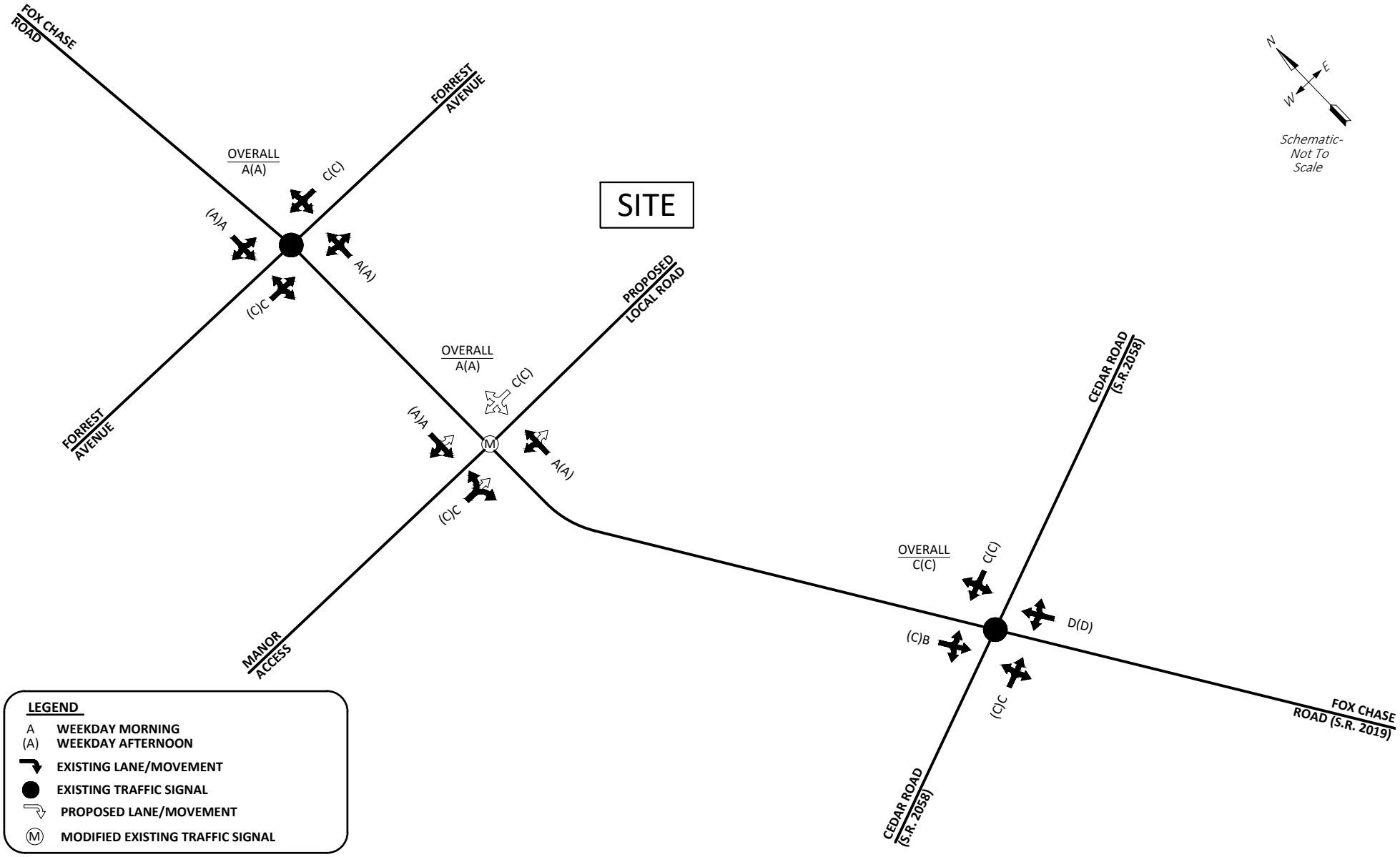


FIGURE 5D

2029 Future Peak Hour Levels of Service with Development

ST. BASIL REDEVELOPMENT

ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PA

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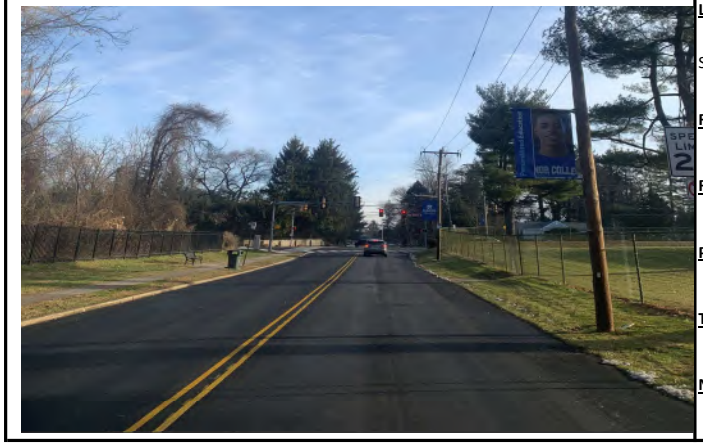
Appendix A

Intersection Inventory

INTERSECTION INVENTORY SUMMARY

Fox Chase Road and Forrest Avenue

Eastbound Forrest Avenue Approach



Lane Geometry

Shared Left/Through/Right

Roadway Classification

Local

Roadway Ownership

Township

Posted Speed Limit

25 MPH

Traffic Control

Traffic Signal

Notes

Westbound Forrest Avenue Approach



Lane Geometry

Shared Left/Through/Right

Roadway Classification

Local

Roadway Ownership

Township

Posted Speed Limit

25 MPH

Traffic Control

Traffic Signal

Notes

Northbound Fox Chase Road Approach



Lane Geometry

Shared Left/Through/Right

Roadway Classification

Urban - Major Collector

Roadway Ownership

Township

Posted Speed Limit

35 MPH

Traffic Control

Traffic Signal

Notes

Southbound Fox Chase Road Approach



Lane Geometry

Shared Left/Through/Right

Roadway Classification

Urban - Major Collector

Roadway Ownership

Township

Posted Speed Limit

35 MPH

Traffic Control

Traffic Signal

Notes

INTERSECTION INVENTORY SUMMARY

Fox Chase Road and Manor College Access

Eastbound Manor College Access Approach



Lane Geometry

Shared Left//Right

Roadway Classification

Private

Roadway Ownership

Private

Posted Speed Limit

NPSL

Traffic Control

Traffic Signal

Notes

Northbound Fox Chase Road Approach



Lane Geometry

Shared Left/Through

Roadway Classification

Urban - Major Collector

Roadway Ownership

Township

Posted Speed Limit

35 MPH

Traffic Control

Traffic Signal

Notes

Southbound Fox Chase Road Approach



Lane Geometry

Shared Through/Right

Roadway Classification

Urban - Major Collector

Roadway Ownership

Township

Posted Speed Limit

35 MPH

Traffic Control

Traffic Signal

Notes

INTERSECTION INVENTORY SUMMARY

Fox Chase Road (S.R. 2019) and Cedar Road (S.R. 2058)

Eastbound Cedar Road (S.R. 2058) Approach



Lane Geometry

Shared Left/Through/Right

Roadway Classification

Urban - Major Collector

Roadway Ownership

State

Posted Speed Limit

35 MPH

Traffic Control

Traffic Signal

Notes

Westbound Cedar Road (S.R. 2058) Approach



Lane Geometry

Shared Left/Through/Right

Roadway Classification

Urban - Major Collector

Roadway Ownership

State

Posted Speed Limit

35 MPH

Traffic Control

Traffic Signal

Notes

Northbound Fox Chase Road (S.R. 2019) Approach



Lane Geometry

Shared Left/Through/Right

Roadway Classification

Urban - Major Collector

Roadway Ownership

State

Posted Speed Limit

35 MPH

Traffic Control

Traffic Signal

Notes

Southbound Fox Chase Road Approach



Lane Geometry

Shared Left/Through/Right

Roadway Classification

Urban - Major Collector

Roadway Ownership

Township

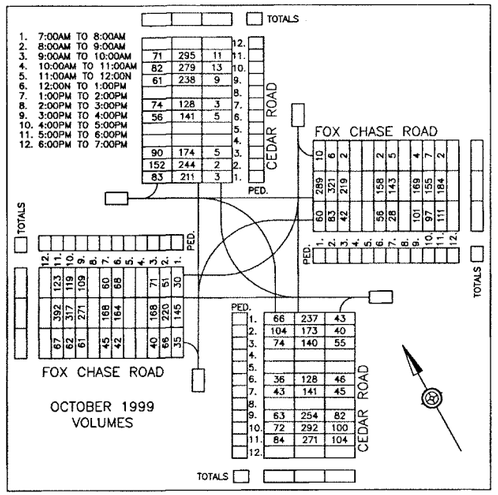
Posted Speed Limit

35 MPH

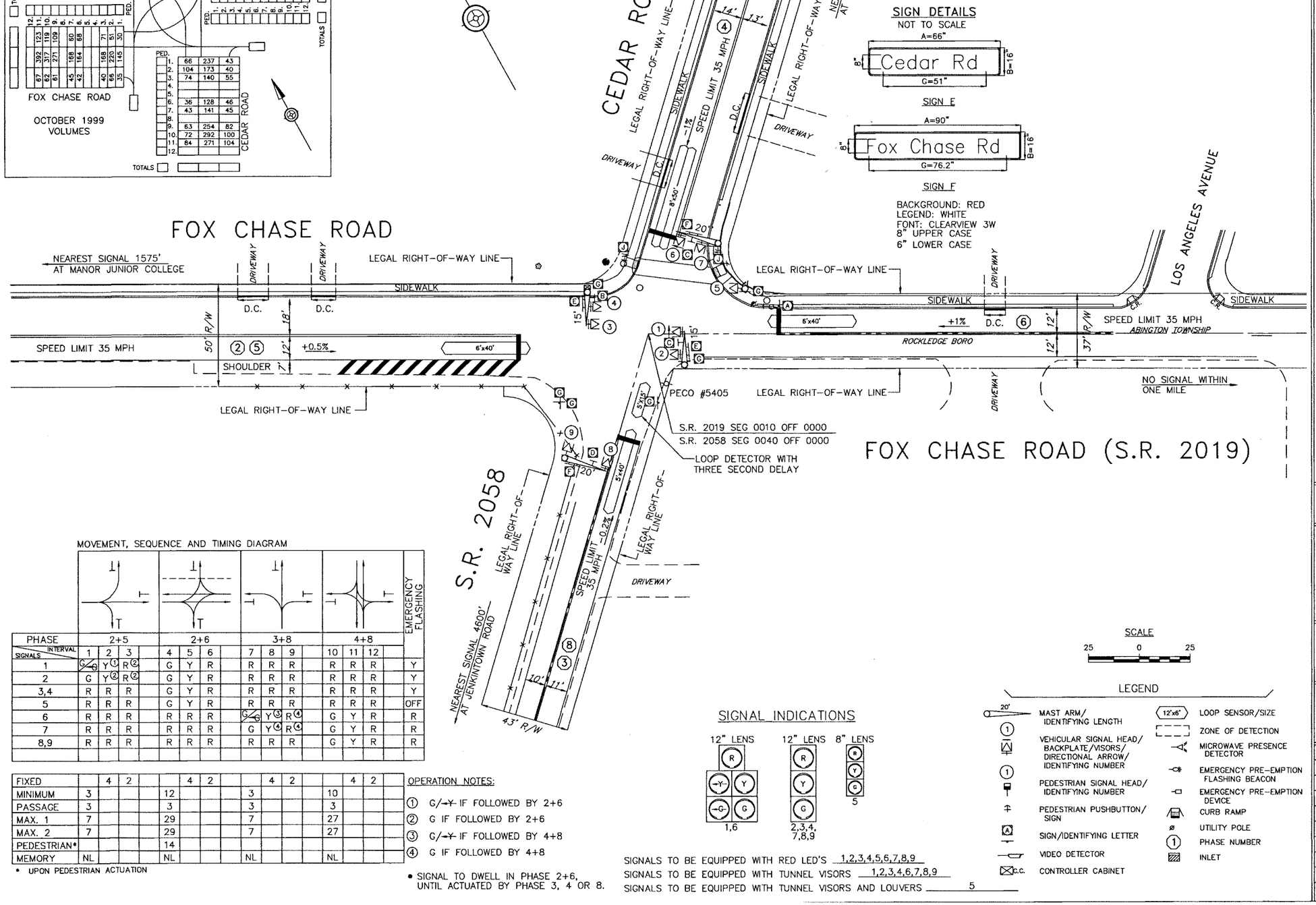
Traffic Control

Traffic Signal

Notes



SIGN TABULATION			
PLAN SYMBOL	SERIES NUMBER	SIZE	REMARKS
A	R10-6AL	24"X30"	STOP HERE ON RED
B	R10-11	30"X36"	NO TURN ON RED
C	R10-12	30"X36"	LEFT TURN YIELD ON GREEN ●
E	D3-4	66"X16"	OVERHEAD STREET NAME SIGN (SEE DETAIL)
F	D3-4	96"X16"	OVERHEAD STREET NAME SIGN (SEE DETAIL)
G	R9-3	18"X18"	NO PEDESTRIAN CROSSING
J	R10-4	9"X12"	PUSH BUTTON FOR GREEN SIGNAL



MOVEMENT, SEQUENCE AND TIMING DIAGRAM

PHASE	2+5			2+6			3+8			4+8			EMERGENCY FLASHING
INTERVAL / SIGNALS	1	2	3	4	5	6	7	8	9	10	11	12	
1	G/→Y←	Y①	R②	G	Y	R	R	R	R	R	R	R	Y
2	G	Y②	R②	G	Y	R	R	R	R	R	R	R	Y
3,4	R	R	R	G	Y	R	R	R	R	R	R	R	Y
5	R	R	R	G	Y	R	R	R	R	R	R	R	OFF
6	R	R	R	R	R	R	G/→Y←	Y④	R④	G	Y	R	R
7	R	R	R	R	R	R	G	Y④	R④	G	Y	R	R
8,9	R	R	R	R	R	R	R	R	R	G	Y	R	R

FIXED		4	2		4	2		4	2		4	2	
MINIMUM	3			12			3			10			
PASSAGE	3			3			3			3			
MAX. 1	7			29			7			27			
MAX. 2	7			29			7			27			
PEDESTRIAN*				14									
MEMORY	NL			NL			NL			NL			

* UPON PEDESTRIAN ACTUATION

OPERATION NOTES:

① G/→Y← IF FOLLOWED BY 2+6
② G IF FOLLOWED BY 2+6
③ G/→Y← IF FOLLOWED BY 4+8
④ G IF FOLLOWED BY 4+8

● SIGNAL TO DWELL IN PHASE 2+6, UNTIL ACTUATED BY PHASE 3, 4 OR 8.

SIGNAL INDICATIONS

SIGNALS TO BE EQUIPPED WITH RED LED'S 1,2,3,4,5,6,7,8,9
SIGNALS TO BE EQUIPPED WITH TUNNEL VISORS 1,2,3,4,6,7,8,9
SIGNALS TO BE EQUIPPED WITH TUNNEL VISORS AND LOUVERS 5

SCALE
25 0 25

LEGEND

- 20' — MAST ARM/ IDENTIFYING LENGTH
- ① — VEHICULAR SIGNAL HEAD/ BACKPLATE/VISORS/ DIRECTIONAL ARROW/ IDENTIFYING NUMBER
- ① — PEDESTRIAN SIGNAL HEAD/ IDENTIFYING NUMBER
- PEDESTRIAN PUSHBUTTON/ SIGN
- A — SIGN/IDENTIFYING LETTER
- VIDEO DETECTOR
- C.C. — CONTROLLER CABINET
- 12'x6' — LOOP SENSOR/SIZE
- ZONE OF DETECTION
- MICROWAVE PRESENCE DETECTOR
- EMERGENCY PRE-EMPTION FLASHING BEACON
- EMERGENCY PRE-EMPTION DEVICE
- CURB RAMP
- UTILITY POLE
- ① — PHASE NUMBER
- INLET

GENERAL NOTES

NO MODIFICATIONS OF THIS INSTALLATION ARE PERMITTED UNLESS PRIOR APPROVAL IS GRANTED IN WRITING BY A REPRESENTATIVE OF THE DEPARTMENT OF TRANSPORTATION.

ALL MAINTENANCE WORK INCLUDING TRIMMING OF TREES, NECESSARY FOR PROPER VISIBILITY OF THE SIGNALS IS THE RESPONSIBILITY OF THE PERMITTEE.

ALL SIGNS AND PAVEMENT MARKINGS INDICATED ON THIS DRAWING ARE CONSIDERED PART OF THE PERMIT AND SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH PUBLICATION NO. 212.

POST MOUNTED SIGNALS SHALL BE INSTALLED WITH THE SIGNAL HEADS A MINIMUM OF 2 FEET BEHIND THE FACE OF CURB OR THE EDGE OF THE SHOULDER. SUPPORT POLES FOR OVERHEAD SIGNALS SHALL ALSO HAVE A MINIMUM CLEARANCE HORIZONTALLY OF 2 FEET.

SIGNALS ERECTED OVER THE ROADWAY SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 16 FT. ABOVE THE ROADWAY. POST MOUNTED SIGNALS SHALL BE A MINIMUM OF 8 FT. ABOVE THE SIDEWALK OR PAVEMENT.

ALL OVERHEAD SIGNALS MUST BE RIGIDLY MOUNTED, TOP AND BOTTOM, AND EQUIPPED WITH BACKPLATES.

THE MINIMUM HORIZONTAL DISTANCE BETWEEN SIGNALS MEASURED AT RIGHT ANGLES TO THE APPROACH SHALL BE 8 FEET.

EXACT LOCATION OF DETECTORS SHALL BE DETERMINED PRIOR TO INSTALLATION BY A REPRESENTATIVE OF PENNDOT.

CURBING TO BE INSTALLED BY MUNICIPALITY AND WHERE NOTED, SHALL BE PLAIN CEMENT CONCRETE CURB OR GRANITE CURB, INSTALLED IN ACCORDANCE WITH DEPARTMENT SPECIFICATIONS FORM 408.

PRIOR TO INSTALLATION THE CONTRACTOR SHALL CONSULT WITH THE LOCAL OFFICIALS AND UTILITY COMPANIES TO RESOLVE ANY PROBLEMS WHICH MAY BE CREATED DUE TO THE LOCATION OF UTILITIES.

THIS DRAWING CANNOT BE USED AS A CONSTRUCTION DRAWING UNLESS THE PERMITTEE COMPLIES WITH THE PROVISIONS OF THE LATEST AMENDMENT TO ACT 287, PREVENTION OF DAMAGE TO UNDERGROUND UTILITIES, DATED DECEMBER 20, 1974.

WHEN LIQUID FUELS MONEY IS USED, SIGNAL INSTALLATION MUST CONFORM TO FORM 408 AND A COPY OF THE PROPOSED SPECIFICATIONS MUST BE SUBMITTED TO THE DISTRICT TRAFFIC UNIT, FOR REVIEW, PRIOR TO BIDDING.

PERMITTEE SHALL OBTAIN A HIGHWAY OCCUPANCY PERMIT FOR ANY CHANGES IN INTERSECTION GEOMETRY REGARDING EXCAVATION.

CONDUIT INSTALLED IN BITUMINOUS ROADWAY LESS THAN 5 YEARS OLD, OR CONCRETE ROADWAY REGARDLESS OF AGE, MUST BE BORED OR JACKED UNDER THE ROADWAY. INSTALL IN ACCORDANCE WITH TRAFFIC SIGNAL STANDARDS TC-8800 SERIES.

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
ENGINEERING DISTRICT 6-0

COUNTY: MONTGOMERY
MUNICIPALITY: ABINGTON TOWNSHIP / ROCKLEDGE BOROUGH
INTERSECTION: FOX CHASE ROAD (S.R. 2019) & CEDAR ROAD (S.R. 2058)

REVIEWED:

DATE

MUNICIPAL OFFICIAL DATE

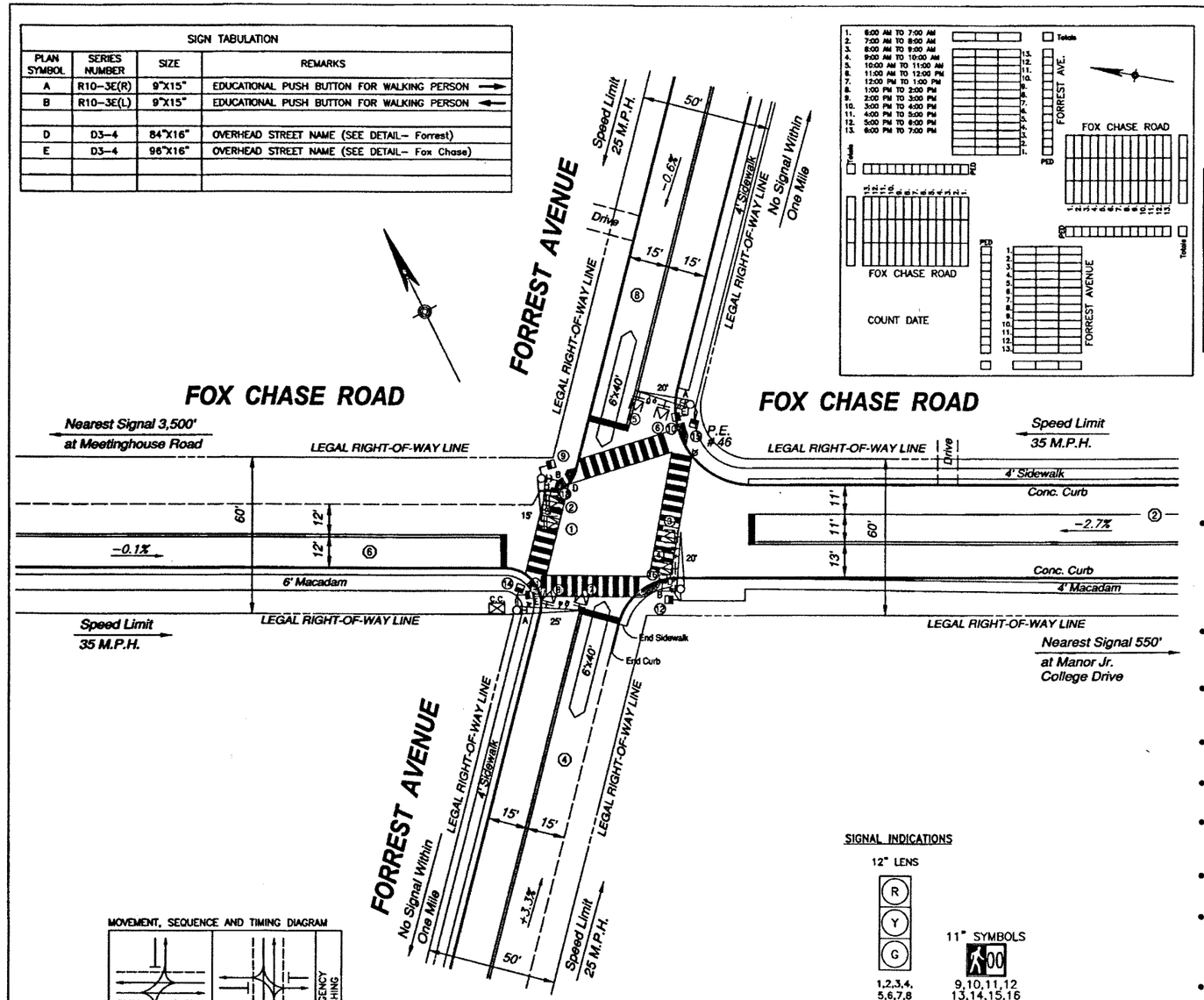
RECOMMENDED:

WERNER J EICHORN 2-7-00
DISTRICT TRAFFIC ENGINEER DATE

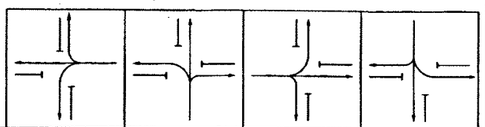
NO.	REVISION	DES./ REVW.	DATE	REVW.	DATE	RECOM.	DATE
1	ADD NB ADVANCE, CHNGE MA ON NW & SE CORNER TO 15'	JPS	1/11/00	MLK	1/12/00	WJE	2/7/00
2	NEW DWG, REVISED CURB RAMPS AND PEDESTRIAN TIMES	MCM		DLA	2/17/11	ABP	2/18/11
3	REVISED PAVEMENT MARKINGS FOR EB FOX CHASE ROAD	EJR	8/30/18	KPL	10/17/18	DLA	10/19/18
4							
5							
6							
7							
8							

SHEET 2 OF 2 | PERMIT # 64-0347 | FILE # 0347

SIGN TABULATION			
PLAN SYMBOL	SERIES NUMBER	SIZE	REMARKS
A	R10-3E(R)	9"X15"	EDUCATIONAL PUSH BUTTON FOR WALKING PERSON →
B	R10-3E(L)	9"X15"	EDUCATIONAL PUSH BUTTON FOR WALKING PERSON ←
D	D3-4	84"X16"	OVERHEAD STREET NAME (SEE DETAIL- Forrest)
E	D3-4	96"X16"	OVERHEAD STREET NAME (SEE DETAIL- Fox Chase)



EMERGENCY PRE-EMPTION PHASING
MOVEMENT, SEQUENCE AND TIMING DIAGRAM



PHASE	2			4			6			8		
SIGNALS \ INTERVAL	9	10	11	12	13	14	15	16	17	18	19	20
1,2	G	Y◎	R◎	R	R	R	R	R	R	R	R	R
3,4	R	R	R	R	R	R	G	Y◎	R◎	R	R	R
5,6	R	R	R	G	Y	R	R	R	R	R	R	R
7,8	R	R	R	R	R	R	R	R	R	G	Y	R
9,10	H	H	H	H	H	H	H	H	H	H	H	H
11,12	H	H	H	H	H	H	H	H	H	H	H	H
13,14	H	H	H	H	H	H	H	H	H	H	H	H
15,16	H	H	H	H	H	H	H	H	H	H	H	H
FIXED	**	4	2	**	3	2	**	4	2	**	3	2

* FOR DURATION OF PRE-EMPTION
◎ G WHEN RETURNING TO NORMAL OPERATION.
NOTE: IF PRE-EMPTION EQUIPMENT HAS ENCODING CAPABILITIES FOR VEHICLE IDENTIFICATION, IT IS RECOMMENDED TO HAVE THE ZERO "00" FEATURE ON, TO GIVE UNCODED EMITTERS THE ABILITY TO ACTIVATE THE EMERGENCY PRE-EMPTION.

EMERGENCY PRE-EMPTION NOTES:

- CONTROLLER TO BE EQUIPPED WITH EMERGENCY PRE-EMPTION FOR THE WESTBOUND AND EASTBOUND APPROACH OF FOX CHASE ROAD AND THE NORTHBOUND AND SOUTHBOUND APPROACH OF FORREST AVENUE WITH A FLASHING FAIL SAFE DEVICE FOR EACH DIRECTION OF OPERATION.

  THIS FAIL SAFE DEVICE SHALL CONSIST OF A FLASHING WHITE FLOOD LIGHT AND SHALL BEGIN FLASHING WHEN THE PRE-EMPTION PHASE DISPLAYS PRE-EMPTION GREEN FOR THE EMERGENCY VEHICLE APPROACH.
- THE SIGNALS, WHEN ACTIVATED BY AN EMERGENCY VEHICLE, SHALL TERMINATE ALL GREEN INDICATIONS IMMEDIATELY, FOLLOWED BY THE COMPLETE YELLOW AND RED CLEARANCE INTERVALS, ACCORDINGLY. THEN THE GREEN INTERVAL FOR THE PRE-EMPTED PHASE SHALL FOLLOW.
- THE SIGNALS, WHEN ACTIVATED BY AN EMERGENCY VEHICLE, SHALL TIME OUT ALL YELLOW AND RED INDICATIONS FOLLOWED BY THE GREEN INTERVAL OF THE PRE-EMPTION PHASE GOVERNED BY THE ACTUATION OF THE APPROACHING EMERGENCY VEHICLE.
- IF THE SIGNALS, WHEN ACTIVATED BY AN EMERGENCY VEHICLE, ARE FLASHING ALL SIGNALS SHALL REMAIN FLASHING.
- UPON COMPLETION OF PRE-EMPTION PHASE 2, 4, 6 OR 8 IN RETURNING TO NORMAL OPERATION PHASE 2+6 INTERVAL 1 SHALL FOLLOW.
- IF ADDITIONAL PRE-EMPTION PHASES ARE ACTIVATED WHILE IN PRE-EMPTION, THE ORIGINAL PRE-EMPTION PHASE SHALL TIME OUT BEFORE PROCEEDING TO THE NEXT PRE-EMPTION PHASE.
- IN EMERGENCY PRE-EMPTION, NO PRIORITY SHALL BE ESTABLISHED, PRE-EMPTION SHALL BE A "FIRST COME, FIRST SERVED" OPERATION.
- THE FIELD LOCATIONS OF THE PRE-EMPTION DETECTORS MAY DIFFER FROM THE LOCATIONS DEPICTED ON THE CONDITION DIAGRAM, AS THE DETECTORS MAY NEED TO BE RELOCATED AND/OR ADJUSTED TO PROVIDE ACCEPTABLE OPERATION AS DEEMED APPROPRIATE BY DEPARTMENT PERSONNEL.
- IF THE SIGNAL HAS BEEN ACTUATED BY A PEDESTRIAN PUSH BUTTON, AND THE SIGNAL IS PRE-EMPTED, THE PED WALK INTERVAL SHALL TERMINATE IMMEDIATELY, FOLLOWED BY THE PED CLEAR INTERVAL. THIS INTERVAL SHALL TIME OUT, FOLLOWED BY THE APPROPRIATE SELECTIVE CLEARANCES, BEFORE GOING INTO EMERGENCY PRE-EMPTION.

GENERAL NOTES

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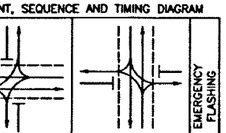
THIS DRAWING CANNOT BE USED AS A CONSTRUCTION DRAWING UNLESS THE PERMITTEE COMPLIES WITH THE PROVISIONS OF THE LATEST AMENDMENT TO ACT 287, PREVENTION OF DAMAGE TO UNDERGROUND UTILITIES, DATED DECEMBER 20, 1974.

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MOVEMENT, SEQUENCE AND TIMING DIAGRAM



PHASE	2 & 6				4 & 8				EMERGENCY FLASHING
SIGNALS \ INTERVAL	1	2	3	4	5	6	7	8	
1,2	G	G	Y	R	R	R	R	R	Y
3,4	G	G	Y	R	R	R	R	R	Y
5,6	R	R	R	R	G	G	Y	R	R
7,8	R	R	R	R	G	G	Y	R	R
9,10	M	FH	H	H	H	H	H	H	OFF
11,12	M	FH	H	H	H	H	H	H	OFF
13,14	H	H	H	H	M	FH	H	H	OFF
15,16	R	R	R	R	M	FH	H	H	OFF

FIXED			4	2			3	2	
MINIMUM	15				7				
PASSAGE					3				
MAXIMUM 1	35				20				
MAXIMUM 2	35				20				
PEDESTRIAN*	7	15			7	17			
MEMORY	MX				NL				

* UPON PEDESTRIAN ACTUATION ONLY

MAX 1 TO OPERATE AT ALL TIMES

SIGNAL INDICATIONS

12" LENS

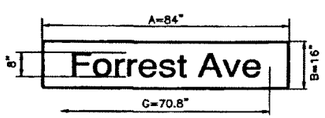
1,2,3,4, 5,6,7,8

11" SYMBOLS

9,10,11,12 13,14,15,16

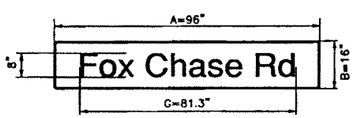
SIGNALS TO BE EQUIPPED WITH TUNNEL VISORS 1,2,3,4,5,6,7,8

SIGN DETAILS
NOT TO SCALE



SIGN D

BACKGROUND: RED
LEGEND: WHITE
FONT: HELVETICA BOLD
8" UPPER CASE
6" LOWER CASE



SIGN E

BACKGROUND: RED
LEGEND: WHITE
FONT: HELVETICA BOLD
8" UPPER CASE
6" LOWER CASE

25' 0 25'

LEGEND

- 20' — MAST ARM/ IDENTIFYING LENGTH
- ② — VEHICULAR SIGNAL HEAD/ BACKPLATE/ VISORS/ DIRECTIONAL ARROW/ IDENTIFYING NUMBER
- ② — PEDESTRIAN SIGNAL HEAD/ IDENTIFYING NUMBER
- PEDESTRIAN PUSHBUTTON/ SIGN
- E — SIGN/ IDENTIFYING LETTER
- 5'x40" — LOOP SENSOR/SIZE
- MICROWAVE DETECTOR
- EMERGENCY PREEMPTION DEVICE
- CURB CUT RAMP
- UTILITY POLE
- (1) — PHASE NUMBER

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
ENGINEERING DISTRICT 6-0

COUNTY: MONTGOMERY
MUNICIPALITY: ABINGTON TOWNSHIP
INTERSECTION: FOX CHASE ROAD AND FORREST AVENUE

REVIEWED:

DATE

MUNICIPAL OFFICIAL DATE

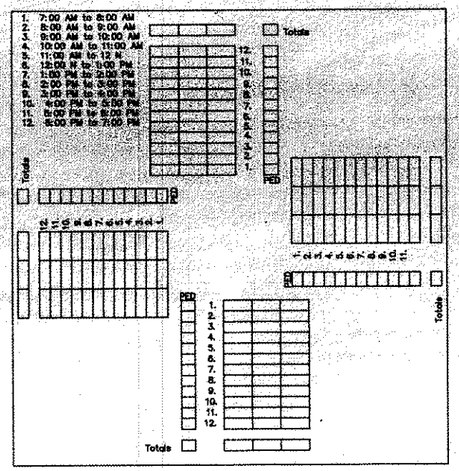
RECOMMENDED:

MARK L. KRAY 5/26/95
DATE

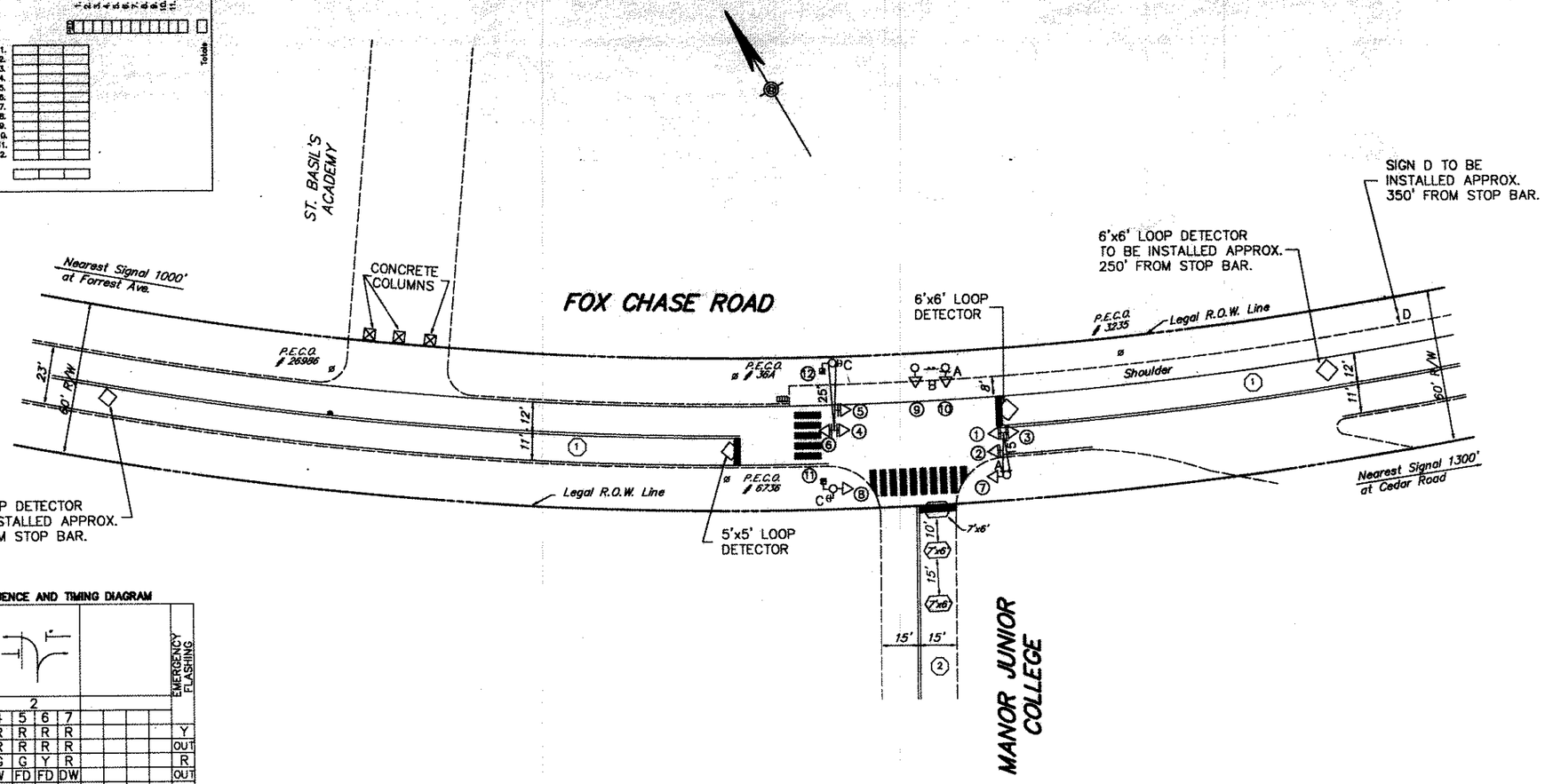
DOUGLAS MAY 5/26/95
DISTRICT TRAFFIC ENGINEER DATE

NO.	REVISION	DES./ REVW	DATE	REVW.	DATE	RECOM.	DATE
1	UPGRADE AND NEW MAST ARMS	M.E.P.	8/17/05	MK	9/2/05	LRB	10/3/05
2	REMOVE SIGN 'C' & TURN ARROW	M.E.P.	10/2/05	MLK	11/30/05	LRB	12/9/05
3	ADD COUNTDOWN MAST/HANDS, UPDATE PEDESTRIAN TIMES, REVISE PRE-EMPTION NOTES	KPL	7/13/17	DL	7/17/17	LRB	8/8/17
4							
5							
6							
7							
8							

SHEET 2 OF 2 | PERMIT # 64-0011 | FILE # 0011



SIGN TABULATION			
PLAN SYMBOL	SERIES NUMBER	SIZE	REMARKS
A	R9-3	18"x18"	NO PEDESTRIAN CROSSING
B	W1-7	48"x24"	DOUBLE ARROW SIGN
C	R10-4L	9"x12"	PUSH BUTTON FOR WALK SIGNAL
D	W3-3	36"x36"	SIGNAL AHEAD SIGN



MOVEMENT, SEQUENCE AND TIMING DIAGRAM

PHASE / INTERVAL	1			2				EMERGENCY FLASHING
SIGNALS	1	2	3	4	5	6	7	
1,2,3,4,5,6	G	Y	R	R	R	R	R	Y
7,8	G	Y	R	R	R	R	R	OUT
9,10	R	R	R	G	G	Y	R	R
**11,12	DW	DW	DW	W	FD	FD	DW	OUT

FIXED		4	2			3	2					
MINIMUM	15			3								
ADDED INITIAL	2											
MAX. INITIAL	26											
PASSAGE	4			3								
TO REDUCE	10											
BEFORE RED	26											
MIN. GAP	2											
MAX. I	36			--15--								
MAX. II *	41			--15--								
PEDESTRIAN				8	7							
MEMORY	MR			NL								

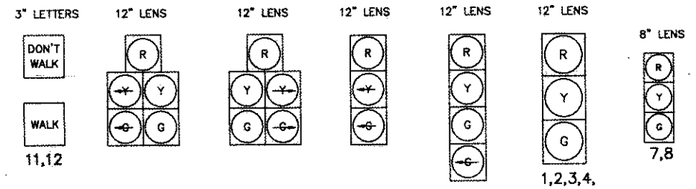
** UPON PEDESTRIAN ACTUATION, OTHERWISE WALK AT ALL TIMES.

5 SEC. DELAY ON MANOR JUNIOR COLLEGE DRIVE

MAX II SHOULD OPERATE 7:00-9:00 AM AND 2:00-6:00 PM

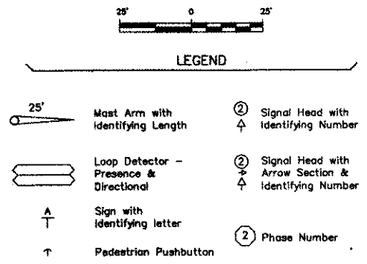
MAX I SHOULD OPERATE ALL OTHER TIMES

SIGNAL INDICATIONS



SIGNALS TO BE EQUIPPED WITH TUNNEL VISORS _____

SIGNALS TO BE EQUIPPED WITH TUNNEL VISORS and LOUVERS _____



PERMIT NO. 64-2762 SHEET 2 OF 2

DATE ISSUED: 3/31/92

GENERAL NOTES

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IN ADDITION TO THIS SIGNAL PERMIT THE PERMITTEE SHALL OBTAIN A HIGHWAY OCCUPANCY PERMIT PRIOR TO ANY OPENINGS BEING MADE IN OR UNDER ANY PORTION OF A STATE HIGHWAY.

THIS DRAWING CANNOT BE USED AS A CONSTRUCTION DRAWING UNLESS THE PERMITTEE COMPLIES WITH THE PROVISIONS OF ACT 172, PREVENTION OF DAMAGE TO UNDERGROUND UTILITIES, EFFECTIVE DATE DECEMBER 12, 1986.

WHEN LIQUID FUELS MONEY IS USED, SIGNAL INSTALLATION MUST CONFORM TO FORM 408 AND A COPY OF THE PROPOSED SPECIFICATIONS MUST BE SUBMITTED TO THE DISTRICT TRAFFIC UNIT, FOR REVIEW, PRIOR TO BIDDING.

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
ENGINEERING DISTRICT 6-0

COUNTY: MONTGOMERY

MUNICIPALITY: ABINGTON TOWNSHIP

INTERSECTION: FOX CHASE ROAD AND MANOR JR. COLLEGE DRIVE

REVIEWED:

MUNICIPAL OFFICIAL DATE

RECOMMENDED: 4/2/92

DISTRICT TRAFFIC ENGINEER DATE 4/3/92

Revised: New Drwg. MV. 3/31/92 MK DWOM 4/3/92

Revised: MAX I & II OPER. TIMES, AND DELAY. RM 4/8/92

Revised:

Revised:

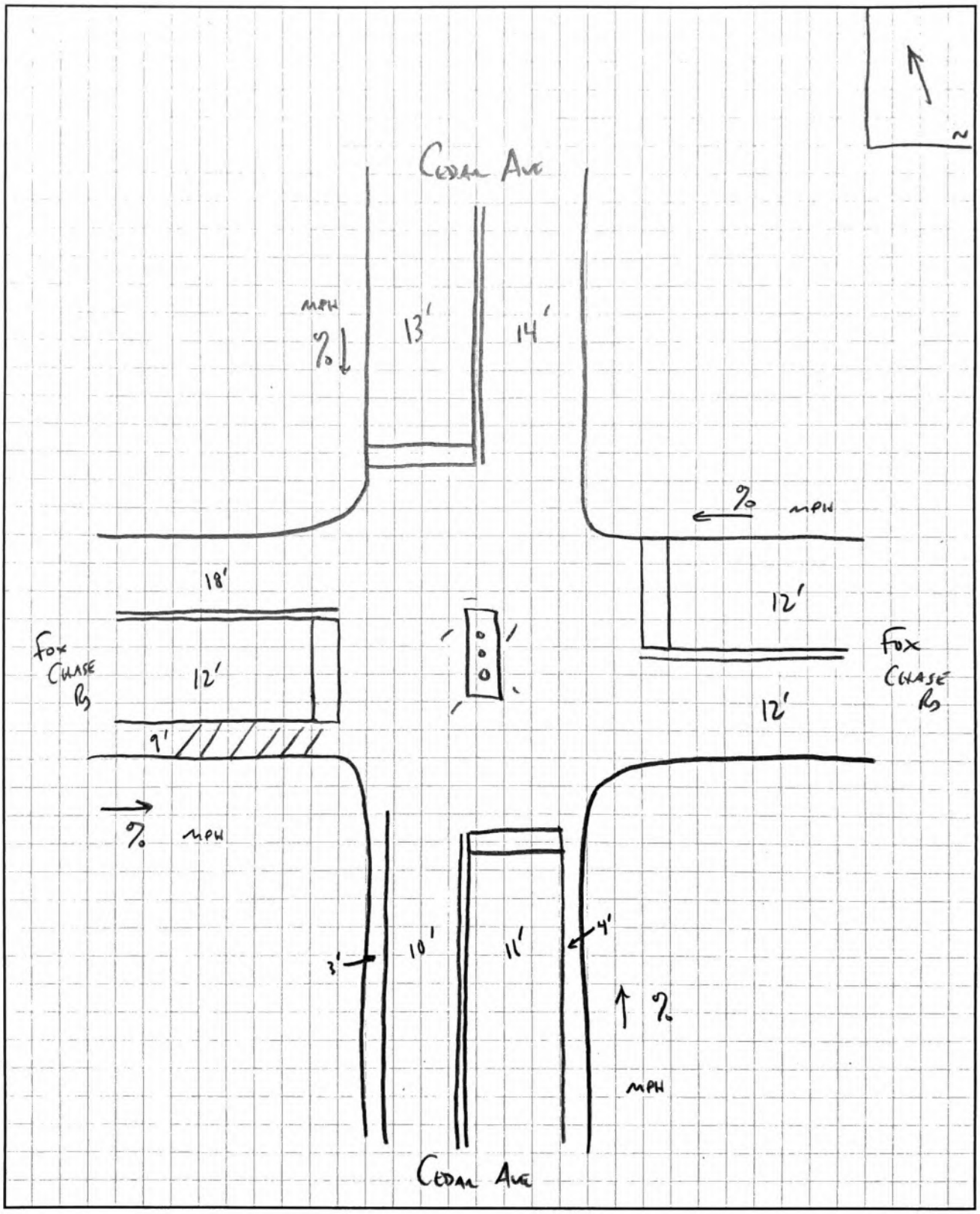
PNDT 8255.007.26 PADOT #: 64-2762-25 3/9/92

McMAHON
TRANSPORTATION ENGINEERS & PLANNERS

Job _____ McMahon Project No. _____ Sheet _____ of ____

Description Fox Chase Rd x _____ Designed By NDB _____ Date _____

Cedar Ave _____ Checked By _____ Date _____

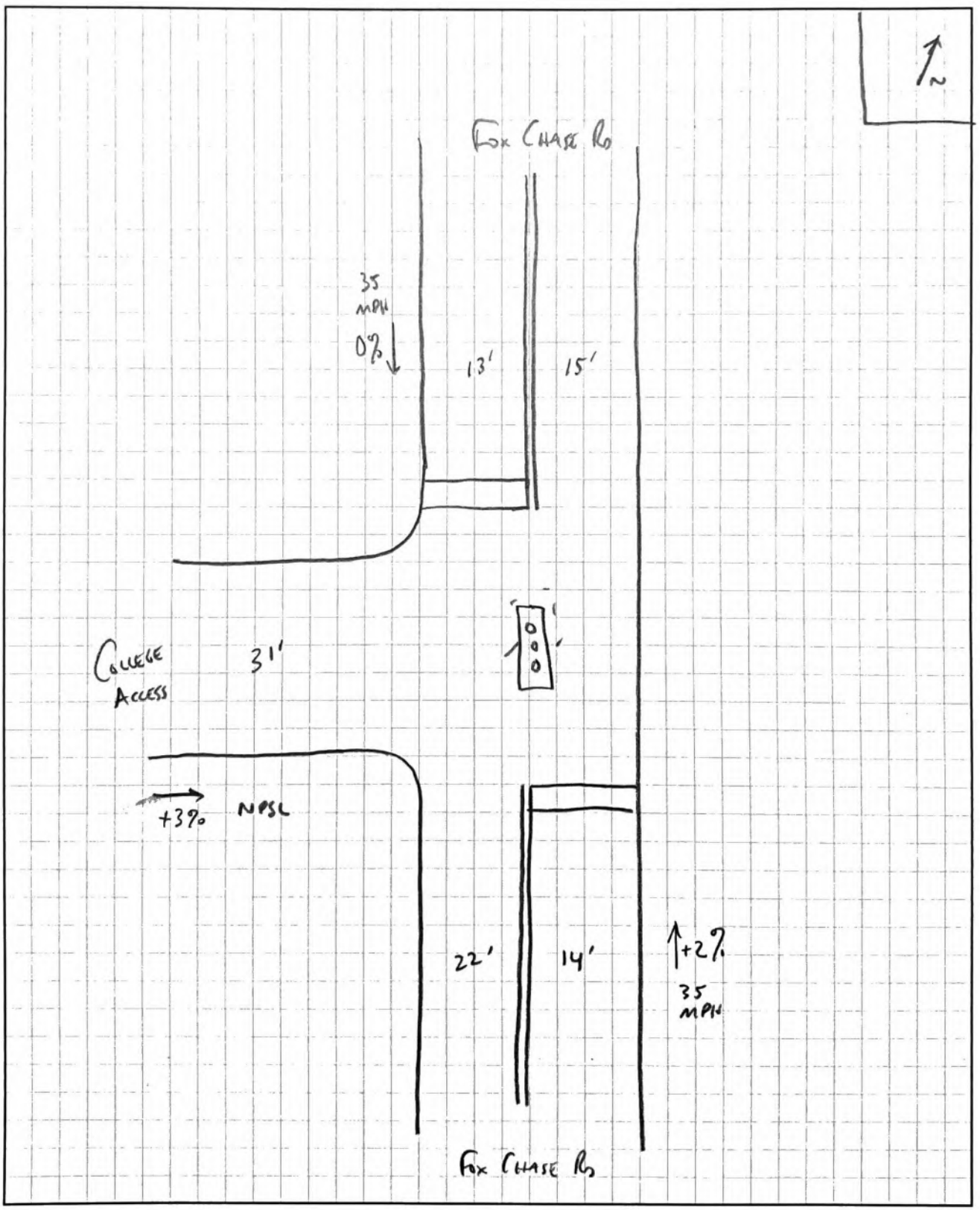


McMAHON
TRANSPORTATION ENGINEERS & PLANNERS

Job _____ McMahon Project No. _____ Sheet _____ of ____

Description Fox Chase Rd Designed By NDB Date _____

Marion College Access Checked By _____ Date _____

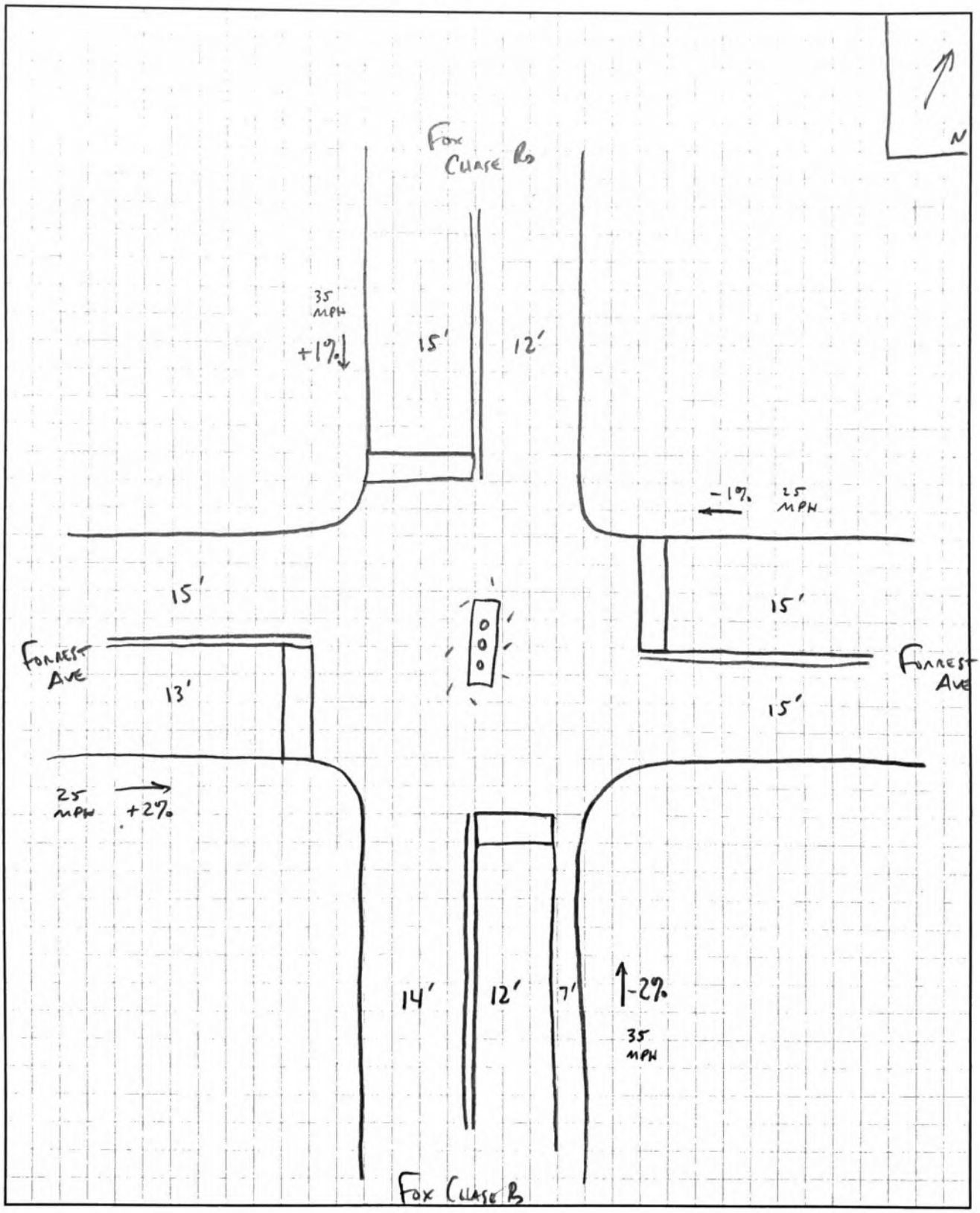


McMAHON
TRANSPORTATION ENGINEERS & PLANNERS

Job _____ McMahon Project No. _____ Sheet _____ of ____

Description Fox Chase Rd & Forest Ave Designed By NOB Date _____

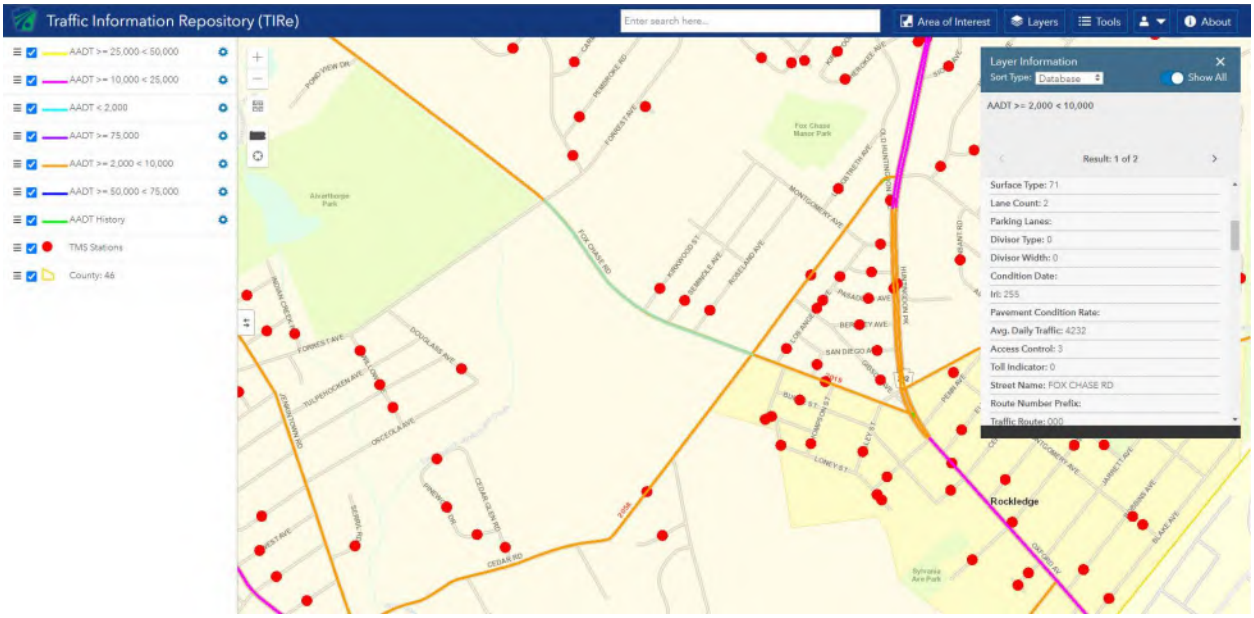
Checked By _____ Date _____



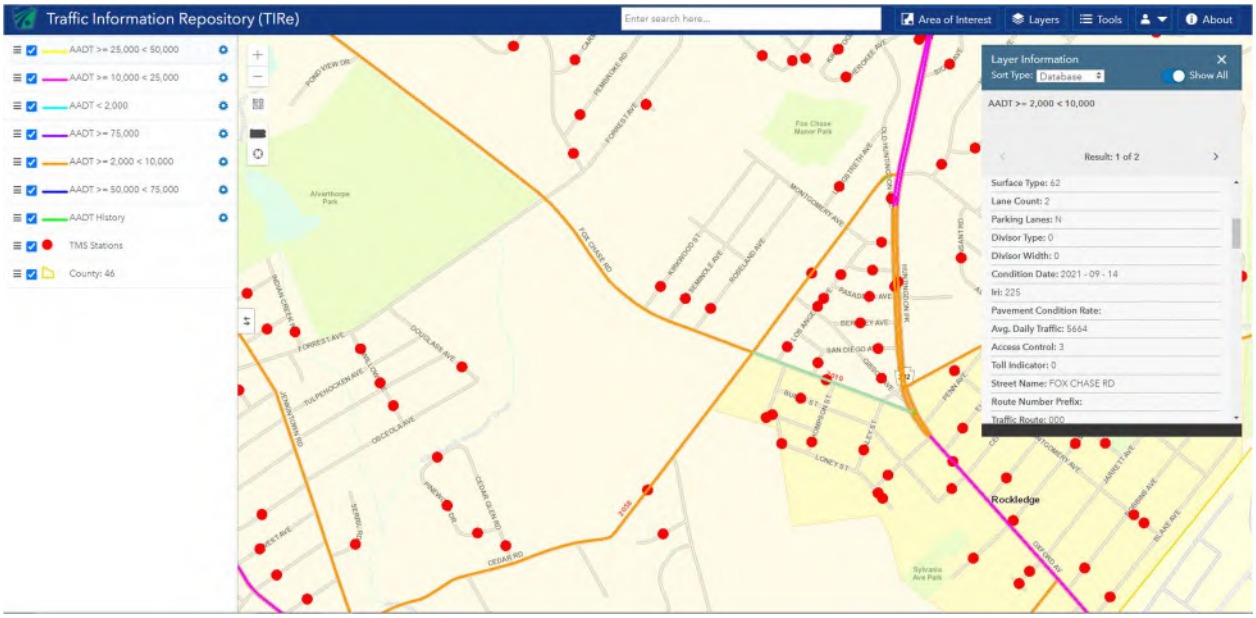
Appendix B

PennDOT TIRe Data

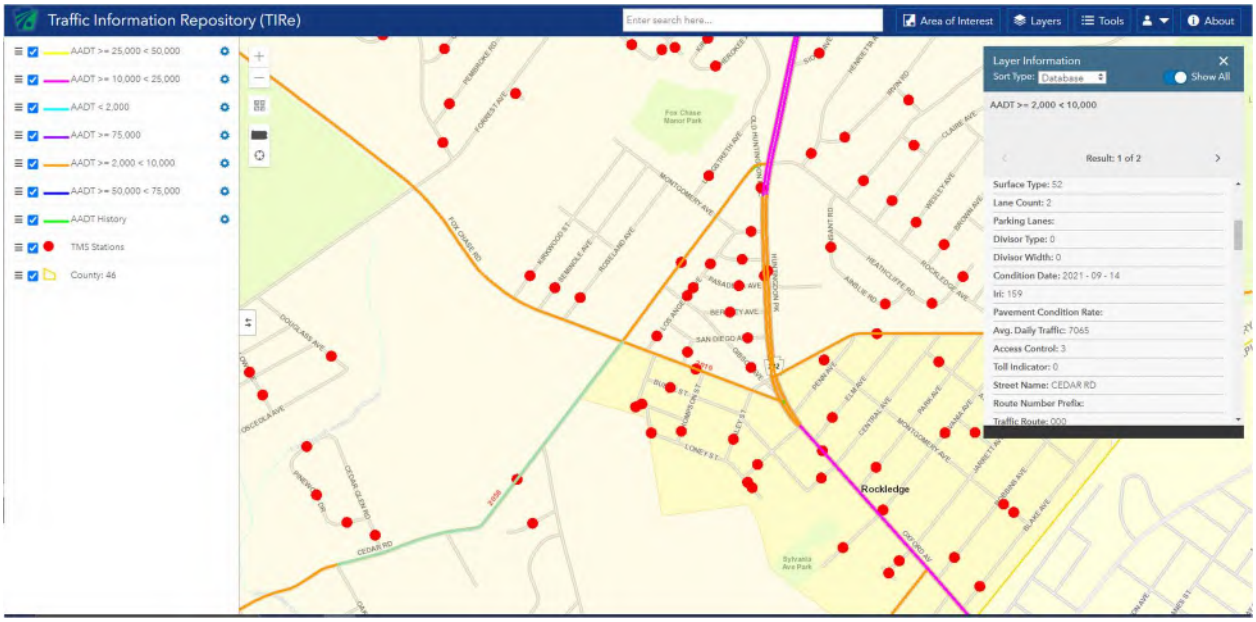
FOX CHASE ROAD



FOX CHASE ROAD (S.R. 2019)



CEDAR ROAD (S.R. 2058)



Appendix C

Turning Movement Counts

McMahon Associates, Inc.

Transporation Engineers & Planners
425 Commerce Drive, Suite 200
Fort Washington, PA 19034

Municipality: Abington Township
Location: Fox Chase Road &
Forrest Avenue
Counter: M

File Name : stbasils01w
Site Code :
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Groups Printed- Passenger Vehicles - Heavy Vehicles

	Fox Chase Rd Southbound			Forrest Avenue Westbound			Fox Chase Rd Northbound			Forrest Avenue Eastbound			
Start Time	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Int. Total
07:00 AM	1	5	0	1	3	8	5	30	5	10	2	0	70
07:15 AM	2	21	1	0	3	4	5	29	3	7	5	1	81
07:30 AM	2	15	1	2	5	6	10	39	7	9	6	5	107
07:45 AM	1	22	1	3	6	12	5	43	6	10	3	6	118
Total	6	63	3	6	17	30	25	141	21	36	16	12	376
08:00 AM	3	35	0	0	0	18	6	39	12	8	2	4	127
08:15 AM	4	34	1	1	4	14	7	46	11	8	4	2	136
08:30 AM	6	33	0	1	2	14	7	44	9	20	6	1	143
08:45 AM	2	30	1	3	7	23	11	41	10	20	2	6	156
Total	15	132	2	5	13	69	31	170	42	56	14	13	562
04:00 PM	4	43	0	0	1	18	16	32	7	20	4	2	147
04:15 PM	1	39	1	0	5	10	6	50	8	21	6	2	149
04:30 PM	2	43	2	1	3	12	10	24	8	20	5	2	132
04:45 PM	2	40	1	2	4	13	10	36	11	21	7	0	147
Total	9	165	4	3	13	53	42	142	34	82	22	6	575
05:00 PM	2	47	1	0	8	11	13	22	9	30	6	0	149
05:15 PM	2	39	2	1	3	14	8	24	8	14	3	2	120
05:30 PM	3	44	0	0	2	10	8	34	12	15	2	0	130
05:45 PM	1	46	2	1	4	5	8	25	10	12	2	3	119
Total	8	176	5	2	17	40	37	105	39	71	13	5	518
Grand Total	38	536	14	16	60	192	135	558	136	245	65	36	2031
Apprch %	6.5	91.2	2.4	6	22.4	71.6	16.3	67.3	16.4	70.8	18.8	10.4	
Total %	1.9	26.4	0.7	0.8	3	9.5	6.6	27.5	6.7	12.1	3.2	1.8	
Passenger Vehicles	33	517	10	15	57	185	127	540	125	230	63	34	1936
% Passenger Vehicles	86.8	96.5	71.4	93.8	95	96.4	94.1	96.8	91.9	93.9	96.9	94.4	95.3
Heavy Vehicles	5	19	4	1	3	7	8	18	11	15	2	2	95
% Heavy Vehicles	13.2	3.5	28.6	6.2	5	3.6	5.9	3.2	8.1	6.1	3.1	5.6	4.7

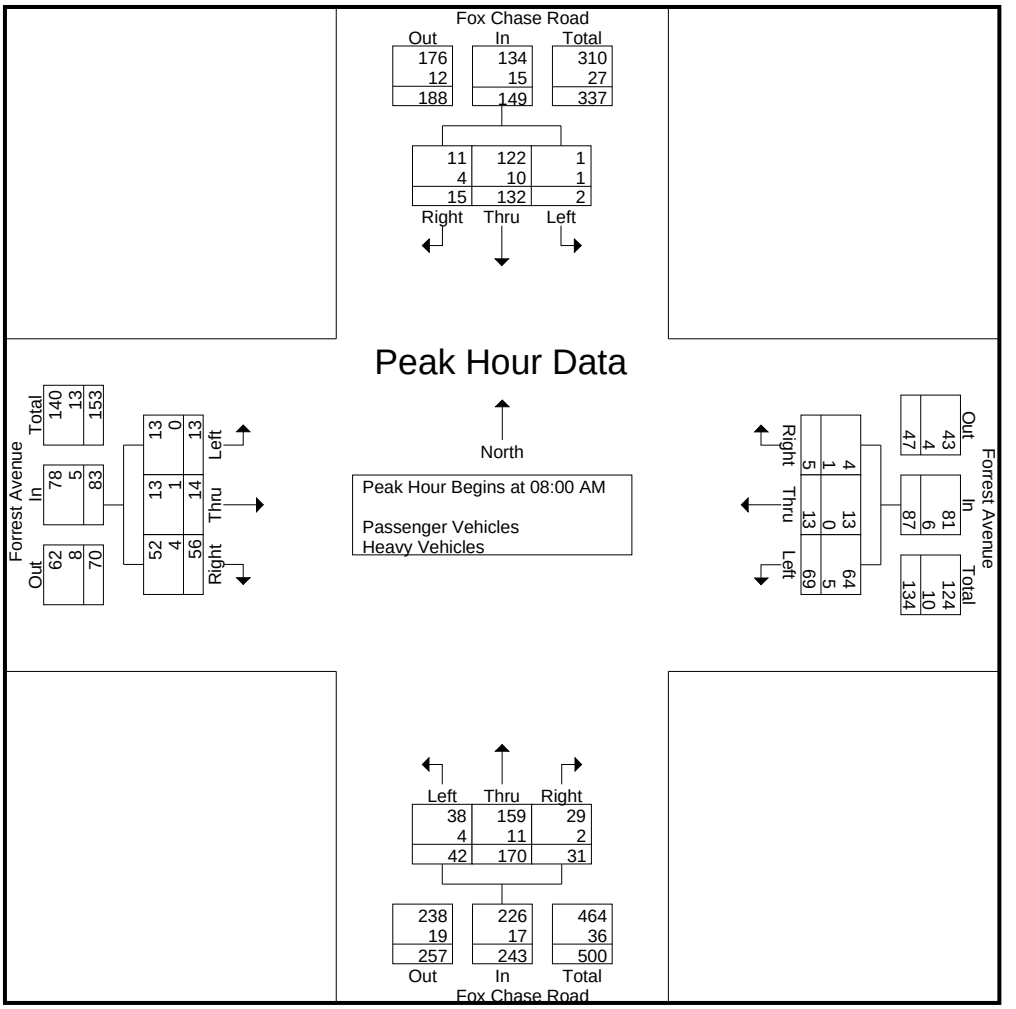
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	FOX CHASE ROAD				FORREST AVENUE				FOX CHASE ROAD				FORREST AVENUE				
	Fox Chase Road Southbound				Forrest Avenue Westbound				Fox Chase Road Northbound				Forrest Avenue Eastbound				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 11:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 08:00 AM																	
08:00 AM	3	**35**	0	38	0	0	18	18	6	39	**12**	57	8	2	4	14	127
08:15 AM	4	34	**1**	**39**	1	4	14	19	7	**46**	11	**64**	8	4	2	14	136
08:30 AM	**6**	33	0	39	1	2	14	17	7	44	9	60	**20**	**6**	1	27	143
08:45 AM	2	30	1	33	**3**	**7**	**23**	**33**	**11**	41	10	62	20	2	**6**	**28**	**156**
Total Volume	15	132	2	149	5	13	69	87	31	170	42	243	56	14	13	83	562
% App. Total	10.1	88.6	1.3		5.7	14.9	79.3		12.8	70	17.3		67.5	16.9	15.7		
PHF	.625	.943	.500	.955	.417	.464	.750	.659	.705	.924	.875	.949	.700	.583	.542	.741	.901
Passenger Vehicles	11	122	1	134	4	13	64	81	29	159	38	226	52	13	13	78	519
% Passenger Vehicles	73.3	92.4	50.0	89.9	80.0	100	92.8	93.1	93.5	93.5	90.5	93.0	92.9	92.9	100	94.0	92.3
Heavy Vehicles	4	10	1	15	1	0	5	6	2	11	4	17	4	1	0	5	43
% Heavy Vehicles	26.7	7.6	50.0	10.1	20.0	0	7.2	6.9	6.5	6.5	9.5	7.0	7.1	7.1	0	6.0	7.7



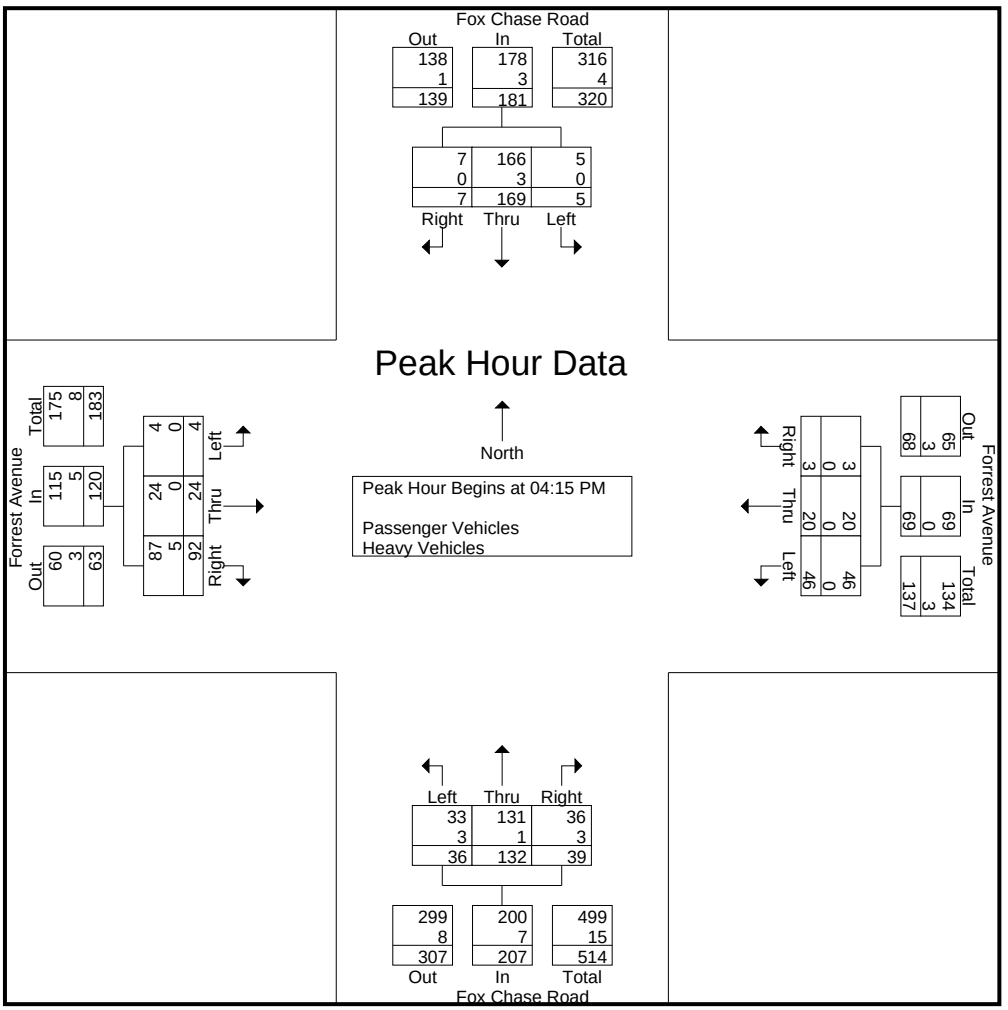
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Fort Washington, PA 19034

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	Fox Chase Road Southbound				Forrest Avenue Westbound				Fox Chase Road Northbound				Forrest Avenue Eastbound				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:15 PM																	
04:15 PM	1	39	1	41	0	5	10	15	6	**50**	8	**64**	21	6	**2**	29	**149**
04:30 PM	**2**	43	**2**	47	1	3	12	16	10	24	8	42	20	5	2	27	132
04:45 PM	2	40	1	43	**2**	4	**13**	**19**	10	36	**11**	57	21	**7**	0	28	147
05:00 PM	2	**47**	1	**50**	0	**8**	11	19	**13**	22	9	44	**30**	6	0	**36**	149
Total Volume	7	169	5	181	3	20	46	69	39	132	36	207	92	24	4	120	577
% App. Total	3.9	93.4	2.8		4.3	29	66.7		18.8	63.8	17.4		76.7	20	3.3		
PHF	.875	.899	.625	.905	.375	.625	.885	.908	.750	.660	.818	.809	.767	.857	.500	.833	.968
Passenger Vehicles	7	166	5	178	3	20	46	69	36	131	33	200	87	24	4	115	562
% Passenger Vehicles	100	98.2	100	98.3	100	100	100	100	92.3	99.2	91.7	96.6	94.6	100	100	95.8	97.4
Heavy Vehicles	0	3	0	3	0	0	0	0	3	1	3	7	5	0	0	5	15
% Heavy Vehicles	0	1.8	0	1.7	0	0	0	0	7.7	0.8	8.3	3.4	5.4	0	0	4.2	2.6



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Groups Printed- Pedestrians

	Forrest Avenue Southbound			Fox Chase Road Westbound			Forrest Avenue Northbound			Fox Chase Road Eastbound			
Start Time	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Int. Total
07:15 AM	0	0	0	0	2	0	0	0	0	0	1	0	3
07:30 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
07:45 AM	0	0	0	0	2	0	0	0	0	0	0	0	2
Total	0	1	0	0	4	0	0	0	0	0	1	0	6
08:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
08:45 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
Total	0	0	0	0	2	0	0	0	0	0	0	0	2
04:15 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
04:30 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
04:45 PM	0	0	0	0	2	0	0	0	0	0	0	0	2
Total	0	1	0	0	3	0	0	0	0	0	0	0	4
05:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	2
05:15 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
05:30 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
05:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
Total	0	1	0	0	3	0	0	0	0	0	1	0	5
Grand Total	0	3	0	0	12	0	0	0	0	0	2	0	17
Apprch %	0	100	0	0	100	0	0	0	0	0	100	0	
Total %	0	17.6	0	0	70.6	0	0	0	0	0	11.8	0	

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Groups Printed- Passenger Vehicles - Heavy Vehicles

	Fox Chase Rd Southbound		Fox Chase Rd Northbound		Manor College Access Eastbound		
Start Time	Right	Thru	Thru	Left	Right	Left	Int. Total
07:00 AM	0	20	43	0	0	0	63
07:15 AM	1	31	35	0	0	0	67
07:30 AM	3	28	54	6	3	0	94
07:45 AM	4	39	55	7	0	0	105
Total	8	118	187	13	3	0	329
08:00 AM	5	55	58	7	1	0	126
08:15 AM	3	55	62	5	1	0	126
08:30 AM	2	64	63	3	0	0	132
08:45 AM	5	67	65	3	0	1	141
Total	15	241	248	18	2	1	525
04:00 PM	2	77	50	0	3	1	133
04:15 PM	0	67	60	1	7	0	135
04:30 PM	0	78	44	1	8	3	134
04:45 PM	0	73	49	3	6	2	133
Total	2	295	203	5	24	6	535
05:00 PM	0	91	36	1	3	8	139
05:15 PM	0	65	36	0	7	1	109
05:30 PM	0	67	53	1	3	1	125
05:45 PM	0	63	46	1	0	0	110
Total	0	286	171	3	13	10	483
Grand Total	25	940	809	39	42	17	1872
Apprch %	2.6	97.4	95.4	4.6	71.2	28.8	
Total %	1.3	50.2	43.2	2.1	2.2	0.9	
Passenger Vehicles	25	899	774	39	42	17	1796
% Passenger Vehicles	100	95.6	95.7	100	100	100	95.9
Heavy Vehicles	0	41	35	0	0	0	76
% Heavy Vehicles	0	4.4	4.3	0	0	0	4.1

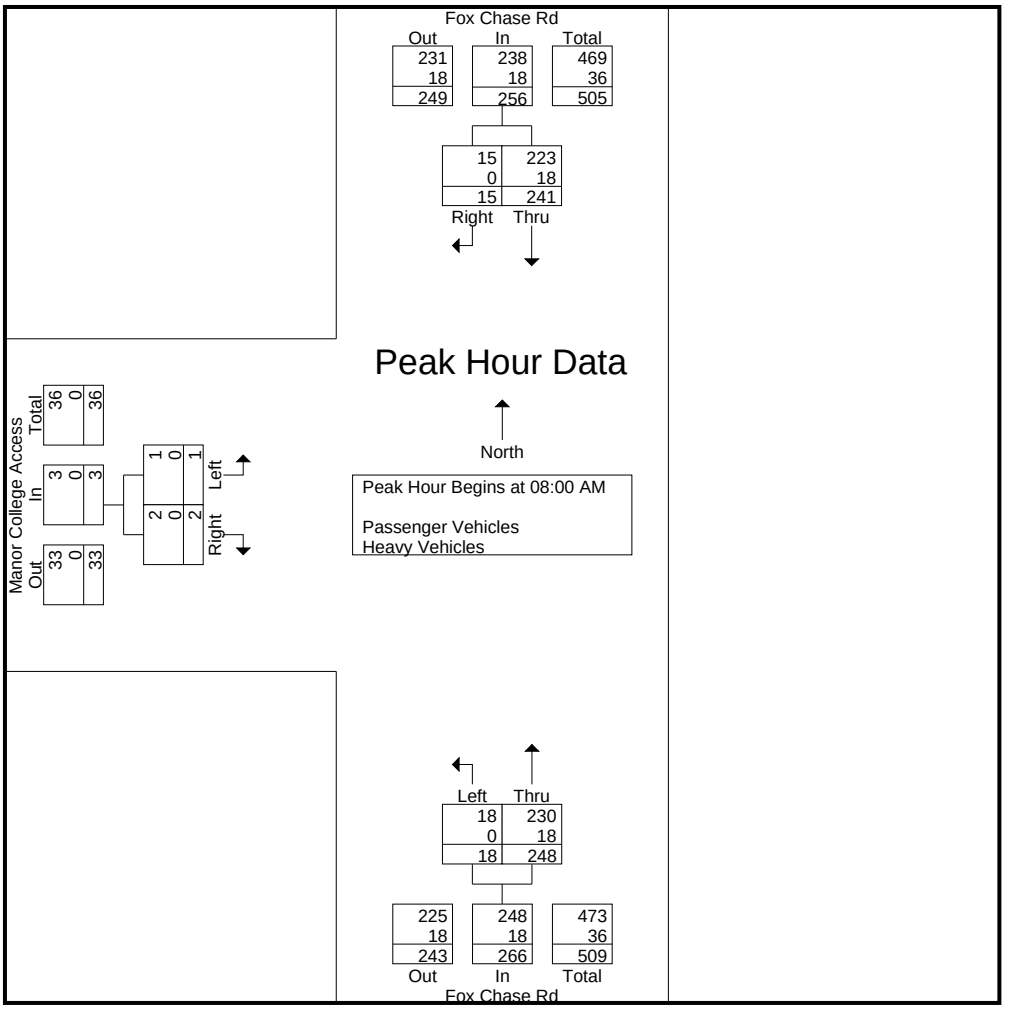
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	Fox Chase Rd Southbound			Fox Chase Rd Northbound			Manor College Access Eastbound			
Start Time	Right	Thru	App. Total	Thru	Left	App. Total	Right	Left	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 11:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 08:00 AM										
08:00 AM	**5**	55	60	58	**7**	65	**1**	0	**1**	126
08:15 AM	3	55	58	62	5	67	1	0	1	126
08:30 AM	2	64	66	63	3	66	0	0	0	132
08:45 AM	5	**67**	**72**	**65**	3	**68**	0	**1**	1	**141**
Total Volume	15	241	256	248	18	266	2	1	3	525
% App. Total	5.9	94.1		93.2	6.8		66.7	33.3		
PHF	.750	.899	.889	.954	.643	.978	.500	.250	.750	.931
Passenger Vehicles	15	223	238	230	18	248	2	1	3	489
% Passenger Vehicles	100	92.5	93.0	92.7	100	93.2	100	100	100	93.1
Heavy Vehicles	0	18	18	18	0	18	0	0	0	36
% Heavy Vehicles	0	7.5	7.0	7.3	0	6.8	0	0	0	6.9



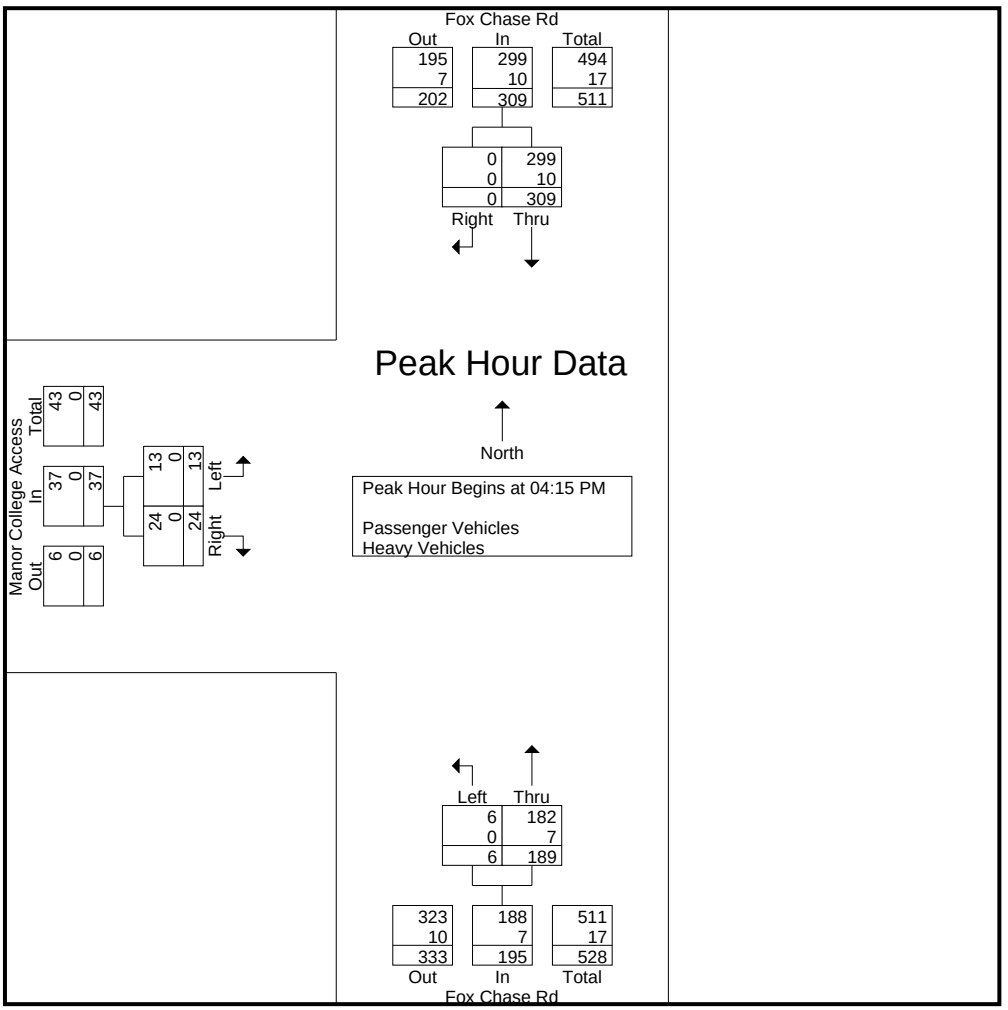
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	Fox Chase Rd Southbound			Fox Chase Rd Northbound			Manor College Access Eastbound			
Start Time	Right	Thru	App. Total	Thru	Left	App. Total	Right	Left	App. Total	Int. Total
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:15 PM										
04:15 PM	0	67	67	**60**	1	**61**	7	0	7	135
04:30 PM	0	78	78	44	1	45	**8**	3	**11**	134
04:45 PM	0	73	73	49	**3**	52	6	2	8	133
05:00 PM	0	**91**	**91**	36	1	37	3	**8**	11	**139**
Total Volume	0	309	309	189	6	195	24	13	37	541
% App. Total	0	100		96.9	3.1		64.9	35.1		
PHF	.000	.849	.849	.788	.500	.799	.750	.406	.841	.973
Passenger Vehicles	0	299	299	182	6	188	24	13	37	524
% Passenger Vehicles	0	96.8	96.8	96.3	100	96.4	100	100	100	96.9
Heavy Vehicles	0	10	10	7	0	7	0	0	0	17
% Heavy Vehicles	0	3.2	3.2	3.7	0	3.6	0	0	0	3.1



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Groups Printed- Pedestrians

	Fox Chase Rd Southbound		Fox Chase Rd Northbound		Manor College Access Eastbound		
Start Time	Right	Thru	Thru	Left	Right	Left	Int. Total
08:00 AM	0	1	0	0	1	0	2
08:15 AM	0	1	0	0	0	0	1
Total	0	2	0	0	1	0	3
04:15 PM	0	0	0	0	1	0	1
Total	0	0	0	0	1	0	1
05:30 PM	0	0	0	0	1	0	1
05:45 PM	0	1	0	0	0	0	1
Total	0	1	0	0	1	0	2
Grand Total	0	3	0	0	3	0	6
Apprch %	0	100	0	0	100	0	
Total %	0	50	0	0	50	0	

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Groups Printed- Passenger Vehicles - Heavy Vehicles

	Cedar Rd Southbound			Fox Chase Rd Westbound			Cedar Rd Northbound			Fox Chase Rd Eastbound			
Start Time	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Int. Total
07:00 AM	13	43	0	0	20	14	13	34	8	5	17	4	171
07:15 AM	14	35	1	1	20	23	18	43	6	4	19	7	191
07:30 AM	10	71	1	3	37	17	19	59	11	13	20	3	264
07:45 AM	19	59	1	0	31	21	24	50	16	10	21	9	261
Total	56	208	3	4	108	75	74	186	41	32	77	23	887
08:00 AM	15	57	2	0	34	21	16	41	13	18	33	10	260
08:15 AM	21	62	0	3	28	15	24	51	12	24	25	8	273
08:30 AM	16	61	0	1	36	32	23	42	17	31	29	9	297
08:45 AM	12	60	1	3	25	16	17	67	26	19	34	14	294
Total	64	240	3	7	123	84	80	201	68	92	121	41	1124
04:00 PM	23	63	1	0	22	24	28	65	14	15	45	18	318
04:15 PM	17	61	2	3	36	15	31	64	15	14	46	19	323
04:30 PM	15	71	1	0	18	7	22	59	16	15	51	19	294
04:45 PM	14	69	2	2	25	29	31	58	13	18	39	17	317
Total	69	264	6	5	101	75	112	246	58	62	181	73	1252
05:00 PM	9	68	1	1	21	13	30	67	6	13	51	25	305
05:15 PM	7	71	2	2	23	16	29	47	8	13	39	23	280
05:30 PM	14	82	1	1	22	13	19	54	16	12	41	17	292
05:45 PM	13	52	2	1	19	13	24	40	20	8	31	17	240
Total	43	273	6	5	85	55	102	208	50	46	162	82	1117
Grand Total	232	985	18	21	417	289	368	841	217	232	541	219	4380
Apprch %	18.8	79.8	1.5	2.9	57.4	39.8	25.8	59	15.2	23.4	54.5	22.1	
Total %	5.3	22.5	0.4	0.5	9.5	6.6	8.4	19.2	5	5.3	12.4	5	
Passenger Vehicles	219	966	16	17	408	280	364	817	202	219	529	204	4241
% Passenger Vehicles	94.4	98.1	88.9	81	97.8	96.9	98.9	97.1	93.1	94.4	97.8	93.2	96.8
Heavy Vehicles	13	19	2	4	9	9	4	24	15	13	12	15	139
% Heavy Vehicles	5.6	1.9	11.1	19	2.2	3.1	1.1	2.9	6.9	5.6	2.2	6.8	3.2

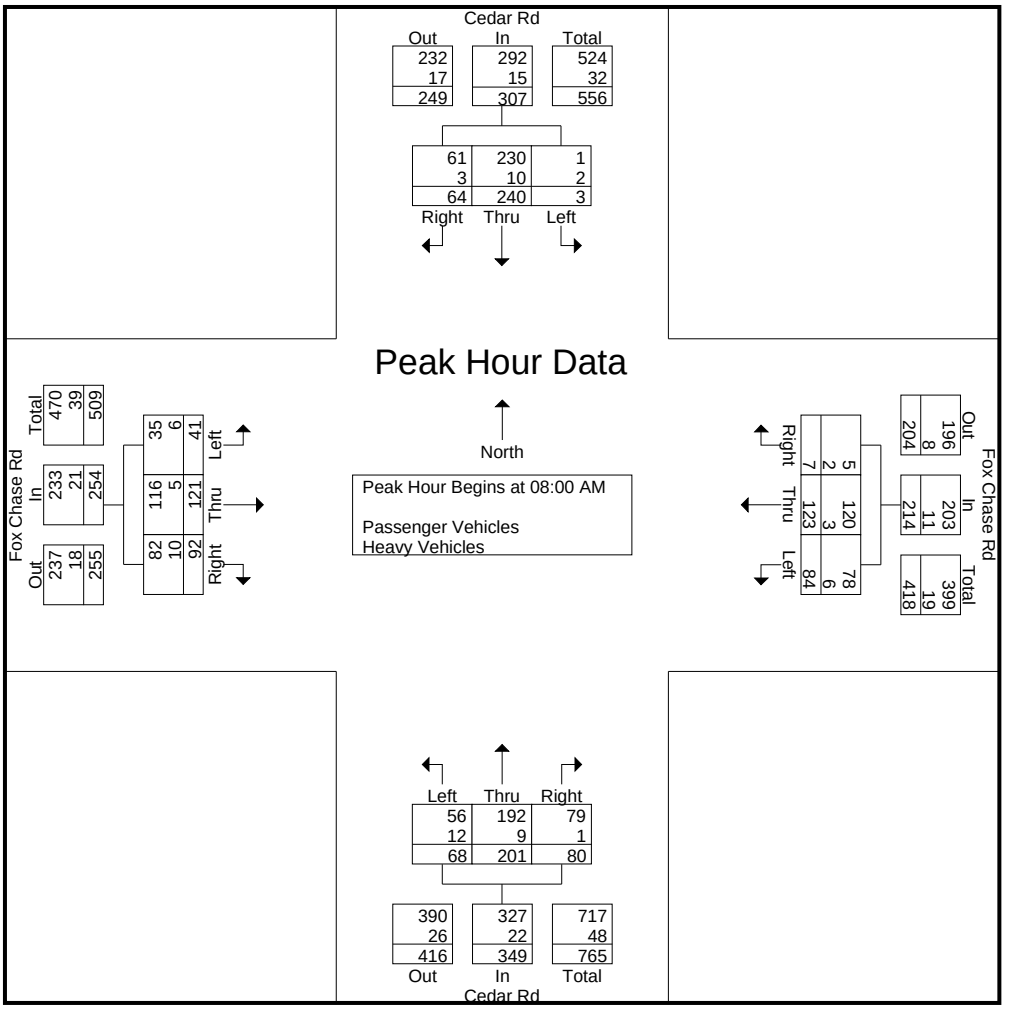
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	Cedar Rd Southbound				Fox Chase Rd Westbound				Cedar Rd Northbound				Fox Chase Rd Eastbound				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 11:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 08:00 AM																	
08:00 AM	15	57	**2**	74	0	34	21	55	16	41	13	70	18	33	10	61	260
08:15 AM	**21**	**62**	0	**83**	**3**	28	15	46	**24**	51	12	87	24	25	8	57	273
08:30 AM	16	61	0	77	1	**36**	**32**	**69**	23	42	17	82	**31**	29	9	**69**	**297**
08:45 AM	12	60	1	73	3	25	16	44	17	**67**	**26**	**110**	19	**34**	**14**	67	294
Total Volume	64	240	3	307	7	123	84	214	80	201	68	349	92	121	41	254	1124
% App. Total	20.8	78.2	1		3.3	57.5	39.3		22.9	57.6	19.5		36.2	47.6	16.1		
PHF	.762	.968	.375	.925	.583	.854	.656	.775	.833	.750	.654	.793	.742	.890	.732	.920	.946
Passenger Vehicles	61	230	1	292	5	120	78	203	79	192	56	327	82	116	35	233	1055
% Passenger Vehicles	95.3	95.8	33.3	95.1	71.4	97.6	92.9	94.9	98.8	95.5	82.4	93.7	89.1	95.9	85.4	91.7	93.9
Heavy Vehicles	3	10	2	15	2	3	6	11	1	9	12	22	10	5	6	21	69
% Heavy Vehicles	4.7	4.2	66.7	4.9	28.6	2.4	7.1	5.1	1.3	4.5	17.6	6.3	10.9	4.1	14.6	8.3	6.1



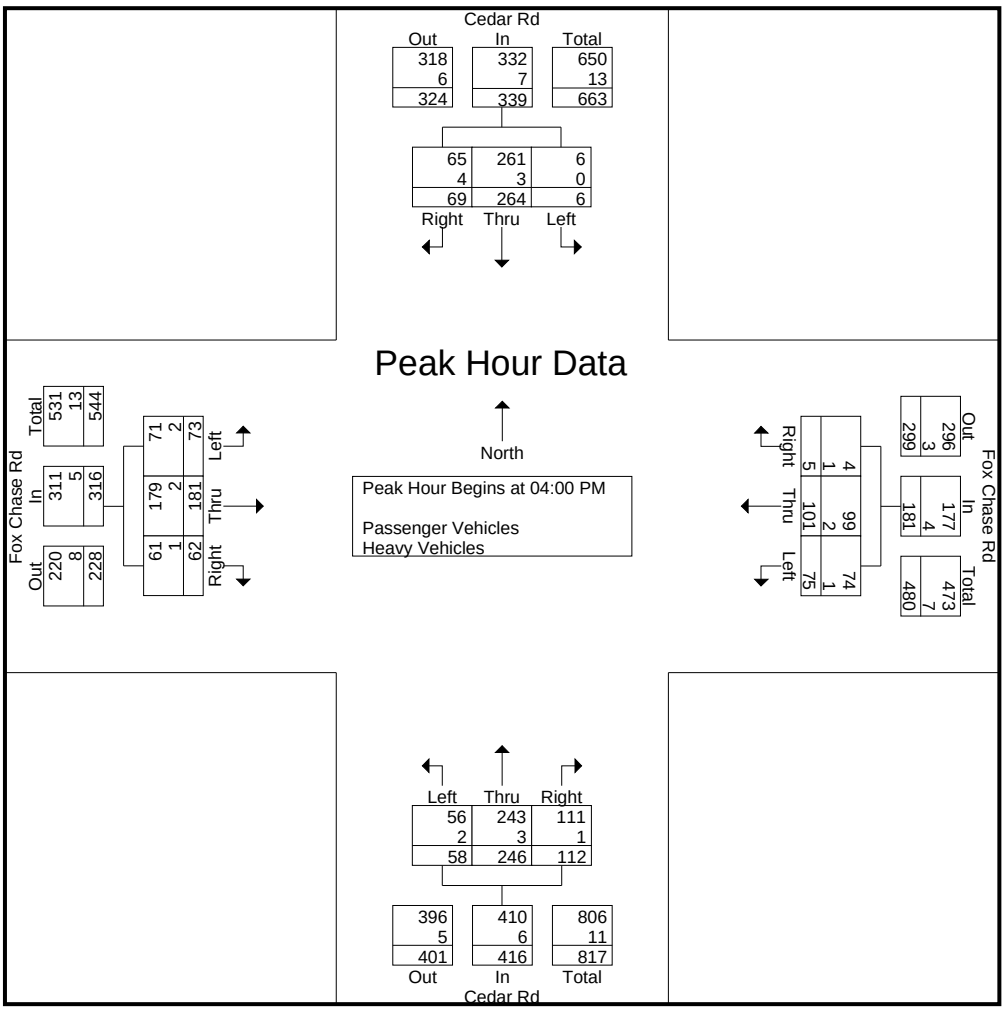
McMahon Associates, Inc.

Transporation Engineers & Planners
425 Commerce Drive, Suite 200
Fort Washington, PA 19034

Municipality: Abington Township
Location: Fox Chase Road & Cedar Road
Counter: M

File Name : stbasils03w
Site Code :
Start Date : 1/11/2022
Page No : 3

	Cedar Rd Southbound				Fox Chase Rd Westbound				Cedar Rd Northbound				Fox Chase Rd Eastbound				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	**23**	63	1	**87**	0	22	24	46	28	**65**	14	107	15	45	18	78	318
04:15 PM	17	61	**2**	80	**3**	**36**	15	54	**31**	64	15	**110**	14	46	**19**	79	**323**
04:30 PM	15	**71**	1	87	0	18	7	25	22	59	**16**	97	15	**51**	19	**85**	294
04:45 PM	14	69	2	85	2	25	**29**	**56**	31	58	13	102	**18**	39	17	74	317
Total Volume	69	264	6	339	5	101	75	181	112	246	58	416	62	181	73	316	1252
% App. Total	20.4	77.9	1.8		2.8	55.8	41.4		26.9	59.1	13.9		19.6	57.3	23.1		
PHF	.750	.930	.750	.974	.417	.701	.647	.808	.903	.946	.906	.945	.861	.887	.961	.929	.969
Passenger Vehicles	65	261	6	332	4	99	74	177	111	243	56	410	61	179	71	311	1230
% Passenger Vehicles	94.2	98.9	100	97.9	80.0	98.0	98.7	97.8	99.1	98.8	96.6	98.6	98.4	98.9	97.3	98.4	98.2
Heavy Vehicles	4	3	0	7	1	2	1	4	1	3	2	6	1	2	2	5	22
% Heavy Vehicles	5.8	1.1	0	2.1	20.0	2.0	1.3	2.2	0.9	1.2	3.4	1.4	1.6	1.1	2.7	1.6	1.8



McMahon Associates, Inc.
Transporation Engineers & Planners
425 Commerce Drive, Suite 200
Fort Washington, PA 19034

Municipality: Abington Township
Location: Fox Chase Road & Cedar Road
Counter: M

File Name : stbasils03w
Site Code :
Start Date : 1/11/2022
Page No : 1

Groups Printed- Pedestrians

	Cedar Rd Southbound			Fox Chase Rd Westbound			Cedar Rd Northbound			Fox Chase Rd Eastbound			
Start Time	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Int. Total
07:15 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00 PM	0	2	0	0	0	0	0	0	0	0	1	0	3
04:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
04:45 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	4	0	0	0	0	0	0	0	0	1	0	5
05:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
05:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	2	0	0	0	0	0	0	0	0	0	0	2
Grand Total	0	7	0	0	0	0	0	0	0	0	1	0	8
Apprch %	0	100	0	0	0	0	0	0	0	0	100	0	
Total %	0	87.5	0	0	0	0	0	0	0	0	12.5	0	

Appendix D

Warrant Analysis Worksheets

Turn Lane Warrant and Length Analysis Workbook

STUDY LOCATION AND ANALYSIS INFORMATION

Municipality:	Abington Township	**Analysis Date:**	1/28/2022
County:	Montgomery County	**Conducted By:**	BGG
PennDOT Engineering District:	6	**Checked By:**	JDG
		Agency/Company Name:	McMahon Associates, Inc.

Intersection & Approach Description: Fox Chase Road and Local Road / Manor Access
Southbound Fox Chase Road Left-Turn

Analysis Period:	2029 Build	**Number of Approach Lanes:**	1
Design Hour:	AM Peak Hour	**Undivided or Divided Highway:**	Undivided
Intersection Control:	Signalized		
Posted Speed Limit (MPH):	35		**Type of Analysis**
Type of Terrain:	Level	**Left or Right-Turn Lane Analysis?:**	Left Turn Lane

VOLUME CALCULATIONS

Left Turn Lane Volume Calculations

Movement		Include?	Volume	% Trucks	PCEV
Advancing	Left	Yes	4	2.0%	5
	Through	-	248	8.0%	258
	Right	Yes	15	0.0%	15
Opposing	Left	Yes	18	0.0%	18
	Through	-	254	7.0%	263
	Right	Yes	13	2.0%	14

Advancing Volume:	278
Opposing Volume:	295
Left Turn Volume:	5
% Left Turns in Advancing Volume:	1.80%

Right Turn Lane Volume Calculations

Movement		Include?	Volume	% Trucks	PCEV
Advancing	Left		0	0.0%	N/A
	Through	-	0	0.0%	N/A
	Right	-	0	0.0%	N/A

Advancing Volume:	N/A
Right Turn Volume:	N/A

TURN LANE WARRANT FINDINGS

Left Turn Lane Warrant Findings

Applicable Warrant Figure: **Figure 1**

Warrant Met?: **No**

Right Turn Lane Warrant Findings

Applicable Warrant Figure: **N/A**

Warrant Met?: **N/A**

TURN LANE LENGTH CALCULATIONS

Intersection Control:	Signalized
Design Hour Volume of Turning Lane:	5
Cycles Per Hour (Assumed):	Known
Cycles Per Hour (If Known):	54

Average # of Vehicles/Cycle: N/A

PennDOT Publication 46, Exhibit 11-6

Type of Traffic Control	Speed (MPH)					
	25-35		40-45		50-60	
	Turn Demand Volume					
	High	Low	High	Low	High	Low
Signalized	A	A	B or C	B or C	B or C	B or C
Unsignalized	A	A	C	B	B or C	B

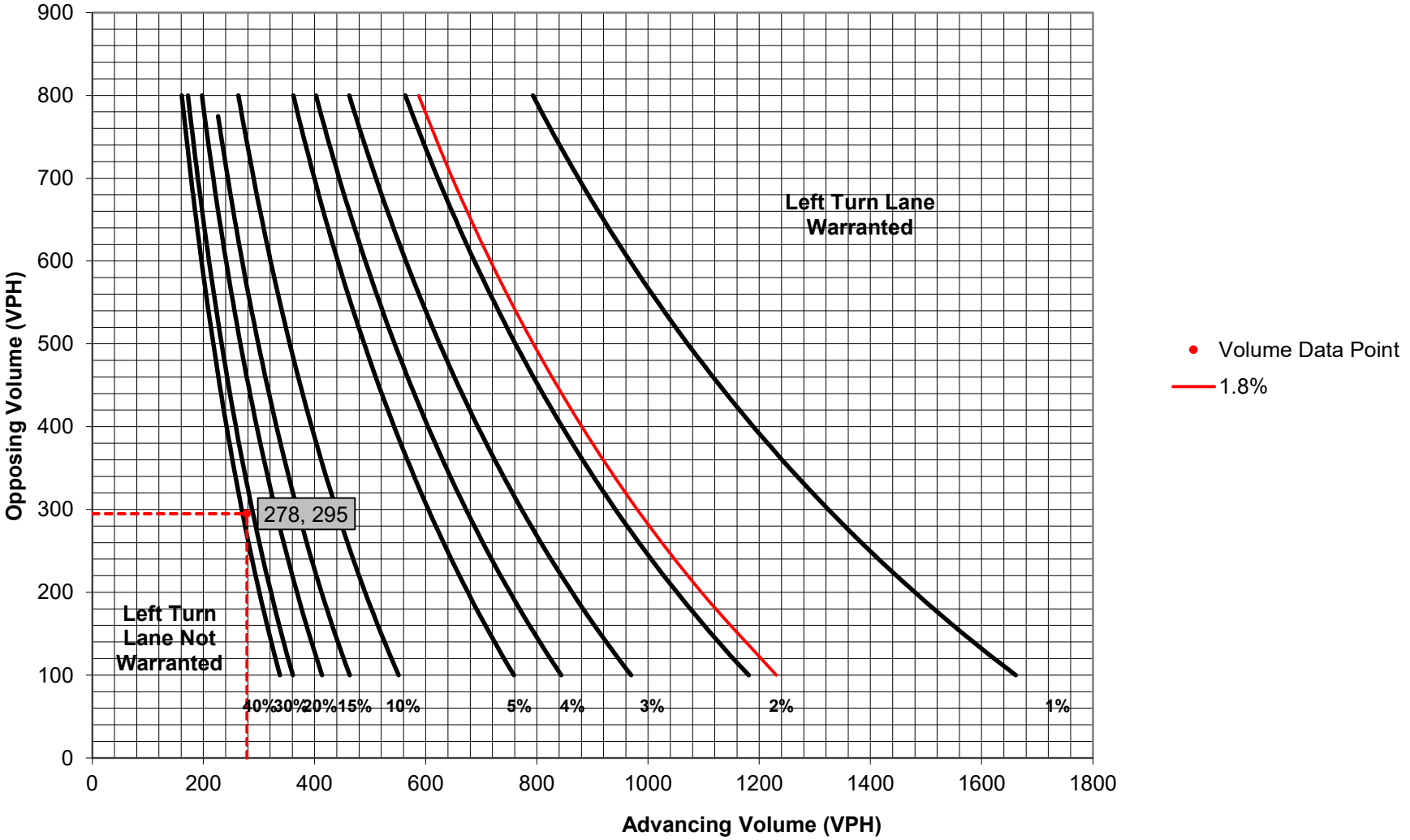
Left Turn Lane Storage Length, Condition A:	**N/A**	**Feet**
Condition B:	**N/A**	**Feet**
Condition C:	**N/A**	**Feet**
Required Left Turn Lane Storage Length:	**N/A**	**Feet**

Additional Findings:
N/A

Additional Comments / Justifications:

Figure 1. Warrant for left turn lanes on two-lane roadways (speeds to 35 mph, unsignalized and signalized intersections)

(L = % Left Turns in Advancing Volume)



Turn Lane Warrant and Length Analysis Workbook

STUDY LOCATION AND ANALYSIS INFORMATION

Municipality:	Abington Township	**Analysis Date:**	1/28/2022
County:	Montgomery County	**Conducted By:**	BGG
PennDOT Engineering District:	6	**Checked By:**	JDG
		Agency/Company Name:	McMahon Associates, Inc.

Intersection & Approach Description: Fox Chase Road and Local Road / Manor Access
Southbound Fox Chase Road Left-Turn Lane

Analysis Period:	2029 Build	**Number of Approach Lanes:**	1
Design Hour:	PM Peak Hour	**Undivided or Divided Highway:**	Undivided
Intersection Control:	Signalized		
Posted Speed Limit (MPH):	35		**Type of Analysis**
Type of Terrain:	Level	**Left or Right-Turn Lane Analysis?:**	Left Turn Lane

VOLUME CALCULATIONS

Left Turn Lane Volume Calculations

Movement		Include?	Volume	% Trucks	PCEV
Advancing	Left	Yes	9	2.0%	10
	Through	-	316	3.0%	321
	Right	Yes	0	0.0%	0
Opposing	Left	Yes	6	0.0%	6
	Through	-	199	4.0%	203
	Right	Yes	28	2.0%	29

Advancing Volume:	331
Opposing Volume:	238
Left Turn Volume:	10
% Left Turns in Advancing Volume:	3.02%

Right Turn Lane Volume Calculations

Movement		Include?	Volume	% Trucks	PCEV
Advancing	Left	Yes	0	0.0%	N/A
	Through	-	0	0.0%	N/A
	Right	-	0	0.0%	N/A

Advancing Volume:	N/A
Right Turn Volume:	N/A

TURN LANE WARRANT FINDINGS

Left Turn Lane Warrant Findings

Applicable Warrant Figure: **Figure 1**

Warrant Met?: **No**

Right Turn Lane Warrant Findings

Applicable Warrant Figure: **N/A**

Warrant Met?: **N/A**

TURN LANE LENGTH CALCULATIONS

Intersection Control:	Signalized
Design Hour Volume of Turning Lane:	10
Cycles Per Hour (Assumed):	Known
Cycles Per Hour (If Known):	54

Average # of Vehicles/Cycle: N/A

PennDOT Publication 46, Exhibit 11-6

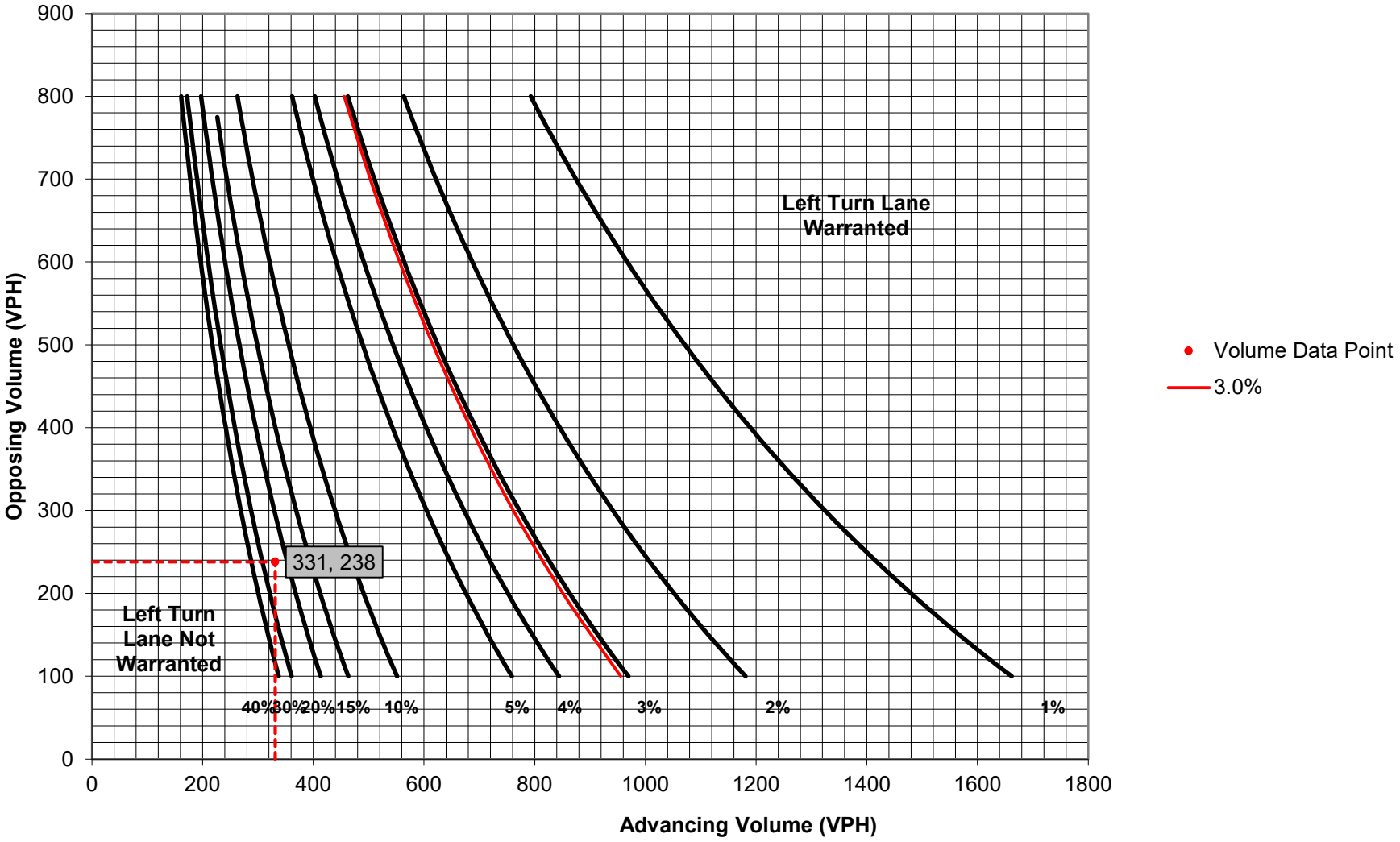
Type of Traffic Control	Speed (MPH)					
	25-35		40-45		50-60	
	Turn Demand Volume					
	High	Low	High	Low	High	Low
Signalized	A	A	B or C	B or C	B or C	B or C
Unsignalized	A	A	C	B	B or C	B

Left Turn Lane Storage Length, Condition A:	**N/A**	**Feet**
Condition B:	**N/A**	**Feet**
Condition C:	**N/A**	**Feet**
Required Left Turn Lane Storage Length:	**N/A**	**Feet**

Additional Findings:
N/A

Additional Comments / Justifications:

Figure 1. Warrant for left turn lanes on two-lane roadways (speeds to 35 mph, unsignalized and signalized intersections)
(L = % Left Turns in Advancing Volume)



Turn Lane Warrant and Length Analysis Workbook

STUDY LOCATION AND ANALYSIS INFORMATION

Municipality:	Abington Township	**Analysis Date:**	1/28/2022
County:	Montgomery County	**Conducted By:**	BGG
PennDOT Engineering District:	6	**Checked By:**	JDG
		Agency/Company Name:	McMahon Associates, Inc.

Intersection & Approach Description: Fox Chase Road and Local Road / Manor Access
Northbound Fox Chase Road Left-Turn

Analysis Period:	2029 Build	**Number of Approach Lanes:**	1
Design Hour:	AM Peak Hour	**Undivided or Divided Highway:**	Undivided
Intersection Control:	Signalized		
Posted Speed Limit (MPH):	35		**Type of Analysis**
Type of Terrain:	Level	**Left or Right-Turn Lane Analysis?:**	Left Turn Lane

VOLUME CALCULATIONS

Left Turn Lane Volume Calculations

Movement		Include?	Volume	% Trucks	PCEV
Advancing	Left	Yes	18	0.0%	18
	Through	-	254	7.0%	263
	Right	Yes	13	2.0%	14
Opposing	Left	Yes	4	2.0%	5
	Through	-	248	8.0%	258
	Right	Yes	15	0.0%	15

Advancing Volume:	295
Opposing Volume:	278
Left Turn Volume:	18
% Left Turns in Advancing Volume:	6.10%

Right Turn Lane Volume Calculations

Movement		Include?	Volume	% Trucks	PCEV
Advancing	Left				N/A
	Through	-			N/A
	Right	-			N/A

Advancing Volume:	N/A
Right Turn Volume:	N/A

TURN LANE WARRANT FINDINGS

Left Turn Lane Warrant Findings

Applicable Warrant Figure: **Figure 1**

Warrant Met?: **No**

Right Turn Lane Warrant Findings

Applicable Warrant Figure: **N/A**

Warrant Met?: **N/A**

TURN LANE LENGTH CALCULATIONS

Intersection Control:	Signalized
Design Hour Volume of Turning Lane:	18
Cycles Per Hour (Assumed):	Known
Cycles Per Hour (If Known):	54

Average # of Vehicles/Cycle: N/A

PennDOT Publication 46, Exhibit 11-6

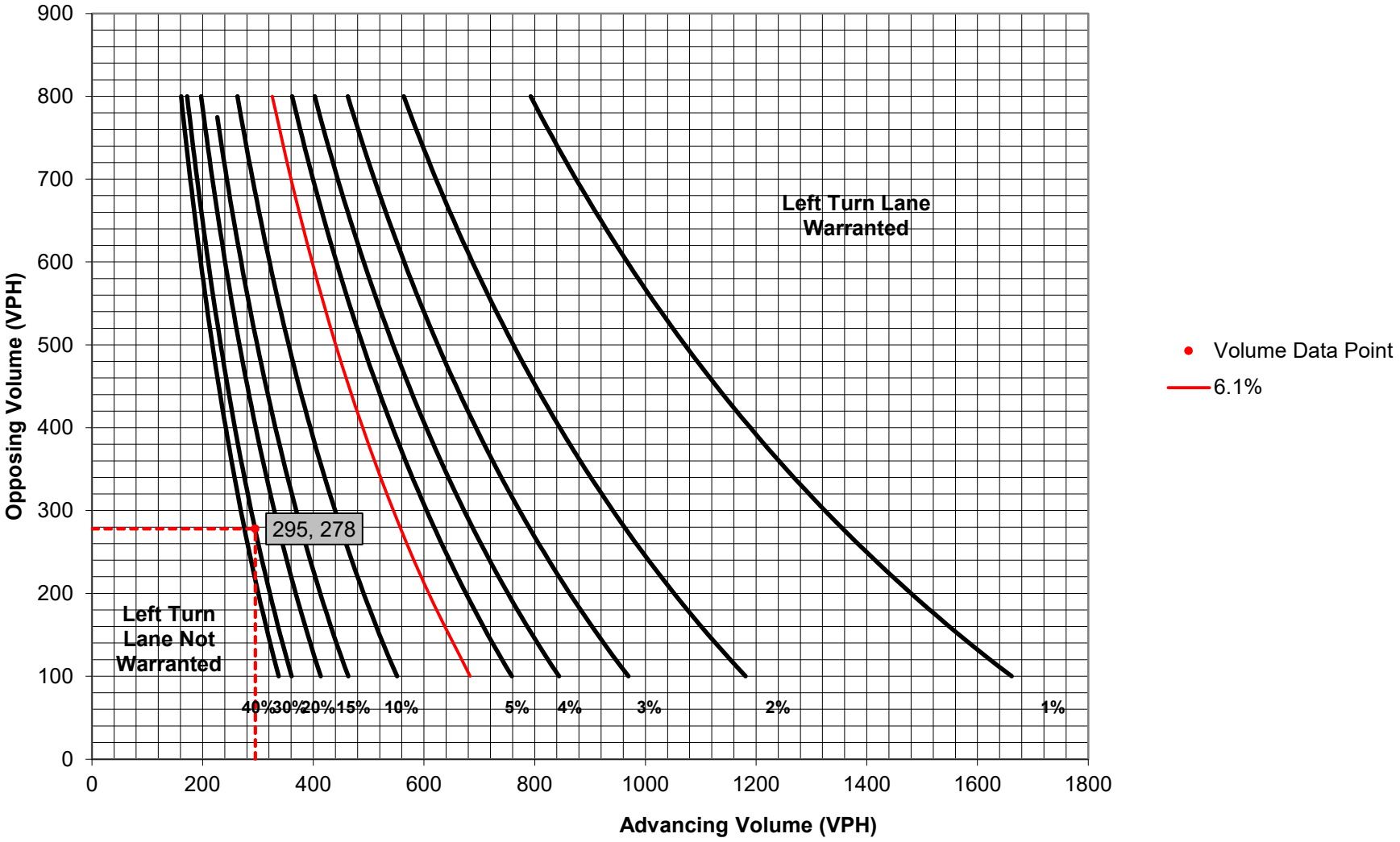
Type of Traffic Control	Speed (MPH)					
	25-35		40-45		50-60	
	Turn Demand Volume					
	High	Low	High	Low	High	Low
Signalized	A	A	B or C	B or C	B or C	B or C
Unsignalized	A	A	C	B	B or C	B

Left Turn Lane Storage Length, Condition A:	**N/A**	**Feet**
Condition B:	**N/A**	**Feet**
Condition C:	**N/A**	**Feet**
Required Left Turn Lane Storage Length:	**N/A**	**Feet**

Additional Findings:
N/A

Additional Comments / Justifications:

Figure 1. Warrant for left turn lanes on two-lane roadways
(speeds to 35 mph, unsignalized and signalized intersections)
(L = % Left Turns in Advancing Volume)



Turn Lane Warrant and Length Analysis Workbook

STUDY LOCATION AND ANALYSIS INFORMATION

Municipality:	Abington Township	**Analysis Date:**	1/28/2022
County:	Montgomery County	**Conducted By:**	BGG
PennDOT Engineering District:	6	**Checked By:**	JDG
		Agency/Company Name:	McMahon Associates, Inc.

Intersection & Approach Description: Fox Chase Road and Local Road / Manor Access
Northbound Fox Chase Road Left-Turn Lane

Analysis Period:	2029 Build	**Number of Approach Lanes:**	1
Design Hour:	PM Peak Hour	**Undivided or Divided Highway:**	Undivided
Intersection Control:	Signalized		
Posted Speed Limit (MPH):	35		**Type of Analysis**
Type of Terrain:	Level	**Left or Right-Turn Lane Analysis?:**	Left Turn Lane

VOLUME CALCULATIONS

Left Turn Lane Volume Calculations

Movement		Include?	Volume	% Trucks	PCEV
Advancing	Left	Yes	6	0.0%	6
	Through	-	199	4.0%	203
	Right	Yes	28	2.0%	29
Opposing	Left	Yes	9	2.0%	10
	Through	-	316	3.0%	321
	Right	Yes	0	0.0%	0

Advancing Volume:	238
Opposing Volume:	331
Left Turn Volume:	6
% Left Turns in Advancing Volume:	2.52%

Right Turn Lane Volume Calculations

Movement		Include?	Volume	% Trucks	PCEV
Advancing	Left	Yes			N/A
	Through	-			N/A
	Right	-			N/A

Advancing Volume:	N/A
Right Turn Volume:	N/A

TURN LANE WARRANT FINDINGS

Left Turn Lane Warrant Findings

Applicable Warrant Figure: **Figure 1**

Warrant Met?: **No**

Right Turn Lane Warrant Findings

Applicable Warrant Figure: **N/A**

Warrant Met?: **N/A**

TURN LANE LENGTH CALCULATIONS

Intersection Control:	Signalized
Design Hour Volume of Turning Lane:	6
Cycles Per Hour (Assumed):	Known
Cycles Per Hour (If Known):	54

Average # of Vehicles/Cycle: N/A

PennDOT Publication 46, Exhibit 11-6

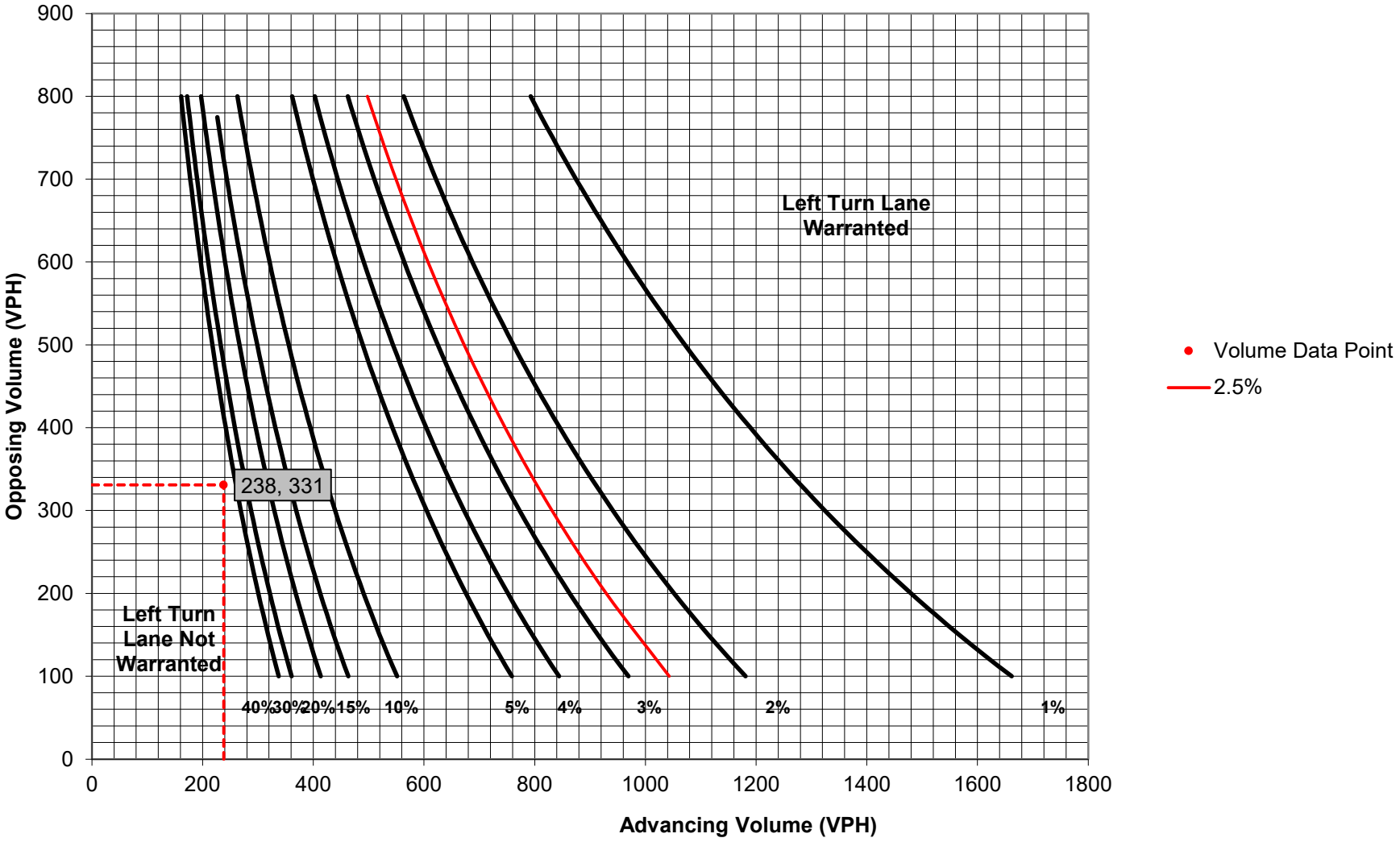
Type of Traffic Control	Speed (MPH)					
	25-35		40-45		50-60	
	Turn Demand Volume					
	High	Low	High	Low	High	Low
Signalized	A	A	B or C	B or C	B or C	B or C
Unsignalized	A	A	C	B	B or C	B

Left Turn Lane Storage Length, Condition A:	**N/A**	**Feet**
Condition B:	**N/A**	**Feet**
Condition C:	**N/A**	**Feet**
Required Left Turn Lane Storage Length:	**N/A**	**Feet**

Additional Findings:
N/A

Additional Comments / Justifications:

Figure 1. Warrant for left turn lanes on two-lane roadways (speeds to 35 mph, unsignalized and signalized intersections)
(L = % Left Turns in Advancing Volume)



Turn Lane Warrant and Length Analysis Workbook

STUDY LOCATION AND ANALYSIS INFORMATION

Municipality:	Abington Township	**Analysis Date:**	1/28/2022
County:	Montgomery County	**Conducted By:**	BGG
PennDOT Engineering District:	6	**Checked By:**	JDG
		Agency/Company Name:	McMahon Associates, Inc.

Intersection & Approach Description: Fox Chase Road and Local Road / Manor Access
Northbound Right-Turn Fox Chase Road

Analysis Period:	2029 Build	**Number of Approach Lanes:**	1
Design Hour:	AM Peak Hour	**Undivided or Divided Highway:**	Undivided
Intersection Control:	Signalized		
Posted Speed Limit (MPH):	35		**Type of Analysis**
Type of Terrain:	Level	**Left or Right-Turn Lane Analysis?:**	Right Turn Lane

VOLUME CALCULATIONS

Left Turn Lane Volume Calculations

Movement		Include?	Volume	% Trucks	PCEV
Advancing	Left	Yes	4	2.0%	N/A
	Through	-	248	8.0%	N/A
	Right	Yes	15	0.0%	N/A
Opposing	Left	Yes	18	0.0%	N/A
	Through	-	254	7.0%	N/A
	Right	Yes	13	2.0%	N/A

Advancing Volume:	N/A
Opposing Volume:	N/A
Left Turn Volume:	N/A
% Left Turns in Advancing Volume:	N/A

Right Turn Lane Volume Calculations

Movement		Include?	Volume	% Trucks	PCEV
Advancing	Left	Yes	18	0.0%	18
	Through	-	254	7.0%	263
	Right	-	13	2.0%	14

Advancing Volume:	295
Right Turn Volume:	14

TURN LANE WARRANT FINDINGS

Left Turn Lane Warrant Findings

Applicable Warrant Figure: N/A

Warrant Met?: N/A

Right Turn Lane Warrant Findings

Applicable Warrant Figure: Figure 9

Warrant Met?: No

TURN LANE LENGTH CALCULATIONS

Intersection Control:	Signalized
Design Hour Volume of Turning Lane:	14
Cycles Per Hour (Assumed):	Known
Cycles Per Hour (If Known):	54

Average # of Vehicles/Cycle: N/A

PennDOT Publication 46, Exhibit 11-6

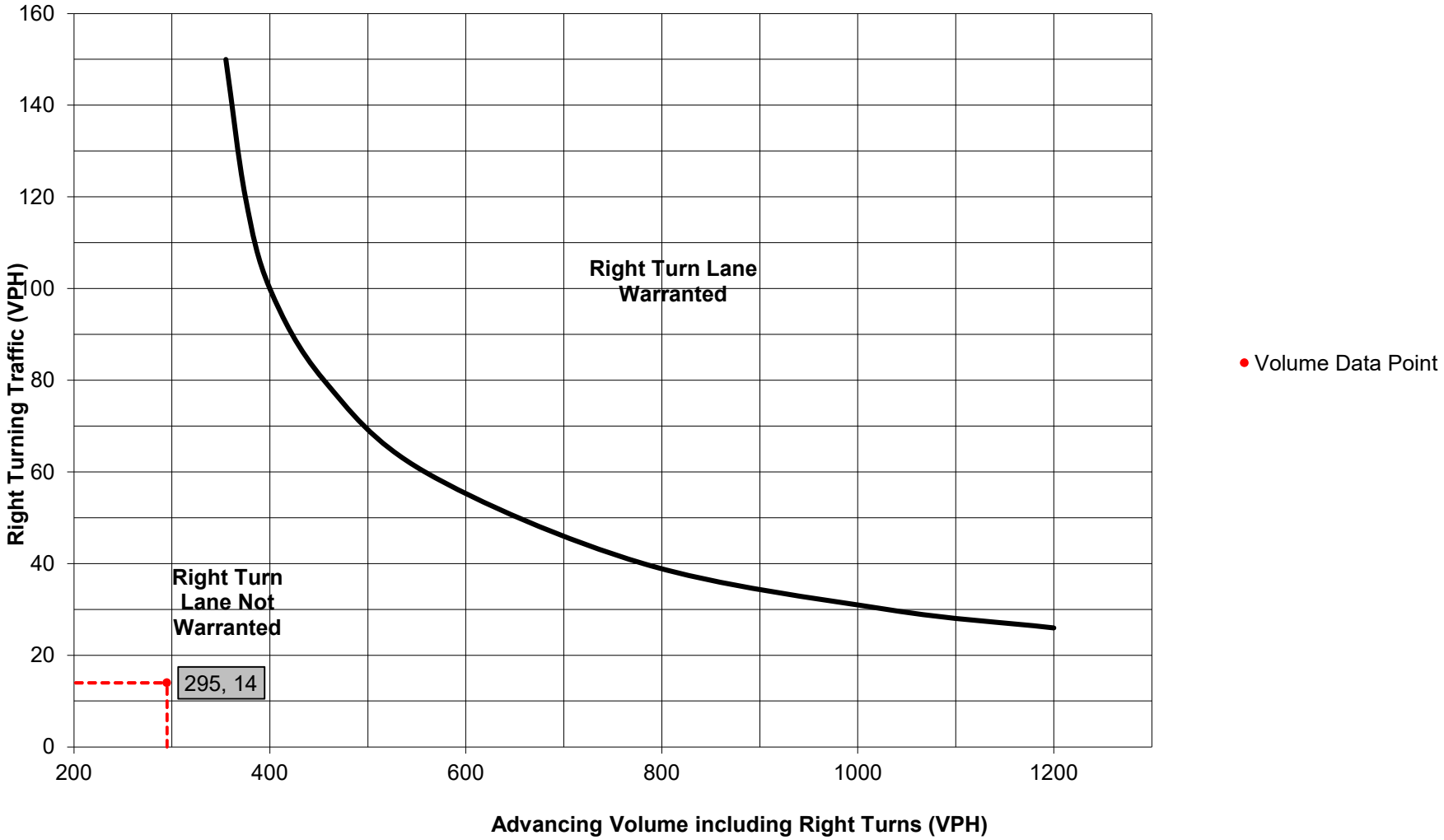
Type of Traffic Control	Speed (MPH)					
	25-35		40-45		50-60	
	Turn Demand Volume					
	High	Low	High	Low	High	Low
Signalized	A	A	B or C	B or C	B or C	B or C
Unsignalized	A	A	C	B	B or C	B

Right Turn Lane Storage Length, Condition A:	N/A	Feet
Condition B:	N/A	Feet
Condition C:	N/A	Feet
Required Right Turn Lane Storage Length:	N/A	Feet

Additional Findings:
N/A

Additional Comments / Justifications:

Figure 9. Warrant for right turn lanes on two-lane roadways
(40 mph or lower speeds, unsignalized and signalized intersections)



Turn Lane Warrant and Length Analysis Workbook

STUDY LOCATION AND ANALYSIS INFORMATION

Municipality:	Abington Township	**Analysis Date:**	1/28/2022
County:	Montgomery County	**Conducted By:**	BGG
PennDOT Engineering District:	6	**Checked By:**	JDG
		Agency/Company Name:	McMahon Associates, Inc.

Intersection & Approach Description: Fox Chase Road and Local Road / Manor Access
Northbound Right-Turn Fox Chase Road

Analysis Period:	2029 Build	**Number of Approach Lanes:**	1
Design Hour:	PM Peak Hour	**Undivided or Divided Highway:**	Undivided
Intersection Control:	Signalized		
Posted Speed Limit (MPH):	35		**Type of Analysis**
Type of Terrain:	Level	**Left or Right-Turn Lane Analysis?:**	Right Turn Lane

VOLUME CALCULATIONS

Left Turn Lane Volume Calculations

Movement		Include?	Volume	% Trucks	PCEV
Advancing	Left	Yes	9	2.0%	N/A
	Through	-	316	3.0%	N/A
	Right	Yes	0	0.0%	N/A
Opposing	Left	Yes	6	0.0%	N/A
	Through	-	199	4.0%	N/A
	Right	Yes	28	2.0%	N/A

Advancing Volume:	N/A
Opposing Volume:	N/A
Left Turn Volume:	N/A
% Left Turns in Advancing Volume:	N/A

Right Turn Lane Volume Calculations

Movement		Include?	Volume	% Trucks	PCEV
Advancing	Left	Yes	6	0.0%	6
	Through	-	199	4.0%	203
	Right	-	28	2.0%	29

Advancing Volume:	238
Right Turn Volume:	29

TURN LANE WARRANT FINDINGS

Left Turn Lane Warrant Findings

Applicable Warrant Figure: N/A

Warrant Met?: N/A

Right Turn Lane Warrant Findings

Applicable Warrant Figure: Figure 9

Warrant Met?: No

TURN LANE LENGTH CALCULATIONS

Intersection Control:	Signalized
Design Hour Volume of Turning Lane:	29
Cycles Per Hour (Assumed):	Known
Cycles Per Hour (If Known):	54

Average # of Vehicles/Cycle: N/A

PennDOT Publication 46, Exhibit 11-6

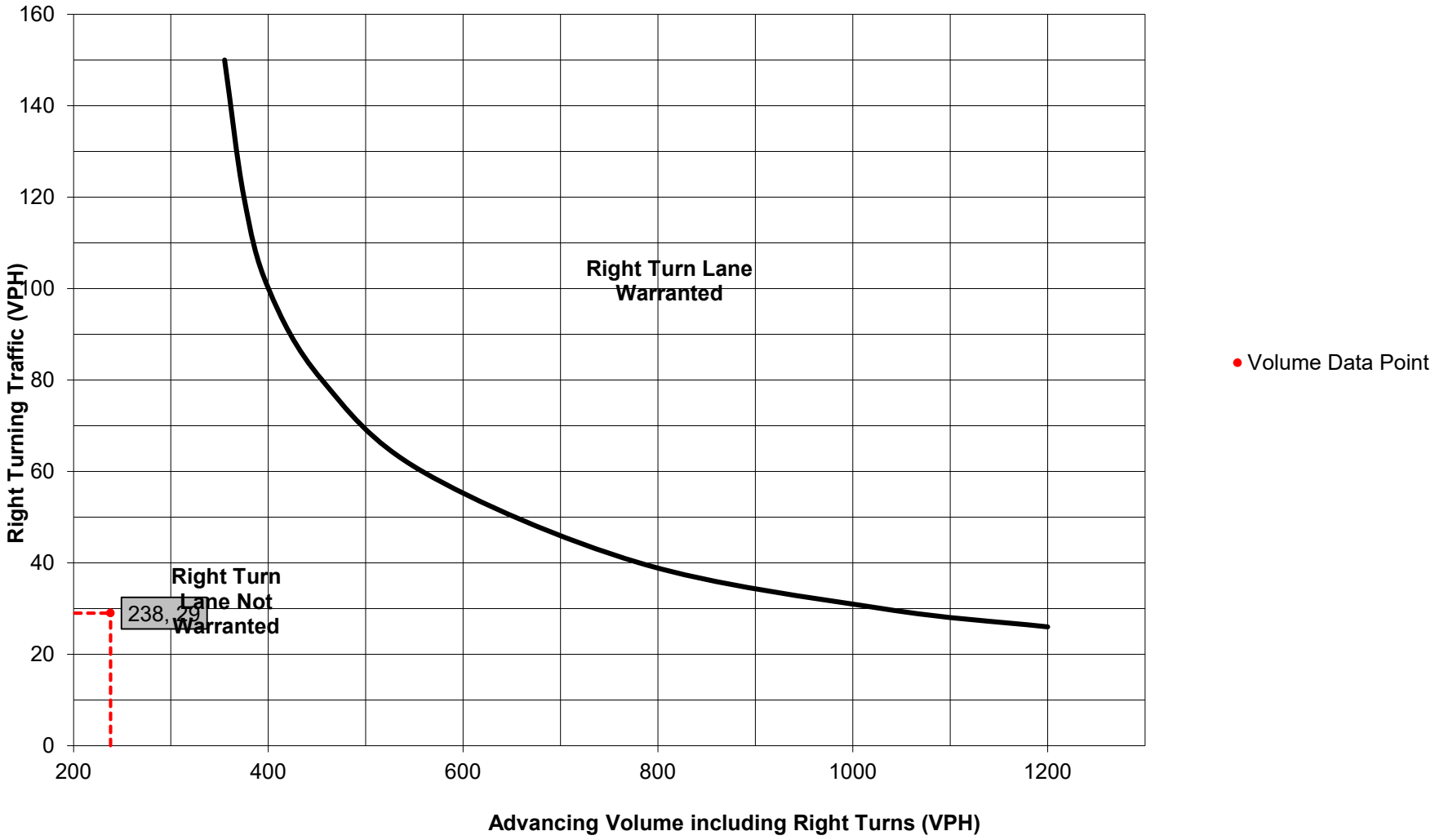
Type of Traffic Control	Speed (MPH)					
	25-35		40-45		50-60	
	Turn Demand Volume					
	High	Low	High	Low	High	Low
Signalized	A	A	B or C	B or C	B or C	B or C
Unsignalized	A	A	C	B	B or C	B

Right Turn Lane Storage Length, Condition A:	N/A	Feet
Condition B:	N/A	Feet
Condition C:	N/A	Feet
Required Right Turn Lane Storage Length:	N/A	Feet

Additional Findings:
N/A

Additional Comments / Justifications:

Figure 9. Warrant for right turn lanes on two-lane roadways
(40 mph or lower speeds, unsignalized and signalized intersections)



LEFT-TURN CONFLICT FACTOR WORKSHEET

INTERSECTION:	Fox Chase Road and Manor College / Proposed Local Road	**PEMIT NUMBER:**	64-2762
COUNTY:	Montgomery	**MUNICIPALITY:**	Abington Township
		COUNT DATE / SCENARIO:	2029 Projected

INTERSECTION VOLUMES

INTERVAL	NORTHBOUND FOX CHASE ROAD			SOUTHBOUND FOX CHASE ROAD			EASTBOUND MANOR COLLEGE			WESTBOUND PROPOSED LOCAL ROAD			CYCLE LENGTH (sec)
	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	
AM PEAK	18	254	13	4	248	15	1	0	2	27	0	9	67
MIDDAY PEAK													
PM PEAK	6	199	28	9	316	0	13	0	25	18	0	6	67
SAT PEAK													

LEFT-TURN CONFLICT FACTOR CALCULATIONS [1]

NORTHBOUND APPROACH	FOX CHASE ROAD
Exclusive Left-Turn Lane	NO
Number of Opposing Lanes	1
Include Opposing Right-Turn	YES
Required C.F (Prot/Permit)	35,000
Required C.F (Prot/Prohib)	N/A

NOTES

Hour	NB Left	Opposing Volume	Turns per Cycle	NB Conflict Factor	L.T.P. Justified
AM PEAK	18	263	0.34	4734	NO
MIDDAY PEAK	0	0		0	NO
PM PEAK	6	316	0.11	1896	NO
SAT PEAK	0	0		0	NO

SOUTHBOUND APPROACH	FOX CHASE ROAD
Exclusive Left-Turn Lane	NO
Number of Opposing Lanes	1
Include Opposing Right-Turn	YES
Required C.F (Prot/Permit)	35,000
Required C.F (Prot/Prohib)	N/A

NOTES

Hour	SB Left	Opposing Volume	Turns per Cycle	SB Conflict Factor	L.T.P. Justified
AM PEAK	4	267	0.07	1068	NO
MIDDAY PEAK	0	0		0	NO
PM PEAK	9	227	0.17	2043	NO
SAT PEAK	0	0		0	NO

EASTBOUND APPROACH	MANOR COLLEGE
Exclusive Left-Turn Lane	NO
Number of Opposing Lanes	1
Include Opposing Right-Turn	YES
Required C.F (Prot/Permit)	35,000
Required C.F (Prot/Prohib)	N/A

NOTES

Hour	EB Left	Opposing Volume	Turns per Cycle	EB Conflict Factor	L.T.P. Justified
AM PEAK	1	9	0.02	9	NO
MIDDAY PEAK	0	0		0	NO
PM PEAK	13	6	0.24	78	NO
SAT PEAK	0	0		0	NO

WESTBOUND APPROACH	PROPOSED LOCAL ROAD
Exclusive Left-Turn Lane	NO
Number of Opposing Lanes	1
Include Opposing Right-Turn	YES
Required C.F (Prot/Permit)	35,000
Required C.F (Prot/Prohib)	N/A

NOTES

Hour	WB Left	Opposing Volume	Turns per Cycle	WB Conflict Factor	L.T.P. Justified
AM PEAK	27	2	0.50	54	NO
MIDDAY PEAK	0	0		0	NO
PM PEAK	18	25	0.34	450	NO
SAT PEAK	0	0		0	NO

RECOMMENDATIONS:	No dedicated left-turn phases.

COMPLETED BY:	BGG	1/31/2022
QAQC BY:	SAK	2/3/2022

(1) Based on guidelines outlined within PennDOT Publication 149, Chapter 3.1

Appendix E

Traffic Volume Projection Worksheets

Fox Chase Road & Forrest Avenue
INTERSECTION VOLUME PROJECTION SUMMARY
Weekday 7 AM - 9 AM

		EASTBOUND			WESTBOUND			NORTHBOUND			SOUTHBOUND		
		Forrest Avenue			Forrest Avenue			Fox Chase Road			Fox Chase Road		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
EXISTING VOLUMES		13	14	56	69	13	5	42	170	31	2	132	15
Seasonal Adjustment Factor	1.000	0	0	0	0	0	0	0	0	0	0	0	0
Balancing Adjustment		0	0	0	0	0	0	1	1	4	0	0	0
Additional Adjustment		0	0	0	0	0	0	0	0	0	0	0	0
ADJUSTED EXISTING VOLUMES		**13**	**14**	**56**	**69**	**13**	**5**	**43**	**171**	**35**	**2**	**132**	**15**
Background Growth to 2029	2.33%	0	0	1	2	0	0	1	4	1	0	3	0
Total Other Development New Trip Assignments		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Total Other Development Pass-by Trip Assignments		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
2029 WITHOUT DEVELOPMENT VOLUMES		**13**	**14**	**57**	**71**	**13**	**5**	**44**	**175**	**36**	**2**	**135**	**15**
Senior Adult Housing—Single-Family	DIST IN			5%	5%							15%	
	DIST OUT							(5%)	(15%)	(5%)			
	ASSIGN	0	0	0	1	0	0	2	5	2	0	3	0
Total New Site Trip Assignment		*0*	*0*	*0*	*1*	*0*	*0*	*2*	*5*	*2*	*0*	*3*	*0*
Total Pass-by Site Trip Assignment		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
2029 WITH DEVELOPMENT VOLUMES		**13**	**14**	**57**	**72**	**13**	**5**	**46**	**180**	**38**	**2**	**138**	**15**

Fox Chase Road & Forrest Avenue
INTERSECTION VOLUME PROJECTION SUMMARY
Weekday 4 PM - 6 PM

		EASTBOUND			WESTBOUND			NORTHBOUND			SOUTHBOUND		
		Forrest Avenue			Forrest Avenue			Fox Chase Road			Fox Chase Road		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
EXISTING VOLUMES		4	24	92	46	20	3	36	132	39	5	169	7
Seasonal Adjustment Factor	1.000	0	0	0	0	0	0	0	0	0	0	0	0
Balancing Adjustment		0	0	0	0	0	0	0	0	0	0	2	0
Additional Adjustment		0	0	0	0	0	0	0	0	0	0	0	0
ADJUSTED EXISTING VOLUMES		**4**	**24**	**92**	**46**	**20**	**3**	**36**	**132**	**39**	**5**	**171**	**7**
Background Growth to 2029	2.33%	0	1	2	1	0	0	1	3	1	0	4	0
Total Other Development New Trip Assignments		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Total Other Development Pass-by Trip Assignments		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
2029 WITHOUT DEVELOPMENT VOLUMES		**4**	**25**	**94**	**47**	**20**	**3**	**37**	**135**	**40**	**5**	**175**	**7**
Senior Adult Housing—Single-Family	DIST IN			5%	5%							15%	
	DIST OUT							(5%)	(15%)	(5%)			
	ASSIGN	0	0	1	2	0	0	1	4	1	0	6	0
Total New Site Trip Assignment		*0*	*0*	*1*	*2*	*0*	*0*	*1*	*4*	*1*	*0*	*6*	*0*
Total Pass-by Site Trip Assignment		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
2029 WITH DEVELOPMENT VOLUMES		**4**	**25**	**95**	**49**	**20**	**3**	**38**	**139**	**41**	**5**	**181**	**7**

Fox Chase Road & Manor Access / Site Access
INTERSECTION VOLUME PROJECTION SUMMARY
Weekday 7 AM - 9 AM

		EASTBOUND			WESTBOUND			NORTHBOUND			SOUTHBOUND		
		Manor Access			Site Access			Fox Chase Road			Fox Chase Road		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
EXISTING VOLUMES		1	0	2	0	0	0	18	248	0	0	241	15
Seasonal Adjustment Factor	1.000	0	0	0	0	0	0	0	0	0	0	0	0
Balancing Adjustment		0	0	0	0	0	0	0	0	0	0	1	0
Additional Adjustment		0	0	0	0	0	0	0	0	0	0	0	0
ADJUSTED EXISTING VOLUMES		**1**	**0**	**2**	**0**	**0**	**0**	**18**	**248**	**0**	**0**	**242**	**15**
Background Growth to 2029	2.33%	0	0	0	0	0	0	0	6	0	0	6	0
Total Other Development New Trip Assignments		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Total Other Development Pass-by Trip Assignments		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
2029 WITHOUT DEVELOPMENT VOLUMES		**1**	**0**	**2**	**0**	**0**	**0**	**18**	**254**	**0**	**0**	**248**	**15**
Senior Adult Housing—Single-Family	DIST IN									75%	25%		
	DIST OUT				(75%)		(25%)						
	ASSIGN	0	0	0	27	0	9	0	0	13	4	0	0
Total New Site Trip Assignment		*0*	*0*	*0*	*27*	*0*	*9*	*0*	*0*	*13*	*4*	*0*	*0*
Total Pass-by Site Trip Assignment		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
2029 WITH DEVELOPMENT VOLUMES		**1**	**0**	**2**	**27**	**0**	**9**	**18**	**254**	**13**	**4**	**248**	**15**

Fox Chase Road & Manor Access / Site Access
INTERSECTION VOLUME PROJECTION SUMMARY
Weekday 4 PM - 6 PM

		EASTBOUND			WESTBOUND			NORTHBOUND			SOUTHBOUND		
		Manor Access			Site Access			Fox Chase Road			Fox Chase Road		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
EXISTING VOLUMES		13	0	24	0	0	0	6	189	0	0	309	0
Seasonal Adjustment Factor	1.000	0	0	0	0	0	0	0	0	0	0	0	0
Balancing Adjustment		0	0	0	0	0	0	0	5	0	0	0	0
Additional Adjustment		0	0	0	0	0	0	0	0	0	0	0	0
ADJUSTED EXISTING VOLUMES		**13**	**0**	**24**	**0**	**0**	**0**	**6**	**194**	**0**	**0**	**309**	**0**
Background Growth to 2029	2.33%	0	0	1	0	0	0	0	5	0	0	7	0
Total Other Development New Trip Assignments		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Total Other Development Pass-by Trip Assignments		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
2029 WITHOUT DEVELOPMENT VOLUMES		**13**	**0**	**25**	**0**	**0**	**0**	**6**	**199**	**0**	**0**	**316**	**0**
Senior Adult Housing—Single-Family	DIST IN									75%	25%		
	DIST OUT				(75%)		(25%)						
	ASSIGN	0	0	0	18	0	6	0	0	28	9	0	0
Total New Site Trip Assignment		*0*	*0*	*0*	*18*	*0*	*6*	*0*	*0*	*28*	*9*	*0*	*0*
Total Pass-by Site Trip Assignment		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
2029 WITH DEVELOPMENT VOLUMES		**13**	**0**	**25**	**18**	**0**	**6**	**6**	**199**	**28**	**9**	**316**	**0**

Fox Chase Road & Cedar Road
INTERSECTION VOLUME PROJECTION SUMMARY
Weekday 7 AM - 9 AM

		EASTBOUND Cedar Road			WESTBOUND Cedar Road			NORTHBOUND Fox Chase Road			SOUTHBOUND Fox Chase Road		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
EXISTING VOLUMES		68	201	80	3	240	64	84	123	7	41	121	92
Seasonal Adjustment Factor	1.000	0	0	0	0	0	0	0	0	0	0	0	0
Balancing Adjustment		0	0	0	0	0	0	0	0	0	0	0	0
Additional Adjustment		0	0	0	0	0	0	0	0	0	0	0	0
ADJUSTED EXISTING VOLUMES		**68**	**201**	**80**	**3**	**240**	**64**	**84**	**123**	**7**	**41**	**121**	**92**
Background Growth to 2029	2.33%	2	5	2	0	6	1	2	3	0	1	3	2
Total Other Development New Trip Assignments		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Total Other Development Pass-by Trip Assignments		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
2029 WITHOUT DEVELOPMENT VOLUMES		**70**	**206**	**82**	**3**	**246**	**65**	**86**	**126**	**7**	**42**	**124**	**94**
Senior Adult Housing—Single-Family	DIST IN	30%					25%		20%				
	DIST OUT										(25%)	(20%)	(30%)
	ASSIGN	5	0	0	0	0	4	0	4	0	9	7	11
Total New Site Trip Assignment		*5*	*0*	*0*	*0*	*0*	*4*	*0*	*4*	*0*	*9*	*7*	*11*
Total Pass-by Site Trip Assignment		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
2029 WITH DEVELOPMENT VOLUMES		**75**	**206**	**82**	**3**	**246**	**69**	**86**	**130**	**7**	**51**	**131**	**105**

Fox Chase Road & Cedar Road
INTERSECTION VOLUME PROJECTION SUMMARY
Weekday 4 PM - 6 PM

		EASTBOUND Cedar Road			WESTBOUND Cedar Road			NORTHBOUND Fox Chase Road			SOUTHBOUND Fox Chase Road		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
EXISTING VOLUMES		58	246	112	6	264	69	75	101	5	73	181	62
Seasonal Adjustment Factor	1.000	0	0	0	0	0	0	0	0	0	0	0	0
Balancing Adjustment		0	0	0	0	0	0	0	0	0	0	0	0
Additional Adjustment		0	0	0	0	0	0	0	0	0	0	0	0
ADJUSTED EXISTING VOLUMES		**58**	**246**	**112**	**6**	**264**	**69**	**75**	**101**	**5**	**73**	**181**	**62**
Background Growth to 2029	2.33%	1	6	3	0	6	2	2	2	0	2	4	1
Total Other Development New Trip Assignments		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Total Other Development Pass-by Trip Assignments		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
2029 WITHOUT DEVELOPMENT VOLUMES		**59**	**252**	**115**	**6**	**270**	**71**	**77**	**103**	**5**	**75**	**185**	**63**
Senior Adult Housing—Single-Family	DIST IN	30%					25%		20%				
	DIST OUT										(25%)	(20%)	(30%)
	ASSIGN	11	0	0	0	0	9	0	8	0	6	5	7
Total New Site Trip Assignment		*11*	*0*	*0*	*0*	*0*	*9*	*0*	*8*	*0*	*6*	*5*	*7*
Total Pass-by Site Trip Assignment		*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
2029 WITH DEVELOPMENT VOLUMES		**70**	**252**	**115**	**6**	**270**	**80**	**77**	**111**	**5**	**81**	**190**	**70**

Appendix F

LOS / Capacity Analysis Methodology

CAPACITY/LEVEL-OF-SERVICE ANALYSIS METHODOLOGY

The detailed capacity/level-of-service analysis contained in this transportation impact study was performed in accordance with the standard techniques contained in the *Highway Capacity Manual 6th Edition.* By definition, capacity represents "the maximum sustainable hourly flow rate at which persons or vehicles reasonably can be expected to traverse a point or a uniform section of a lane or roadway during a given time period under prevailing roadway, environmental, traffic, and control conditions." The level at which an intersection or a uniform section of a lane or roadway function can be expressed in terms of a level of service. Level of service (LOS) is defined as "a quantitative stratification of a performance measure or measures that represent quality of service, measured on an A-F scale, with LOS A representing the best operating conditions from the traveler's perspective and LOS F the worst."

Signalized Intersections

At three or four-legged signalized intersections, a methodology for evaluating the capacity and quality of service provided to road users traveling through the signalized intersection. For signalized intersections, the level of service can be characterized for the entire intersection, each approach, and each lane group. The level of service is based upon the control delay and volume-to-capacity ratio. The delay quantifies the increase in travel time due to the traffic signal control and is a surrogate measure of driver discomfort and fuel consumption, while the volume-to-capacity ratio quantifies the degree to which a phase's capacity is utilized by a lane group. Input data in determining the delay and volume-to-capacity ratio include:

- Demand flow rate for each entering vehicular movement and pedestrian crossing movement, including right-turn on red volumes and percent of heavy vehicles;
- Initial queue for each lane group;
- Number and configuration of lanes on each approach;
- Type of signal control and phase sequence;
- Allocation of minimum/maximum green times and clearance intervals (Yellow plus All Red phases); and
- Phase recall.

At signalized intersections, the level of service is based upon the control delay, as well as the corresponding volume-to-capacity ratio for each movement/lane group. The following table provides a summary of the relationship between the level of service, control delay, and volume-to-capacity ratio for signalized intersections.

Control Delay (Sec/Veh)	**LOS by Volume-to-Capacity Ratio**	
	v/c ≤ 1.0	**v/c > 1.0**
≤ 10	A	F
> 10 – 20	B	F
> 20 – 35	C	F
> 35 – 55	D	F
> 55 – 80	E	F
> 80	F	F

Appendix G

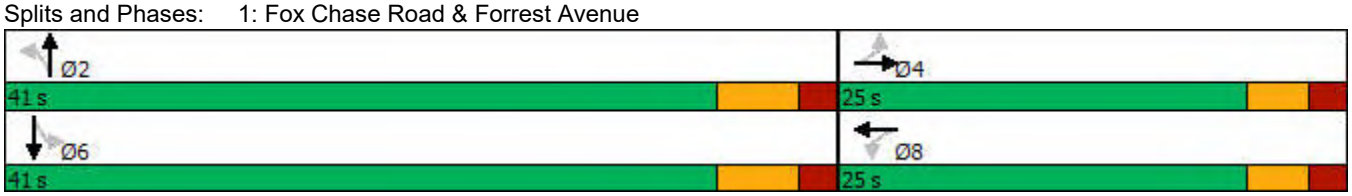
Existing
Capacity / LOS Analysis Worksheets

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	13	14	56	69	13	5	43	171	35	2	132	15
Future Volume (vph)	13	14	56	69	13	5	43	171	35	2	132	15
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	13	13	13	15	15	15	12	12	12	15	15	15
Grade (%)		2%			-1%			-2%			1%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00			1.00							
Frt		0.909			0.992			0.981			0.986	
Flt Protected		0.992			0.962			0.991			0.999	
Satd. Flow (prot)	0	1567	0	0	1776	0	0	1644	0	0	1757	0
Flt Permitted		0.940			0.796			0.935			0.998	
Satd. Flow (perm)	0	1485	0	0	1469	0	0	1551	0	0	1755	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		62			5			20			14	
Link Speed (mph)		25			25			35			35	
Link Distance (ft)		345			428			876			325	
Travel Time (s)		9.4			11.7			17.1			6.3	
Confl. Peds. (#/hr)	2					2						
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles (%)	0%	7%	7%	7%	0%	20%	10%	7%	7%	50%	8%	27%
Adj. Flow (vph)	14	16	62	77	14	6	48	190	39	2	147	17
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	92	0	0	97	0	0	277	0	0	166	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.04	1.04	1.04	0.94	0.94	0.94	1.06	1.06	1.06	0.95	0.95	0.95
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	1		1	1		1	0		1	0	
Detector Template	Left			Left			Left			Left		
Leading Detector (ft)	20	35		20	35		20	0		20	0	
Trailing Detector (ft)	0	-5		0	-5		0	0		0	0	
Detector 1 Position(ft)	0	-5		0	-5		0	0		0	0	
Detector 1 Size(ft)	20	40		20	40		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	7.0	7.0		7.0	7.0		15.0	15.0		15.0	15.0	
Minimum Split (s)	12.0	12.0		12.0	12.0		21.0	21.0		21.0	21.0	
Total Split (s)	25.0	25.0		25.0	25.0		41.0	41.0		41.0	41.0	
Total Split (%)	37.9%	37.9%		37.9%	37.9%		62.1%	62.1%		62.1%	62.1%	
Maximum Green (s)	20.0	20.0		20.0	20.0		35.0	35.0		35.0	35.0	
Yellow Time (s)	3.0	3.0		3.0	3.0		4.0	4.0		4.0	4.0	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)		-1.0			-1.0			-1.0			-1.0	
Total Lost Time (s)		4.0			4.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	

Intersection Summary	
Area Type:	Other
Cycle Length: 66	
Actuated Cycle Length: 56	
Natural Cycle: 40	
Control Type: Semi Act-Uncoord	

Splits and Phases: 1: Fox Chase Road & Forrest Avenue



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	13	14	56	69	13	5	43	171	35	2	132	15
Future Volume (veh/h)	13	14	56	69	13	5	43	171	35	2	132	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.99	0.99		0.99	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1849	1747	1747	1807	1911	1615	1732	1775	1775	1136	1749	1472
Adj Flow Rate, veh/h	14	16	62	77	14	6	48	190	39	2	147	17
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	0	7	7	7	0	20	10	7	7	50	8	27
Cap, veh/h	98	52	146	289	50	14	219	818	157	71	1053	120
Arrive On Green	0.12	0.14	0.12	0.12	0.14	0.12	0.67	0.68	0.67	0.67	0.68	0.67
Sat Flow, veh/h	130	362	1017	1156	350	99	203	1194	229	3	1537	176
Grp Volume(v), veh/h	92	0	0	97	0	0	277	0	0	166	0	0
Grp Sat Flow(s),veh/h/ln	1509	0	0	1605	0	0	1626	0	0	1716	0	0
Q Serve(g_s), s	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.9	0.0	0.0	2.6	0.0	0.0	3.2	0.0	0.0	1.8	0.0	0.0
Prop In Lane	0.15		0.67	0.79		0.06	0.17		0.14	0.01		0.10
Lane Grp Cap(c), veh/h	267	0	0	323	0	0	1163	0	0	1212	0	0
V/C Ratio(X)	0.34	0.00	0.00	0.30	0.00	0.00	0.24	0.00	0.00	0.14	0.00	0.00
Avail Cap(c_a), veh/h	645	0	0	686	0	0	1163	0	0	1212	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	20.9	0.0	0.0	20.7	0.0	0.0	3.2	0.0	0.0	2.9	0.0	0.0
Incr Delay (d2), s/veh	0.8	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.9	0.0	0.0	2.0	0.0	0.0	1.3	0.0	0.0	0.7	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.6	0.0	0.0	21.3	0.0	0.0	3.7	0.0	0.0	3.1	0.0	0.0
LnGrp LOS	C	A	A	C	A	A	A	A	A	A	A	A
Approach Vol, veh/h		92			97			277			166	
Approach Delay, s/veh		21.6			21.3			3.7			3.1	
Approach LOS		C			C			A			A	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	41.0	11.6	41.0	11.6
Change Period (Y+Rc), s	6.0	5.0	6.0	5.0
Max Green Setting (Gmax), s	35.0	20.0	35.0	20.0
Max Q Clear Time (g_c+I1), s	0.0	4.9	0.0	4.6
Green Ext Time (p_c), s	0.0	0.2	0.0	0.2

Intersection Summary	
HCM 6th Ctrl Delay	8.8
HCM 6th LOS	A

Notes

User approved pedestrian interval to be less than phase max green.

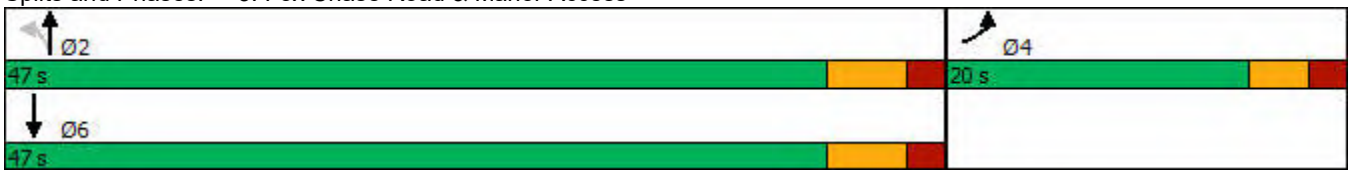


Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	1	2	18	248	242	15
Future Volume (vph)	1	2	18	248	242	15
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800
Lane Width (ft)	15	15	14	14	13	13
Grade (%)	3%			2%	0%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00			1.00	1.00	
Frt	0.910				0.992	
Flt Protected	0.984			0.997		
Satd. Flow (prot)	1746	0	0	1779	1714	0
Flt Permitted	0.984			0.976		
Satd. Flow (perm)	1744	0	0	1741	1714	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	2				9	
Link Speed (mph)	30			35	35	
Link Distance (ft)	250			379	876	
Travel Time (s)	5.7			7.4	17.1	
Confl. Peds. (#/hr)	2		1			1
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles (%)	0%	0%	0%	7%	8%	0%
Adj. Flow (vph)	1	2	19	267	260	16
Shared Lane Traffic (%)						
Lane Group Flow (vph)	3	0	0	286	276	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	15			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	0.97	0.97	1.00	1.00	1.03	1.03
Turning Speed (mph)	15	9	15			9
Number of Detectors	3		1	2	2	
Detector Template			Left			
Leading Detector (ft)	40		20	256	255	
Trailing Detector (ft)	-3		0	0	0	
Detector 1 Position(ft)	-3		0	0	0	
Detector 1 Size(ft)	6		20	6	5	
Detector 1 Type	Cl+Ex		Cl+Ex	Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0		0.0	0.0	0.0	
Detector 1 Queue (s)	0.0		0.0	0.0	0.0	
Detector 1 Delay (s)	0.0		0.0	0.0	5.0	
Detector 2 Position(ft)	13			250	250	
Detector 2 Size(ft)	6			6	5	
Detector 2 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0	0.0	
Detector 3 Position(ft)	34					
Detector 3 Size(ft)	6					
Detector 3 Type	Cl+Ex					
Detector 3 Channel						
Detector 3 Extend (s)	0.0					
Turn Type	Prot		Perm	NA	NA	

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Protected Phases	4			2	6	
Permitted Phases			2			
Detector Phase	4		2	2	6	
Switch Phase						
Minimum Initial (s)	3.0		15.0	15.0	15.0	
Minimum Split (s)	8.0		21.0	21.0	21.0	
Total Split (s)	20.0		47.0	47.0	47.0	
Total Split (%)	29.9%		70.1%	70.1%	70.1%	
Maximum Green (s)	15.0		41.0	41.0	41.0	
Yellow Time (s)	3.0		4.0	4.0	4.0	
All-Red Time (s)	2.0		2.0	2.0	2.0	
Lost Time Adjust (s)	-1.0			-1.0	-1.0	
Total Lost Time (s)	4.0			5.0	5.0	
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0		4.0	4.0	4.0	
Minimum Gap (s)	3.0		2.0	2.0	2.0	
Time Before Reduce (s)	0.0		26.0	26.0	26.0	
Time To Reduce (s)	0.0		10.0	10.0	10.0	
Recall Mode	None		Max	Max	Max	

Intersection Summary	
Area Type:	Other
Cycle Length: 67	
Actuated Cycle Length: 64.2	
Natural Cycle: 40	
Control Type: Actuated-Uncoordinated	

Splits and Phases: 3: Fox Chase Road & Manor Access





Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	1	2	18	248	242	15
Future Volume (veh/h)	1	2	18	248	242	15
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	0.98	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1820	1820	1849	1747	1755	1872
Adj Flow Rate, veh/h	1	2	19	267	260	16
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	0	0	0	7	8	0
Cap, veh/h	9	18	117	1333	1317	81
Arrive On Green	0.02	0.00	0.79	0.81	0.81	0.79
Sat Flow, veh/h	409	818	53	1656	1636	101
Grp Volume(v), veh/h	4	0	286	0	0	276
Grp Sat Flow(s),veh/h/ln	1635	0	1709	0	0	1737
Q Serve(g_s), s	0.1	0.0	0.0	0.0	0.0	1.9
Cycle Q Clear(g_c), s	0.1	0.0	2.0	0.0	0.0	1.9
Prop In Lane	0.25	0.50	0.07			0.06
Lane Grp Cap(c), veh/h	37	0	1417	0	0	1398
V/C Ratio(X)	0.11	0.00	0.20	0.00	0.00	0.20
Avail Cap(c_a), veh/h	501	0	1417	0	0	1398
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	1.00
Uniform Delay (d), s/veh	25.2	0.0	1.2	0.0	0.0	1.2
Incr Delay (d2), s/veh	1.3	0.0	0.3	0.0	0.0	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.1	0.0	0.2	0.0	0.0	0.2
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	26.5	0.0	1.5	0.0	0.0	1.5
LnGrp LOS	C	A	A	A	A	A
Approach Vol, veh/h	4			286	276	
Approach Delay, s/veh	26.5			1.5	1.5	
Approach LOS	C			A	A	

Timer - Assigned Phs	2		4		6
Phs Duration (G+Y+Rc), s	47.0		5.2		47.0
Change Period (Y+Rc), s	6.0		5.0		6.0
Max Green Setting (Gmax), s	41.0		15.0		41.0
Max Q Clear Time (g_c+I1), s	4.0		2.6		3.9
Green Ext Time (p_c), s	5.6		0.0		5.3

Intersection Summary	
HCM 6th Ctrl Delay	1.7
HCM 6th LOS	A

Notes

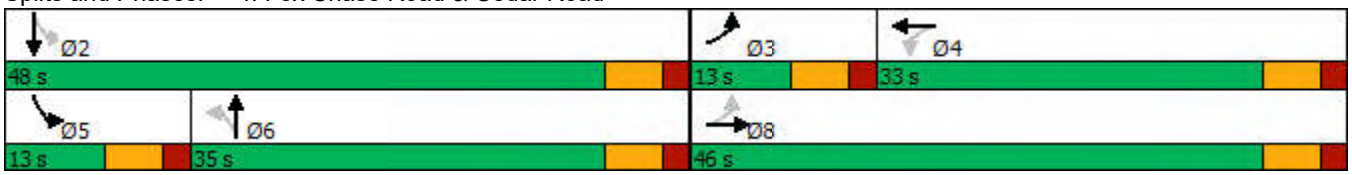
User approved volume balancing among the lanes for turning movement.

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	68	201	80	3	240	64	84	123	7	41	121	92
Future Volume (vph)	68	201	80	3	240	64	84	123	7	41	121	92
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	11	11	11	14	14	14	12	12	12	12	12	12
Grade (%)		0%			-1%			1%			1%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.969			0.972			0.996			0.951	
Flt Protected		0.990						0.981			0.992	
Satd. Flow (prot)	0	1565	0	0	1790	0	0	1670	0	0	1560	0
Flt Permitted		0.760			0.996			0.760			0.942	
Satd. Flow (perm)	0	1202	0	0	1783	0	0	1294	0	0	1481	0
Right Turn on Red			Yes			Yes			No			Yes
Satd. Flow (RTOR)		20			14						40	
Link Speed (mph)		35			35			35			35	
Link Distance (ft)		299			432			438			399	
Travel Time (s)		5.8			8.4			8.5			7.8	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles (%)	18%	5%	1%	67%	4%	5%	7%	2%	29%	15%	4%	11%
Adj. Flow (vph)	72	212	84	3	253	67	88	129	7	43	127	97
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	368	0	0	323	0	0	224	0	0	267	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.12	1.12	1.12	0.98	0.98	0.98	1.08	1.08	1.08	1.08	1.08	1.08
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	1		1	1		1	1		1	1	
Detector Template	Left			Left			Left			Left		
Leading Detector (ft)	20	35		20	35		20	35		20	35	
Trailing Detector (ft)	0	-5		0	-5		0	-5		0	-5	
Detector 1 Position(ft)	0	-5		0	-5		0	-5		0	-5	
Detector 1 Size(ft)	20	40		20	40		20	40		20	40	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	pm+pt	NA		Perm	NA		Perm	NA		pm+pt	NA	
Protected Phases	3	8			4			6		5	2	
Permitted Phases	8			4			6			2		
Detector Phase	3	8		4	4		6	6		5	2	
Switch Phase												
Minimum Initial (s)	3.0	10.0		10.0	10.0		12.0	12.0		3.0	12.0	
Minimum Split (s)	9.0	16.0		16.0	16.0		18.0	18.0		9.0	18.0	
Total Split (s)	13.0	46.0		33.0	33.0		35.0	35.0		13.0	48.0	
Total Split (%)	13.8%	48.9%		35.1%	35.1%		37.2%	37.2%		13.8%	51.1%	
Maximum Green (s)	7.0	40.0		27.0	27.0		29.0	29.0		7.0	42.0	
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)		-1.0			-1.0			-1.0			-1.0	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Total Lost Time (s)		5.0			5.0			5.0			5.0	
Lead/Lag	Lead			Lag	Lag		Lag	Lag		Lead		
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	Max	None		None	None		None	None		Max	None	
Act Effct Green (s)		32.6			19.3			19.7			33.0	
Actuated g/C Ratio		0.43			0.25			0.26			0.44	
v/c Ratio		0.65			0.70			0.67			0.40	
Control Delay		22.7			33.8			36.3			14.8	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		22.7			33.8			36.3			14.8	
LOS		C			C			D			B	
Approach Delay		22.7			33.8			36.3			14.8	
Approach LOS		C			C			D			B	
Queue Length 50th (ft)		113			128			93			67	
Queue Length 95th (ft)		234			246			184			144	
Internal Link Dist (ft)		219			352			358			319	
Turn Bay Length (ft)												
Base Capacity (vph)		713			682			523			884	
Starvation Cap Reductn		0			0			0			0	
Spillback Cap Reductn		0			0			0			0	
Storage Cap Reductn		0			0			0			0	
Reduced v/c Ratio		0.52			0.47			0.43			0.30	

Intersection Summary			
Area Type:	Other		
Cycle Length: 94			
Actuated Cycle Length: 75.8			
Natural Cycle: 60			
Control Type: Semi Act-Uncoord			
Maximum v/c Ratio: 0.70			
Intersection Signal Delay: 26.5		Intersection LOS: C	
Intersection Capacity Utilization 75.5%		ICU Level of Service D	
Analysis Period (min) 15			

Splits and Phases: 4: Fox Chase Road & Cedar Road



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	4	24	92	46	20	3	36	132	39	5	171	7
Future Volume (vph)	4	24	92	46	20	3	36	132	39	5	171	7
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	13	13	13	15	15	15	12	12	12	15	15	15
Grade (%)		2%			-1%			-2%			1%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00			1.00			1.00			1.00	
Frt		0.897			0.994			0.975			0.995	
Flt Protected		0.998			0.968			0.991			0.999	
Satd. Flow (prot)	0	1588	0	0	1913	0	0	1697	0	0	1921	0
Flt Permitted		0.988			0.742			0.937			0.994	
Satd. Flow (perm)	0	1571	0	0	1466	0	0	1604	0	0	1911	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		95			3			24			4	
Link Speed (mph)		25			25			35			35	
Link Distance (ft)		345			428			876			325	
Travel Time (s)		9.4			11.7			17.1			6.3	
Confl. Peds. (#/hr)	4					4	2					2
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	0%	0%	5%	0%	0%	0%	8%	1%	8%	0%	2%	0%
Adj. Flow (vph)	4	25	95	47	21	3	37	136	40	5	176	7
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	124	0	0	71	0	0	213	0	0	188	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.04	1.04	1.04	0.94	0.94	0.94	1.06	1.06	1.06	0.95	0.95	0.95
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	1		1	1		1	0		1	0	
Detector Template	Left			Left			Left			Left		
Leading Detector (ft)	20	35		20	35		20	0		20	0	
Trailing Detector (ft)	0	-5		0	-5		0	0		0	0	
Detector 1 Position(ft)	0	-5		0	-5		0	0		0	0	
Detector 1 Size(ft)	20	40		20	40		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	7.0	7.0		7.0	7.0		15.0	15.0		15.0	15.0	
Minimum Split (s)	12.0	12.0		12.0	12.0		21.0	21.0		21.0	21.0	
Total Split (s)	29.0	29.0		29.0	29.0		41.0	41.0		41.0	41.0	
Total Split (%)	41.4%	41.4%		41.4%	41.4%		58.6%	58.6%		58.6%	58.6%	
Maximum Green (s)	24.0	24.0		24.0	24.0		35.0	35.0		35.0	35.0	
Yellow Time (s)	3.0	3.0		3.0	3.0		4.0	4.0		4.0	4.0	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)		-1.0			-1.0			-1.0			-1.0	
Total Lost Time (s)		4.0			4.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	

Intersection Summary	
Area Type:	Other
Cycle Length: 70	
Actuated Cycle Length: 54.8	
Natural Cycle: 40	
Control Type: Semi Act-Uncoord	

Splits and Phases: 1: Fox Chase Road & Forrest Avenue



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	4	24	92	46	20	3	36	132	39	5	171	7
Future Volume (veh/h)	4	24	92	46	20	3	36	132	39	5	171	7
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.98	0.99		0.98	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1849	1849	1776	1911	1911	1911	1761	1860	1761	1866	1837	1866
Adj Flow Rate, veh/h	4	25	95	47	21	3	37	136	40	5	176	7
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	5	0	0	0	8	1	8	0	2	0
Cap, veh/h	74	51	177	247	99	10	225	792	217	77	1192	46
Arrive On Green	0.13	0.14	0.13	0.13	0.14	0.13	0.67	0.68	0.67	0.67	0.68	0.67
Sat Flow, veh/h	22	351	1224	923	686	71	211	1158	316	10	1741	68
Grp Volume(v), veh/h	124	0	0	71	0	0	213	0	0	188	0	0
Grp Sat Flow(s),veh/h/ln	1598	0	0	1679	0	0	1685	0	0	1819	0	0
Q Serve(g_s), s	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	3.8	0.0	0.0	1.8	0.0	0.0	2.3	0.0	0.0	1.9	0.0	0.0
Prop In Lane	0.03		0.77	0.66		0.04	0.17		0.19	0.03		0.04
Lane Grp Cap(c), veh/h	271	0	0	324	0	0	1202	0	0	1281	0	0
V/C Ratio(X)	0.46	0.00	0.00	0.22	0.00	0.00	0.18	0.00	0.00	0.15	0.00	0.00
Avail Cap(c_a), veh/h	797	0	0	800	0	0	1202	0	0	1281	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	21.3	0.0	0.0	20.3	0.0	0.0	3.0	0.0	0.0	2.9	0.0	0.0
Incr Delay (d2), s/veh	1.2	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	2.6	0.0	0.0	1.4	0.0	0.0	1.0	0.0	0.0	0.8	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.5	0.0	0.0	20.7	0.0	0.0	3.4	0.0	0.0	3.2	0.0	0.0
LnGrp LOS	C	A	A	C	A	A	A	A	A	A	A	A
Approach Vol, veh/h		124			71			213			188	
Approach Delay, s/veh		22.5			20.7			3.4			3.2	
Approach LOS		C			C			A			A	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	41.0	11.6	41.0	11.6
Change Period (Y+Rc), s	6.0	5.0	6.0	5.0
Max Green Setting (Gmax), s	35.0	24.0	35.0	24.0
Max Q Clear Time (g_c+I1), s	0.0	5.8	0.0	3.8
Green Ext Time (p_c), s	0.0	0.4	0.0	0.2

Intersection Summary	
HCM 6th Ctrl Delay	9.3
HCM 6th LOS	A

Notes

User approved pedestrian interval to be less than phase max green.

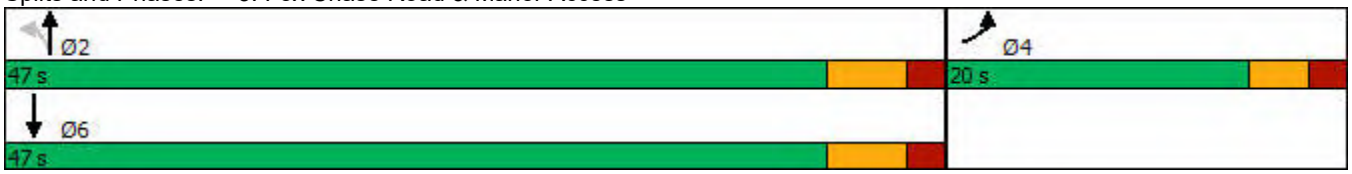


Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	13	24	6	194	309	0
Future Volume (vph)	13	24	6	194	309	0
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800
Lane Width (ft)	15	15	14	14	13	13
Grade (%)	3%			2%	0%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor				1.00		
Frt	0.911					
Flt Protected	0.983			0.999		
Satd. Flow (prot)	1747	0	0	1828	1806	0
Flt Permitted	0.983			0.992		
Satd. Flow (perm)	1747	0	0	1815	1806	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	25					
Link Speed (mph)	30			35	35	
Link Distance (ft)	250			379	876	
Travel Time (s)	5.7			7.4	17.1	
Confl. Peds. (#/hr)			1			1
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	0%	0%	0%	4%	3%	0%
Adj. Flow (vph)	13	25	6	200	319	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	38	0	0	206	319	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	15			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	0.97	0.97	1.00	1.00	1.03	1.03
Turning Speed (mph)	15	9	15			9
Number of Detectors	3		1	2	2	
Detector Template			Left			
Leading Detector (ft)	40		20	256	255	
Trailing Detector (ft)	-3		0	0	0	
Detector 1 Position(ft)	-3		0	0	0	
Detector 1 Size(ft)	6		20	6	5	
Detector 1 Type	Cl+Ex		Cl+Ex	Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0		0.0	0.0	0.0	
Detector 1 Queue (s)	0.0		0.0	0.0	0.0	
Detector 1 Delay (s)	0.0		0.0	0.0	5.0	
Detector 2 Position(ft)	13			250	250	
Detector 2 Size(ft)	6			6	5	
Detector 2 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0	0.0	
Detector 3 Position(ft)	34					
Detector 3 Size(ft)	6					
Detector 3 Type	Cl+Ex					
Detector 3 Channel						
Detector 3 Extend (s)	0.0					
Turn Type	Prot		Perm	NA	NA	

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Protected Phases	4			2	6	
Permitted Phases			2			
Detector Phase	4		2	2	6	
Switch Phase						
Minimum Initial (s)	3.0		15.0	15.0	15.0	
Minimum Split (s)	8.0		21.0	21.0	21.0	
Total Split (s)	20.0		47.0	47.0	47.0	
Total Split (%)	29.9%		70.1%	70.1%	70.1%	
Maximum Green (s)	15.0		41.0	41.0	41.0	
Yellow Time (s)	3.0		4.0	4.0	4.0	
All-Red Time (s)	2.0		2.0	2.0	2.0	
Lost Time Adjust (s)	-1.0			-1.0	-1.0	
Total Lost Time (s)	4.0			5.0	5.0	
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0		4.0	4.0	4.0	
Minimum Gap (s)	3.0		2.0	2.0	2.0	
Time Before Reduce (s)	0.0		26.0	26.0	26.0	
Time To Reduce (s)	0.0		10.0	10.0	10.0	
Recall Mode	None		Max	Max	Max	

Intersection Summary	
Area Type:	Other
Cycle Length: 67	
Actuated Cycle Length: 60.9	
Natural Cycle: 40	
Control Type: Actuated-Uncoordinated	

Splits and Phases: 3: Fox Chase Road & Manor Access





Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	13	24	6	194	309	0
Future Volume (veh/h)	13	24	6	194	309	0
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1820	1820	1849	1790	1828	1872
Adj Flow Rate, veh/h	13	25	6	200	319	0
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	0	4	3	0
Cap, veh/h	27	52	79	1382	1430	0
Arrive On Green	0.05	0.03	0.76	0.78	0.78	0.00
Sat Flow, veh/h	536	1030	13	1767	1828	0
Grp Volume(v), veh/h	39	0	206	0	319	0
Grp Sat Flow(s),veh/h/ln	1607	0	1780	0	1828	0
Q Serve(g_s), s	1.3	0.0	0.0	0.0	2.5	0.0
Cycle Q Clear(g_c), s	1.3	0.0	1.5	0.0	2.5	0.0
Prop In Lane	0.33	0.64	0.03			0.00
Lane Grp Cap(c), veh/h	80	0	1429	0	1430	0
V/C Ratio(X)	0.48	0.00	0.14	0.00	0.22	0.00
Avail Cap(c_a), veh/h	479	0	1429	0	1430	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	0.00
Uniform Delay (d), s/veh	25.1	0.0	1.4	0.0	1.5	0.0
Incr Delay (d2), s/veh	4.5	0.0	0.2	0.0	0.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.0	0.0	0.3	0.0	0.4	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	29.6	0.0	1.7	0.0	1.9	0.0
LnGrp LOS	C	A	A	A	A	A
Approach Vol, veh/h	39			206	319	
Approach Delay, s/veh	29.6			1.7	1.9	
Approach LOS	C			A	A	

Timer - Assigned Phs	2		4		6
Phs Duration (G+Y+Rc), s	47.0		6.7		47.0
Change Period (Y+Rc), s	6.0		5.0		6.0
Max Green Setting (Gmax), s	41.0		15.0		41.0
Max Q Clear Time (g_c+I1), s	3.5		3.8		5.0
Green Ext Time (p_c), s	3.8		0.0		6.2

Intersection Summary	
HCM 6th Ctrl Delay	3.7
HCM 6th LOS	A

Notes

User approved volume balancing among the lanes for turning movement.

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	58	246	112	6	264	69	75	101	5	73	181	62
Future Volume (vph)	58	246	112	6	264	69	75	101	5	73	181	62
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	11	11	11	14	14	14	12	12	12	12	12	12
Grade (%)		0%			-1%			1%			1%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00			1.00			1.00			1.00	
Frt		0.964			0.973			0.996			0.973	
Flt Protected		0.993			0.999			0.980			0.989	
Satd. Flow (prot)	0	1645	0	0	1831	0	0	1713	0	0	1687	0
Flt Permitted		0.842			0.990			0.727			0.886	
Satd. Flow (perm)	0	1394	0	0	1814	0	0	1268	0	0	1512	0
Right Turn on Red			Yes			Yes			No			Yes
Satd. Flow (RTOR)		25			14						17	
Link Speed (mph)		35			35			35			35	
Link Distance (ft)		299			432			438			399	
Travel Time (s)		5.8			8.4			8.5			7.8	
Confl. Peds. (#/hr)	1					1	4					4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	3%	1%	1%	0%	1%	6%	1%	2%	20%	3%	1%	2%
Adj. Flow (vph)	60	254	115	6	272	71	77	104	5	75	187	64
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	429	0	0	349	0	0	186	0	0	326	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.12	1.12	1.12	0.98	0.98	0.98	1.08	1.08	1.08	1.08	1.08	1.08
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	1		1	1		1	1		1	1	
Detector Template	Left			Left			Left			Left		
Leading Detector (ft)	20	35		20	35		20	35		20	35	
Trailing Detector (ft)	0	-5		0	-5		0	-5		0	-5	
Detector 1 Position(ft)	0	-5		0	-5		0	-5		0	-5	
Detector 1 Size(ft)	20	40		20	40		20	40		20	40	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	pm+pt	NA		Perm	NA		Perm	NA		pm+pt	NA	
Protected Phases	3	8			4			6		5	2	
Permitted Phases	8			4			6			2		
Detector Phase	3	8		4	4		6	6		5	2	
Switch Phase												
Minimum Initial (s)	3.0	10.0		10.0	10.0		12.0	12.0		3.0	12.0	
Minimum Split (s)	9.0	16.0		16.0	16.0		18.0	18.0		9.0	18.0	
Total Split (s)	13.0	46.0		33.0	33.0		35.0	35.0		13.0	48.0	
Total Split (%)	13.8%	48.9%		35.1%	35.1%		37.2%	37.2%		13.8%	51.1%	
Maximum Green (s)	7.0	40.0		27.0	27.0		29.0	29.0		7.0	42.0	
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)		-1.0			-1.0			-1.0			-1.0	
Total Lost Time (s)		5.0			5.0			5.0			5.0	
Lead/Lag	Lead			Lag	Lag		Lag	Lag		Lead		
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	Max	None		None	None		None	None		Max	None	
Act Effct Green (s)		32.9			19.7			17.8			31.0	
Actuated g/C Ratio		0.44			0.27			0.24			0.42	
v/c Ratio		0.65			0.71			0.61			0.49	
Control Delay		20.7			32.8			35.4			18.4	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		20.7			32.8			35.4			18.4	
LOS		C			C			D			B	
Approach Delay		20.7			32.8			35.4			18.4	
Approach LOS		C			C			D			B	
Queue Length 50th (ft)		127			134			75			97	
Queue Length 95th (ft)		256			253			155			191	
Internal Link Dist (ft)		219			352			358			319	
Turn Bay Length (ft)												
Base Capacity (vph)		823			706			522			920	
Starvation Cap Reductn		0			0			0			0	
Spillback Cap Reductn		0			0			0			0	
Storage Cap Reductn		0			0			0			0	
Reduced v/c Ratio		0.52			0.49			0.36			0.35	

Intersection Summary			
Area Type:	Other		
Cycle Length: 94			
Actuated Cycle Length: 74.1			
Natural Cycle: 60			
Control Type: Semi Act-Uncoord			
Maximum v/c Ratio: 0.71			
Intersection Signal Delay: 25.5		Intersection LOS: C	
Intersection Capacity Utilization 76.6%		ICU Level of Service D	
Analysis Period (min) 15			

Splits and Phases: 4: Fox Chase Road & Cedar Road



Appendix H

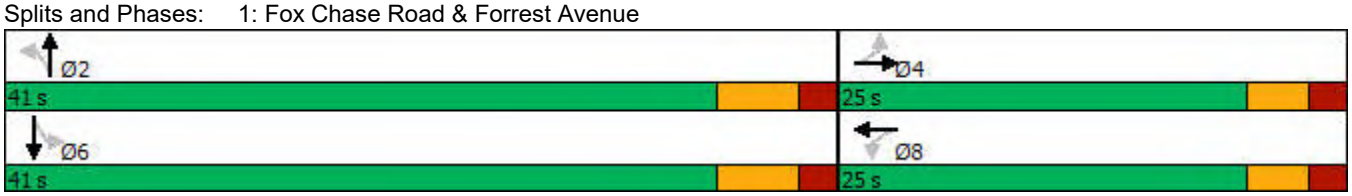
2029 Future without Development Capacity / LOS Analysis Worksheets

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	13	14	57	71	13	5	44	175	36	2	135	15
Future Volume (vph)	13	14	57	71	13	5	44	175	36	2	135	15
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	13	13	13	15	15	15	12	12	12	15	15	15
Grade (%)		2%			-1%			-2%			1%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00			1.00							
Frt		0.909			0.992			0.981			0.986	
Flt Protected		0.993			0.962			0.991			0.999	
Satd. Flow (prot)	0	1569	0	0	1776	0	0	1644	0	0	1758	0
Flt Permitted		0.941			0.792			0.934			0.998	
Satd. Flow (perm)	0	1486	0	0	1462	0	0	1549	0	0	1756	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		63			5			20			13	
Link Speed (mph)		25			25			35			35	
Link Distance (ft)		345			428			876			325	
Travel Time (s)		9.4			11.7			17.1			6.3	
Confl. Peds. (#/hr)	2					2						
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles (%)	0%	7%	7%	7%	0%	20%	10%	7%	7%	50%	8%	27%
Adj. Flow (vph)	14	16	63	79	14	6	49	194	40	2	150	17
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	93	0	0	99	0	0	283	0	0	169	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.04	1.04	1.04	0.94	0.94	0.94	1.06	1.06	1.06	0.95	0.95	0.95
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	1		1	1		1	0		1	0	
Detector Template	Left			Left			Left			Left		
Leading Detector (ft)	20	35		20	35		20	0		20	0	
Trailing Detector (ft)	0	-5		0	-5		0	0		0	0	
Detector 1 Position(ft)	0	-5		0	-5		0	0		0	0	
Detector 1 Size(ft)	20	40		20	40		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	7.0	7.0		7.0	7.0		15.0	15.0		15.0	15.0	
Minimum Split (s)	12.0	12.0		12.0	12.0		21.0	21.0		21.0	21.0	
Total Split (s)	25.0	25.0		25.0	25.0		41.0	41.0		41.0	41.0	
Total Split (%)	37.9%	37.9%		37.9%	37.9%		62.1%	62.1%		62.1%	62.1%	
Maximum Green (s)	20.0	20.0		20.0	20.0		35.0	35.0		35.0	35.0	
Yellow Time (s)	3.0	3.0		3.0	3.0		4.0	4.0		4.0	4.0	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)		-1.0			-1.0			-1.0			-1.0	
Total Lost Time (s)		4.0			4.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	

Intersection Summary	
Area Type:	Other
Cycle Length: 66	
Actuated Cycle Length: 56.2	
Natural Cycle: 40	
Control Type: Semi Act-Uncoord	

Splits and Phases: 1: Fox Chase Road & Forrest Avenue



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	13	14	57	71	13	5	44	175	36	2	135	15
Future Volume (veh/h)	13	14	57	71	13	5	44	175	36	2	135	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.99	0.99		0.99	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1849	1747	1747	1807	1911	1615	1732	1775	1775	1136	1749	1472
Adj Flow Rate, veh/h	14	16	63	79	14	6	49	194	40	2	150	17
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	0	7	7	7	0	20	10	7	7	50	8	27
Cap, veh/h	97	52	147	291	49	14	219	817	157	71	1055	118
Arrive On Green	0.13	0.14	0.13	0.13	0.14	0.13	0.67	0.68	0.67	0.67	0.68	0.67
Sat Flow, veh/h	128	358	1022	1165	342	97	203	1193	230	3	1541	173
Grp Volume(v), veh/h	93	0	0	99	0	0	283	0	0	169	0	0
Grp Sat Flow(s),veh/h/ln	1508	0	0	1605	0	0	1625	0	0	1716	0	0
Q Serve(g_s), s	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.9	0.0	0.0	2.6	0.0	0.0	3.3	0.0	0.0	1.8	0.0	0.0
Prop In Lane	0.15		0.68	0.80		0.06	0.17		0.14	0.01		0.10
Lane Grp Cap(c), veh/h	267	0	0	324	0	0	1162	0	0	1212	0	0
V/C Ratio(X)	0.35	0.00	0.00	0.31	0.00	0.00	0.24	0.00	0.00	0.14	0.00	0.00
Avail Cap(c_a), veh/h	645	0	0	685	0	0	1162	0	0	1212	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	20.9	0.0	0.0	20.8	0.0	0.0	3.2	0.0	0.0	2.9	0.0	0.0
Incr Delay (d2), s/veh	0.8	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.9	0.0	0.0	2.0	0.0	0.0	1.4	0.0	0.0	0.7	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.7	0.0	0.0	21.3	0.0	0.0	3.7	0.0	0.0	3.2	0.0	0.0
LnGrp LOS	C	A	A	C	A	A	A	A	A	A	A	A
Approach Vol, veh/h		93			99			283			169	
Approach Delay, s/veh		21.7			21.3			3.7			3.2	
Approach LOS		C			C			A			A	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	41.0	11.6	41.0	11.6
Change Period (Y+Rc), s	6.0	5.0	6.0	5.0
Max Green Setting (Gmax), s	35.0	20.0	35.0	20.0
Max Q Clear Time (g_c+I1), s	0.0	4.9	0.0	4.6
Green Ext Time (p_c), s	0.0	0.2	0.0	0.2

Intersection Summary	
HCM 6th Ctrl Delay	8.9
HCM 6th LOS	A

Notes

User approved pedestrian interval to be less than phase max green.

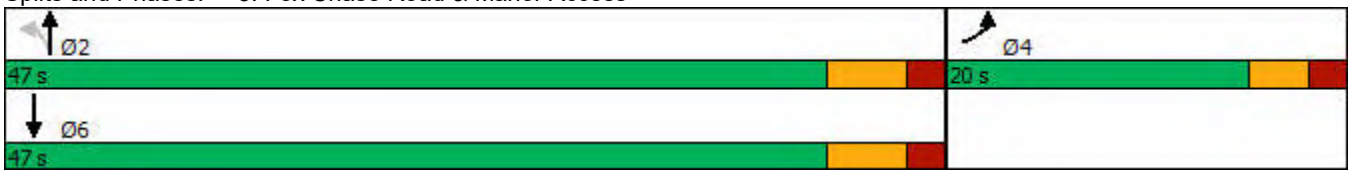


Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	1	2	18	254	248	15
Future Volume (vph)	1	2	18	254	248	15
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800
Lane Width (ft)	15	15	14	14	13	13
Grade (%)	3%			2%	0%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00			1.00	1.00	
Frt	0.910				0.992	
Flt Protected	0.984			0.997		
Satd. Flow (prot)	1746	0	0	1779	1714	0
Flt Permitted	0.984			0.976		
Satd. Flow (perm)	1744	0	0	1741	1714	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	2				9	
Link Speed (mph)	30			35	35	
Link Distance (ft)	250			379	876	
Travel Time (s)	5.7			7.4	17.1	
Confl. Peds. (#/hr)	2		1			1
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles (%)	0%	0%	0%	7%	8%	0%
Adj. Flow (vph)	1	2	19	273	267	16
Shared Lane Traffic (%)						
Lane Group Flow (vph)	3	0	0	292	283	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	15			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	0.97	0.97	1.00	1.00	1.03	1.03
Turning Speed (mph)	15	9	15			9
Number of Detectors	3		1	2	2	
Detector Template			Left			
Leading Detector (ft)	40		20	256	255	
Trailing Detector (ft)	-3		0	0	0	
Detector 1 Position(ft)	-3		0	0	0	
Detector 1 Size(ft)	6		20	6	5	
Detector 1 Type	Cl+Ex		Cl+Ex	Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0		0.0	0.0	0.0	
Detector 1 Queue (s)	0.0		0.0	0.0	0.0	
Detector 1 Delay (s)	0.0		0.0	0.0	5.0	
Detector 2 Position(ft)	13			250	250	
Detector 2 Size(ft)	6			6	5	
Detector 2 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0	0.0	
Detector 3 Position(ft)	34					
Detector 3 Size(ft)	6					
Detector 3 Type	Cl+Ex					
Detector 3 Channel						
Detector 3 Extend (s)	0.0					
Turn Type	Prot		Perm	NA	NA	

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Protected Phases	4			2	6	
Permitted Phases			2			
Detector Phase	4		2	2	6	
Switch Phase						
Minimum Initial (s)	3.0		15.0	15.0	15.0	
Minimum Split (s)	8.0		21.0	21.0	24.0	
Total Split (s)	20.0		47.0	47.0	47.0	
Total Split (%)	29.9%		70.1%	70.1%	70.1%	
Maximum Green (s)	15.0		41.0	41.0	41.0	
Yellow Time (s)	3.0		4.0	4.0	4.0	
All-Red Time (s)	2.0		2.0	2.0	2.0	
Lost Time Adjust (s)	-1.0			-1.0	-1.0	
Total Lost Time (s)	4.0			5.0	5.0	
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0		4.0	4.0	4.0	
Minimum Gap (s)	3.0		2.0	2.0	2.0	
Time Before Reduce (s)	0.0		26.0	26.0	26.0	
Time To Reduce (s)	0.0		10.0	10.0	10.0	
Recall Mode	None		Max	Max	Max	

Intersection Summary	
Area Type:	Other
Cycle Length: 67	
Actuated Cycle Length: 64.2	
Natural Cycle: 40	
Control Type: Actuated-Uncoordinated	

Splits and Phases: 3: Fox Chase Road & Manor Access





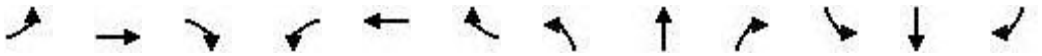
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	1	2	18	254	248	15
Future Volume (veh/h)	1	2	18	254	248	15
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	0.98	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1820	1820	1849	1747	1755	1872
Adj Flow Rate, veh/h	1	2	19	273	267	16
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	0	0	0	7	8	0
Cap, veh/h	9	18	115	1335	1320	79
Arrive On Green	0.02	0.00	0.79	0.81	0.81	0.79
Sat Flow, veh/h	409	818	52	1658	1639	98
Grp Volume(v), veh/h	4	0	292	0	0	283
Grp Sat Flow(s),veh/h/ln	1635	0	1710	0	0	1737
Q Serve(g_s), s	0.1	0.0	0.0	0.0	0.0	2.0
Cycle Q Clear(g_c), s	0.1	0.0	2.1	0.0	0.0	2.0
Prop In Lane	0.25	0.50	0.07			0.06
Lane Grp Cap(c), veh/h	37	0	1417	0	0	1399
V/C Ratio(X)	0.11	0.00	0.21	0.00	0.00	0.20
Avail Cap(c_a), veh/h	501	0	1417	0	0	1399
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	1.00
Uniform Delay (d), s/veh	25.2	0.0	1.2	0.0	0.0	1.2
Incr Delay (d2), s/veh	1.3	0.0	0.3	0.0	0.0	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.1	0.0	0.2	0.0	0.0	0.2
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	26.5	0.0	1.5	0.0	0.0	1.5
LnGrp LOS	C	A	A	A	A	A
Approach Vol, veh/h	4			292	283	
Approach Delay, s/veh	26.5			1.5	1.5	
Approach LOS	C			A	A	

Timer - Assigned Phs	2		4		6
Phs Duration (G+Y+Rc), s	47.0		5.2		47.0
Change Period (Y+Rc), s	6.0		5.0		6.0
Max Green Setting (Gmax), s	41.0		15.0		41.0
Max Q Clear Time (g_c+I1), s	4.1		2.6		4.0
Green Ext Time (p_c), s	5.7		0.0		5.5

Intersection Summary	
HCM 6th Ctrl Delay	1.7
HCM 6th LOS	A

Notes

User approved volume balancing among the lanes for turning movement.

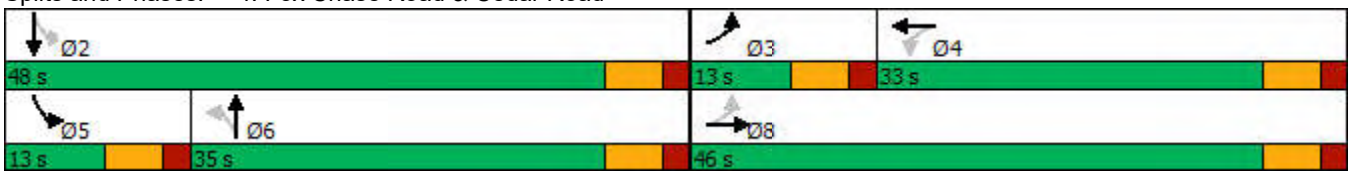


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	70	206	82	3	246	65	86	126	7	42	124	94
Future Volume (vph)	70	206	82	3	246	65	86	126	7	42	124	94
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	11	11	11	14	14	14	12	12	12	12	12	12
Grade (%)		0%			-1%			1%			1%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.969			0.972			0.996			0.951	
Flt Protected		0.990						0.981			0.992	
Satd. Flow (prot)	0	1565	0	0	1790	0	0	1670	0	0	1560	0
Flt Permitted		0.748			0.996			0.756			0.939	
Satd. Flow (perm)	0	1183	0	0	1783	0	0	1287	0	0	1477	0
Right Turn on Red			Yes			Yes			No			Yes
Satd. Flow (RTOR)		20			14						40	
Link Speed (mph)		35			35			35			35	
Link Distance (ft)		299			432			438			399	
Travel Time (s)		5.8			8.4			8.5			7.8	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles (%)	18%	5%	1%	67%	4%	5%	7%	2%	29%	15%	4%	11%
Adj. Flow (vph)	74	217	86	3	259	68	91	133	7	44	131	99
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	377	0	0	330	0	0	231	0	0	274	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.12	1.12	1.12	0.98	0.98	0.98	1.08	1.08	1.08	1.08	1.08	1.08
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	1		1	1		1	1		1	1	
Detector Template	Left			Left			Left			Left		
Leading Detector (ft)	20	35		20	35		20	35		20	35	
Trailing Detector (ft)	0	-5		0	-5		0	-5		0	-5	
Detector 1 Position(ft)	0	-5		0	-5		0	-5		0	-5	
Detector 1 Size(ft)	20	40		20	40		20	40		20	40	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	pm+pt	NA		Perm	NA		Perm	NA		pm+pt	NA	
Protected Phases	3	8			4			6		5	2	
Permitted Phases	8			4			6			2		
Detector Phase	3	8		4	4		6	6		5	2	
Switch Phase												
Minimum Initial (s)	3.0	10.0		10.0	10.0		12.0	12.0		3.0	12.0	
Minimum Split (s)	9.0	16.0		16.0	16.0		18.0	18.0		9.0	18.0	
Total Split (s)	13.0	46.0		33.0	33.0		35.0	35.0		13.0	48.0	
Total Split (%)	13.8%	48.9%		35.1%	35.1%		37.2%	37.2%		13.8%	51.1%	
Maximum Green (s)	7.0	40.0		27.0	27.0		29.0	29.0		7.0	42.0	
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)		-1.0			-1.0			-1.0			-1.0	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Total Lost Time (s)		5.0			5.0			5.0			5.0	
Lead/Lag	Lead			Lag	Lag		Lag	Lag		Lead		
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	Max	None		None	None		None	None		Max	None	
Act Effct Green (s)		32.9			19.6			20.1			33.4	
Actuated g/C Ratio		0.43			0.26			0.26			0.44	
v/c Ratio		0.67			0.71			0.68			0.41	
Control Delay		23.8			34.4			37.2			15.1	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		23.8			34.4			37.2			15.1	
LOS		C			C			D			B	
Approach Delay		23.8			34.4			37.2			15.1	
Approach LOS		C			C			D			B	
Queue Length 50th (ft)		119			133			97			70	
Queue Length 95th (ft)		242			253			192			149	
Internal Link Dist (ft)		219			352			358			319	
Turn Bay Length (ft)												
Base Capacity (vph)		698			675			515			874	
Starvation Cap Reductn		0			0			0			0	
Spillback Cap Reductn		0			0			0			0	
Storage Cap Reductn		0			0			0			0	
Reduced v/c Ratio		0.54			0.49			0.45			0.31	

Intersection Summary			
Area Type:	Other		
Cycle Length: 94			
Actuated Cycle Length: 76.6			
Natural Cycle: 60			
Control Type: Semi Act-Uncoord			
Maximum v/c Ratio: 0.71			
Intersection Signal Delay: 27.3		Intersection LOS: C	
Intersection Capacity Utilization 77.0%		ICU Level of Service D	
Analysis Period (min) 15			

Splits and Phases: 4: Fox Chase Road & Cedar Road



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	4	25	94	47	20	3	37	135	40	5	175	7
Future Volume (vph)	4	25	94	47	20	3	37	135	40	5	175	7
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	13	13	13	15	15	15	12	12	12	15	15	15
Grade (%)		2%			-1%			-2%			1%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00			1.00			1.00			1.00	
Frt		0.897			0.994			0.975			0.995	
Flt Protected		0.998			0.968			0.991			0.999	
Satd. Flow (prot)	0	1588	0	0	1913	0	0	1697	0	0	1921	0
Flt Permitted		0.989			0.731			0.936			0.994	
Satd. Flow (perm)	0	1573	0	0	1444	0	0	1602	0	0	1911	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		97			3			25			4	
Link Speed (mph)		25			25			35			35	
Link Distance (ft)		345			428			876			325	
Travel Time (s)		9.4			11.7			17.1			6.3	
Confl. Peds. (#/hr)	4					4	2					2
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	0%	0%	5%	0%	0%	0%	8%	1%	8%	0%	2%	0%
Adj. Flow (vph)	4	26	97	48	21	3	38	139	41	5	180	7
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	127	0	0	72	0	0	218	0	0	192	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.04	1.04	1.04	0.94	0.94	0.94	1.06	1.06	1.06	0.95	0.95	0.95
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	1		1	1		1	0		1	0	
Detector Template	Left			Left			Left			Left		
Leading Detector (ft)	20	35		20	35		20	0		20	0	
Trailing Detector (ft)	0	-5		0	-5		0	0		0	0	
Detector 1 Position(ft)	0	-5		0	-5		0	0		0	0	
Detector 1 Size(ft)	20	40		20	40		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	7.0	7.0		7.0	7.0		15.0	15.0		15.0	15.0	
Minimum Split (s)	12.0	12.0		12.0	12.0		21.0	21.0		21.0	21.0	
Total Split (s)	29.0	29.0		29.0	29.0		41.0	41.0		41.0	41.0	
Total Split (%)	41.4%	41.4%		41.4%	41.4%		58.6%	58.6%		58.6%	58.6%	
Maximum Green (s)	24.0	24.0		24.0	24.0		35.0	35.0		35.0	35.0	
Yellow Time (s)	3.0	3.0		3.0	3.0		4.0	4.0		4.0	4.0	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)		-1.0			-1.0			-1.0			-1.0	
Total Lost Time (s)		4.0			4.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	

Intersection Summary	
Area Type:	Other
Cycle Length: 70	
Actuated Cycle Length: 54.9	
Natural Cycle: 40	
Control Type: Semi Act-Uncoord	

Splits and Phases: 1: Fox Chase Road & Forrest Avenue



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	4	25	94	47	20	3	37	135	40	5	175	7
Future Volume (veh/h)	4	25	94	47	20	3	37	135	40	5	175	7
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.98	0.99		0.98	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1849	1849	1776	1911	1911	1911	1761	1860	1761	1866	1837	1866
Adj Flow Rate, veh/h	4	26	97	48	21	3	38	139	41	5	180	7
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	5	0	0	0	8	1	8	0	2	0
Cap, veh/h	74	52	177	249	98	10	225	790	217	77	1193	45
Arrive On Green	0.13	0.14	0.13	0.13	0.14	0.13	0.67	0.68	0.67	0.67	0.68	0.67
Sat Flow, veh/h	22	356	1221	936	677	70	212	1155	317	10	1743	66
Grp Volume(v), veh/h	127	0	0	72	0	0	218	0	0	192	0	0
Grp Sat Flow(s),veh/h/ln	1599	0	0	1682	0	0	1683	0	0	1819	0	0
Q Serve(g_s), s	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	3.9	0.0	0.0	1.8	0.0	0.0	2.3	0.0	0.0	2.0	0.0	0.0
Prop In Lane	0.03		0.76	0.67		0.04	0.17		0.19	0.03		0.04
Lane Grp Cap(c), veh/h	272	0	0	326	0	0	1200	0	0	1280	0	0
V/C Ratio(X)	0.47	0.00	0.00	0.22	0.00	0.00	0.18	0.00	0.00	0.15	0.00	0.00
Avail Cap(c_a), veh/h	797	0	0	799	0	0	1200	0	0	1280	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	21.3	0.0	0.0	20.3	0.0	0.0	3.1	0.0	0.0	2.9	0.0	0.0
Incr Delay (d2), s/veh	1.2	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	2.7	0.0	0.0	1.4	0.0	0.0	1.0	0.0	0.0	0.8	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.5	0.0	0.0	20.7	0.0	0.0	3.4	0.0	0.0	3.2	0.0	0.0
LnGrp LOS	C	A	A	C	A	A	A	A	A	A	A	A
Approach Vol, veh/h		127			72			218			192	
Approach Delay, s/veh		22.5			20.7			3.4			3.2	
Approach LOS		C			C			A			A	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	41.0	11.6	41.0	11.6
Change Period (Y+Rc), s	6.0	5.0	6.0	5.0
Max Green Setting (Gmax), s	35.0	24.0	35.0	24.0
Max Q Clear Time (g_c+I1), s	0.0	5.9	0.0	3.8
Green Ext Time (p_c), s	0.0	0.4	0.0	0.2

Intersection Summary	
HCM 6th Ctrl Delay	9.4
HCM 6th LOS	A

Notes

User approved pedestrian interval to be less than phase max green.

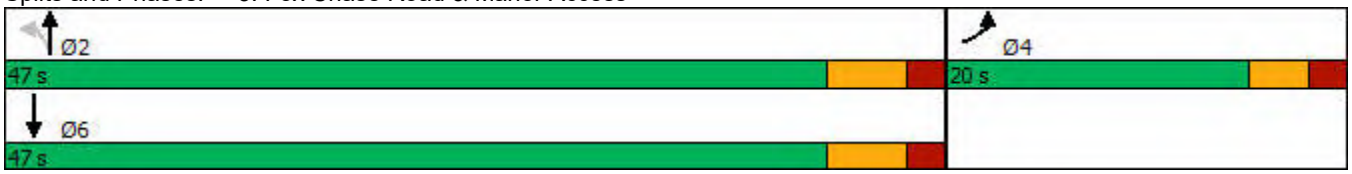


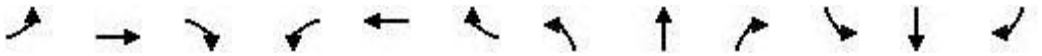
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	13	25	6	199	316	0
Future Volume (vph)	13	25	6	199	316	0
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800
Lane Width (ft)	15	15	14	14	13	13
Grade (%)	3%			2%	0%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor				1.00		
Frt	0.910					
Flt Protected	0.984			0.999		
Satd. Flow (prot)	1746	0	0	1828	1806	0
Flt Permitted	0.984			0.992		
Satd. Flow (perm)	1746	0	0	1815	1806	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	26					
Link Speed (mph)	30			35	35	
Link Distance (ft)	250			379	876	
Travel Time (s)	5.7			7.4	17.1	
Confl. Peds. (#/hr)			1			1
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	0%	0%	0%	4%	3%	0%
Adj. Flow (vph)	13	26	6	205	326	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	39	0	0	211	326	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	15			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	0.97	0.97	1.00	1.00	1.03	1.03
Turning Speed (mph)	15	9	15			9
Number of Detectors	3		1	2	2	
Detector Template			Left			
Leading Detector (ft)	40		20	256	255	
Trailing Detector (ft)	-3		0	0	0	
Detector 1 Position(ft)	-3		0	0	0	
Detector 1 Size(ft)	6		20	6	5	
Detector 1 Type	Cl+Ex		Cl+Ex	Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0		0.0	0.0	0.0	
Detector 1 Queue (s)	0.0		0.0	0.0	0.0	
Detector 1 Delay (s)	0.0		0.0	0.0	5.0	
Detector 2 Position(ft)	13			250	250	
Detector 2 Size(ft)	6			6	5	
Detector 2 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0	0.0	
Detector 3 Position(ft)	34					
Detector 3 Size(ft)	6					
Detector 3 Type	Cl+Ex					
Detector 3 Channel						
Detector 3 Extend (s)	0.0					
Turn Type	Prot		Perm	NA	NA	

Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Protected Phases	4			2	6	
Permitted Phases			2			
Detector Phase	4		2	2	6	
Switch Phase						
Minimum Initial (s)	3.0		15.0	15.0	15.0	
Minimum Split (s)	8.0		21.0	21.0	21.0	
Total Split (s)	20.0		47.0	47.0	47.0	
Total Split (%)	29.9%		70.1%	70.1%	70.1%	
Maximum Green (s)	15.0		41.0	41.0	41.0	
Yellow Time (s)	3.0		4.0	4.0	4.0	
All-Red Time (s)	2.0		2.0	2.0	2.0	
Lost Time Adjust (s)	-1.0			-1.0	-1.0	
Total Lost Time (s)	4.0			5.0	5.0	
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0		4.0	4.0	4.0	
Minimum Gap (s)	3.0		2.0	2.0	2.0	
Time Before Reduce (s)	0.0		26.0	26.0	26.0	
Time To Reduce (s)	0.0		10.0	10.0	10.0	
Recall Mode	None		Max	Max	Max	

Intersection Summary	
Area Type:	Other
Cycle Length: 67	
Actuated Cycle Length: 60.9	
Natural Cycle: 40	
Control Type: Actuated-Uncoordinated	

Splits and Phases: 3: Fox Chase Road & Manor Access





Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	59	252	115	6	270	71	77	103	5	75	185	63
Future Volume (vph)	59	252	115	6	270	71	77	103	5	75	185	63
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	11	11	11	14	14	14	12	12	12	12	12	12
Grade (%)		0%			-1%			1%			1%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00			1.00			1.00			1.00	
Frt		0.963			0.972			0.996			0.974	
Flt Protected		0.993			0.999			0.980			0.989	
Satd. Flow (prot)	0	1643	0	0	1829	0	0	1713	0	0	1689	0
Flt Permitted		0.834			0.990			0.723			0.882	
Satd. Flow (perm)	0	1380	0	0	1812	0	0	1262	0	0	1506	0
Right Turn on Red			Yes			Yes			No			Yes
Satd. Flow (RTOR)		25			14						17	
Link Speed (mph)		35			35			35			35	
Link Distance (ft)		299			432			438			399	
Travel Time (s)		5.8			8.4			8.5			7.8	
Confl. Peds. (#/hr)	1					1	4					4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	3%	1%	1%	0%	1%	6%	1%	2%	20%	3%	1%	2%
Adj. Flow (vph)	61	260	119	6	278	73	79	106	5	77	191	65
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	440	0	0	357	0	0	190	0	0	333	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.12	1.12	1.12	0.98	0.98	0.98	1.08	1.08	1.08	1.08	1.08	1.08
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	1		1	1		1	1		1	1	
Detector Template	Left			Left			Left			Left		
Leading Detector (ft)	20	35		20	35		20	35		20	35	
Trailing Detector (ft)	0	-5		0	-5		0	-5		0	-5	
Detector 1 Position(ft)	0	-5		0	-5		0	-5		0	-5	
Detector 1 Size(ft)	20	40		20	40		20	40		20	40	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	pm+pt	NA		Perm	NA		Perm	NA		pm+pt	NA	
Protected Phases	3	8			4			6		5	2	
Permitted Phases	8			4			6			2		
Detector Phase	3	8		4	4		6	6		5	2	
Switch Phase												
Minimum Initial (s)	3.0	10.0		10.0	10.0		12.0	12.0		3.0	12.0	
Minimum Split (s)	9.0	16.0		16.0	16.0		18.0	18.0		9.0	18.0	
Total Split (s)	13.0	46.0		33.0	33.0		35.0	35.0		13.0	48.0	
Total Split (%)	13.8%	48.9%		35.1%	35.1%		37.2%	37.2%		13.8%	51.1%	
Maximum Green (s)	7.0	40.0		27.0	27.0		29.0	29.0		7.0	42.0	
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)		-1.0			-1.0			-1.0			-1.0	
Total Lost Time (s)		5.0			5.0			5.0			5.0	
Lead/Lag	Lead			Lag	Lag		Lag	Lag		Lead		
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	Max	None		None	None		None	None		Max	None	
Act Effct Green (s)		33.2			20.0			18.1			31.4	
Actuated g/C Ratio		0.44			0.27			0.24			0.42	
v/c Ratio		0.67			0.72			0.62			0.50	
Control Delay		21.7			33.5			35.8			18.7	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		21.7			33.5			35.8			18.7	
LOS		C			C			D			B	
Approach Delay		21.7			33.5			35.8			18.7	
Approach LOS		C			C			D			B	
Queue Length 50th (ft)		134			140			78			101	
Queue Length 95th (ft)		268			263			158			195	
Internal Link Dist (ft)		219			352			358			319	
Turn Bay Length (ft)												
Base Capacity (vph)		810			699			515			908	
Starvation Cap Reductn		0			0			0			0	
Spillback Cap Reductn		0			0			0			0	
Storage Cap Reductn		0			0			0			0	
Reduced v/c Ratio		0.54			0.51			0.37			0.37	

Intersection Summary			
Area Type:	Other		
Cycle Length: 94			
Actuated Cycle Length: 74.8			
Natural Cycle: 60			
Control Type: Semi Act-Uncoord			
Maximum v/c Ratio: 0.72			
Intersection Signal Delay: 26.2		Intersection LOS: C	
Intersection Capacity Utilization 78.1%		ICU Level of Service D	
Analysis Period (min) 15			

Splits and Phases: 4: Fox Chase Road & Cedar Road





Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	13	25	6	199	316	0
Future Volume (veh/h)	13	25	6	199	316	0
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1820	1820	1849	1790	1828	1872
Adj Flow Rate, veh/h	13	26	6	205	326	0
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	0	4	3	0
Cap, veh/h	27	53	79	1382	1429	0
Arrive On Green	0.05	0.03	0.76	0.78	0.78	0.00
Sat Flow, veh/h	522	1044	13	1768	1828	0
Grp Volume(v), veh/h	40	0	211	0	326	0
Grp Sat Flow(s),veh/h/ln	1606	0	1780	0	1828	0
Q Serve(g_s), s	1.3	0.0	0.0	0.0	2.5	0.0
Cycle Q Clear(g_c), s	1.3	0.0	1.6	0.0	2.5	0.0
Prop In Lane	0.32	0.65	0.03			0.00
Lane Grp Cap(c), veh/h	82	0	1427	0	1429	0
V/C Ratio(X)	0.49	0.00	0.15	0.00	0.23	0.00
Avail Cap(c_a), veh/h	478	0	1427	0	1429	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	0.00
Uniform Delay (d), s/veh	25.1	0.0	1.5	0.0	1.6	0.0
Incr Delay (d2), s/veh	4.5	0.0	0.2	0.0	0.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.0	0.0	0.3	0.0	0.4	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	29.6	0.0	1.7	0.0	1.9	0.0
LnGrp LOS	C	A	A	A	A	A
Approach Vol, veh/h	40			211	326	
Approach Delay, s/veh	29.6			1.7	1.9	
Approach LOS	C			A	A	

Timer - Assigned Phs	2		4		6
Phs Duration (G+Y+Rc), s	47.0		6.7		47.0
Change Period (Y+Rc), s	6.0		5.0		6.0
Max Green Setting (Gmax), s	41.0		15.0		41.0
Max Q Clear Time (g_c+I1), s	3.6		3.8		5.0
Green Ext Time (p_c), s	3.9		0.1		6.3

Intersection Summary	
HCM 6th Ctrl Delay	3.8
HCM 6th LOS	A

Notes

User approved volume balancing among the lanes for turning movement.

Appendix I

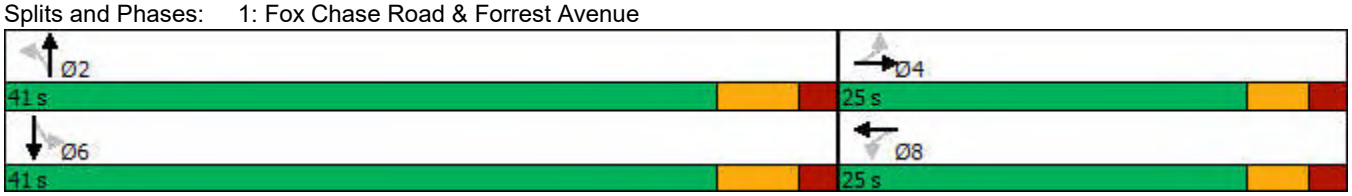
2029 Future with Development Capacity / LOS Analysis Worksheets

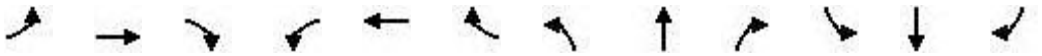
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	13	14	57	72	13	5	46	180	38	2	138	15
Future Volume (vph)	13	14	57	72	13	5	46	180	38	2	138	15
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	13	13	13	15	15	15	12	12	12	15	15	15
Grade (%)		2%			-1%			-2%			1%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00			1.00							
Frt		0.909			0.992			0.981			0.987	
Flt Protected		0.993			0.962			0.991			0.999	
Satd. Flow (prot)	0	1569	0	0	1776	0	0	1644	0	0	1760	0
Flt Permitted		0.942			0.792			0.932			0.998	
Satd. Flow (perm)	0	1488	0	0	1462	0	0	1546	0	0	1758	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		63			5			20			13	
Link Speed (mph)		25			25			35			35	
Link Distance (ft)		345			428			876			325	
Travel Time (s)		9.4			11.7			17.1			6.3	
Confl. Peds. (#/hr)	2					2						
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles (%)	0%	7%	7%	7%	0%	20%	10%	7%	7%	50%	8%	27%
Adj. Flow (vph)	14	16	63	80	14	6	51	200	42	2	153	17
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	93	0	0	100	0	0	293	0	0	172	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.04	1.04	1.04	0.94	0.94	0.94	1.06	1.06	1.06	0.95	0.95	0.95
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	1		1	1		1	0		1	0	
Detector Template	Left			Left			Left			Left		
Leading Detector (ft)	20	35		20	35		20	0		20	0	
Trailing Detector (ft)	0	-5		0	-5		0	0		0	0	
Detector 1 Position(ft)	0	-5		0	-5		0	0		0	0	
Detector 1 Size(ft)	20	40		20	40		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	7.0	7.0		7.0	7.0		15.0	15.0		15.0	15.0	
Minimum Split (s)	12.0	12.0		12.0	12.0		21.0	21.0		21.0	21.0	
Total Split (s)	25.0	25.0		25.0	25.0		41.0	41.0		41.0	41.0	
Total Split (%)	37.9%	37.9%		37.9%	37.9%		62.1%	62.1%		62.1%	62.1%	
Maximum Green (s)	20.0	20.0		20.0	20.0		35.0	35.0		35.0	35.0	
Yellow Time (s)	3.0	3.0		3.0	3.0		4.0	4.0		4.0	4.0	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)		-1.0			-1.0			-1.0			-1.0	
Total Lost Time (s)		4.0			4.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	

Intersection Summary	
Area Type:	Other
Cycle Length: 66	
Actuated Cycle Length: 56.2	
Natural Cycle: 40	
Control Type: Semi Act-Uncoord	

Splits and Phases: 1: Fox Chase Road & Forrest Avenue





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	13	14	57	72	13	5	46	180	38	2	138	15
Future Volume (veh/h)	13	14	57	72	13	5	46	180	38	2	138	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.99	0.99		0.99	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1849	1747	1747	1807	1911	1615	1732	1775	1775	1136	1749	1472
Adj Flow Rate, veh/h	14	16	63	80	14	6	51	200	42	2	153	17
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	0	7	7	7	0	20	10	7	7	50	8	27
Cap, veh/h	97	52	147	292	49	14	220	813	159	71	1057	116
Arrive On Green	0.13	0.14	0.13	0.13	0.14	0.13	0.67	0.68	0.67	0.67	0.68	0.67
Sat Flow, veh/h	128	358	1022	1169	339	96	204	1187	233	3	1544	170
Grp Volume(v), veh/h	93	0	0	100	0	0	293	0	0	172	0	0
Grp Sat Flow(s),veh/h/ln	1508	0	0	1604	0	0	1623	0	0	1717	0	0
Q Serve(g_s), s	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.9	0.0	0.0	2.6	0.0	0.0	3.5	0.0	0.0	1.9	0.0	0.0
Prop In Lane	0.15		0.68	0.80		0.06	0.17		0.14	0.01		0.10
Lane Grp Cap(c), veh/h	268	0	0	324	0	0	1161	0	0	1212	0	0
V/C Ratio(X)	0.35	0.00	0.00	0.31	0.00	0.00	0.25	0.00	0.00	0.14	0.00	0.00
Avail Cap(c_a), veh/h	645	0	0	685	0	0	1161	0	0	1212	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	20.9	0.0	0.0	20.8	0.0	0.0	3.2	0.0	0.0	2.9	0.0	0.0
Incr Delay (d2), s/veh	0.8	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.9	0.0	0.0	2.1	0.0	0.0	1.5	0.0	0.0	0.8	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.7	0.0	0.0	21.3	0.0	0.0	3.7	0.0	0.0	3.2	0.0	0.0
LnGrp LOS	C	A	A	C	A	A	A	A	A	A	A	A
Approach Vol, veh/h		93			100			293			172	
Approach Delay, s/veh		21.7			21.3			3.7			3.2	
Approach LOS		C			C			A			A	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	41.0	11.6	41.0	11.6
Change Period (Y+Rc), s	6.0	5.0	6.0	5.0
Max Green Setting (Gmax), s	35.0	20.0	35.0	20.0
Max Q Clear Time (g_c+I1), s	0.0	4.9	0.0	4.6
Green Ext Time (p_c), s	0.0	0.2	0.0	0.2

Intersection Summary	
HCM 6th Ctrl Delay	8.8
HCM 6th LOS	A

Notes

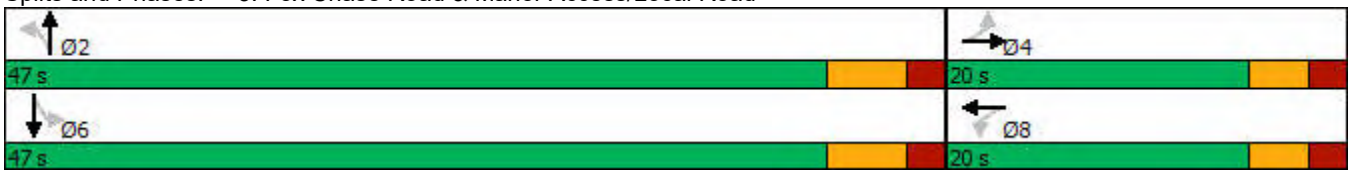
User approved pedestrian interval to be less than phase max green.

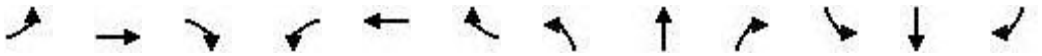
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	1	0	2	27	0	9	18	254	13	4	248	15
Future Volume (vph)	1	0	2	27	0	9	18	254	13	4	248	15
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	15	15	15	16	16	16	14	14	14	13	13	13
Grade (%)		3%			0%			2%			0%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00						1.00			1.00	
Frt		0.910			0.965			0.994			0.992	
Flt Protected		0.984			0.964			0.997			0.999	
Satd. Flow (prot)	0	1746	0	0	1861	0	0	1771	0	0	1713	0
Flt Permitted		0.874			0.942			0.977			0.997	
Satd. Flow (perm)	0	1549	0	0	1818	0	0	1736	0	0	1710	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		49			49			7			9	
Link Speed (mph)		30			25			35			35	
Link Distance (ft)		250			253			379			876	
Travel Time (s)		5.7			6.9			7.4			17.1	
Confl. Peds. (#/hr)	2						1					1
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles (%)	0%	2%	0%	2%	2%	2%	0%	7%	2%	2%	8%	0%
Adj. Flow (vph)	1	0	2	29	0	10	19	273	14	4	267	16
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	3	0	0	39	0	0	306	0	0	287	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			10			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	0.97	0.97	0.97	0.91	0.91	0.91	1.00	1.00	1.00	1.03	1.03	1.03
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	3	1		1	1		1	2		1	2	
Detector Template				Left			Left			Left		
Leading Detector (ft)	40	35		20	35		20	236		20	236	
Trailing Detector (ft)	-3	-5		0	-5		0	-5		0	-5	
Detector 1 Position(ft)	-3	-5		0	-5		0	-5		0	-5	
Detector 1 Size(ft)	6	40		20	40		20	40		20	40	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	5.0	
Detector 2 Position(ft)	13							230			230	
Detector 2 Size(ft)	6							6			6	
Detector 2 Type	Cl+Ex							Extend			Extend	
Detector 2 Channel												
Detector 2 Extend (s)	0.0							0.0			0.0	
Detector 3 Position(ft)	34											
Detector 3 Size(ft)	6											
Detector 3 Type	Cl+Ex											
Detector 3 Channel												
Detector 3 Extend (s)	0.0											
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	3.0	3.0		3.0	3.0		15.0	15.0		15.0	15.0	
Minimum Split (s)	8.0	8.0		8.0	8.0		21.0	21.0		21.0	21.0	
Total Split (s)	20.0	20.0		20.0	20.0		47.0	47.0		47.0	47.0	
Total Split (%)	29.9%	29.9%		29.9%	29.9%		70.1%	70.1%		70.1%	70.1%	
Maximum Green (s)	15.0	15.0		15.0	15.0		41.0	41.0		41.0	41.0	
Yellow Time (s)	3.0	3.0		3.0	3.0		4.0	4.0		4.0	4.0	
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)		-1.0			-1.0			-1.0			-1.0	
Total Lost Time (s)		4.0			4.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		4.0	4.0		4.0	4.0	
Minimum Gap (s)	3.0	3.0		3.0	3.0		2.0	2.0		2.0	2.0	
Time Before Reduce (s)	0.0	0.0		0.0	0.0		26.0	26.0		26.0	26.0	
Time To Reduce (s)	0.0	0.0		0.0	0.0		10.0	10.0		10.0	10.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	

Intersection Summary	
Area Type:	Other
Cycle Length: 67	
Actuated Cycle Length: 60.7	
Natural Cycle: 40	
Control Type: Actuated-Uncoordinated	

Splits and Phases: 3: Fox Chase Road & Manor Access/Local Road

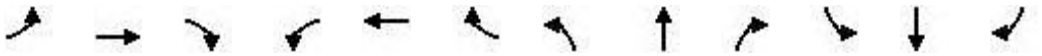




Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1	0	2	27	0	9	18	254	13	4	248	15
Future Volume (veh/h)	1	0	2	27	0	9	18	254	13	4	248	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	0.97		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1820	1791	1820	1843	1843	1843	1849	1747	1820	1843	1755	1872
Adj Flow Rate, veh/h	1	0	2	29	0	10	19	273	14	4	267	16
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	0	2	0	2	2	2	0	7	2	2	8	0
Cap, veh/h	114	0	49	172	0	19	109	1234	61	72	1281	76
Arrive On Green	0.05	0.00	0.03	0.03	0.00	0.03	0.77	0.78	0.77	0.77	0.78	0.77
Sat Flow, veh/h	515	0	1029	1137	0	392	48	1574	78	4	1633	97
Grp Volume(v), veh/h	3	0	0	39	0	0	306	0	0	287	0	0
Grp Sat Flow(s),veh/h/ln	1544	0	0	1529	0	0	1699	0	0	1735	0	0
Q Serve(g_s), s	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.1	0.0	0.0	1.3	0.0	0.0	2.5	0.0	0.0	2.3	0.0	0.0
Prop In Lane	0.33		0.67	0.74		0.26	0.06		0.05	0.01		0.06
Lane Grp Cap(c), veh/h	164	0	0	162	0	0	1372	0	0	1396	0	0
V/C Ratio(X)	0.02	0.00	0.00	0.24	0.00	0.00	0.22	0.00	0.00	0.21	0.00	0.00
Avail Cap(c_a), veh/h	524	0	0	514	0	0	1372	0	0	1396	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	24.6	0.0	0.0	25.4	0.0	0.0	1.5	0.0	0.0	1.5	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	0.8	0.0	0.0	0.4	0.0	0.0	0.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.1	0.0	0.0	0.9	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	24.7	0.0	0.0	26.1	0.0	0.0	1.9	0.0	0.0	1.8	0.0	0.0
LnGrp LOS	C	A	A	C	A	A	A	A	A	A	A	A
Approach Vol, veh/h		3			39			306			287	
Approach Delay, s/veh		24.7			26.1			1.9			1.8	
Approach LOS		C			C			A			A	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	47.0	6.6	47.0	6.6
Change Period (Y+Rc), s	6.0	5.0	6.0	5.0
Max Green Setting (Gmax), s	41.0	15.0	41.0	15.0
Max Q Clear Time (g_c+I1), s	4.5	2.6	4.3	3.3
Green Ext Time (p_c), s	5.6	0.0	5.1	0.0

Intersection Summary	
HCM 6th Ctrl Delay	3.5
HCM 6th LOS	A

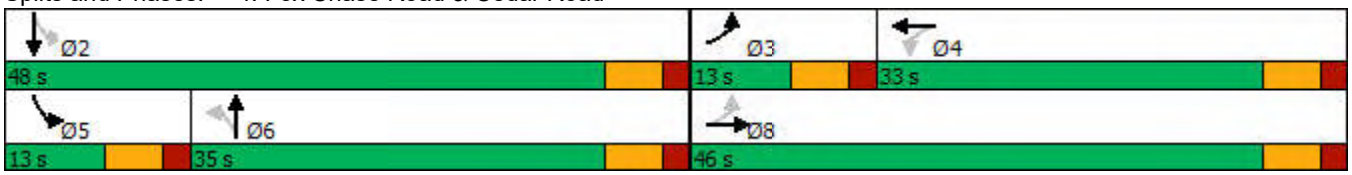


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	75	206	82	3	246	69	86	130	7	51	131	105
Future Volume (vph)	75	206	82	3	246	69	86	130	7	51	131	105
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	11	11	11	14	14	14	12	12	12	12	12	12
Grade (%)		0%			-1%			1%			1%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.970			0.971			0.996			0.951	
Flt Protected		0.990						0.981			0.991	
Satd. Flow (prot)	0	1565	0	0	1788	0	0	1671	0	0	1555	0
Flt Permitted		0.721			0.996			0.748			0.918	
Satd. Flow (perm)	0	1140	0	0	1781	0	0	1274	0	0	1441	0
Right Turn on Red			Yes			Yes			No			Yes
Satd. Flow (RTOR)		20			15						41	
Link Speed (mph)		35			35			35			35	
Link Distance (ft)		299			432			438			399	
Travel Time (s)		5.8			8.4			8.5			7.8	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles (%)	18%	5%	1%	67%	4%	5%	7%	2%	29%	15%	4%	11%
Adj. Flow (vph)	79	217	86	3	259	73	91	137	7	54	138	111
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	382	0	0	335	0	0	235	0	0	303	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.12	1.12	1.12	0.98	0.98	0.98	1.08	1.08	1.08	1.08	1.08	1.08
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	1		1	1		1	1		1	1	
Detector Template	Left			Left			Left			Left		
Leading Detector (ft)	20	35		20	35		20	35		20	35	
Trailing Detector (ft)	0	-5		0	-5		0	-5		0	-5	
Detector 1 Position(ft)	0	-5		0	-5		0	-5		0	-5	
Detector 1 Size(ft)	20	40		20	40		20	40		20	40	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	pm+pt	NA		Perm	NA		Perm	NA		pm+pt	NA	
Protected Phases	3	8			4			6		5	2	
Permitted Phases	8			4			6			2		
Detector Phase	3	8		4	4		6	6		5	2	
Switch Phase												
Minimum Initial (s)	3.0	10.0		10.0	10.0		12.0	12.0		3.0	12.0	
Minimum Split (s)	9.0	16.0		16.0	16.0		18.0	18.0		9.0	18.0	
Total Split (s)	13.0	46.0		33.0	33.0		35.0	35.0		13.0	48.0	
Total Split (%)	13.8%	48.9%		35.1%	35.1%		37.2%	37.2%		13.8%	51.1%	
Maximum Green (s)	7.0	40.0		27.0	27.0		29.0	29.0		7.0	42.0	
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)		-1.0			-1.0			-1.0			-1.0	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Total Lost Time (s)		5.0			5.0			5.0			5.0	
Lead/Lag	Lead			Lag	Lag		Lag	Lag		Lead		
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	Max	None		None	None		None	None		Max	None	
Act Effct Green (s)		33.3			20.0			20.6			33.9	
Actuated g/C Ratio		0.43			0.26			0.27			0.44	
v/c Ratio		0.70			0.71			0.70			0.46	
Control Delay		25.2			34.7			38.0			16.1	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		25.2			34.7			38.0			16.1	
LOS		C			C			D			B	
Approach Delay		25.2			34.7			38.0			16.1	
Approach LOS		C			C			D			B	
Queue Length 50th (ft)		123			137			100			82	
Queue Length 95th (ft)		245			256			196			167	
Internal Link Dist (ft)		219			352			358			319	
Turn Bay Length (ft)												
Base Capacity (vph)		672			669			505			849	
Starvation Cap Reductn		0			0			0			0	
Spillback Cap Reductn		0			0			0			0	
Storage Cap Reductn		0			0			0			0	
Reduced v/c Ratio		0.57			0.50			0.47			0.36	

Intersection Summary			
Area Type:	Other		
Cycle Length: 94			
Actuated Cycle Length: 77.4			
Natural Cycle: 60			
Control Type: Semi Act-Uncoord			
Maximum v/c Ratio: 0.71			
Intersection Signal Delay: 27.9		Intersection LOS: C	
Intersection Capacity Utilization 76.4%		ICU Level of Service D	
Analysis Period (min) 15			

Splits and Phases: 4: Fox Chase Road & Cedar Road



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	4	25	95	49	20	3	38	139	41	5	181	7
Future Volume (vph)	4	25	95	49	20	3	38	139	41	5	181	7
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	13	13	13	15	15	15	12	12	12	15	15	15
Grade (%)		2%			-1%			-2%			1%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00			1.00			1.00			1.00	
Frt		0.897			0.995			0.975			0.995	
Flt Protected		0.998			0.967			0.991			0.999	
Satd. Flow (prot)	0	1588	0	0	1913	0	0	1697	0	0	1921	0
Flt Permitted		0.989			0.725			0.934			0.994	
Satd. Flow (perm)	0	1573	0	0	1434	0	0	1599	0	0	1911	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		98			3			24			4	
Link Speed (mph)		25			25			35			35	
Link Distance (ft)		345			428			876			325	
Travel Time (s)		9.4			11.7			17.1			6.3	
Confl. Peds. (#/hr)	4					4	2					2
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	0%	0%	5%	0%	0%	0%	8%	1%	8%	0%	2%	0%
Adj. Flow (vph)	4	26	98	51	21	3	39	143	42	5	187	7
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	128	0	0	75	0	0	224	0	0	199	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.04	1.04	1.04	0.94	0.94	0.94	1.06	1.06	1.06	0.95	0.95	0.95
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	1		1	1		1	0		1	0	
Detector Template	Left			Left			Left			Left		
Leading Detector (ft)	20	35		20	35		20	0		20	0	
Trailing Detector (ft)	0	-5		0	-5		0	0		0	0	
Detector 1 Position(ft)	0	-5		0	-5		0	0		0	0	
Detector 1 Size(ft)	20	40		20	40		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	7.0	7.0		7.0	7.0		15.0	15.0		15.0	15.0	
Minimum Split (s)	12.0	12.0		12.0	12.0		21.0	21.0		21.0	21.0	
Total Split (s)	29.0	29.0		29.0	29.0		41.0	41.0		41.0	41.0	
Total Split (%)	41.4%	41.4%		41.4%	41.4%		58.6%	58.6%		58.6%	58.6%	
Maximum Green (s)	24.0	24.0		24.0	24.0		35.0	35.0		35.0	35.0	
Yellow Time (s)	3.0	3.0		3.0	3.0		4.0	4.0		4.0	4.0	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)		-1.0			-1.0			-1.0			-1.0	
Total Lost Time (s)		4.0			4.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	

Intersection Summary	
Area Type:	Other
Cycle Length: 70	
Actuated Cycle Length: 55	
Natural Cycle: 40	
Control Type: Semi Act-Uncoord	

Splits and Phases: 1: Fox Chase Road & Forrest Avenue



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	4	25	95	49	20	3	38	139	41	5	181	7
Future Volume (veh/h)	4	25	95	49	20	3	38	139	41	5	181	7
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.98	0.99		0.98	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1849	1849	1776	1911	1911	1911	1761	1860	1761	1866	1837	1866
Adj Flow Rate, veh/h	4	26	98	51	21	3	39	143	42	5	187	7
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	0	5	0	0	0	8	1	8	0	2	0
Cap, veh/h	74	51	178	255	94	10	225	790	216	77	1194	44
Arrive On Green	0.13	0.15	0.13	0.13	0.15	0.13	0.66	0.68	0.66	0.66	0.68	0.66
Sat Flow, veh/h	22	353	1224	964	649	67	211	1156	315	9	1746	64
Grp Volume(v), veh/h	128	0	0	75	0	0	224	0	0	199	0	0
Grp Sat Flow(s),veh/h/ln	1599	0	0	1680	0	0	1682	0	0	1820	0	0
Q Serve(g_s), s	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	4.0	0.0	0.0	1.9	0.0	0.0	2.4	0.0	0.0	2.1	0.0	0.0
Prop In Lane	0.03		0.77	0.68		0.04	0.17		0.19	0.03		0.04
Lane Grp Cap(c), veh/h	272	0	0	327	0	0	1198	0	0	1280	0	0
V/C Ratio(X)	0.47	0.00	0.00	0.23	0.00	0.00	0.19	0.00	0.00	0.16	0.00	0.00
Avail Cap(c_a), veh/h	796	0	0	797	0	0	1198	0	0	1280	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	21.3	0.0	0.0	20.4	0.0	0.0	3.1	0.0	0.0	3.0	0.0	0.0
Incr Delay (d2), s/veh	1.3	0.0	0.0	0.4	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	2.7	0.0	0.0	1.5	0.0	0.0	1.0	0.0	0.0	0.9	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.6	0.0	0.0	20.7	0.0	0.0	3.4	0.0	0.0	3.2	0.0	0.0
LnGrp LOS	C	A	A	C	A	A	A	A	A	A	A	A
Approach Vol, veh/h		128			75			224			199	
Approach Delay, s/veh		22.6			20.7			3.4			3.2	
Approach LOS		C			C			A			A	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	41.0	11.6	41.0	11.6
Change Period (Y+Rc), s	6.0	5.0	6.0	5.0
Max Green Setting (Gmax), s	35.0	24.0	35.0	24.0
Max Q Clear Time (g_c+I1), s	0.0	6.0	0.0	3.9
Green Ext Time (p_c), s	0.0	0.4	0.0	0.2

Intersection Summary	
HCM 6th Ctrl Delay	9.3
HCM 6th LOS	A

Notes

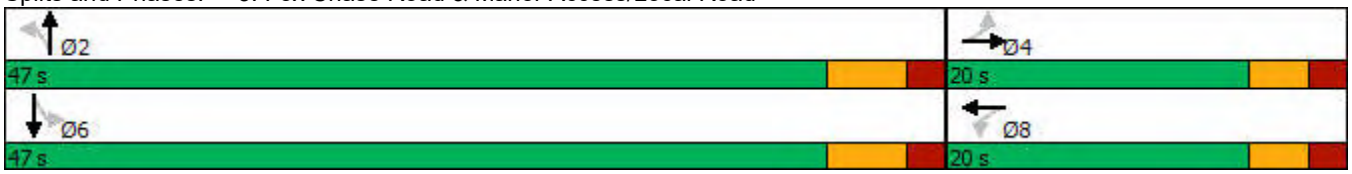
User approved pedestrian interval to be less than phase max green.

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	13	0	25	18	0	6	6	199	28	9	316	0
Future Volume (vph)	13	0	25	18	0	6	6	199	28	9	316	0
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	15	12	15	12	12	12	14	14	12	12	13	13
Grade (%)		3%			0%			2%			0%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor								1.00				
Frt		0.910			0.968			0.984				
Flt Protected		0.984			0.963			0.999			0.999	
Satd. Flow (prot)	0	1588	0	0	1645	0	0	1803	0	0	1804	0
Flt Permitted		0.879			0.951			0.993			0.993	
Satd. Flow (perm)	0	1418	0	0	1625	0	0	1792	0	0	1794	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		49			49			20				
Link Speed (mph)		30			25			35			35	
Link Distance (ft)		250			228			379			876	
Travel Time (s)		5.7			6.2			7.4			17.1	
Confl. Peds. (#/hr)							1					1
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	0%	2%	0%	2%	2%	2%	0%	4%	2%	2%	3%	0%
Adj. Flow (vph)	13	0	26	19	0	6	6	205	29	9	326	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	39	0	0	25	0	0	240	0	0	335	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			10			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	0.97	1.09	0.97	1.07	1.07	1.07	1.00	1.00	1.09	1.07	1.03	1.03
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	3	1		1	1		1	2		1	2	
Detector Template				Left			Left			Left		
Leading Detector (ft)	40	35		20	35		20	236		20	236	
Trailing Detector (ft)	-3	-5		0	-5		0	-5		0	-5	
Detector 1 Position(ft)	-3	-5		0	-5		0	-5		0	-5	
Detector 1 Size(ft)	6	40		20	40		20	40		20	40	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	5.0	
Detector 2 Position(ft)	13							230			230	
Detector 2 Size(ft)	6							6			6	
Detector 2 Type	Cl+Ex							Extend			Extend	
Detector 2 Channel												
Detector 2 Extend (s)	0.0							0.0			0.0	
Detector 3 Position(ft)	34											
Detector 3 Size(ft)	6											
Detector 3 Type	Cl+Ex											
Detector 3 Channel												
Detector 3 Extend (s)	0.0											
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	3.0	3.0		3.0	3.0		15.0	15.0		15.0	15.0	
Minimum Split (s)	8.0	8.0		8.0	8.0		21.0	21.0		21.0	21.0	
Total Split (s)	20.0	20.0		20.0	20.0		47.0	47.0		47.0	47.0	
Total Split (%)	29.9%	29.9%		29.9%	29.9%		70.1%	70.1%		70.1%	70.1%	
Maximum Green (s)	15.0	15.0		15.0	15.0		41.0	41.0		41.0	41.0	
Yellow Time (s)	3.0	3.0		3.0	3.0		4.0	4.0		4.0	4.0	
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)		-1.0			-1.0			-1.0			-1.0	
Total Lost Time (s)		4.0			4.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		4.0	4.0		4.0	4.0	
Minimum Gap (s)	3.0	3.0		3.0	3.0		2.0	2.0		2.0	2.0	
Time Before Reduce (s)	0.0	0.0		0.0	0.0		26.0	26.0		26.0	26.0	
Time To Reduce (s)	0.0	0.0		0.0	0.0		10.0	10.0		10.0	10.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	

Intersection Summary	
Area Type:	Other
Cycle Length: 67	
Actuated Cycle Length: 57.7	
Natural Cycle: 40	
Control Type: Actuated-Uncoordinated	

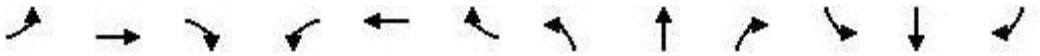
Splits and Phases: 3: Fox Chase Road & Manor Access/Local Road



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	13	0	25	18	0	6	6	199	28	9	316	0
Future Volume (veh/h)	13	0	25	18	0	6	6	199	28	9	316	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			Yes			No			No	
Adj Sat Flow, veh/h/ln	1820	1722	1820	1772	1772	1772	1849	1790	1750	1772	1828	1872
Adj Flow Rate, veh/h	13	0	26	19	0	6	6	205	29	9	326	0
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	0	2	0	2	2	2	0	4	2	2	3	0
Cap, veh/h	118	0	60	195	0	25	75	1175	163	78	1394	0
Arrive On Green	0.06	0.00	0.05	0.05	0.00	0.05	0.75	0.77	0.75	0.75	0.77	0.00
Sat Flow, veh/h	475	0	949	1238	0	391	10	1524	211	13	1807	0
Grp Volume(v), veh/h	39	0	0	25	0	0	240	0	0	335	0	0
Grp Sat Flow(s),veh/h/ln	1424	0	0	1629	0	0	1745	0	0	1820	0	0
Q Serve(g_s), s	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	1.4	0.0	0.0	0.8	0.0	0.0	2.0	0.0	0.0	2.8	0.0	0.0
Prop In Lane	0.33		0.67	0.76		0.24	0.02		0.12	0.03		0.00
Lane Grp Cap(c), veh/h	179	0	0	190	0	0	1381	0	0	1438	0	0
V/C Ratio(X)	0.22	0.00	0.00	0.13	0.00	0.00	0.17	0.00	0.00	0.23	0.00	0.00
Avail Cap(c_a), veh/h	501	0	0	501	0	0	1381	0	0	1438	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	24.8	0.0	0.0	24.7	0.0	0.0	1.7	0.0	0.0	1.8	0.0	0.0
Incr Delay (d2), s/veh	0.6	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.9	0.0	0.0	0.6	0.0	0.0	0.5	0.0	0.0	0.7	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.5	0.0	0.0	25.0	0.0	0.0	1.9	0.0	0.0	2.1	0.0	0.0
LnGrp LOS	C	A	A	C	A	A	A	A	A	A	A	A
Approach Vol, veh/h		39			25			240			335	
Approach Delay, s/veh		25.5			25.0			1.9			2.1	
Approach LOS		C			C			A			A	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	47.0	7.5	47.0	7.5
Change Period (Y+Rc), s	6.0	5.0	6.0	5.0
Max Green Setting (Gmax), s	41.0	15.0	41.0	15.0
Max Q Clear Time (g_c+I1), s	4.0	3.9	4.8	2.8
Green Ext Time (p_c), s	4.2	0.0	6.1	0.0

Intersection Summary	
HCM 6th Ctrl Delay	4.4
HCM 6th LOS	A



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	70	252	115	6	270	80	77	111	5	81	190	70
Future Volume (vph)	70	252	115	6	270	80	77	111	5	81	190	70
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	11	11	11	14	14	14	12	12	12	12	12	12
Grade (%)		0%			-1%			1%			1%	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00			1.00			1.00			1.00	
Frt		0.964			0.970			0.997			0.972	
Flt Protected		0.992			0.999			0.980			0.988	
Satd. Flow (prot)	0	1642	0	0	1822	0	0	1715	0	0	1683	0
Flt Permitted		0.780			0.991			0.725			0.865	
Satd. Flow (perm)	0	1291	0	0	1808	0	0	1267	0	0	1474	0
Right Turn on Red			Yes			Yes			No			Yes
Satd. Flow (RTOR)		24			16						18	
Link Speed (mph)		35			35			35			35	
Link Distance (ft)		299			432			438			399	
Travel Time (s)		5.8			8.4			8.5			7.8	
Confl. Peds. (#/hr)	1					1	4					4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	3%	1%	1%	0%	1%	6%	1%	2%	20%	3%	1%	2%
Adj. Flow (vph)	72	260	119	6	278	82	79	114	5	84	196	72
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	451	0	0	366	0	0	198	0	0	352	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.12	1.12	1.12	0.98	0.98	0.98	1.08	1.08	1.08	1.08	1.08	1.08
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	1		1	1		1	1		1	1	
Detector Template	Left			Left			Left			Left		
Leading Detector (ft)	20	35		20	35		20	35		20	35	
Trailing Detector (ft)	0	-5		0	-5		0	-5		0	-5	
Detector 1 Position(ft)	0	-5		0	-5		0	-5		0	-5	
Detector 1 Size(ft)	20	40		20	40		20	40		20	40	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	pm+pt	NA		Perm	NA		Perm	NA		pm+pt	NA	
Protected Phases	3	8			4			6		5	2	
Permitted Phases	8			4			6			2		
Detector Phase	3	8		4	4		6	6		5	2	
Switch Phase												
Minimum Initial (s)	3.0	10.0		10.0	10.0		12.0	12.0		3.0	12.0	
Minimum Split (s)	9.0	16.0		16.0	16.0		18.0	18.0		9.0	18.0	
Total Split (s)	13.0	46.0		33.0	33.0		35.0	35.0		13.0	48.0	
Total Split (%)	13.8%	48.9%		35.1%	35.1%		37.2%	37.2%		13.8%	51.1%	
Maximum Green (s)	7.0	40.0		27.0	27.0		29.0	29.0		7.0	42.0	
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)		-1.0			-1.0			-1.0			-1.0	
Total Lost Time (s)		5.0			5.0			5.0			5.0	
Lead/Lag	Lead			Lag	Lag		Lag	Lag		Lead		
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	Max	None		None	None		None	None		Max	None	
Act Effct Green (s)		34.0			20.7			18.7			32.0	
Actuated g/C Ratio		0.45			0.27			0.25			0.42	
v/c Ratio		0.72			0.73			0.64			0.54	
Control Delay		24.1			33.8			36.6			19.7	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		24.1			33.8			36.6			19.7	
LOS		C			C			D			B	
Approach Delay		24.1			33.8			36.6			19.7	
Approach LOS		C			C			D			B	
Queue Length 50th (ft)		142			146			83			110	
Queue Length 95th (ft)		284			273			165			208	
Internal Link Dist (ft)		219			352			358			319	
Turn Bay Length (ft)												
Base Capacity (vph)		757			688			509			879	
Starvation Cap Reductn		0			0			0			0	
Spillback Cap Reductn		0			0			0			0	
Storage Cap Reductn		0			0			0			0	
Reduced v/c Ratio		0.60			0.53			0.39			0.40	

Intersection Summary			
Area Type:	Other		
Cycle Length: 94			
Actuated Cycle Length: 76.2			
Natural Cycle: 60			
Control Type: Semi Act-Uncoord			
Maximum v/c Ratio: 0.73			
Intersection Signal Delay: 27.4		Intersection LOS: C	
Intersection Capacity Utilization 80.8%		ICU Level of Service D	
Analysis Period (min) 15			

Splits and Phases: 4: Fox Chase Road & Cedar Road



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PLANNING COMMISSION
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SCOTT FRANCE, AICP
EXECUTIVE DIRECTOR

March 6, 2022

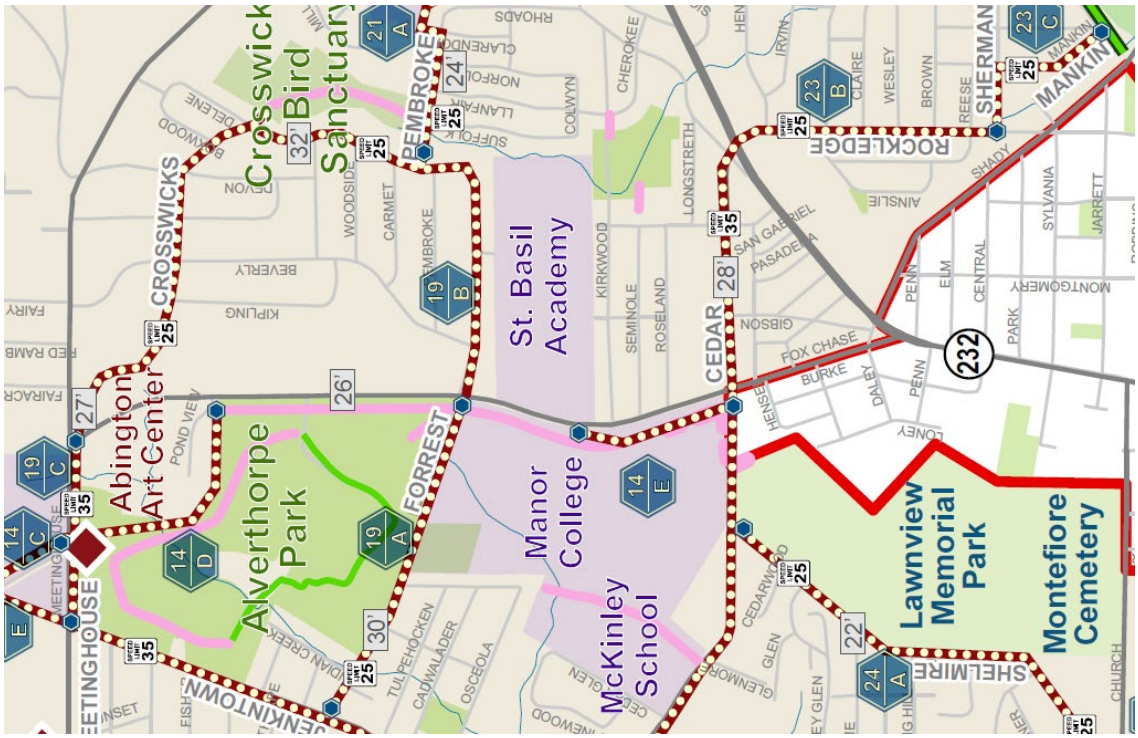
SUBJECT: Sketch Plan and Zoning Ordinance: Age-Restricted Carriage Homes on Fox Chase Road

TO: Rich Manfredi, Manager
Cc: Michael P. Clarke, Esq., Solicitor; Terry Castorina, Executive Assistant to the Township Manager

FROM: Mike Narcowich, AICP, Community Planning Assistant Manager
and Abington Township Planning Consultant

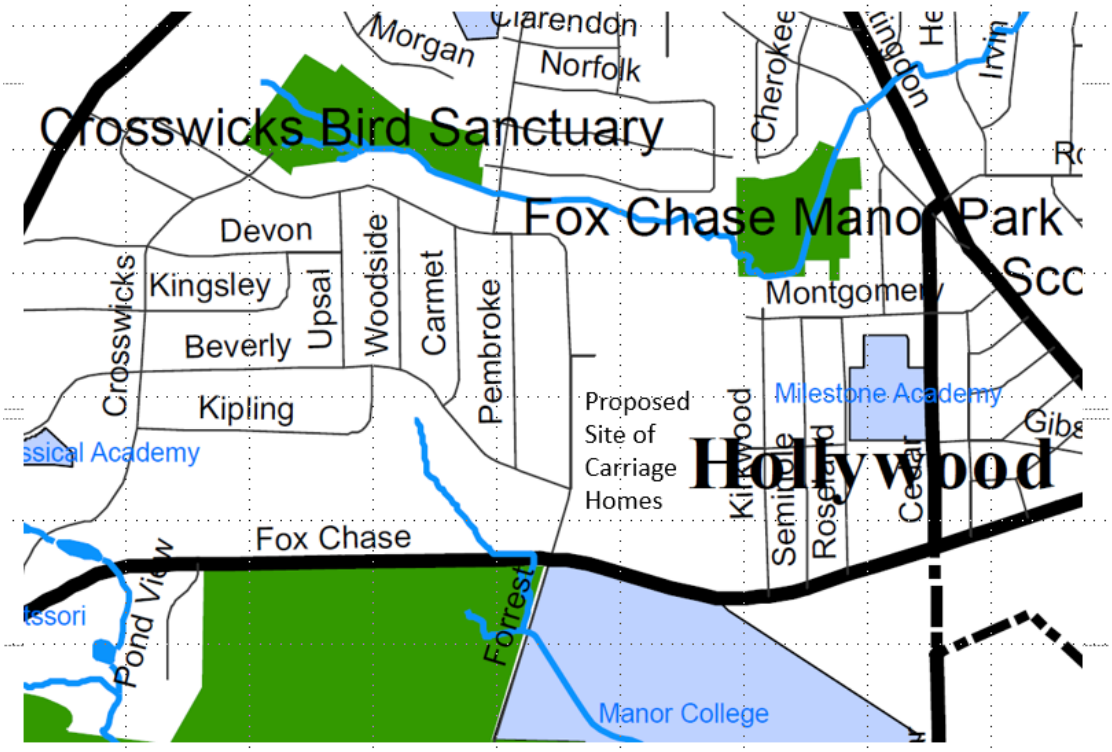
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1. Spot-Zoning. We defer to the solicitor, but to us, this appears to be a case of spot zoning. It would allow townhomes/carriage homes in an area that is not distinguishable from the surrounding area. Why not have the SNR Senior Neighborhood Residential zoning district apply to this site? The SNR allows a density of 3.2 dwelling units (DU) per acre; this proposal is for only slightly more (3.4 DU/Ac.).
2. Transportation and Parking.
    a. The street grid, including sidewalks, should be interconnected. There are existing streets that should be continued onto the site to strengthen the vehicular and pedestrian transportation network. This would improve access for residents and emergency vehicles, promote walking and healthy lifestyles, and make it easier to access the bus routes, amenities, and services on Huntingdon Pike.
    b. The curving road intersections appear as if they are intended to calm traffic. Calming traffic is a desirable goal, but this design appears unnatural and may be confusing and disruptive to traffic flow (example: intersection of Roads A and E).
    c. The Abington Township Master Bicycle Plan (see p.94) recommends that a bicycle route "14E-Manor College Trail Extension Shared Use Path" be added, that would connect the site to the Cedar Road bicycle route to the east (see map). The full route would connect McKinley Elementary to Seminole Road. It would consist of a 10-foot asphalt trail, wayfinding signage and bicycle crossing bollards.
    d. Parking. We should clarify parking requirements for this use. Subdivisions for the purposes of building townhouses require 2 spaces (not counting garages) plus ¼ space per unit for developments over 16 units.



3. Open Space.
    a. There is not enough usable open space.
    b. Open space is subject to the requirements of §2601.K.
        i. Open space shall be visible from dwellings and roadways.
        ii. Open space area must have safe and convenient pedestrian and maintenance access, without obstruction of an intervening lot(s), structures, fences, or other impediments.
        iii. No more than three noncontiguous areas may count towards the open space requirements.
    c. Guest parking should not be allowed in the open space.

d. Could a trail be located in the stream corridor? Eventually it might connect to Fox Chase Manor Park. Short, through-block trails might also be considered.



e. Proposed amendment, section 1712.C.: Land preserved for open space purposes shall be in compliance with Open Space Standards of the SALDO ~~for the~~ and Township Zoning Ordinance; provided however that …

f. The tract buffer seems unnecessarily large. We recommend locating a trail in the buffer.

4. Housing Types and Design.

a. Zoning's H-9 Townhouse Dwelling Unit (Single-Family Attached) Use should be used as a point of reference and should influence this text amendment. Some requirements from that use should be added to this text amendment. For example, the requirement that end units have side-loaded garages (intended to prevent a "snout house" development, with garages and driveways dominating the façade/front of house). There is a requirement that off-street parking spaces be located to the side or rear, and for a small planting strip to separate adjacent driveways. Internal townhouse units have a limit on the percentage (30%) of the front façade that the garage may occupy.

b. Types. We recommend the ordinance be more flexible regarding permitted unit types, so that more than simply townhomes are permitted. What about duplexes? Triplexes? Quadruplexes? Twins? Adding those uses would make the site more adaptable to changing real estate market conditions and housing unit type preferences.

c. Design.

i. Will there be room for street trees, interspersed throughout the development? Street trees are shown, but space appears limited. When sidewalks are added to the plans it may turn out that there is not room for some of the trees.

ii. Garages. The siting of the garages may create a façade dominated by garage doors. Are renderings available?

5. County Comprehensive Plan. The site lies in the "Suburban Residential Area" future land use category of MONTCO2040: A Shared Vision, the Comprehensive Plan for Montgomery County. This land use category says that appropriate landscaping and street trees should be provided by all developments, and that recreation facilities and central open space should be provided.

6. Landscaping.

a. Stormwater Basin. The basin along Fox Chase Road will be located in a prominent location, and should be sufficiently naturalized and landscaped.

b. Where the backs of two rows of homes abut one another, we recommend adding landscaping for buffering the homes and creating a greater sense of privacy and visual interest, similar to that behind units # 57-61.

c. The pool and clubhouse should be screened from units #140-143.

7. Riparian Corridor. The site is subject to the requirements of Article XV: the Riparian Corridor Conservation District. We recommend the boundaries of the corridor be designated on the plan.

8. Fiscal Impact Study. The township may wish to request a fiscal impact study from the applicant.

3100 Horizon Drive
Suite 200
King of Prussia, PA 19406
T: 610-277-2402
F: 610-277-7449

www.pennoni.com

March 7, 2022

ABINT17000.19

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

RE: 711 Fox Chase Road (Sisters of St. Basil the Great)
PARID: 30-00-22424-001 & 30-00-22420-005
Proposed Zoning Text Amendment Review

Dear Mr. Manfredi

We have received a copy of the 'Concept L' Plan dated January 19, 2022, as prepared by ESE Planning; a Traffic Impact Assessment dated February 10, 2022, as prepared by McMahon Associates, Inc.; and a draft Text Amendment for the site; as received on February 22, 2022 for the above referenced project.

Under this Application, the Applicant is proposing to amend the current CS - Community Service zoning district to establish a new AR - Age-Restricted Carriage Home Overlay District and Age-Restricted Carriage Home Dwelling Unit land use category.

The Applicant is seeking a future land development application to demolish the existing parochial school facility and associated parking lot and access drive; to construct 150 new age-restricted carriage dwellings with front facing 2-car garages; and associated driveways, curbing, sidewalks, a clubhouse with pool, parking, landscaping, stormwater facilities, and an internal roadway network that includes two (2) cul-de-sacs. Access to the site will be by way of a new 'Road A' accessed off of Fox Chase Road.

The entire site consists of approx. 46.37 acres and is located within the CS – Community Service Zoning District. The site is fronted by Fox Chase Road to the southwest; residential properties zoned in the R-2 – Low Medium Density Residential Zoning District to the north or northeast; residential properties zoned in the R-3 – Medium Density Residential Zoning District, as well as, the RC – Recreation/Conservation Zoning District, to the southeast; and residential properties zoned in the R-4 – High Density Residential Zoning District to the south. In addition, a tributary of the Pennypack Creek traverses from north to south within the eastern corner of the track. This tract is identified in Figure 15.2 as a parcel intersecting a Riparian Corridor.

In accordance with the FEMA, Flood Insurance Rate Map (FIRM) Panel No. 42091C0403G, effective March 2, 2016, the tract is identified to be primarily located within Zone X, an area outside the 0.2% chance flood and minimal flood hazard. However, the area where the Pennypack Creek tributary traverses the site is located within Flood Zone X, an area of 0.2% annual chance flood hazard, areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile.

We have been requested by the Township to perform a review of the text amendment and concept plan for the above referenced site. Based on our review of the Abington Township Zoning Ordinance for this submittal, we offer the following comments for your consideration:

CURRENT ZONING ORDINANCE COMMENTS

1. Per the Abington Comprehensive Use Matrix, Uses E-15-Senior Living Community and H-9 – Townhouse Dwelling Unit (Single-Family Attached) are not permitted uses within the CS – Community Service Zoning District. However, Use E-15-Senior Living Community is a permitted use within the SNR – Senior Neighborhood Residential Zoning District.

2. The Applicant has not provided the base zoning district on the concept plan.

PROPOSED ZONING TEXT AMENDMENT COMMENTS

3. The dimensional regulations align closely with the dimensional requirements as set forth in the SNR-Senior Neighborhood Residential Zoning District.

4. Section I.1. & Section I.2- The Applicant shall correct the referenced Section 2310 for Categories of Permitted Uses to Section 2103.

5. Section 1710.B. – Use Regulations – the following noted Accessory Uses for recreational use are permitted uses within the CS – Community Service and SNR – Senior Neighborhood Residential Zoning Districts as follows:
    a. Use A-6 – Clubhouse
    b. Use A-16 – Nonresidential Accessory Structure*
    c. Use A-18 - Outdoor Recreation, Uses Accessory to*
    d. Use A-24 – Swimming pool
    e. Use A-25 – Tennis/Sports Courts

    **Note: No determination indicated in the Comprehensive Matrix for the SNR Zoning District.*

    In addition, the entertainment uses noted for fitness center or indoor recreation are not permitted uses within the CS- Community Service and SNR – Senior Neighborhood Residential Zoning Districts. The Comprehensive matrix does not specify "dog park" and will be considered outdoor recreation.

6. In Figure 17.2 – AR - Age-Restricted Carriage Home Overlay District: Dimensional Requirements table for the minimum front yard setback, is missing the rest of the reference statement to reference the 30' dwelling setback from face of curb/edge of cartway.

7. In Figure 17.2 – AR - Age-Restricted Carriage Home Overlay District: Dimensional Requirements table for the maximum building dimension length is proposing 160'. The SNR maximum dimensional building length criteria is only 120'. To reduce the density of the site, we would suggest not changing the maximum length to 160' as proposed. In addition, since each carriage home is 30' wide and the proposed maximum number of carriage homes in a group is 5, the total length would add up to 150' rather than 160'. However, we would suggest keeping the existing SNR maximum dimensional building length criteria is only 120' to reduce the proposed density.

8. Section 1712.C – Open Space Requirements – Consider adding a restriction or distinction between the recreational and entertainment uses to the list of recreational uses proposed so that future development of recreational facilities overcrowd the intent of open spaces.

9. Use H-12.3 – A minimum lot size requirement should be defined, or this sentence line item should be removed.

10. Use H-12.4 – The minimum 24' wide carriage home width appears to be narrow for a carriage home. This appears to be more in line with a townhome width.

11. Use H-12.6 – The minimum 20' building separation is double the existing 10' SNR maximum dimensional building separation distance. However, should suggest 30' separation to align with residential cluster development guidelines.

12. We are concerned that this proposal may be subject to "spot zoning", however, we defer to the Township solicitor's office to confirm.

GENERAL COMMENTS

13. The proposed improvement to the site constitutes land development by definition. Therefore, this project would be subject to land development; and the Applicant shall be required to submit a land development application for land development approval in accordance with §149-9.

14. Additional stormwater bmps should be considered for the area along the southern tract abutting the residential properties zoned in the R-4 High Density Residential zoning district.

15. Traffic calming measures should be considered within the site due to the long stretches of straight roadway. However, clear sight triangles should be provided at the intersection of Road A at Road E and Road B at Road D due to the curved alignment at those locations.

16. Pedestrian accommodations, including marked crosswalks and signage should be provided as appropriate within the site.

17. A signage and pavement marking plan should be provided for the internal site roadways and intersections.

18. More parking may be needed at the clubhouse facility.

19. An off-road multi-use trail should be considered along the frontage of the property.

20. Due to the age-restricted nature of the proposed development, left-turn lanes should be provided on Fox Chase Road for traffic turning onto the main site entrance/Manor College driveway.

21. The signal at Fox Chase Road and the main site entrance/Manor College driveway must be fully modernized and including ADA compliant pedestrian facilities.

22. During the design process of the modernized traffic signal, a speed study should be conducted along Fox Chase Road to verify the need for dilemma zone protection and confirm sight distance requirements.

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

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FISCAL IMPACT ANALYSIS
Proposed St. Basil's Active Adult Development
Abington Township, Montgomery County

March 16, 2022

Prepared for:
Toll Brothers, Inc.

Prepared by:
David C. Babbitt, AICP
David C. Babbitt & Associates, LLC
P.O. Box 922
Frazer, PA 19355-0922
Phone 610-651-5717
www.babbittplanning.com
david@babbittplanning.com

Fiscal Impact Analysis

Proposed St. Basil's Development

Abington Township, Montgomery County

March 16, 2022

This report examines the annual fiscal impact to Abington Township and the Abington School District (ASD) of the St. Basil's active adult development proposed by Toll Brothers, Inc. The report examines the fiscal impact to the Township and School District during any given year after the completion of the proposed project and full occupancy, based on 2022 levels of revenue, expenditures, and taxation.

The proposed St. Basil's active adult development consists of 150 attached carriage homes, to be sold for an average price of $614,995. According to federal law, each unit in an age qualified development must house at least one person who is 55 years old or older, and no resident can be under the age of 18. Therefore, no school age children are projected to reside in the proposed development.

At buildout and full occupancy, the proposed development is projected to generate $92,249,250 in market value, $41,235,415 in assessed value, 209 residents, 0 school age children and 0 public school (ASD) students.

The table below shows the annual net fiscal impact (revenue minus expenditures) to the Township and School District of the proposed development. Below the table are sections on assessments, demographics, Township expenditures and revenue, and School District expenditures and revenue. At the end of this report are the spreadsheets for the Township and School District impact, which show the major expenditure and revenue categories for each entity. All cell addresses in the text refer to these spreadsheets.

Proposed Dwelling Type	Number of Units	Number of Residents	Annual Net Township Impact	Annual Net School District Impact	**Annual Net Combined Impact**	Annual Net Combined Impact per Unit
Carriage Homes	150	209	$332,698	$1,420,251	**$1,752,949**	$11,686

The annual net fiscal impact of the proposed development is projected to be highly favorable for the Township and School District, creating annual net surpluses for each entity. **The annual net combined fiscal impact for the proposed St. Basil's active adult development is projected to total positive (or surplus) $1,752,949, or positive $11,686 per unit.** The annual combined revenue is projected to exceed the annual combined expenditures by 3,410.4 percent.

In addition to the annual net impact figures shown in the table above, the proposed development will also generate one-time real estate transfer tax revenue from the initial sales of the units over the buildout period, projected to total $461,246 to each of the Township and School District.

There are three important reasons for the positive annual net fiscal impacts projected for the proposed St. Basil's age qualified development:

- First, the proposed development is comprised of smaller homes, which house fewer persons than four bedroom single family detached dwellings, the predominant dwelling type in the Township. The lower number of persons results in lower expenditures for the Township, which leads to annual surpluses.

- Second, the age restriction itself also results in fewer persons in the proposed units and no school age

children at all, eliminating all School District expenditures, as well as reducing Township expenditures on a per capita basis. The only impact of the proposed age qualified development on the School District is significant annual revenue of $1.4 million.

- Third, the proposed age qualified development consists of relatively high value homes, which generate considerable revenue in the real estate tax, earned income tax, and real estate transfer tax categories.

The combination of reduced Township expenditures and eliminated School District expenditures plus the high revenue results in annual net surpluses from the proposed age qualified development.

Assessments

The average market value (sales price) of the proposed carriage homes is projected to be $614,995 (cell C6). The total market value is determined by multiplying the number of units (150, cell B6) by the average market value per unit ($614,995, cell C6). The market value at buildout is projected to total $92,249,250 (cell D6).

The assessed value is determined by multiplying the market value ($92,249,250, cell D6) by the 2021-2022 Montgomery County common level ratio of 44.7 percent, from the Pennsylvania State Tax Equalization Board (cell D18). The assessed value at buildout is projected to total $41,235,415 (cell E6). This $41,235,415 in projected assessed value represents 1.0 percent of the total assessed value of all properties in Abington Township ($4,058,499,548, according to the Montgomery County *Land Use Classification Report* from the Board of Assessment, as of December 17, 2021, the most recent report available). Please note that the Montgomery County Board of Assessment will determine the actual assessments only when the proposed development is constructed and inspected.

Demographics

The number of persons per unit is projected to be 1.39 for the proposed carriage homes (cell F6). This demographic multiplier for age qualified development is from *Who Lives in New Jersey Housing?*, by David Listokin, Ioan Voicu, William Dolphin and Matthew Camp of the Rutgers University Center for Urban Policy Research (CUPR), November, 2006. In addition to the demographic multipliers for different dwelling types in the state of New Jersey (which were not used in this report), this document also presents demographic multipliers for age qualified developments in the northeastern United States, from the 2003 American Housing Survey of the U.S. Census Bureau. The multipliers are 1.57 persons per unit for all single family detached dwellings, 1.39 persons per unit for all attached dwellings (including twins, townhomes, carriage homes, etc.), and 1.20 persons per unit for all multifamily dwellings (including apartments). Please note that, unlike the Rutgers University CUPR demographic multipliers for standard development, these multipliers for age qualified development do not differentiate by dwelling size or value, only by dwelling type.

The number of persons projected to reside in the proposed development is determined by multiplying the number of units (150, cell B6) by the number of persons per unit (1.39, cell F6). The number of persons projected to reside in the proposed development at buildout and full occupancy totals 209 (cell G6).

The number of school age children per unit is projected to be 0.00 for the proposed age qualified development (cell F33 of the School District spreadsheet). The number of public school students is determined by multiplying the number of units (150, cell B33) by the number of school age children per unit (0.00, cell F33). The number of ASD students projected to reside in the proposed development at buildout and full occupancy is 0 (cell G33).

Annual Abington Township Expenditures

The Abington Township budget includes the following funds, shown in the table below with their respective 2022 expenditure totals:

Budget	Amount
Operating Funds	
General Fund	$42,597,990
Debt Service Fund	$521,371
Fire Fund	$3,156,349
Sewer Operations Fund	$7,572,199
Highway Aid Fund	$2,012,283
OPEB (Retirement) Fund	$1,407,640
Workers Comp Fund	$64,000
Refuse Fund	$5,843,665
Subtotal Operating Funds	**$63,175,497**
Capital Funds	
Sewer Operations Fund	$350,000
Fire Capital Fund	$1,073,521
Capital-Permanent Improvement Fund	$3,339,481
Refuse Capital Fund	$335,000
Sewer Capital Fund	$585,000
Subtotal Capital Funds	**$5,683,002**
American Rescue Plan (ARPA) Fund	$8,370,424
TOTAL	**$77,228,923**

In order to find a more accurate measure of the average annual expenditures for the proposed development, this analysis focuses on the regular, ongoing operating expenditures of the Township. Such operations are quantified in the following six funds, shown in the table below with their respective sums in the 2022 budget.

Fund	Amount
General Fund	$42,597,990
Debt Service Fund	$521,371
Fire Fund	$3,156,349
Highway Aid Fund	$2,012,283
OPEB (Retirement) Fund	$1,407,640
Workers Comp Fund	$64,000
Total Operating Funds	**$49,759,633**

The six operating funds total $49,759,633 in expenditures for 2022 (cell D19). These six funds cover

nearly all Township expenditures, including police general services (administration), culture and recreation administration, libraries, participant recreation, executive, code enforcement, traffic safety, financial administration, engineering services, tax collection, street lighting, solicitor and legal services, parks, general government building and plant, legislative, ambulance services, animal control, health insurance, insurance, unemployment, shade trees, repair of vehicles, IT networking services, community development and housing, fire protection, debt service, road maintenance, and other employee benefits.

The following funds are excluded from this analysis, because they are either capital funds, proprietary funds (including special revenue funds), or fiduciary funds:

- The Sewer Fund and Refuse Fund are proprietary funds, where revenue from previous fund balances, sewer rents and connection fees, and refuse fees are spent on sewage collection and disposal, and refuse collection and disposal. If the Township required additional revenue to cover costs in these funds, it would increase the fees in these funds, not taxes.

- The Sewer Operations Fund, Fire Capital Fund, Capital-Permanent Improvement Fund, Refuse Capital Fund, and Sewer Capital Fund are all capital funds, where revenue from previous fund balances, transfers from other funds, grants, and other sources is used to pay for capital expenditures such as vehicles, equipment, building improvements, etc.

- The American Rescue Plan Fund was created using proceeds from the federal American Rescue Plan Act of 2021, and is a mixed fund used to pay for operating and capital expenditures (such as the Township Building renovations). The vast majority of the money in this fund is projected to be expended in the next two years, and the annual expenditures in 2024 and beyond are projected to be minimal.

In order to find a more accurate measure of the average annual operating expenditures for future residents of the proposed development, three categories of funds are subtracted from the total 2022 operating expenditures of $49,759,633 (cell D19):

1. Pass-Through Funds. Pass-through funds are excluded because the proposed development will have no net impact on these funds, since revenue always equals expenditures. Pass-through funds that are excluded total $6,443,596 and are shown in the table below with their respective sums in the Township's 2022 budget.

Source	Fund	Budgeted Amount
State/County Snow Reimbursement	General	$156,541
Police Reimbursable Overtime	General	$292,505
Video Arraignment Process	General	$65,000
Beverage Licenses	General	$11,050
Rent of Property	General	$375,000
DEA Task Force	General	$100,000
Bodehits Fees	General	$5,000
Recyclable Materials	General	$2,000
Public Utility Realty Tax	General	$30,000
State Reimbursement Pension Plans	General	$1,530,000
Payment In-Lieu-Of	General	$665,000
Parks & Recreation Program Revenue	General	$710,000

Source	Fund	Budgeted Amount
Insurance Claims	General	$55,000
Cobra Reimbursement	General	$50,000
Refunds	General	$714,000
Fire Permits	Fire	$35,000
Fire Inspection Fees	Fire	$30,000
Health Costs Reimbursement	Retirement (OPEB)	$118,000
State Liquid Fuels Grant	Highway Aid	$1,499,500
TOTAL		**$6,443,596**

2. Development Related Funds. The other pass-through category is charges related to the processing and administration of proposed subdivisions and land developments in the Township, shown in the table below with their respective sums in the Township's 2022 budget (all are in the General Fund).

Source	Budgeted Amount
Building Permits	$1,000,000
Plumbing Permits	$70,000
Engineering Permit Fees	$160,000
TOTAL	**$1,230,000**
90 Percent Subtracted	**$1,107,000**
10 Percent as Miscellaneous Revenue	**$123,000**

Development related revenue is excluded because it is in essence a one-time pass-through fund for specific functions normally associated with new development. For example, the building permit revenue will be expended on building inspections and the administration of those permits while a development is under construction, not on other functions associated with the time after a development is completed. Once a development is completed, the revenue and expenditures for such permits and application fees decrease significantly, but not completely. Ninety percent of the 2022 development related pass-through funds of $1,230,000 (or $1,107,000) is excluded from the total expenditures. Only 90 percent of the development related funds is excluded from the expenditure analysis, in acknowledgment that there will still be some expenditures on subdivisions and land developments once they are complete, for things like building renovations and inspections for violations. Please note that in the revenue analysis, below, only 10 percent of the revenue from development related funds (or $123,000) is included in the category of miscellaneous revenue.

3. Interfund Transfers. The following transfers between funds totaling $1,239,640 are excluded.

Source	Budgeted Amount
General Fund to Retirement (OPEB) Fund	$1,045,355
Sewer Fund to Retirement (OPEB) Fund	$116,000
Refuse Fund to Retirement (OPEB) Fund	$78,285
TOTAL	**$1,239,640**

The transfer from the General Fund to the Retirement Fund is excluded in order to avoid double

counting the same funds, since both the source and destination funds are included in this analysis. The transfers from the Sewer Fund and Refuse Fund to the Retirement Fund are excluded because they represent costs associated with those two proprietary funds, which are excluded.

The 2022 excluded pass-through funds, development related funds and interfund transfers total $8,790,236 (cell D20). The 2022 net Township operating expenditures (minus pass-through funds, development related funds and interfund transfers) are $40,969,397 (cell D21). Please note that just as the expenditures for the above funds are not included in the expenditure calculations of this section, the revenue from these sources is also not included in the revenue analysis, below.

Then, the Township expenditures associated with existing nonresidential development are subtracted from the net expenditures using the "proportional valuation method" of *The New Practitioner's Guide to Fiscal Impact Analysis*, by Robert W. Burchell, David Listokin, and William R. Dolphin, Rutgers Center for Urban Policy Research, 1985. First, a portion of the total Township expenditures is assigned to existing nonresidential development, based on the average value of property. According to the Montgomery County Board of Assessment *Land Use Classification Report* as of December 17, 2021, the total assessed value of the 20,088 properties in Abington Township was $4,058,499,548, yielding an average assessed value of $202,036. Of those properties, 1,085 were nonresidential (commercial, industrial, institutional, utility, etc., whether taxable or exempt), with a total assessed value of $1,190,772,880 (representing 29.3 percent of the Township total), and an average assessed value of $1,097,487.

The proportion of average nonresidential assessed value to average Township assessed value (residential and nonresidential combined) is 5.43, which is then used to determine the refinement coefficient of 1.05 from a graph in *The New Practitioner's Guide.* The refinement coefficient is based on empirical research by the Rutgers University CUPR, and is necessary to adjust the costs of existing nonresidential development in communities without extensive nonresidential development of very high average assessed value, such as Abington Township. By comparison, in communities where the ratio between the average nonresidential assessment and the average overall assessment is above 6, an economy of scale reduces the nonresidential expenditures on a per square foot basis, and the refinement coefficient is below 1.00.

The proportion of Township assessed value in nonresidential uses (29.3 percent) is then multiplied by the refinement coefficient of 1.05, and by the 2022 net Township operating expenditures of $40,969,397 (cell D21). The result of this calculation is that $12,621,539 of the net Township operating expenditures (representing 30.8 percent) is attributable to existing nonresidential development (cell D22). This sum is subtracted from the 2022 net Township operating expenditures ($40,969,397, cell D21), and the remainder ($28,347,858 in expenditures attributable to existing residential development, cell D23) is divided by the estimated number of Township residents in 2022, which is 59,140 (cell I18). The estimated number of Township residents is determined by taking the 2020 U.S. Census count of 58,502 and adding two years' worth of the average annual increase between 2010 and 2020 (3,192 over those ten years, or 319 additional residents per year and 638 over two years) to find the current 2022 estimate of 59,140. The per capita Township operating expenditures attributable to existing standard residential development are $479.33 (cell D24).

On average, residents of an age qualified development generate far lower Township expenditures when compared to residents of standard housing. A study by the Del Webb corporation (the industry leader in age qualified development) estimated that its Sun City Grand development in Surprise, Arizona near Phoenix imposed lower demands on most municipal services when compared to standard housing, in numerous demand categories (as cited in *Developing Active Adult Retirement Communities*, by Diane R. Schuman, et. al., The Urban Land Institute, 2001, pp. 21-26). The table below shows each of the eight demand categories studied; for each category, the table shows the 2022 Abington Township expenditure (if any), and the modified expenditure, which is the Township expenditure multiplied by the percent of level of demand imposed by age qualified developments.

Demand Category	Level of Demand	Budgeted Expenditure	Modified Expenditure
Traffic volume	33%	$0	$0
Street maintenance	35%	$7,393,213	$2,587,625
Water consumption	60%	$0	$0
Wastewater generation	74%	$0	$0
Solid waste generation	67%	$0	$0
Police protection	25%	$23,021,730	$5,755,433
Fire protection services	33%	$3,156,349	$1,041,595
Emergency medical services	110%	$187,500	$206,250
Total		$33,758,792	$9,590,902
Difference			$24,167,890
Minus Pass-Thru (17.7%)		$4,269,353	$19,898,536
Residential Share (69.2%)		$6,130,189	$13,768,347
Difference per Capita			$232.81

Other than emergency medical services (for which the Abington Township budget has very limited expenditures), an age qualified facility has far lower expenditure impacts compared to other housing. The area of greatest expenditure in Abington Township – police protection – is the precise area in which an age qualified development's expenditure is significantly lower than that of standard housing. Please note that all road maintenance expenditures are in the Street Maintenance category, instead of the Traffic Volume category, since the former is slightly higher, resulting in a more conservative (and higher) annual expenditure.

The difference between the total Township expenditures for the listed demand categories ($33,758,792) and the modified Township expenditures ($9,590,902) is $24,167,890. This figure is then further modified to account for the pass-through funds, development related funds and interfund transfers by subtracting 17.7 percent (or $4,269,353), similar to the total Township expenditures (see above). Of the remaining $19,898,536 in expenditures, 30.8 percent (or $6,130,189) is attributable to existing nonresidential development and only 69.2 percent (or $13,768,347) is attributable to existing residential development. The resulting $13,768,347 represents the difference between the Township expenditures for these Township functions for standard housing versus age qualified housing. This figure is then divided by the estimated 2022 Township population of 59,140 (cell I18) to find a per capita difference of $232.81. This figure is then subtracted from the Township per capita expenditure for standard development ($479.33, cell D24) to find the Township per capita expenditure for age qualified development ($246.52, cell D25).

This per capita figure of $246.52 (cell D25) is then applied to the number of persons projected to reside in the proposed age qualified development at buildout and full occupancy (209, cell G6) to find the total annual Township expenditures of $51,400 (cell H6) or $343 per unit (cell I6).

Annual Abington Township Revenue

The annual Township revenue is determined by adding the following sources:

- Real estate tax revenue, based on the 2022 Township tax rate of 5.922 mills (cell I19) applied to the projected assessed value of the proposed development ($41,235,415, cell E6). The 2022 millage rates of the operating funds are shown in the table below.

Fund	Millage Rates
General Levy	
General Purposes	3.787
Fire	0.920
Library	0.430
Parks & Recreation	0.250
Special Levy	
Ambulance	0.050
Debt Service	0.155
Retirement (OPEB)	0.330
TOTAL	**5.922**

The annual real estate tax revenue is projected to total $244,196 (cell B11). Please note that the this one revenue source exceeds the total projected annual Township expenditures ($51,400, cell H6) by $192,796 or 375 percent.

- Earned income tax revenue, based on the tax rate of 0.5 percent applied to the household income of residents, which is calculated by multiplying the monthly housing costs, including a combination of real estate taxes, insurance, homeowners association fees and mortgage costs, as shown in the table below.

Proposed Dwelling Type	Monthly RE Taxes	Monthly Insurance	Monthly HOA Fee	Monthly Mortgage	Minimum Annual Income
Age Qualified Carriage Homes	$976	$90	$250	$2,595	$187,720

The monthly real estate taxes are based on the combined Township plus School District plus County (including Community College) tax rate of 42.6040 mills. Insurance costs are assumed to be $90 per month. HOA fees are projected to be $250 per month. The mortgage costs are based on the conforming rate of 3.85 percent, according to the March 10, 2022 Primary Mortgage Market Survey by Freddie Mac (available on www.freddiemac.com). The minimum annual household income is determined by adding all the monthly housing costs and dividing by 28 percent, according to Fannie Mae criteria that no more than 28 percent of annual household income be used for housing costs. The minimum annual household income necessary to pay for the real estate taxes, insurance, HOA fees and mortgage is projected to be $187,720. To determine the annual earned income tax revenue, this minimum annual household income figure is multiplied by the number of units (150, cell B6) and by the Township tax rate of 0.5 percent. This revenue is then reduced by 50 percent to reflect the likelihood that many residents of the proposed age qualified development will be retired and have no earned income, though they may have interest or dividend income, which is not subject to the earned income tax. This revenue is then further reduced by subtracting 25.1 percent (cell I20), representing the percentage of Abington Township residents working in the City of Philadelphia and therefore paying the City wage tax and not paying the Township's earned income tax, from the 2019 American Community Survey of the U.S. Census Bureau, which reported 7,080 residents working in the City of Philadelphia out of 28,175 working residents. The annual earned income tax revenue is projected to total $52,706 (cell C11). Please note that this one revenue source offsets the projected annual Township expenditures of $51,400 (cell H6). Finally, please note that the household income level shown here is the minimum income levels necessary to afford the proposed homes. Most households will have higher levels of income, which will result in higher levels of annual Township earned income tax revenue.

- Real estate transfer tax revenue, based on the market value of the units ($614,995, cell C6) multiplied by the number of units (150, cell B6), multiplied by the projected annual housing turnover rate of 15 percent for the carriage homes (cell I21), and multiplied by the Township's tax rate of 0.5 percent of market value. The annual real estate transfer tax revenue is projected to total $69,187 (cell D11). Please note that this annual revenue figure does not include the one-time real estate transfer tax revenue from the initial sales of the units over the buildout period, projected to total $461,246 (cell A26). Once again, please note that the projected annual real estate transfer tax revenue exceeds the projected annual Township expenditures of $51,400 (cell H6).

- Franchise fee and miscellaneous revenue. The franchise fee and miscellaneous revenue is based on the Township's budgeted revenue from these sources ($1,248,000 comprised of $1,125,000 in franchise fee revenue and $123,000 in development related revenue, representing 10 percent of the total revenue in this category associated with existing and not new development, which is $1,230,000; see the expenditure analysis, above) divided by the 2022 estimated number of units in the Township (23,192, cell I22), and that per unit revenue of $53.81 (cell I23) is applied to the number of units in the proposed development (150, cell B6). The estimated number of 23,192 units in the Township is determined by taking the 2020 U.S. Census count of 23,055 and adding two years' worth of the average annual increase between 2010 and 2020 (686 over those ten years, or 68.6 additional units per year and 137 over two years). The annual franchise fee and miscellaneous revenue is projected to total $8,072 (cell E11).

- Liquid fuels revenue, based on PennDOT's 2022 per person revenue of $17.5304 (cell I24) applied to the number of persons projected to reside in the proposed development at buildout and full occupancy (209, cell G6). The annual liquid fuels revenue is projected to total $3,655 (cell F11). No subsidy per mile is projected from the proposed development, because the proposed roads are projected to be owned and maintained by the homeowners associations and not the Township.

- Interest earnings, based on the projected assessed value of the proposed development ($41,235,415, cell E6) divided by the Township's total taxable assessed value ($3,386,399,113, according to the Montgomery County Board of Assessment *Land Use Classification Report*), and multiplying by the Township's revenue from interest earnings in the 2022 budget, totaling $516,000 and shown in the table below. The annual interest earnings are projected to total $6,283 (cell G11).

Fund	Interest Earnings
General Fund	$250,000
Retirement (OPEB) Fund	$250,000
Highway Aid Fund	$16,000
TOTAL	**$516,000**

The annual Township revenue from all sources is projected to total $384,099 (cell H11), or $2,561 per unit (cell I11). The annual net Township impact (revenue minus expenditures) is projected to total positive $332,698 (cell B15) or positive $2,218 per unit (cell C15). Annual revenue is projected to exceed annual expenditures by 647.3 percent (cell D15). Overall, annual revenue is projected to be more than six times annual expenditures.

Annual Abington School District Expenditures

The number of units (150, cell B33 of the School District spreadsheet), average market value per unit ($614,995, cell C33), total market value ($92,249,250, cell D33), and total assessed value ($41,235,415, cell E33) are the same as for the Township impact, above. As noted above, the proposed St. Basil's Development is age qualified and is therefore projected to generate 0 school age children per unit (cell

F33) and 0 public school (ASD) students overall (cell G33).

The 2021-2022 Abington School District General Fund budgeted expenditures total $176,932,262 (cell D46). The following pass-through funds are subtracted from this total:

Pass-Through Fund	Budgeted Amount
Public Utility Realty Tax	$113,650
Revenue from Intermediary Sources	$1,162,542
Rentals	$40,000
Tuition from Patrons	$20,000
TOTAL	**$1,336,192**

The pass-through funds total $1,336,192 (cell D47), with the remaining School District net expenditures totaling $175,596,070 (cell D48). This figure is then divided by the current 2021-2022 District-wide enrollment of 8,292 students (cell D49, from the School District web site) to find the 2021-2022 ASD net expenditure of $21,177 per student (cell D50). This per student expenditure is applied to the number of students projected to attend public schools from the proposed development at buildout and full occupancy (0, cell G33). The annual School District expenditures are projected to total $0 (cell H33), or $0 per unit (cell I33).

Annual Abington School District Revenue

The annual School District revenue is determined by adding the following sources:

- Real estate tax revenue, based on the School District's 2021-2022 tax rate of 32.7200 mills (cell I45) applied to the projected assessed value of the proposed development ($41,235,415, cells E33). Subtracted from this revenue total is the District's homestead exclusion at $10,765 of assessed value per unit (cell I47) applied to the number of units in the proposed development (150, cell B33). The proposed homestead exclusion is projected to subtract $352.23 per unit and $52,835 overall from the total real estate tax revenue. The annual School District real estate tax revenue is projected to total $1,296,388 (cell B38).

- Earned income tax revenue, determined using the same method as was used for the Township impact, above. The annual earned income tax revenue is projected to total $52,706 (cell C38).

- Real estate transfer tax revenue, determined using the same method as was used for the Township impact, above. The annual real estate transfer tax revenue is projected to total $69,187 (cell D38). As noted above, this annual revenue figure does not include the one-time real estate transfer tax revenue to the School District from the initial sales of the units over the buildout period, projected to total $461,246 (cell A51).

- State and Federal revenue, based on the 2021-2022 ASD budgeted revenue from those sources totaling $43,699,263 divided by the 2021-2022 ASD enrollment of 8,292 (cell D49), and that $5,270 subsidy per public school student (cell I48) is applied to the projected number of students from the proposed development (0, cell G33). The annual state and federal revenue is projected to total $0 (cell E38).

- Earnings on investments, based on the projected assessed value of the proposed development ($41,235,415, cell E33) divided by the School District's total taxable assessed value ($3,558,245,783, according to the 2021-2022 ASD budget), and multiplying by the School District's 2021-2022 revenue

from earnings on investments in the budget ($170,000, cell I49). The annual earnings on investments are projected to total $1,970 (cell F38).

The annual School District revenue from all sources is projected to total $1,420,251 (cell G38) or $9,468 per unit (cell I38). The annual net School District impact (revenue minus expenditures) is projected to total positive $1,420,251 (cell B42) or positive $9,468 per unit (cell C42). Since there are no School District expenditures associated with the proposed age qualified development, every dollar of the annual $1,420,251 in revenue becomes surplus.

ANALYSIS OF THE ANNUAL FISCAL IMPACT TO ABINGTON TOWNSHIP

Of the Proposed St. Basil's Active Adult Development

March 16, 2022

Proposed Dwelling Type	Number of Units	Average Price per Unit	Total Market Value	Total Assessed Value	Persons per Unit	Total Persons	**Annual Township Expenditures**	Expenditures per Unit
Carriage Homes	150	$614,995	$92,249,250	$41,235,415	1.39	209	**$51,400**	$343

Annual Township Revenue

Proposed Dwelling Type	Real Estate Tax	Earned Income Tax	Real Estate Transfer Tax **	Franchise Fee & Misc. Revenue	Liquid Fuels Revenue	Interest Earnings	**Total Annual Revenue**	Revenue per per Unit
Carriage Homes	$244,196	$52,706	$69,187	$8,072	$3,655	$6,283	**$384,099**	$2,561

Proposed Dwelling Type	**Annual Net Township Revenue**	Net Township Revenue per Unit	Revenue > Expenditure
Carriage Homes	**$332,698**	$2,218	647.3%

NOTES:

2021-2022 STEB Common Level Ratio (Market Value to Assessed Value)	44.7%	2022 Township Population Estimate	59,140
2022 Township Operating Expenditures (6 Funds)	$49,759,633	2022 Township Real Estate Tax Millage (7 Funds)	5.922
Minus 2022 Pass-Through and Excluded Expenditures	$8,790,236	Pct. of Twp. Residents Working in Phila. (2019 ACS)	25.1%
2022 Net Township Operating Expenditures	$40,969,397	Annual Housing Turnover Rate (SFA)	15%
2022 Township Non-Residential Expenditures 30.8%	$12,621,539	2022 Township Housing Unit Estimate	23,192
2022 Township Residential Expenditures	$28,347,858	2022 Township Franchise Fee & Misc. Revenue per Unit	$53.81
2022 Township per Capita Expenditure (Standard Development)	$479.33	2022 State Liquid Fuels Revenue per Capita	$17.5304
2022 Township per Capita Expenditure (Age Qualified Development)	$246.52	2022 Township Interest Earnings	$516,000

** Does not include the real estate transfer tax revenue from the initial sales of the units, or $461,246 over the buildout period.

ANALYSIS OF THE ANNUAL FISCAL IMPACT TO THE ABINGTON SCHOOL DISTRICT

Of the Proposed St. Basil's Active Adult Development

March 16, 2022

Proposed Dwelling Type	Number of Units	Average Price per Unit	Total Market Value	Total Assessed Value	School Age Children per Unit	ASD Students	**Annual School District Expenditures**	Expenditures per Unit
Carriage Homes	150	$614,995	$92,249,250	$41,235,415	0.00	0	**$0**	$0

	Annual School District Revenue						
Proposed Dwelling Type	Real Estate Tax Minus Homestead Excl.	Earned Income Tax	Real Estate Transfer Tax **	State & Federal Revenue	Earnings on Investments	**Total Annual Revenue**	Revenue per Unit
Carriage Homes	$1,296,388	$52,706	$69,187	$0	$1,970	**$1,420,251**	$9,468

Proposed Dwelling Type	**Annual Net School District Revenue**	Net School District Revenue per Unit	Revenue > Expenditure
Carriage Homes	**$1,420,251**	$9,468	--

NOTES:

2021-2022 STEB Common Level Ratio (Market Value to Assessed Value)	44.7%	2021-2022 ASD Real Estate Tax Millage	32.7200
2021-2022 ASD Total Expenditures	$176,932,262	Annual Housing Turnover Rate (SFA)	15%
Minus Pass-Through Expenditures	$1,336,192	2021-2022 ASD Homestead Exclusion per Unit	$10,765
2021-2022 ASD Net Expenditures	$175,596,070	2021-2022 ASD State/Federal Revenue per Student	$5,270
2021-2022 ASD Student Enrollment	8,292	2021-2022 ASD Earnings on Investments	$170,000
2021-2022 ASD Net Expenditure per Student	$21,177		

** Does not include the real estate transfer tax revenue from the initial sales of the units, or $461,246 over the buildout period.

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

SCOTT FRANCE, AICP
EXECUTIVE DIRECTOR

March 31, 2021

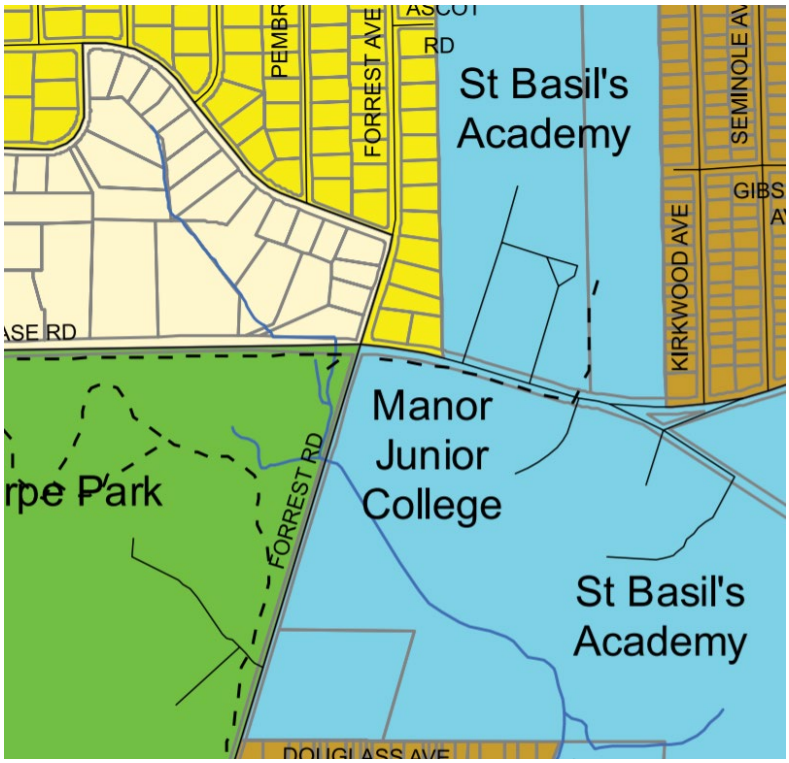
SUBJECT: 1. Proposed E-18 University Campus Use and Effects on Manor College
2. Ownership Status of R-1 Properties Eligible for E-18 Use

TO: Rich Manfredi, Manager

FROM: Mike Narcowich, AICP, Assistant Section Chief: Community Planning
Abington Township Planning Consultant

I took a look at how the proposed E-18 University Campus Use zoning text amendment would affect Manor College.

1. Applicability to Properties Zoned R-1 Low-Density Residential: Regarding the provision to allow faculty housing in the R-1 District, it seems as if it (most likely) does not apply to Manor College. Since the only R-1 use near Manor College lies diagonally opposite the college, across the intersection of Fox Chase Road and Forrest Road, and the proposed zoning text amendment says *"Properties zoned R1 Low Density Residential with existing houses owned by the college or university which (1) abut the college or university campus or* ***(2) which are separated by a public or private***



street *may be used for faculty housing by conditional use.*" To me, that means that this provision would not be applicable to Manor College, although I suppose it could be argued that one 0.84 acre lot on the corner of Fox Chase Road and Forrest Road would be eligible

I have a couple questions for Michael: (1) Do you feel that the R-1 lot on Forrest and Fox Chase would be eligible? (2) Just to do our due diligence, if that lot is not eligible, does that mean that the proposed zoning text amendment, which would then seem only to apply to PSU-Abington at present, would run a risk of being spot zoning?

2. Regarding the following paragraph, we should consider whether we want this changed as follows (it occurs to me that there may be confusion over whether "owned by the college or university" applies to the "properties" or "existing houses":

> *Properties zoned R1 Low Density Residential with existing houses <u>that are, at time of the adoption of this zoning text amendment,</u> owned by the college or university which (1) abut the college or university campus or (2) which are separated by a public or private street may be used for faculty housing by conditional use. This includes temporary housing for visiting professors and scholars, and administrative functions, including, but not limited to development, alumni relations, business office, and admissions. Administrative functions shall be limited to the first floor. These uses shall not exceed 140,000 square feet of property and a maximum of two structures.*

3. From MCPC Peer Review: In the interest of transparency, the provision to extend CS regulations into the R-1 District should be evident in the R-1 District. I suggest adding a mark in the Use Matrix where R-1 District and University Campus use intersect, linked to a footnote explaining when CS regulations may affect the R-1 District.

4. From MCPC Peer Review: It is recommended that there not be limitations on which floor office uses can be located on when located in a property in the R-1 District. The building may function better without such limitations, and there should be no negative effect on neighboring properties.

5. From MCPC Peer Review: It is recommended that it be clarified whether CS or R-1 regulations apply to the R-1 property, when such property is included in a University Campus use.



PROPERTY DATA:

TOTAL SITE AREA:	± 46.37 AC
60' ROW AREA:	± 0.62 AC
GROSS SITE AREA:	± 45.75 AC

PROPOSED DATA BASED ON GROSS SITE AREA:

PROPOSED PERIMTER SETBACKS:	
FRONT:	100'
SIDE:	125'
REAR:	125'
PROPOSED INTERNAL FRONT SETBACKS (FROM FACE OF CURB):	30'
PROPOSED BUILDING COVERAGE:	±7.5 AC (16%)
PROPOSED IMPERVIOUS COVERAGE:	±13.8 AC (30%)
PROPOSED OPEN SPACE:	±23.3 AC (51%)
PROPOSED DENSITY:	150 DU (3.3 DU/AC)
PROPOSED BUILDING HEIGHT:	<35'
PROPOSED BUILDING LENGTH:	150'
PROPOSED BUILDING SEPARATION:	25'

SOURCES:

1. THIS PLAN IS THE EXCLUSIVE PROPERTY OF ESE CONSULTANTS INC., AND TOLL BROTHERS INC. ALL RIGHTS AND REMEDIES ARE HEREBY RESERVED. THIS PLAN MAY NOT BE REPRODUCED OR DISTRIBUTED IN ANY WAY WITHOUT THE WRITTEN CONSENT OF ESE CONSULTANTS INC., AND TOLL BROTHERS INC.
2. AERIAL PHOTOGRAPH PROVIDED BY: MONTGOMERY COUNTY AERIAL IMAGES DATED: 2010.
3. TOPOGRAPHIC INFORMATION PROVIDED BY: PAMAP PROGRAM -3.2' DIGITAL ELEVATION MODEL 2006-2008 DCNR - PASDA DATE ACCESSED: 01.25.2019.
4. FLOODPLAIN LOCATION TAKEN FROM FEMA COMMUNITY PANEL: 403 OF 451 MONTGOMERY COUNTY PA DATED: MARCH 2, 2016.
5. SOILS INFORMATION TAKEN FROM NATURAL RESOURCE CONSERVATION SERVICES.
6. PENNYPACK CREEK TRIBUTARY CLASSIFIED AS A TROUT STOCKING WATER RESOURCE ACCORDING TO PA DEP.
7. PARCEL BOUNDARY AND ADDTIONAL SITE INFORMATION TAKEN FROM PLAN OF SURVEY LANDS N/F SISTERS OF ST. BASIL THE GREAT BY NAVE NEWELL DATED 3.17.21.
8. ALL BASE INFORMATION IS CONSIDERED PRELIMINARY AND SUBJECT TO FIELD VERIFICATION AND SURVEY. SITE PLAN MAY VARY PENDING MORE ACCURATE INFORMATION.

TYPICAL DIMENSIONS

SCALE: 1" = 50'

LIBERTY COLLECTION

CAREY, RADLEY, AND VINLAND
2,000 SF LIVING AREA
SCALE: N.T.S.

LEGEND:

FLOODPLAIN | STEEP SLOPES (15-25%) | STEEP SLOPES (>25%) | OPEN SPACE ±23.3 AC (51%) | STREAM

ESE PLANNING

NORTH

FEET
100 0 50 100 200
GRAPHIC SCALE 1 inch = 100 ft.

CONCEPT "L"
150 ACTIVE ADULT CARRIAGE HOMES
SISTERS OF ST. BASIL
ABINGTON TOWNSHIP, MONTGOMERY COUNTY, PA

PLAN SUMMARY

(150) TOTAL DWELLINGS

±3,925 LF OF CARTWAY
±285 LF OF BOULEVARD
±330 LF OF EMERGENCY ACCESS

±2.9 AC STORM WATER**

PROP. ZONING DISTRICT TBD

**INCLUDED IN OPEN SPACE CALCULATION

SITE DATA:

ADDRESS: 711 FOX CHASE ROAD, JENKINTOWN, PA 19046

PARCEL(S): 30-00-22424-001
30-00-22420-005

SITE AREA: ± 45.75 AC

CURRENT ZONING: COMMUNITY SERVICE

OFFICE DATA:

PROJECT NUMBER: 7662
DATE: 2022.01.19
SCALE: 1" = 100'
DRAWN BY: EED

MONTGOMERY COUNTY
BOARD OF COMMISSIONERS
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MONTGOMERY COUNTY
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WWW.MONTCOPA.ORG

SCOTT FRANCE, AICP
EXECUTIVE DIRECTOR

March 6, 2022

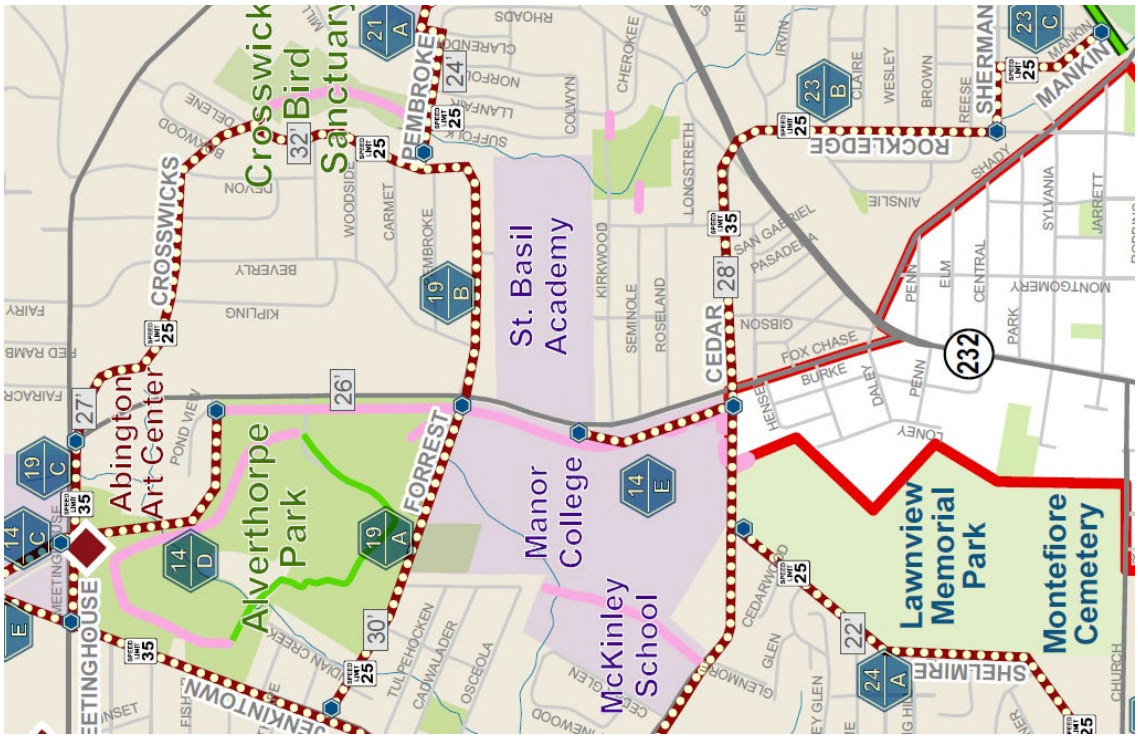
SUBJECT: Sketch Plan and Zoning Ordinance: Age-Restricted Carriage Homes on Fox Chase Road

TO: Rich Manfredi, Manager
Cc: Michael P. Clarke, Esq., Solicitor; Terry Castorina, Executive Assistant to the Township Manager

FROM: Mike Narcowich, AICP, Community Planning Assistant Manager
and Abington Township Planning Consultant

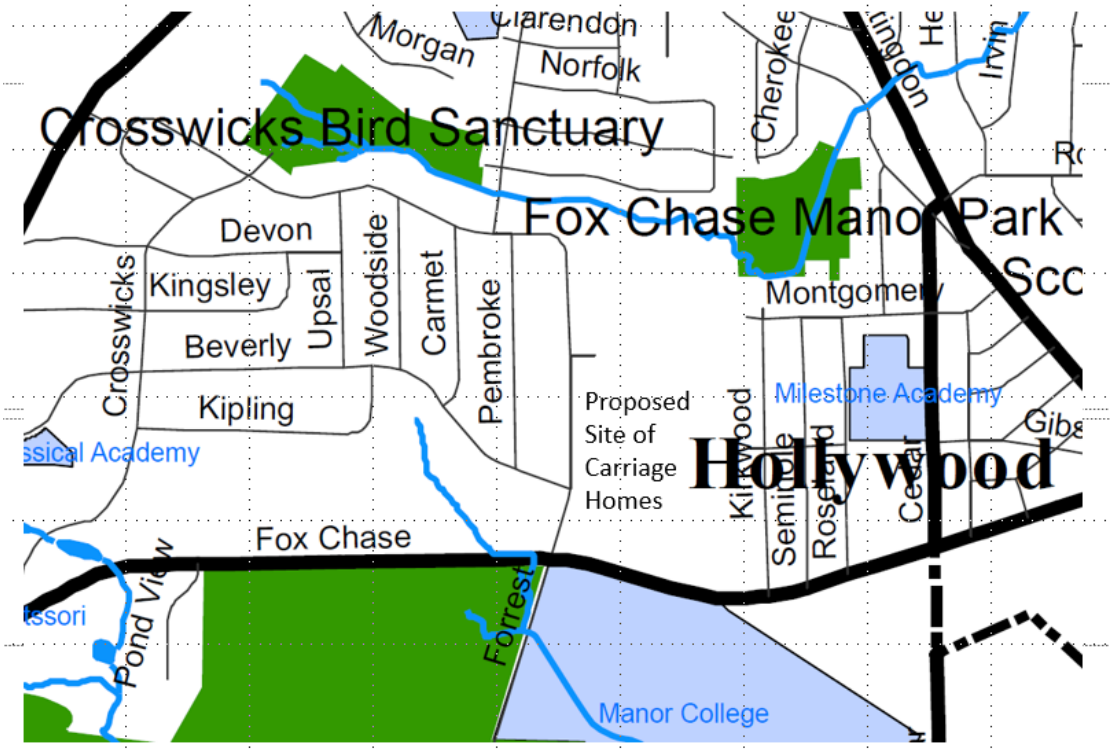
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1. Spot-Zoning. We defer to the solicitor, but to us, this appears to be a case of spot zoning. It would allow townhomes/carriage homes in an area that is not distinguishable from the surrounding area. Why not have the SNR Senior Neighborhood Residential zoning district apply to this site? The SNR allows a density of 3.2 dwelling units (DU) per acre; this proposal is for only slightly more (3.4 DU/Ac.).
2. Transportation and Parking.
    a. The street grid, including sidewalks, should be interconnected. There are existing streets that should be continued onto the site to strengthen the vehicular and pedestrian transportation network. This would improve access for residents and emergency vehicles, promote walking and healthy lifestyles, and make it easier to access the bus routes, amenities, and services on Huntingdon Pike. ADDITION: It also strengthens community. Abingtonians want to have safe and comfortable walking options.
    b. The curving road intersections appear as if they are intended to calm traffic. Calming traffic is a desirable goal, but this design appears unnatural and may be confusing and disruptive to traffic flow (example: intersection of Roads A and E).
    c. The Abington Township Master Bicycle Plan (see p.94) recommends that a bicycle route "14E-Manor College Trail Extension Shared Use Path" be added, that would connect the site to the Cedar Road bicycle route to the east (see map). The full route would connect McKinley Elementary to Seminole Road. It would consist of a 10-foot asphalt trail, wayfinding signage and bicycle crossing bollards.
    d. Parking. We should clarify parking requirements for this use. Subdivisions for the purposes of building townhouses require 2 spaces (not counting garages) plus ¼ space per unit for developments over 16 units.



3. Open Space.
    a. There is not enough usable open space.
    b. Open space is subject to the requirements of §2601.K.
        i. Open space shall be visible from dwellings and roadways.
        ii. Open space area must have safe and convenient pedestrian and maintenance access, without obstruction of an intervening lot(s), structures, fences, or other impediments.
        iii. No more than three noncontiguous areas may count towards the open space requirements.
    c. Guest parking should not be allowed in the open space.

d. Could a trail be located in the stream corridor? Eventually it might connect to Fox Chase Manor Park. Short, through-block trails might also be considered.



e. Proposed amendment, section 1712.C.: Land preserved for open space purposes shall be in compliance with Open Space Standards of the SALDO ~~for the~~ and Township Zoning Ordinance; provided however that …

f. The tract buffer seems unnecessarily large. We recommend locating a trail in the buffer.

4. Housing Types and Design.

a. Zoning's H-9 Townhouse Dwelling Unit (Single-Family Attached) Use should be used as a point of reference and should influence this text amendment. Some requirements from that use should be added to this text amendment. For example, the requirement that end units have side-loaded garages (intended to prevent a "snout house" development, with garages and driveways dominating the façade/front of house). There is a requirement that off-street parking spaces be located to the side or rear, and for a small planting strip to separate adjacent driveways. Internal townhouse units have a limit on the percentage (30%) of the front façade that the garage may occupy.

b. Types. We recommend the ordinance be more flexible regarding permitted unit types, so that more than simply townhomes are permitted. What about duplexes? Triplexes? Quadruplexes? Twins? Adding those uses would make the site more adaptable to changing real estate market conditions and housing unit type preferences.

c. Design.

i. Will there be room for street trees, interspersed throughout the development? Street trees are shown, but space appears limited. When sidewalks are added to the plans it may turn out that there is not room for some of the trees.

ii. Garages. The siting of the garages may create a façade dominated by garage doors. Are renderings available?

5. County Comprehensive Plan. The site lies in the "Suburban Residential Area" future land use category of MONTCO2040: A Shared Vision, the Comprehensive Plan for Montgomery County. This land use category says that appropriate landscaping and street trees should be provided by all developments, and that recreation facilities and central open space should be provided.

6. Landscaping.

a. Stormwater Basin. The basin along Fox Chase Road will be located in a prominent location, and should be sufficiently naturalized and landscaped.

b. Where the backs of two rows of homes abut one another, we recommend adding landscaping for buffering the homes and creating a greater sense of privacy and visual interest, similar to that behind units # 57-61.

c. The pool and clubhouse should be screened from units #140-143.

d. ADDITION: grass has very little habitat value. It results in an overcrowded development with very little room for street trees and centrally-located, usable open space.

7. Riparian Corridor. The site is subject to the requirements of Article XV: the Riparian Corridor Conservation District. We recommend the boundaries of the corridor be designated on the plan.

8. Fiscal Impact Study. The township may wish to request a fiscal impact study from the applicant.

TRAFFIC PLANNING AND DESIGN, INC.

WWW.TRAFFICPD.COM

Memorandum

To: Richard Manfredi, Manager - Abington Township

From: Greg Richardson, P.E.

Date: August 16, 2022

Re: Sister of St. Basil – Active-Adult Development
Traffic Review #1
Abington Township, Montgomery County, PA
TPD No. ABTO.00033

cc: Board of Commissioners
Planning Commission
Tim Clark
Ashley McIlvaine
Terry Castorina
Khal Hassan, P.E.
Allison A. Lee, P.E.

Per your request and on behalf of Abington Township, Traffic Planning and Design, Inc. (TPD) has completed a traffic review of the above-referenced application. TPD reviewed the following documents:

- Traffic Impact Assessment prepared by McMahon Associates, Inc. – Dated February 10, 2022
- Concept "L" Plan prepared by ESE Planning – Dated January 19, 2022.

The following are our comments:

Traffic Impact Study

1. The turning movement counts used in the TIS were conducted in January 2022. The Applicant's engineer should confirm that Manor College was in session during the time of the data collection. Otherwise, seasonal adjustments should be made to study area traffic volumes to account for college commuter traffic.
2. The trip generation projections for the former use should be based on ITE Land Use Code 534 (Private High School), as this land use is more representative of the student demographics.

2500 East High Street, Suite 650
Pottstown, PA 19464
610.326.3100
TrafficPD@TrafficPD.com

3. It does not appear that right turn on red (RTOR) volumes were collected during the data collection. Unless RTOR volumes were field measured, turn off the RTOR setting in the capacity analysis for the study area intersections.
4. The timing inputs for the Fox Chase Road and Forrest Avenue should be revised for the weekday PM peak hour analysis to reflect Max 1 splits for the Forest Avenue approaches.
5. The Applicant should coordinate with SEPTA to review the existing bus stops in the immediate project area and explore the possibility of providing shelters and pedestrian connectivity along the site frontage.
6. Modifications to the northbound Manor College Drive will be necessary to provide proper alignment with the proposed boulevard-style access driveway for the development.
7. It is recommended that the Applicant fully modernize the traffic signal in conjunction with the roadway improvements for the development.

Sketch Plan

1. Due to the type of proposed development (active-adult), separate left and right turn lanes should be provided on Fox Chase Road at its intersection with the Manor College driveway and the proposed site driveway.
2. The anticipated parking for the development should be specified and clearly identified on the plan. Consideration should be given to providing on-street parking which is spread evenly throughout the development to accommodate visitors, special events, families, etc. The Applicant should explore traffic calming measures in conjunction with on-street parking, such as curb extensions and midblock bump-outs, to reduce vehicle speeds on the long and straight internal roads.
3. Additional details should be provided on the clubhouse operations to determine the appropriate amount of parking that may be necessary to service its intended use.
4. Sight lines should be shown on the plans indicating conformance with the sight distance measurement and clear sight line requirements outlined in the Abington Township Subdivision and Land Development Ordinance.
5. The need for streetlighting along the internal roads and along the property frontage on Fox Chase Road should be discussed with the Township.
6. The Township Fire Chief should review the plan and approve the proposed circulation patterns.

General

1. Since any modifications to the signalized intersection of Fox Chase Road, the Manor College driveway, and the proposed site driveway is subject to PennDOT review and approval, any correspondence to and from the Department must also be coordinated with our office and the Township, and evaluated and addressed accordingly in subsequent submissions.

2. A response letter must be provided with the resubmission detailing how each comment above has been addressed, and where each can be found in the resubmission materials (i.e., plan sheet number(s), page number(s), etc.) to assist in the re-review process.

TPD reserves the right to make additional comments upon receipt of additional documents or changes to the plan and studies

BOARD OF COMMISSIONERS REGULAR PUBLIC MEETING

AGENDA ITEM

November 10, 2022	BOC-06-111022	FISCAL IMPACT
DATE	*AGENDA ITEM NUMBER*	Cost > $10,000
		Yes ☐ No ☑
Administration		PUBLIC BID REQUIRED
DEPARTMENT		Cost > $20,100
		Yes ☐ No ☑

AGENDA ITEM:

FY 2023 Proposed Budget Consideration

EXECUTIVE SUMMARY:

The Budget was presented to the members of the Board of Commissioners and the public at the Working Session on October 13, 2022.

The online budget book can be found on our website at http://www.abingtonpa.gov/2023budget.

PREVIOUS BOARD ACTIONS:

n/a

RECOMMENDED BOARD ACTIONS:

Motion to adopt the Fiscal Year 2023 Preliminary Budget as the Proposed Fiscal Year 2023 Budget.

BOARD OF COMMISSIONERS REGULAR PUBLIC MEETING

AGENDA ITEM

November 10, 2022	BOC-07-111022	FISCAL IMPACT
DATE	*AGENDA ITEM NUMBER*	Cost > $10,000
		Yes ☐ No ☑
Community Development		PUBLIC BID REQUIRED
DEPARTMENT		Cost > $20,100
		Yes ☐ No ☑

AGENDA ITEM:

Township Building HVAC Upgrade and Electrical Upgrade supporting HVAC Upgrade Bid Recommendation

EXECUTIVE SUMMARY:

All bids were received on October 27, 2022 as stated in the attached bid tabulation.

PREVIOUS BOARD ACTIONS:

5/19/22 - The Finance Committee approved the item moving to full board consideration on June 9, 2022.
6-9-22 - The Board of Commissioners voted to accept the Township Municipal Building mechanical system upgrades engineering scope of services to upgrade and modernize the existing mechanical systems at the Township building with appropriate funds to be drawn from the approve capital budget line item

RECOMMENDED BOARD ACTIONS:

Motion to award the Abington Township Building HVAC Upgrade to Clipper Pipe & Service Inc. in the amount of $1,371,000.00 and the Electric Upgrade Supporting the HVAC upgrade to Electri-Tech Inc. in the amount of $202,460.00 and authorize the Township Manager to execute the contract.

Pennoni

3100 Horizon Drive
Suite 200
King of Prussia, PA 19406
T: 610-277-2402
F: 610-277-7449

www.pennoni.com

October 28, 2022

ABINT 22003

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

RE: Township of Abington
HVAC Upgrade at The Abington Township Building
Bid Recommendation Letter

Dear Mr. Manfredi:

The bids for the HVAC Upgrade at The Abington Township Building were received on October 27, 2022. See attached bid tabulation for the six (6) bids that were received. The low bid was received from Clipper Pipe & Service, Inc. in the amount of $1,371,000.00.

The Engineers opinion of probable cost for the entire project, which includes the HVAC mechanical and the required electrical upgrade, was $1,500.000.00. The electrical upgrade was bid as a separate contract. The total bid amount of both contracts is $1,573,460.00. We have checked the references for this contractor and have received positive feedback.

Based on our evaluation, the Township should consider awarding the contract to Clipper Pipe & Service, Inc. for the bid amount of $1,371,000.00.

If you should have any questions, please do not hesitate to contact us.

Sincerely,

PENNONI

Khaled R. Hassan, PE
Township Engineer
cc:
Terry Castorina, Executive Assistant
Michael P. Clarke, Esq., Rudolph Clarke, LLC, Township Solicitor

Abington Township, Montgomery County
Tabulation of Bids Received Until 11:00 AM on 10/27/22

HVAC UPGRADE AT ABINGTON TOWNSHIP BUILDING CONTRACT

					CLIPPER PIPE & SERVICE, INC. P.O. BOX 297 CHESTER, PA 19016		LGB MECHANICAL, INC. 555 NORTH ROUTE 73 WEST BELRIN, NJ 08091		GEM MECHANICAL SERVICES, INC. 5101 BIRNEY HIGHWAY ASTON, PA 19104		MYCO MECHANICAL, INC. 1 NORTH WASHINGTON STREET TELFORD, PA 18969		MCCLOSKEY MECHANICAL 445 LOWER LANDING ROAD BLACKWOOD, NJ 08012		EDWARD J. MELONEY, INC. 22 MADISON AVENUE LANSDOWNE, PA 19050	
ITEM	QUANTITY	UNIT	TYPE	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
101	1	LS	Base	HVAC Upgrade	-	$ 1,371,000.00	-	$ 1,458,750.00	-	$ 1,539,000.00	-	$ 1,683,000.00	-	$ 1,693,000.00	-	$ 1,842,000.00
				TOTAL BASE BID		**$ 1,371,000.00**		**$ 1,458,750.00**		**$ 1,539,000.00**		**$ 1,683,000.00**		**$ 1,693,000.00**		**$ 1,842,000.00**

We declare this to be a true Tabulation of Bids received on October 27, 2022 by Abington Township for the HVAC Upgrades at Abington Township Building.

PENNONI ASSOCIATES INC.

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
KHALED RAMEZ HASSAN
ENGINEER
No. PE060958

10/28/22

Khaled R. Hassan, P.E., PENNA REG. NO. PE060958

Pennoni

3100 Horizon Drive
Suite 200
King of Prussia, PA 19406
T: 610-277-2402
F: 610-277-7449

www.pennoni.com

October 28, 2022

ABINT 22003

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

RE: Township of Abington
Electrical Upgrade Supporting HVAC Upgrade
Bid Recommendation Letter

Dear Mr. Manfredi:

The bids for the Electrical Upgrade Supporting HVAC Upgrade were received on October 27, 2022. See attached bid tabulation for the seven (7) bids that were received. The low bid was received from Electri-Tech Inc. in the amount of $202,460.00.

The Engineers opinion of probable cost for the entire project, which includes the HVAC mechanical and the required electrical upgrade, was $1,500.000.00. The electrical upgrade was bid as a separate contract. The total bid amount of both contracts is $1,573,460.00. We have checked the references for this contractor and have received positive feedback.

Based on our evaluation, the Township should consider awarding the contract to Electri-Tech Inc. for the bid amount of $202,460.00.

If you should have any questions, please do not hesitate to contact us.

Sincerely,

PENNONI

Khaled R. Hassan, PE
Township Engineer
cc:
Terry Castorina, Executive Assistant
Michael P. Clarke, Esq., Rudolph Clarke, LLC, Township Solicitor

Abington Township, Montgomery County
Tabulation of Bids Received Until 11:00 AM on 10/27/22

ELECTRICAL UPGRADE SUPPORTING HVAC UPGRADE

					ELECTRI-TECH, INC. 1334 MAYS LANDING ROAD FOLSOM, NJ 08037		BSI 416 STUMP ROAD MONTGOMERYVILLE, PA 18936		MULHERN ELECTRIC COMPANY INC. 1828 ECKARD AVE ABINGTON, PA 19001		WISE ELECTRICAL CONTRACTORS LLC P.O. BOX 350 FLOURTOWN, PA 19031		A.N. LYNCH CO., INC. 122 FINKBINER ROAD SPRING CITY, PA 19475		MJF ELECTRICAL CONTRACTING, INC. 1380 S PENNSYLVANIA AVE MORRISVILLE, PA 19067		S&S ELECTRICAL SERVICES, INC. 262 VALLEY ROAD WARRINGTON, PA 18976	
ITEM	QUANTITY	UNIT	TYPE	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
101	1	LS	Base	Electrical Upgrade in Support on the HVAC Upgrade	-	$ 202,460.00	-	$ 253,000.00	-	$ 277,727.00	-	$ 279,800.00	-	$ 340,000.00	-	$ 345,000.00	-	$ 349,800.00
				TOTAL BASE BID		**$ 202,460.00**		**$ 253,000.00**		**$ 277,727.00**		**$ 279,800.00**		**$ 340,000.00**		**$ 345,000.00**		**$ 349,800.00**

We declare this to be a true Tabulation of Bids received on October 27, 2022 by Abington Township for the Electrical Upgrade Supporting HVAC Upgrade.

PENNONI ASSOCIATES INC.

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
KHALED RAMEZ HASSAN
ENGINEER
No. PE060958

Khaled 10/28/22

Khaled R. Hassan, P.E., PENNA REG. NO. PE060958

BOARD OF COMMISSIONERS REGULAR PUBLIC MEETING

AGENDA ITEM

November 10, 2022	BOC-08-111022	FISCAL IMPACT
DATE	*AGENDA ITEM NUMBER*	Cost > $10,000
		Yes ☐ No ☑
Administration		PUBLIC BID REQUIRED
DEPARTMENT		Cost > $20,100
		Yes ☐ No ☑

AGENDA ITEM:

Comcast Settlement Agreement Franchise Fee Audit/Review

EXECUTIVE SUMMARY:

Cohen Law Group conducted a franchise fee audit of Comcast in Abington Township, the audit uncovered a total franchise fee underpayment of $30,288.37 due to the Township by Comcast. This agreement will aide in the recovery of the underpayment on behalf of the Township.

PREVIOUS BOARD ACTIONS:

n/a

RECOMMENDED BOARD ACTIONS:

Motion to approve the settlement agreement between Comcast Cable Communications Management, LLC and the Township of Abington.

SETTLEMENT AGREEMENT
FRANCHISE FEE AUDIT/REVIEW

This Settlement Agreement (the "Settlement Agreement") is dated this ____ day of October 2022, between Comcast Cable Communications Management, LLC ("Comcast"), and the Abington Township, PA (the "Township"). Comcast and the Township may be individually referred to hereafter as a "Party" or jointly as the "Parties."

RECITALS

WHEREAS, pursuant to Section 6(A) of the Franchise Ordinance permits the Township to receive from Comcast a franchise fee in the amount of five percent of Comcast's gross revenues (the "Franchise Fee").

WHEREAS, the Township engaged the firm of Cohen Law Group to conduct a review of Comcast's Franchise Fee payments for the period from April 1, 2017 through March 31, 2022 ("Audit Period");

WHEREAS, the Township has provided Comcast with a copy of a report prepared by Cohen Law Group dated August 30, 2022 ("Report"), which report concludes that Comcast owes additional franchise fees for the Audit Period.

WHEREAS, the Parties deem it to be to their mutual benefit to settle their differences for all Franchise Fee payment issues for the period of April 1, 2017 through March 31, 2022 (the "Settlement Period"), by this Settlement Agreement, resolve all such disputes and specify the terms under which Comcast will pay the Township the sum of $30,288.37 in full settlement of all Franchise Fee payment obligations for the Settlement Period.

NOW THEREFORE, in exchange for the mutual benefits and undertakings described herein, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

1. PAYMENT BY COMCAST

Within thirty (30) days of delivery to Comcast of a counterpart original of this Settlement Agreement executed by the Township, Comcast shall deliver to the Township a check made payable to the Township of Abington in the amount of $30,288.37. Comcast reserves the right to pass through to customers any such sums of this franchise fee payment which have not already been collected as franchise fees.

2. RELEASE OF ALL CLAIMS AND FINAL SATISFACTION AND RELEASE OF PAYMENT OBLIGATIONS

The Parties hereby release and discharge each other from all claims related to Franchise Fee payments for the Settlement Period. Payment by Comcast to the Township pursuant to Section 1 hereof shall be deemed full and final satisfaction and release of

Comcast's Franchise Fee payment obligations for the Settlement Period.

3. NO WAIVER OR CONCESSION OF THE METHOD OF CALCULATION OF GROSS REVENUES

The Parties mutually agree that this Settlement Agreement controls only the Settlement Period and is neither precedent nor waiver by either Party of any claim, methodology or interpretation of the Franchisee's gross revenues for any future audit of periods not within the Settlement Period.

4. GENERAL PROVISIONS

(a) Each Party covenants and agrees that it will not make, assert or maintain any claim, demand, action or cause of action that is discharged by this Settlement Agreement against the other Party; provided, however, that either Party may bring an action against the other Party to enforce this Settlement Agreement.

(b) Each Party represents that it has not conveyed or assigned any claims released by this Settlement Agreement to any third parties. Each Party represents and warrants that it has the power and authority to enter into this Settlement Agreement. Any breach of this Settlement Agreement shall be subject to all remedies available to the Parties at law or in equity. In addition, any breach of this Settlement Agreement shall be deemed a breach of the Franchise Agreement, and shall be subject to all of the remedies available under the Franchise Agreement.

(c) The Settlement Agreement sets forth the entire agreement of the Parties with respect to its subject matter, there being no other promise or inducement to or for the execution of this Settlement Agreement other than the consideration cited above. There are no contingencies, conditions precedent, representations, warranties, or other agreement, oral or otherwise, regarding settlement between the Parties not stated herein.

(d) The Parties acknowledge that this Settlement Agreement is the product of negotiations between the Parties and does not constitute, and shall not be construed as, an admission of liability on the part of any Party.

(e) This Settlement Agreement shall inure to the benefit of, and shall be binding on, the Parties' respective successors and assigns.

(f) This Settlement Agreement may not be modified or amended, nor any of its terms waived, except by an amendment signed by duly authorized representatives of the Parties.

(g) This Settlement Agreement shall be construed and enforced in accordance with the laws of the Commonwealth of Pennsylvania without regard to conflicts of law principles. All actions or suits brought hereunder or arising out of this Settlement Agreement shall be brought in the appropriate Commonwealth or Federal courts in Pennsylvania, and in no other courts.

(h) This Settlement Agreement shall be effective upon the date when it is executed on behalf of the Township.

(i) All time frames expressed in terms of days shall mean calendar days, and if the time allowed for action required hereunder shall expire on a Saturday, Sunday, or holiday as defined, and if the time allowed for action required hereunder shall expire on a Saturday, Sunday, or holiday as defined by the laws of the Commonwealth of Pennsylvania, then the expiration shall automatically be the next calendar day that is not a Saturday, Sunday, or holiday. All time frames are agreed to be of the essence.

IN WITNESS WHEREOF, the Parties have caused this Settlement Agreement to be executed by duly authorized representatives of each Party on the dates written below.

Township Abington

By: _____

Name: _____

Title: _____

Date: _____

Comcast Cable Communications Management, LLC

By: _____

Name: _____

Title: _____

Date: _____

BOARD OF COMMISSIONERS REGULAR PUBLIC MEETING

AGENDA ITEM

November 10, 2022 — *DATE*

BOC-09-111022 — *AGENDA ITEM NUMBER*

Police — *DEPARTMENT*

FISCAL IMPACT
Cost > $10,000
Yes ☐ No ☑

PUBLIC BID REQUIRED
Cost > $20,100
Yes ☐ No ☑

AGENDA ITEM:

Advertisement of Traffic Safety Ordinance #

EXECUTIVE SUMMARY:

Motion to advertise a Traffic Safety Ordinance amending Chapter 156 - "Vehicles and Traffic," Article VIII - "Residential Parking Permits," Section 58 - "Issuance and Renewal of Parking Permits," Section 59 - "Parking Permit Fee," and Section 64 - "Parking Permit Areas" to add parking permit applications are to be submitted to the Police Department of the Township of Abington, no more than three (3) residential parking permits shall be issued to residents or quests at one postal address, parking permits will be in the form of a window cling to be placed in the back window shield of a vehicle, the cost of the initial permit will be $8.50 and the renewal fee will be $7.50 and parking permit areas will be referred to by zones.

PREVIOUS BOARD ACTIONS:

Ordinance #1983 adopted in 2009

RECOMMENDED BOARD ACTIONS:

Motion to advertise a Traffic Safety Ordinance amending Chapter 156 - "Vehicles and Traffic," Article VIII - "Residential Parking Permits," Section 58 - "Issuance and Renewal of Parking Permits," Section 59 - "Parking Permit Fee," and Section 64 - "Parking Permit Areas" to add parking permit applications are to be submitted to the Police Department of the Township of Abington, no more than three (3) residential parking permits shall be issued to residents or quests at one postal address, parking permits will be in the form of a window cling to be placed in the back window shield, the cost of the initial permit will be $8.50 and the renewal fee will be $7.50 and parking permit areas will be referred to by zones.

TOWNSHIP OF ABINGTON
MONTGOMERY COUNTY, PENNSYLVANIA

ORDINANCE NO.

AN ORDINANCE AMENDING
CHAPTER 156 – "VEHICLES AND TRAFFIC,"
ARTICLE VIII – "RESIDENTIAL PARKING PERMITS,"
SECTION 58 – "ISSUANCE AND RENEWAL OF PARKING PERMITS";
SECTION 59 – "PARKING PERMIT FEE";
SECTION 64 – "PARKING PERMIT AREAS"

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 1502.20 of the First Class Township Code of the Commonwealth of Pennsylvania, 53 P.S. §56579.20, 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 1502.6 of the First Class Township Code of the Commonwealth of Pennsylvania, 53 P.S. §56579.6, 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. §56579.24, 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 – "Vehicles and Traffic," Article VIII – "Residential Parking Permits," Section 58 - "Issuance and Renewal of Parking Permits," Section 59 – "Parking Permit Fee," and Section 64 – "Parking

Permit Areas," 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 VIII – "Residential Parking Permits," at Section 58 – "Issuance and Renewal of Parking Permits," subsections A, C, E, G, and H to add the following underlined language (example) and delete the following struck through language (~~example~~):

A. Residents of a residential permit parking area and their frequent regular visitors, as provided for by §**156-64**, desiring a residential parking permit for a vehicle as defined in §**156-56**, shall apply for such permit to the ~~Department of Zoning and Code Enforcement of the Township of Abington~~ Police Department of the Township of Abington. Residents shall complete any application form as required by the ~~Department of Zoning and Code Enforcement of the Township of Abington~~ Police Department and shall pay the required fee as set forth in §**156-59.**

…

C. Not more than ~~five~~ three (3) residential parking permits shall be issued to residents or quests at one postal address.

…

E. Permits may be renewed by applying to the ~~Department of Zoning and Code Enforcement~~ Police Department for such renewal on or before the expiration date of the permit.

…

G. A residential parking permit shall consist of three parts: a sequentially numbered, colored and uniquely identifiable base ~~sticker~~ window cling, the color of which shall change at approximately annual intervals; a date ~~sticker or stamp~~ indicating the month and year of expiration; and a number ~~sticker or stamp~~ indicating the zone of the residential parking permit area as enumerated in § **156-64**. The ~~Department of Zoning and Code Enforcement~~ Police Department shall affix the date ~~sticker or stamp~~ and the residential parking permit area ~~number sticker or stamp~~ zone to the base ~~sticker~~ window cling prior to issuance.

H. Upon issuance of a residential parking permit ~~sticker~~ window cling, the applicant shall affix said ~~sticker~~ window cling in the back window shield on the vehicle specified in the application ~~near the center of the rear bumper or truck~~ such that the residential parking permit ~~sticker~~ window cling is visible to an ordinarily observant person ~~and does not obscure the vehicle's license plate~~.

2. The Code of the Township of Abington is amended at Chapter 156 - "Vehicles and Traffic," Article VIII – "Parking Regulations," at Section 59 – "Parking Permit Fees" to add the following underlined language (example) and delete the following struck through language (~~example~~):

   A. The initial application fee for a residential parking permit shall be ~~$3~~ $8.50.

   B. The renewal fee for a residential parking permit shall be ~~$2~~ $7.50.

3. The Code of the Township of Abington is amended at Chapter 156 - "Vehicles and Traffic," Article VIII – "Parking Regulations," at Section 64 – "Parking Permit Areas" to read as follows:

   The following residential parking zones are established:

A. Zone 1 –

a. Keith Road, between Old York Road and Bockius Avenue: one-hour parking, 10:00 a.m. to 4:00 p.m., Monday through Saturday.

b. Guernsey Avenue, between Old York Road and Huntingdon Road: two-hour parking, 10:00 a.m. to 4:00 p.m., Monday through Friday.

c. From 1158 Wheatsheaf Lane to 1322 Wheatsheaf Lane: one-hour parking, 7:00 a.m. to 7:00 p.m.

d. Church Street, between Susquehanna Street Road and Adams Avenue: thirty-minute parking, Monday through Saturday, 8:00 a.m. to 12:00 midnight.

e. Keith Road, between Highland Avenue and Jericho Road.

f. Woodland Road, between Wheatsheaf Lane and Jericho Road.

g. Horace Avenue, between Wheatsheaf Lane and Jericho Road.

h. 1800 Block of Guernsey Avenue; lengthen the parking restriction two hours in the morning, making it 8:00 a.m. to 4:00 p.m.

i. Rosemont Lane, north side, between the hours of 8:00 a.m. and 6:00 p.m.

j. Rosemont Lane, north side, between the hours of 8:00 a.m. and 6:00 p.m.

k. Horace Avenue, from Old York Road to Bockius Avenue.

l. Guernsey Avenue, 1900 Block.

m. Wheatsheaf Lane, 300 feet north and south of Horace Avenue.

B. Zone 2 –

a. 300-400 Block of Stewart Avenue on the east side; 1900 Block of Wharton Road on the north side. Nonresidents restricted to one-hour parking between 7:00 a.m. and 7:00 p.m., Monday through Saturday.

b. Cheltena Avenue.

c. Maderia Avenue.

C. Zone 3 –

a. Mt. Carmel Avenue, from Keswick Avenue to Easton Road, excluding the fifteen-minute zones.

b. Roberts Avenue, 100 Block, with existing parking restrictions.

c. Menlo Avenue.

d. Rosemore Avenue.

D. Zone 4 –

a. 100 Block of Holme Avenue, both sides, between Township Line Road and Mayfield Avenue, and eliminate the one-hour parking restriction.

b. 100 Block of Rolling Hill Road, both sides, and eliminate the one-hour parking restriction.

c. Wheatsheaf Lane – 1104-1158.

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

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

ORDAINED AND ENACTED this _____ day of _____, 2022.

TOWNSHIP OF ABINGTON
BOARD OF COMMISSIONERS

Attest:

_____ By: _____

Richard J. Manfredi, Thomas Hecker, President
Township Manager & Secretary

{01516829;v1}

BOARD OF COMMISSIONERS REGULAR PUBLIC MEETING

AGENDA ITEM

November 10, 2022	BOC-10-111022	FISCAL IMPACT
DATE	*AGENDA ITEM NUMBER*	Cost > $10,000
		Yes ☐ No ☑
Administration		PUBLIC BID REQUIRED
DEPARTMENT		Cost > $20,100
		Yes ☐ No ☑

AGENDA ITEM:

521 Moredon Road

EXECUTIVE SUMMARY:

The applicant is proposing to lease a portion of land owned by the Sisters of the Holy Redeemer to install a ground mounted principal solar array and panel system, and associated equipment, conduit, concrete pads along with the solar panels; an extension of the exiting gravel access road; and stormwater runoff control measures. Access to/from the site will be by way of one (1) existing gravel access road currently used by the Sewer Authority located off of Moredon Road.

PREVIOUS BOARD ACTIONS:

8/11/22 - The applicant was granted a conditional use approval for the portion of the array and fencing that encroaches within the Zone 2 of the Riparian Corridor Conservation District by the Board of Commissioners.
9/28/22 - The Planning Commission approved the application and the 3 requested waivers.

RECOMMENDED BOARD ACTIONS:

Review and approve the minor Land Development application, LD-22-04 - 521 Moredon Road (Solar Array Panel).

3100 Horizon Drive
Suite 200
King of Prussia, PA 19406
T: 610-277-2402
F: 610-277-7449

www.pennoni.com

September 9, 2022

ABINT130026

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

RE: Executive Summary for LD-22-04 – 521 Moredon Road (Solar Panel Farm)
521 Moredon Road PARID: 30-00-44765-00-7 / TMID: 30018 011E

Dear Mr. Manfredi:

We have received a copy of the Preliminary/Final Minor Land Development Plans (3rd Submission) consisting of fifteen (15) sheets dated July 16, 2022 and received on August 17, 2022; as prepared by Boles, Smyth Associates Inc., located at 2400 Chestnut Street in Philadelphia, PA for the above referenced project.

Executive Summary:
Under this Application, the Applicant is proposing to lease a portion of land (approximately 4.7 acres) owned by the Sisters of the Holy Redeemer to install a ground mounted principal solar array and panel system; and associated equipment, conduit, concrete pads along with the solar panels; an extension to the existing gravel access road; and stormwater runoff control measures. Access to/from the site will be by way of one (1) existing gravel access road currently used by the Sewer Authority located off of Moredon Road. The new solar panel array system will not be needing public water or sewer.

This project is located within the R-1 Low-Density Residential Zoning District and is fronted by Moredon Road to the southwest, Pennypack Creek to the northeast, and residential properties zoned in the R-1 Low-Density Residential Zoning District to the northwest and southeast.

Due to the unnamed tributary to Pennypack Creek, portions of the tract has been identified by the FEMA, Flood Insurance Rate Map (FIRM) Panel No. 42091C0402G, effective March 2, 2016, to be located within flood Zone X and are special flood hazard areas subject to inundation by the 0.2% annual chance flood (500-year flood), or areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile. The remaining portions of the tract, including the solar array field, are located within Zone X, which are areas determined by the FEMA FIRM to be located outside the 0.2% annual chance flood and areas of minimal flood hazard. In addition to the tract being subject to the Floodplain Conservation District, this parcel is classified by Figure 15.2 - Abington Township Riparian Corridor Analysis Map as a parcel that intersects the riparian corridor; therefore, this parcel is subject to the regulations of the Riparian Corridor Conservation District.

Based on the existing contours shown on the plan, there are areas of precautionary steep slopes (greater than 15% to 25%) and prohibitive steep slopes (greater than 25%), located throughout the site. Since these areas do span five contiguous 10-foot contour intervals, the site is determined to be located in the steep slope conservation overlay district and is subject to the regulations of the Steep Slope Conservation District.

Variances Received:
The Applicant has been granted the following variances by the Zoning Hearing Board under Application no. 21-25:

1. **§301 and §2706.A - Principal Solar Energy Systems** - to allow for the construction of a ground mounted solar panel array in the R-1 Low-Density Residential Zoning District.

This variance was granted subject to the following conditions:

1. That construction upon and use of the subject property shall be in substantial conformance with the testimony, exhibits, and other evidence presented at the Public Hearing on this matter, with the exception of minor modifications in precise placement of the proposed panel array; and

2. That if the proposed solar panel improvements are visible from residences within the abutting Tall Trees community the Applicant shall install landscaping to obstruct the visibility upon written request from that community's homeowner's association delivered to the Applicant and the Township within two years of:
    a. The date of this approval, or
    b. The completion of the installation of the solar panel improvements depicted on the exhibits presented at the Public Hearing, whichever is latest.

Conditional Use Approval Received:
The Applicant was granted a conditional use approval for the portion of the array and fencing that encroaches within the Zone 2 of the Riparian Corridor Conservation District by the Board of Commissioners on August 11, 2022.

Waivers Requested:
The Applicant has provided a waiver request letter dated August 26, 2022 and is requesting the following waivers as part of this land development project:

1. **§142 – Stormwater Management** – A waiver from the requirement to provide stormwater management design report and calculations for the solar panel array.
   The Applicant is proposing concrete curb level spreaders for the solar panel array which will help reduce the velocities of the flows leaving the site. Stormwater management is provided for the 3,300 SF of new gravel area as required by the code.

2. **§146-11.B.(11).(b) – Existing Features Plan** – A waiver from the requirement to provide vegetation resource identification of stand-alone trees with calipers of ten (10) inches or greater, measured at a point four (4) feet above grade on the Existing Features Plan.
   The Applicant is proposing to not conduct a tree survey for the entire 85-acre parcel since only two (2) trees are to be removed as part of this project.

3. **§146-11.H.(1) – Landscape Plan** – A waiver from the requirement to provide a landscape plan prepared by a registered landscape architect.
   The Applicant is proposing the landscape plan to be prepared by the design engineer with the screening and replacement trees being selected by the Redeemer Health System's Director of Landscaping.

Issues:
Applicant has addressed or will comply with our review comments and therefore, we do not have outstanding issues regarding this proposed development.

Summary:
We recommend Preliminary/Final Major Subdivision and Land Development Plans approval contingent the Applicant adequately addresses all outstanding review comments.

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

\\PENNONI.COM\DATA\ACCOUNTS\ABINT\ABINT130026 - LD-22-04 - 521 MOREDON RD (SOLAR PANELS)\ADMIN\LD-22-04-PC MTG EXEC SUMMARY - 521 MOREDON RD (SOLAR ARRAY).DOCX

Boles, Smyth Associates, Inc.
2400 Chestnut Street Philadelphia, PA 19103 215-561-2644

February 8, 2022

Township of Abington
1176 Old York Road,
Abington, PA 19001

Attn: Richard J. Manfredi, Township Manager

Re: Solar Panel Array at 521 Moredon Road, Huntingdon Valley PA 19006

Dear Mr. Manfredi:

Attached please find the Land Development Application and Plans for the Proposed Principal Solar Energy System at 521 Moredon Road.

Included are the following:

- Land Development Application (Includes checklist)
- 5 sets Full Size site plans
- 5 sets site plans at 11x17
- Electronic copies to be provided by email
- Check for Land Development Application Fee

Please note that there will be no new sewage or water service connections and no change in use or occupancy therefore sewage planning is not required.

We are in the process of preparing an application for earth disturbance associated with construction activities which will be submitted to the to the MCCD for review.

Please contact me if you have any questions or need any additional information.

Sincerely,

Timothy F. Boles, P.E.
Attachments

APPLICATION FOR SUBDIVISION/LAND DEVELOPMENT

PROJECT TITLE: Solar Panel Array at 521 Moredon Road

APPLICANT NAME: Sisters of the Redeemer, c/o Jack Dempster VP Facilities/Constr.

TO BE COMPLETED BY THE TOWNSHIP
Submission Information:

Application Number: _____ Date Complete: _____

Received By: _____ 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

Holy Redeemer Health System, Jack Dempster
Name

521 Moredon Road, Huntingdon Valley PA 19006
Address

215-938-2022 _____
Phone Fax

jdempster@holyredeemer.com
Email Address

Property Owners Information (if different than applicant)

Sisters of the Redeemer, (Sisters of the Holy Redeemer), c/o Sr. Ellen Marvel, CSR
Name

Office: 1600 Huntingdon Pike, Meadowbrook, PA 19046
Address Project Location: 521 Moredon Road, Huntingdon Valley PA 19006

215-914-4003 _____
Phone Fax

emarvel@holyredeemer.com
Email Address

Architect/ Planner

N/A
Name

Address

_____ _____
Phone Fax

Email Address

Engineer/ Surveyor

Boles, Smyth Associates Inc. - Tim Boles
Name

2400 Chestnut Street Philadelphia, PA 19103
Address

Engineer/ Surveyor Cont'd	215-561-2644 Phone Fax TFBoles@bolessmyth.com Email Address
Attorney	Stradley Ronon Stevens & Young, LLP, Christopher E. Cummings Name 30 Valley Stream Parkway, Malvern, PA 19355-1481 Address 610.640.5812 Phone 610.640.1965 Fax CCummings@STRADLEY.COM 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: 521 Moredon Road

Tax Parcel No.: 30-00-22412-00-4 County Deed Book No.: 5132 Page No.: 1511

Description of Proposed Work: Installation of a ground mounted Principal Solar Array

Total Tract Acreage: 90.41 Project Acreage: 5.1

Zoning District: R1 Existing Number of Lots: 1 Proposed Number of Lots: 1

Existing Sewer Flows: N/A Proposed Sewer Flows: N/A

Proposed Land Use:

☐ Single Family Detached	☐ Single Family Attached	☐ Single Family Semi-Detached	
☐ Multi-Family	☐ Commercial	☐ Office	☐ Industrial
☑ Other (Describe): Ground mounted Principal Solar Array connected to PECo grid at Moredon Road			

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 ( )

*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 held the fourth Tuesday of each month beginning at 9:30 a.m. at the Township Administrative Offices.

Applicants assume responsibility of any fees associated with this meeting.

Applicant signature _____ Date 3/28/22

To schedule a pre-submission meeting, please contact the office of the Township Manager at 267-536-1003 or email tcastorina@abingtonpa.gov

IV. WAIVERS

List of Requested Waivers: Attach separate sheet if required.

Section/Requirement:	Relief Requested:
Article XXI: Use Regulations, Use A-13: Fences and Walls. 1. Unless otherwise regulated, the maximum height of fences and walls shall be six feet (6').	Relief requested for fence exceeding 6'. The 8' high is to be placed at the setback line. Fence Height of 8' min. height is Otherwise Regulated by Article XXVII: Alternative Energy, item 6.
Stormwater Management	Relief requested from providing a Stormwater Management Design Report and Calculations on the basis that the array design complies with FAQ#4 of PADEP's recommended guidance for ground mounted solar projects and that potential stormwater impacts are mitigated by the BMP's to be employed as part of the solar installation. See project narrative and the link below. Earth Disturbance on the project will not exceed 1 Acre. https://files.dep.state.pa.us/Water/BPNPSM/StormwaterManagement/ConstructionStormwater/Solar_Panel_Farms_FAQ.pdf

V. SUBMISSION

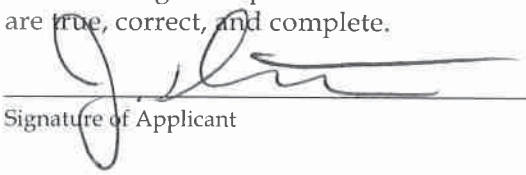
APPLICATION CHECKLIST

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.

- [x] Application Form: completed and signed by the owner/applicant
- [x] ~~10 (ten)~~ Five (5) 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"
- [x] ~~One (1)~~ Five (5) reduced copy of the proposed plan, no larger than 11"x17"
- [ ] Two (2) sets of tentative architectural plans for all applications proposing construction or land development
- [ ] One (1) copy of the Recreation Facilities Plan (if required by §146-40) N/A
- [ ] Letter of Sanitary Sewer availability from the Township Wastewater Treatment Department Two N/A no new sewer connections
- [ ] (2) copies of Sewage Facilities Planning Module Applications N/A, No new EDUs
- [ ] Letter of Water availability from AQUA PA N/A No new water services or capacity required.
- [x] One (1) copy of any previous Zoning Hearing Board decisions related to the subject property
- [x] One (1) Digital copy of all submitted documents
- [x] 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

3/28/22
Date

Signature of Property Owner (if different than applicant)

Date

THE FOLLOWING IS FOR INTERNAL USE ONLY:

PAYMENT

[X] Application Fee Amount: $1500 Check No.: #3085

[ ] Review Escrow Fee Amount: $_____ Check No.: #_____

DECISION INFORMATION

Approval [ ] Denial [ ] Decision Date: _____

Comments/Conditions:

ESCROW AGREEMENT FOR PROFESSIONAL REVIEW FEES FOR PRE-SUBMISSION MEETING

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(s), 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.

Signature: _____ Applicant

Date: 3/7/2022

Applicant Request for County Review

This request should be filled out by the applicant and submitted to the municipality where the application is being filed along with digital copies of all plan sets/information. Municipal staff will electronically file the application with the county, and a notice for the prompt payment of any fees will be emailed to the Applicant's Representative.

MONTGOMERY COUNTY PLANNING COMMISSION
MCPC
P.O. Box 311, Norristown, PA 19404-0311
Phone: 610-278-3722
Business Hours: 8:30 A.M. to 4:15 P.M.
www.planning.montcopa.org

Date: April 8, 2022
Municipality: Abington Township

Proposal Name: Solar Panel Array at 521 Moredon Road

Applicant Name: Sisters of the Redeemer
Address: 1600 Huntingdon Pike
City/State/Zip: Meadowbrook, PA 19046
Phone: 215-914-4003
Email: emarvel@holyredeemer.com

Applicant's Representative: Jack Dempster
Address: 521 Moredon Road
City/State/Zip: Huntingdon Valley PA 19006
Business Phone (required): 215-938-2022
Business Email (required): jdempster@holyredeemer.com

Type of Review Requested:

(Check All Appropriate Boxes)

- [x] Land Development Plan
- [ ] Subdivision Plan
- [ ] Residential Lot Line Change
- [ ] Nonresidential Lot Line Change
- [ ] Zoning Ordinance Amendment
- [ ] Zoning Map Amendment
- [ ] Subdivision Ordinance Amendment
- [ ] Curative Amendment
- [ ] Comprehensive / Other Plan
- [ ] Special Review*

(Not included in any other category - includes parking lot or structures that are not associated with new building square footage)

Type of Plan:

- ○ Tentative (Sketch)
- ○ Preliminary / Final

Type of Submission:

- ◉ New Proposal
- ○ Resubmission*

** A proposal is NOT a resubmission if A) The proposed land use changes, or B) The amount of residential units or square footage proposed changes more than 40%, or C) The previous submission was over 5 years ago.*

Zoning:

Existing District: R1 low density residential
Special Exception Granted ○ Yes ◉ No
Variance Granted ◉ Yes ○ No For 301 and 2706-A for construction of Principal Solar Energy System

Plan Information:

Tax Parcel Number(s) 30-00-22412-00-4

Location *(address or frontage)*
Nearest Cross Street Huntingdon Pike
Total Tract Area 90.41
Total Tract Area Impacted By Development 5.1

(If the development is a building expansion, or additional building on existing development, or only impacts a portion of the tract, please provide a rough estimate of the land impacted, including associated yards, drives, and facilities.)

Land Use(s)	Number of New Lots	Number of New Units	Senior Housing Yes	Senior Housing No	Open Space Acres*	Nonresidential New Square Feet
Single-Family			☐	☐		
Townhouses/Twins			☐	☐		
Apartments			☐	☐		
Commercial						
Industrial						
Office						
Institutional						
Other						

**Only indicate Open Space if it will be on a separate lot or deed restricted with an easement shown on the plan.*

Additional Information: Installation of a ground mounted Solar Panel Array

KUHLS LAW LLC

Joseph C. Kuhls
Attorney at Law

October 20, 2021

Redeemer Village
c/o Jack H. Dempster
Vice President, Facilities and Construction
667 Welsh Road
Huntingdon Valley, PA 19006

Christopher E. Cummings
Stradley, Ronon, Stevens & Young, LLP
30 Valley Stream Parkway
Malvern, PA 19355

Re: Abington Township Zoning Hearing Board Application 21-25

Messrs. Dempster and Cummings,

This firm serves as Solicitor to the Abington Township Zoning Hearing Board. This will confirm that the Board, at its Public Meeting last evening, voted to approve the above-named Application of Redeemer Village for variances from Abington Township Zoning Ordinance §301 and §2706-A to facilitate construction of a Principal Solar Energy System upon real property identified as 521 Moredon Road.

This approval is granted subject to the conditions: 1) that construction upon and use of the subject property shall be in substantial conformance with the testimony, exhibits, and other evidence presented at the Public Hearing on this matter, with the exception of minor modifications in precise placement of the proposed panel array; and 2) that if proposed solar panel improvements are visible from residences within the abutting Tall Trees community the Applicant shall install landscaping to obstruct that visibility upon written request from that community's homeowners association delivered to the Applicant and the Township within two years of: 1) the date of this Approval; or 2) completion of the installation of the solar panel improvements depicted on the exhibits presented at the Public Hearing, whichever is latest.

Any aggrieved party may file an appeal to the Court contesting this decision within thirty (30) days. Anyone taking action on this decision within that appeal period does so at their own risk. Please remember that this Zoning Approval does not relieve the Applicant of the obligation to obtain a building permit and/or other related approvals.

This correspondence constitutes the written decision of the Board to approve the uncontested Application, and no further findings, conclusions, or reasons will be issued.

Joseph C. Kuhls

352 N Easton Road Glenside, PA 19038 I 215.277.7122 I jckuhls@kuhlslaw.com

MONTGOMERY COUNTY
BOARD OF COMMISSIONERS
VALERIE A. ARKOOSH, MD, MPH, CHAIR
KENNETH E. LAWRENCE, 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

SCOTT FRANCE, AICP
EXECUTIVE DIRECTOR

March 16, 2022

County Land Use Letter
Ground Mounted Solar Array
Lower Moreland Township

Boles, Smyth Associates, Inc.
Attn: Timothy Boles
2400 Chestnut Street
Philadelphia, PA 19103

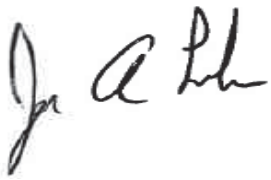
Dear Mr. Boles:

We have received your letter regarding your intent to submit for an NPDES Permit. The permit is related to plans to construct a ground-mounted solar array in a meadow . Our office has determined that your project is consistent with the Montgomery County Comprehensive Plan (adopted January 15, 2015) and all other county land use plans that impact this area as long as all necessary steps are taken to ensure the environmental protection of the area.

The Montgomery County Planning Commission has participated in the completion of plans for ten of its seventeen watersheds. The proposed project occurs within the Pennypack Creek Watershed which has an adopted an Act 167 (2009). According to the limited documentation submitted with the Act 14, 67, 68, and 127 notifications the Montgomery County Planning Commission cannot comment on the consistency with the Act 167 plan. That being said, we defer to the municipal engineer to ensure compliance with the plan.

Please contact me if you have any questions on the content of this letter.

Sincerely,



Jon A. Lesher, LEED Green Associate
Environmental Planning Assistant Manager
Montgomery County Planning Commission
(610)278-3750
jlesher@montcopa.org

PLANNING PROCESS EXTENSION AGREEMENT

FOR

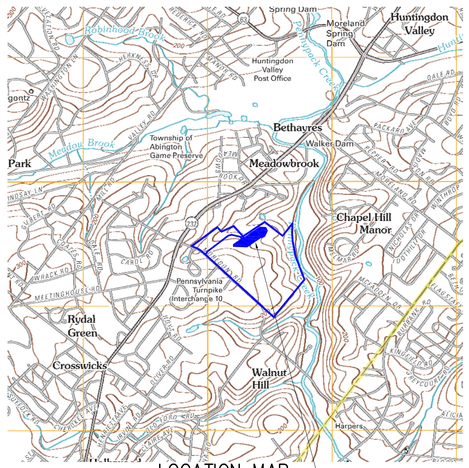
LD-22-04- 521 MORELOCK RD. (SOLAR ARRAY FARM)
PROJECT NAME

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: _____ Date: 6/28/22
Applicant

Received: _____ Date: _____
Township



LOCATION MAP PROJECT AREA

SCALE: 1"=2000'

USGS QUAD: Frankford PA-NJ (2011)

GENERAL NOTES

1. LANDOWNER:SISTERS OF THE REDEEMER
   521 MOREDON ROAD, HUNTINGDON VALLEY PA 19006
2. APPLICANT:REDEEMER VILLAGE, c/o REDEEMER HEALTH
   521 MOREDON ROAD, HUNTINGDON VALLEY, PA 19006
3. LOCATION: 521 MOREDON ROAD,
   TMP 30 018 011T1, PARCEL 30-00-44766-00-6
4. BOUNDARY INFORMATION TAKEN FROM A PLAN PREPARED BY:
   PENNONI ASSOCIATES INC. DATED 09/20/1995.
5. ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM (NGVD 1929). SUBTRACT 4.44 FT TO CONVERT TO THE ABINGTON TOWNSHIP SEWER DATUM.
6. THE SITE IS LOCATED WITHIN A ZONE X ON FEMA FLOOD MAP PANEL NO. 42091C0402G EFFECTIVE MARCH 2, 2016. ZONE X IS DESCRIBED AS, "AREAS DETERMINED TO BE OUTSIDE THE 500 YR. FLOODPLAIN".
7. THIS PROPERTY HAS AREAS THAT ARE WITHIN THE 100-YR FLOODPLAIN AND ARE DESIGNATED TO BE WITHIN THE FLOODPLAIN CONSERVATION OVERLAY DISTRICT. THIS PROJECT DOES NOT PROPOSE ANY DEVELOPMENT OR DISTURBANCE WITHIN THE FLOODPLAIN CONSERVATION OVERLAY DISTRICT.
8. IN ACCORDANCE WITH PA ACT 287 OF 1974 AS AMENDED BY PA ACT 50 OF 2017 ENTITLED "UNDERGROUND UTILITY LINE PROTECTION LAW". THE CONTRACTOR SHALL NOTIFY ALL UTILITIES WITHIN THE WORK AREA VIA THE PENNSYLVANIA ONE CALL SYSTEM, INC. (800-242-1776) A MINIMUM OF 3 WORKING DAYS BEFORE THE START OF EXCAVATION.
9. PROPERTY IS ZONED R-1, LOW DENSITY RESIDENTIAL.
10. OVERLAY DISTRICTS - THE PROPERTY IS LOCATED IN THE FOLLOWING DISTRICTS:
    - RIPARIAN CORRIDOR CONSERVATION DISTRICT (ARTICLE XV)
    - STEEP SLOPE CONSERVATION DISTRICT (ARTICLE XVI)
    - LAND PRESERVATION DISTRICT (ARTICLE XVII)
11. PRECAUTIONARY SLOPES WITH A SLOPE FROM 15% TO 25% EXIST ON 18.6% OF THE NET AREA OF THE PROPERTY. THE PROPOSED IMPROVEMENTS WILL PERMANENTLY DISTURB 560 SF (0.08%) OF THE PRECAUTIONARY SLOPES. AREAS TEMPORARILY DISTURBED FOR CONDUIT INSTALLATION WILL BE RESTORED.
12. PROHIBITIVE SLOPES WITH A SLOPE OF 25% OR STEEPER EXIST ON 9.7% OF THE NET AREA OF THE PROPERTY. THE PROPOSED IMPROVEMENTS WILL PERMANENTLY DISTURB 130 SF (0.03%) OF THE PROHIBITIVE SLOPES.
13. NO WATER SUPPLY IS REQUIRED FOR THE PROPOSED IMPROVEMENTS.
14. NO SANITARY WASTEWATER WILL BE GENERATED BY THE PROPOSED IMPROVEMENTS
15. OUTSIDE STORAGE OF JUNK, DEBRIS, OTHER MATERIALS AND OUTDOOR VEHICLE REPAIRS ARE NOT PERMITTED ON THE SITE. NO UNREGISTERED OR UNINSPECTED MOTOR VEHICLES SHALL BE PARKED, KEPT OR STORED ON THE PROPERTY. NO COMMERCIAL OR RECREATIONAL VEHICLES SHALL BE PARKED OR STORED ON THE PROPERTY. VEHICLES SHALL NOT DISPLAY ANY SIGNAGE OR ADVERTISING WITHIN THE SITE UNLESS ENCLOSED IN STRUCTURES WHICH ARE IN COMPLIANCE WITH THE CRITERIA OF THE DISTRICT.
16. ALL UTILITY & TRANSMISSION LINES SHALL BE UNDERGROUND TO THE EXTENT FEASIBLE.
17. REFLECTIVE SUN GLARE, IF ANY, SHALL NOT BE DIRECTED TOWARDS ANY INHABITED BUILDING ON ADJACENT PROPERTIES AS WELL AS ADJACENT STREETS AND RIGHTS-OF-WAYS.
18. A VARIANCE HAS BEEN GRANTED FOR CONSTRUCTION OF A PRINCIPAL SOLAR ENERGY SYSTEM IN A RESIDENTIAL DISTRICT. THE USE VARIANCE WAS GRANTED SUBJECT TO THE FOLLOWING CONDITIONS:
    A. THAT CONSTRUCTION UPON AND USE OF THE SUBJECT PROPERTY SHALL BE IN SUBSTANTIAL CONFORMANCE WITH THE TESTIMONY, EXHIBITS, AND OTHER EVIDENCE PRESENTED AT THE PUBLIC HEARING ON THIS MATTER, WITH THE EXCEPTION OF MINOR MODIFICATIONS IN PRECISE PLACEMENT OF THE PROPOSED PANEL ARRAY; AND
    B. THAT IF THE PROPOSED SOLAR PANEL IMPROVEMENTS ARE VISIBLE FROM RESIDENCES WITHIN THE ABUTTING TALL TREES COMMUNITY THE APPLICANT SHALL INSTALL LANDSCAPING TO OBSTRUCT THE VISIBILITY UPON WRITTEN REQUEST FROM THAT COMMUNITY'S HOMEOWNER'S ASSOCIATION DELIVERED TO THE APPLICANT AND THE TOWNSHIP WITHIN TWO YEARS OF: A. THE DATE OF THIS APPROVAL, OR: B. THE COMPLETION OF THE INSTALLATION OF THE SOLAR PANEL IMPROVEMENTS DEPICTED ON THE EXHIBITS PRESENTED AT THE PUBLIC HEARING, WHICHEVER IS LATEST.
19. DECOMMISSIONING:
    A. IF THE APPLICANT CEASES OPERATION OF THE ENERGY PROJECT OR BEGINS, BUT DOES NOT COMPLETE, CONSTRUCTION OF THE PROJECT, THE APPLICANT SHALL RESTORE THE SITE ACCORDING TO A PLAN APPROVED BY THE PLANNING AUTHORITY.
    B. THE LARGE SOLAR ENERGY PRODUCTION FACILITY OWNER IS REQUIRED TO NOTIFY THE TOWNSHIP IMMEDIATELY UPON CESSATION OR ABANDONMENT OF THE OPERATION. THE OWNER SHALL BE RESPONSIBLE FOR THE REMOVAL OF THE FACILITY WITHIN SIX (6) MONTHS FROM THE DATE THE APPLICANT CEASES USE OF THE FACILITY OR THE FACILITY BECOMES OBSOLETE. THE OWNER SHALL THEN HAVE 12 MONTHS IN WHICH TO DISMANTLE AND REMOVE THE LARGE SOLAR ENERGY PRODUCTION FACILITY FROM THE PROPERTY. AT THE TIME OF ISSUANCE OF THE PERMIT FOR THE CONSTRUCTION OF THE LARGE SOLAR ENERGY PRODUCTION FACILITY, THE OWNER SHALL PROVIDE FINANCIAL SECURITY IN FORM AND AMOUNT ACCEPTABLE TO THE TOWNSHIP TO SECURE THE EXPENSE OF DISMANTLING AND REMOVING SAID STRUCTURES.
20. CONDITIONAL USE APPROVAL FOR THE PORTION OF THE ARRAY AND FENCING THAT ENCROACH WITHIN THE ZONE 2 OF THE RIPARIAN CORRIDOR CONSERVATION DISTRICT WAS GRANTED BY THE BOARD OF COMMISSIONERS ON AUGUST 11, 2022. SEE ENCROACHMENT AND MITIGATION AREAS INDICATED ON THIS PLAN. (ENCROACHMENT AREA= 0.52 AC , MITIGATION AREA= 0.53 AC)

SEE CONTINUATION ON NEXT PAGE

ZONING REGULATIONS - R1 LOW DENSITY RESIDENTIAL

DIMENSION	REQUIRED	EXISTING +	PROPOSED
LOT AREA	1 AC	85.66446 AC 3,731,544 SF	NO CHANGE
LOT WIDTH	200 FT	2,702 FT	NO CHANGE
LOT DEPTH	100 FT	2,149 FT	NO CHANGE
FRONT YARD	50 FT	42 FT	42 FT
SIDE YARD	20 FT	524 FT	524 FT
REAR YARD	30 FT	1212 FT	766 FT
BUILDING, GROUND FLOOR AREA FOR PRINCIPAL USE	N/A	30,446 SF+	NO CHANGE
BUILDING AREA (ROOF AREA)	20% (MAX)	0.97 % 36,273 SF +	NO CHANGE
IMPERVIOUS COVER	25% (MAX)	4.45 % +* 165,993 SF +	4.53 % +* 169,345 SF
GRAVEL AREAS	N/A	60,458 SF +	65,108 SF +
GREEN AREA	75% (MIN)	95.55 % + 3,565,551 SF+	95.46 % + 3,562,199 SF+
STEEP SLOPES			
15-25%	-	714,850SF(18.6%)	714,286SF(18.6%)
25% OR STEEPER	-	373,500SF(9.7%)	373,357SF(9.7%)
TEMP. DISTURBANCE			
15-25%	-	-	13,225 SF
25% OR STEEPER	-	-	0 SF
BUILDING HEIGHT	35 FT (MAX)	VARIES	NO CHANGE
BUILDING LENGTH	150 FT (MAX)	285 FT	NO CHANGE
PARKING			
TOTAL PARKING SP.	104	191	NO CHANGE
ACCESSIBLE SP.	4	2	
VAN SPACES	1	4	
TOTAL ACC. SP.	5	6	

\+ INDICATES AREA AFTER PENDING COMPLETION REDEEMER VALLEY FARM BARN.

* GRAVEL AREAS ARE INCLUDED IN IMPERVIOUS AREA. SOLAR PANELS EXCLUDED FROM IMPERVIOUS AREA PER ARTICLE XXVII, SECTION 2706, C.

IMPERVIOUS PAVEMENTS TO BE CONSTRUCTED BY THE PROJECT INCLUDE A CONCRETE PAD FOR ELECTRICAL EQUIPMENT AND GRAVEL STABILIZATION AT THE PAD AREA. NO NEW ROADWAY PAVEMENTS OR ROOF AREAS ARE TO BE CONSTRUCTED AS PART OF THE PROPOSED IMPROVEMENTS.

TOTAL PROPOSED DISTURBED PROJECT AREA = 14,000 SF (0.32 AC)

PROPERTY OWNERS

Code*	PARCEL	ADDRESS	OWNER
A	300044616003	652 MOREDON RD	BEST JOHARI & EVANS SUSAN BEST
B	300044620008	644 MOREDON RD	AXELROD BRUCE & JANNETTE
C	300044624004	634 MOREDON RD	LAWSIN MANUEL B & CECILLA A
D	300044628009	626 MOREDON RD	HENING ERIC B
E	300044632005	618 MOREDON RD	NOWAKOWSKI ANDRZEJ & WANDA
F	300044636001	600 MOREDON RD	HOLY REDEEMER-DALE ZIPLEY
G	300044640024	1445 LONDONDERRY LN	HUANG HANGUANG & LEI BIAOHUA
H	300044640006	540 MOREDON RD	STUARD TRACY M & MANGUAL TONI
I	300039137208	1403 LLOYD RD	DAVIS VIPIN A & SELBEY G
J	300039137001	1400 LLOYD RD	STEINFIELD SANDRA
K	300044652003	462 MOREDON RD	GERBERDING JULIE & ROSE DAVID
I	300044664009	448 MOREDON RD	SCOTT BETH A
M	300044660004	MOREDON RD	ROSE DAVID & GERBERDING JULIE
N	300044660409	MOREDON RD	ROSE DAVID & GERBERDING JULIE
O	300044656008	408 MOREDON RD	WANG YIWEN & MAI WAN HONG
P	300044668005	400 MOREDON RD	VULFIN JAN & LARYSA
Q	300044674008	360 MOREDON RD	DESMAN SHELLEY & CHARLI BROOKE
R	300044608002	676 MOREDON RD	KANG JUNG HEE & NANCY Y

* SEE PLAN FOR PROPERTY CODE

Zoning Districts Listed

CS - COMMUNITY SERVICE
R1 - LOW DENSITY RESIDENTIAL
RC - APARTMENT OFFICE

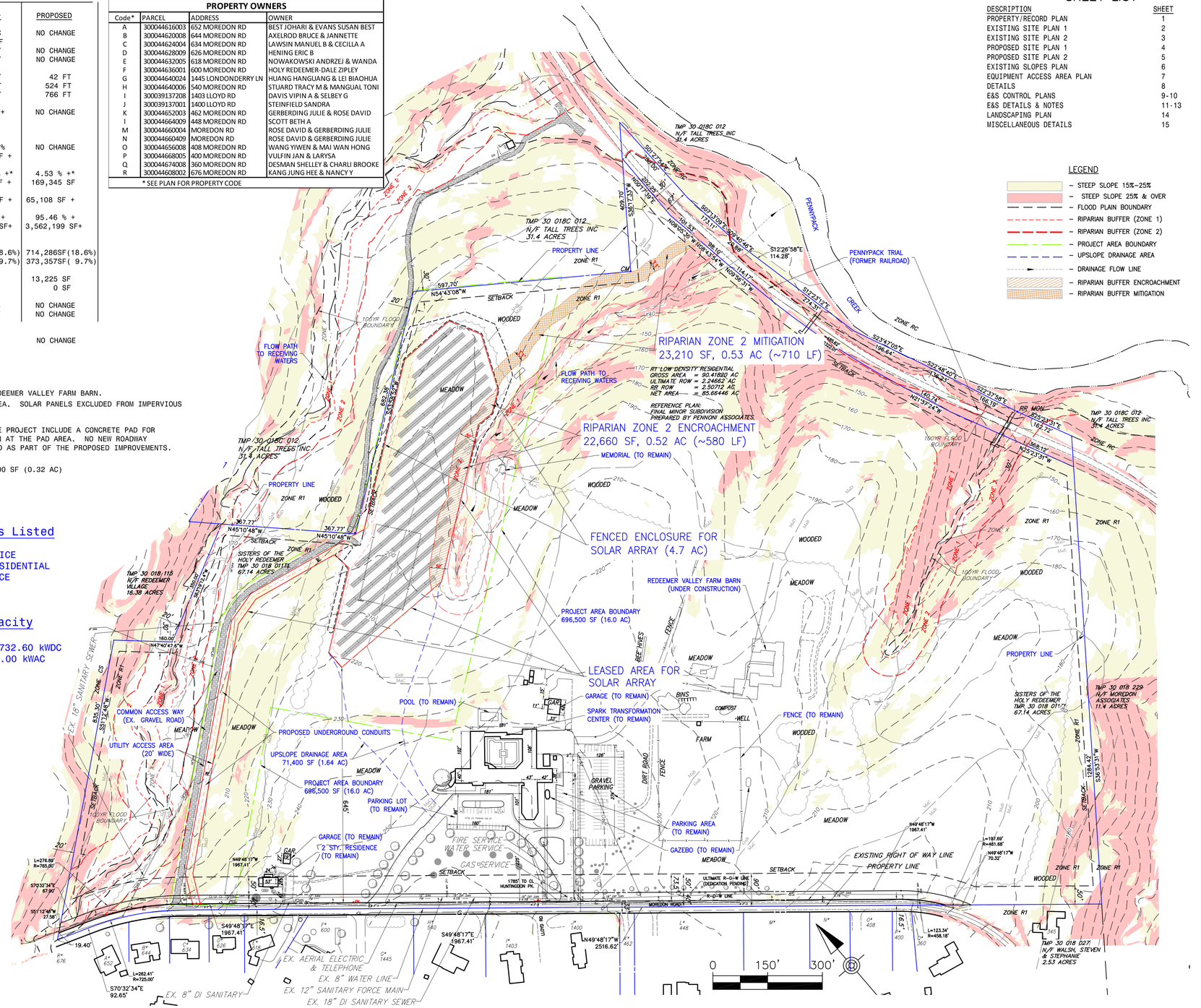
Solar Array Capacity

DC SYSTEM SIZE: 1,1732.60 kWDC
AC SYSTEM SIZE: 840.00 kWAC

SHEET LIST

DESCRIPTION	SHEET
PROPERTY/RECORD PLAN	1
EXISTING SITE PLAN 1	2
EXISTING SITE PLAN 2	3
PROPOSED SITE PLAN 1	4
PROPOSED SITE PLAN 2	5
EXISTING SLOPES PLAN	6
EQUIPMENT ACCESS AREA PLAN	7
DETAILS	8
E&S CONTROL PLANS	9-10
E&S DETAILS & NOTES	11-13
LANDSCAPING PLAN	14
MISCELLANEOUS DETAILS	15

LEGEND
- STEEP SLOPE 15%-25%
- STEEP SLOPE 25% & OVER
- FLOOD PLAIN BOUNDARY
- RIPARIAN BUFFER (ZONE 1)
- RIPARIAN BUFFER (ZONE 2)
- PROJECT AREA BOUNDARY
- UPSLOPE DRAINAGE AREA
- DRAINAGE FLOW LINE
- RIPARIAN BUFFER ENCROACHMENT
- RIPARIAN BUFFER MITIGATION



CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE — STOP CALL
PA 1 CALL SYSTEM, INC. SERIAL NUMBERS: 20202661433 CALL TYPE: DESIGN
CALL 1-800-242-1776

No	Date	Description	REVISIONS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL TIMOTHY F. BOLES ENGINEER 043690-E

SUBMISSION TYPE:
- FINAL PLAN SUBMISSION
- MINOR PLAN SUBMISSION

ENGINEER:
Boles, Smyth Associates Inc.
Consulting Civil Engineers
2400 Chestnut Street - Philadelphia PA, 19103
215-561-2644 (P) - 215-561-0501 (F)

OWNER/DEVELOPER:
Sisters of the Redeemer
1600 Huntingdon Pike
Meadowbrook, PA 19046

PROJECT:
SOLAR PANEL ARRAY
For Redeemer Village
(Ground Mounted)

PROJECT ADDRESS:
521 Moredon Road
Huntingdon Valley, PA 19006

SHEET:
Property Plan
Record Plan

Project No.: 78.09
Date: 07-16-2022 Scale: As Noted
Drawn by: TFB Checked: TFB

Dwg No. 1

GENERAL NOTES (CONTINUED):

21. THE LOCATION OF THE EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS HAVE BEEN TAKEN FROM EXISTING UTILITY RECORDS AVAILABLE AT THE TIME THESE PLANS WERE PREPARED AND FROM SURFACE OBSERVATION OF THE SITE. COMPLETENESS OR ACCURACY OF LOCATION AND DEPTH OF UNDERGROUND UTILITIES AND STRUCTURES IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF ALL UNDERGROUND UTILITIES AND STRUCTURES BEFORE THE START OF WORK.

22. ALL DIMENSIONS ARE US STANDARD MEASURE UNLESS OTHERWISE NOTED.

23. SITE CLEARING: PERFORM ALL SOLAR ARRAY INSTALLATION ACTIVITIES IN A MANNER THAT MINIMIZES EARTH DISTURBANCE AND SOIL COMPACTION. STRIPPED TOPSOIL IN ACCESS AREA IS TO BE INCORPORATED AS FILL ON THE DOWNSLOPE SIDE OF THE GRAVEL AND CONCRETE PAD AREA OR IN OTHER DESIGNATED AREAS AS INDICATED ON THE PLANS. SEE SEQUENCE OF CONSTRUCTION OUTLINED IN THE EROSION CONTROL PLANS.

24. AFTER STRIPPING TOPSOIL PROOF ROLL SUBGRADE AT GRAVEL ACCESS AREA AND CONCRETE PAD AREA PRIOR TO PLACEMENT OF STONE MATERIALS TO ASSURE PROPER COMPACTION.

25. FURNISH AGGREGATES, CONCRETE MATERIALS ONLY FROM PENNDOT APPROVED SUPPLIERS. FURNISH PENNDOT APPROVED GRADATION REPORTS AND MIX DESIGNS FOR REVIEW AND APPROVAL PRIOR TO TRANSPORTING ANY MATERIAL TO THE SITE.

26. PROVIDE TEMPORARY TRAFFIC CONTROLS IN ACCORDANCE WITH PENNDOT PUBLICATION NO. 213, TEMPORARY TRAFFIC CONTROL GUIDELINES.

27. ALL SITE WORK IS TO CONFORM TO INDUSTRY STANDARDS FOR MATERIALS AND WORKMANSHIP. DEFECTIVE WORK IS TO BE REMOVED AND REPLACED AT NO COST TO THE OWNER. PENNDOT PUBLICATION 408 AND PUBLICATION 72 (STANDARDS FOR ROADWAY CONSTRUCTION, CURRENT EDITION) ARE TO BE CONSIDERED THE BASIS FOR INDUSTRY STANDARDS. THE FOLLOWING SECTIONS ARE INCLUDED BY REFERENCE:

- 212 GEOTEXTILES
- 350 SUBBASE
- 701 CEMENT
- 703 AGGREGATE
- 704 CEMENT CONCRETE
- 709 REINFORCEMENT STEEL
- 711 CONCRETE CURING MATERIAL AND ADMIXTURES
- 735 GEOTEXTILES
- 804 SEEDING AND SOIL SUPPLEMENTS
- 805 MULCHING
- 855 PUMPED WATER FILTER BAG
- 867 COMPOST FILTER SOCK

UTILITY CONTACT LIST:

COMPANY: CROWN CASTLE
ADDRESS: 1500 CORPORATE DR
CANONSBURG, PA. 15317
CONTACT: TYLER STEIN
EMAIL: tyler.stein@crowncastle.com

COMPANY: COMCAST
ADDRESS: 4400 WAYNE AVENUE
PHILADELPHIA, PA. 19140
CONTACT: ROBERT HARVEY
EMAIL: bob_harvey@cable.comcast.com

COMPANY: COMCAST
ADDRESS: 4400 WAYNE AVENUE
PHILADELPHIA, PA. 19140
CONTACT: ROBERT HARVEY
EMAIL: bob_harvey@cable.comcast.com

COMPANY: AQUA PENNSYLVANIA INC
ADDRESS: 762 W LANCASTER AVE
BRYN MAWR, PA. 19010
CONTACT: STEVE PIZZI
EMAIL: sbpizzi@aquaamerica.com

COMPANY: PECO ENERGY C/O USIC
ADDRESS: 450 S HENDERSON RD SUITE B
KING OF PRUSSIA, PA. 19406
CONTACT: NIKKIA SIMPKINS
EMAIL: NIKKIASIMPKINS@USICLLC.COM

COMPANY: CENTURY LINK
ADDRESS: 1025 ELDORADO BLVD
BROOMFIELD, CO. 80021
CONTACT: CENTURY LINK OPERATOR
EMAIL: RELOCATIONS@LUMEN.COM

COMPANY: VERIZON BUSINESS FORMERLY MCI
ADDRESS: 400 INTERNATIONAL PARKWAY
RICHARDSON, TX. 75081
CONTACT: DEAN BOYERS
EMAIL: investigations@verizon.com

COMPANY: VERIZON PENNSYLVANIA LLC
ADDRESS: 1050 VIRGINIA DR
FORT WASHINGTON, PA. 19034
CONTACT: DARLINE LEPPERD JOHNSON

COMPANY: ABINGTON TOWNSHIP OF
ADDRESS: 1176 OLD YORK ROAD
ABINGTON, PA. 19001
CONTACT: TIM CLARK
EMAIL: TCLARK@ABINGTON.ORG

SOILS INFORMATION

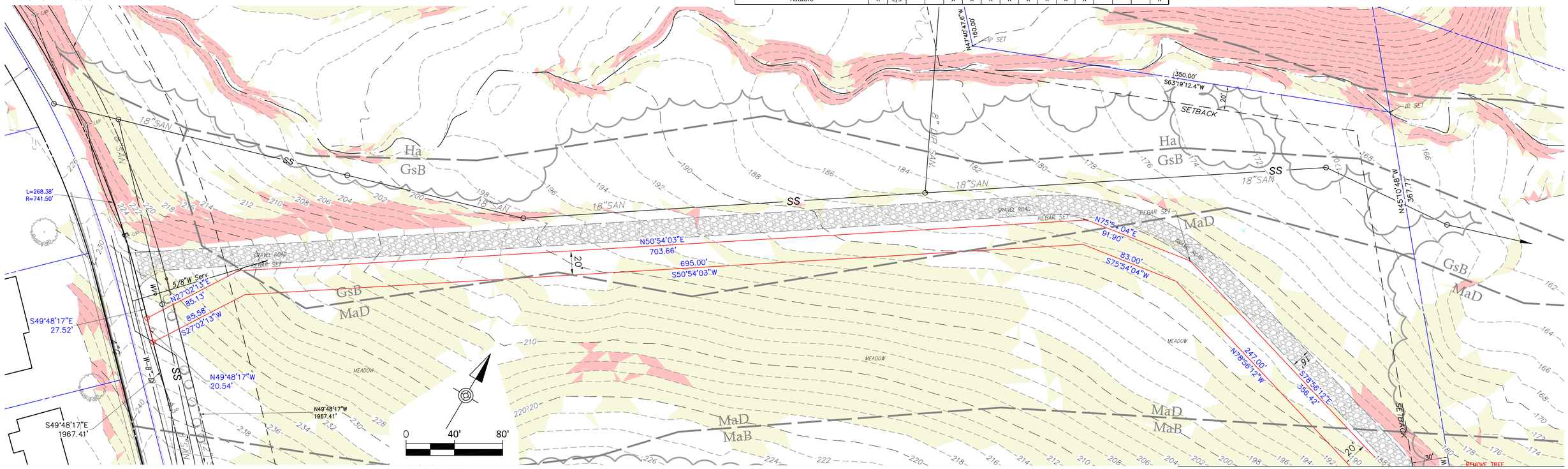
MAP SYMBOL -->	MaB	MaC	MaD	MaE	GsB	Ha
Mapunit Name	Manor loam, 3-8%	Manor loam, 8-15%	Manor loam, 15-25%	Manor loam, 25-35%	Glenville silt loam, 3-8%	Hatboto silt loam
Component Name	Manor	Manor	Manor	Manor	Glenville	Hatboro
Drainage Class	Well drained	Well drained	Well drained	Well drained	Moderately Well drained	Poorly drained
Depth to restrictive layer (bedrock)	72 to 99 inches	59 to 128 inches	59 to 128 inches	60-100 in to paralithic BR	29-31 in. to fragipan	60 to 99 in. to lithic BR
Depth to water table	More than 80 in.	More than 80 in.	More than 80 in.	More than 80 in.	18 to 22 inches	0 to 6 inches
Bearing Value (from Geotechnical report)	3,000 PSF	3,000 PSF	3,000 PSF	3,000 PSF	-	-

SOIL LIMITATIONS

SOIL NAME	CUTBANKS CAVE	CORROSIVE TO CONCRETE\ STEEL	DROUGHTY	EASILY ERODIBLE	FLOODING	DEPTH TO SATURATED ZONE/ SEASONAL HIGH	HYDRIC/ HYDRIC INCLUSIONS	LOW STRENGTH / LANDSLIDE PRONE	SLOW PERCOLATION	PIPING	POOR SOURCE OF TOPSOIL	FROST ACTION	SHRINK - SWELL	POTENTIAL SINKHOLE	PONDING	WETNESS
Glenville	X	C/S				X	X	X	X	X	X	X				X
Manor	X	C		X				X	X	X	X	X				
Hatboro	X	C/S			X	X	X	X	X	X	X	X				X

LEGEND

SOIL TYPE BOUNDARY
MaB SOIL TYPE
– STEEP SLOPE 15%–25%
– STEEP SLOPE 25% & OVER
– UPSLOPE DRAINAGE AREA



SEE SHEET 3

File: Solar_Sht_1-3_Ex_Site.dwg Plotted: 8/16/22 at 2:50pm By: TFBoles1

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PA 1 SYSTEM, INC.
SERIAL NUMBERS: 20202661433
CALL TYPE: DESIGN
CALL 1-800-242-1776

No	Date	Description
		REVISIONS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER TIMOTHY F. BOLES 043690-E

SUBMISSION TYPE:
- FINAL PLAN SUBMISSION
- MINOR PLAN SUBMISSION

ENGINEER:
Boles, Smyth Associates Inc.
Consulting Civil Engineers
2400 Chestnut Street - Philadelphia PA, 19103
215-561-2644 (P) - 215-561-0501 (F)

OWNER/DEVELOPER:
Sisters of the Redeemer
1600 Huntingdon Pike
Meadowbrook, PA 19046

PROJECT:
SOLAR PANEL ARRAY
For Redeemer Village
(Ground Mounted)

PROJECT ADDRESS:
521 Moredon Road
Huntingdon Valley, PA 19006

SHEET:
Existing Site Plan 1

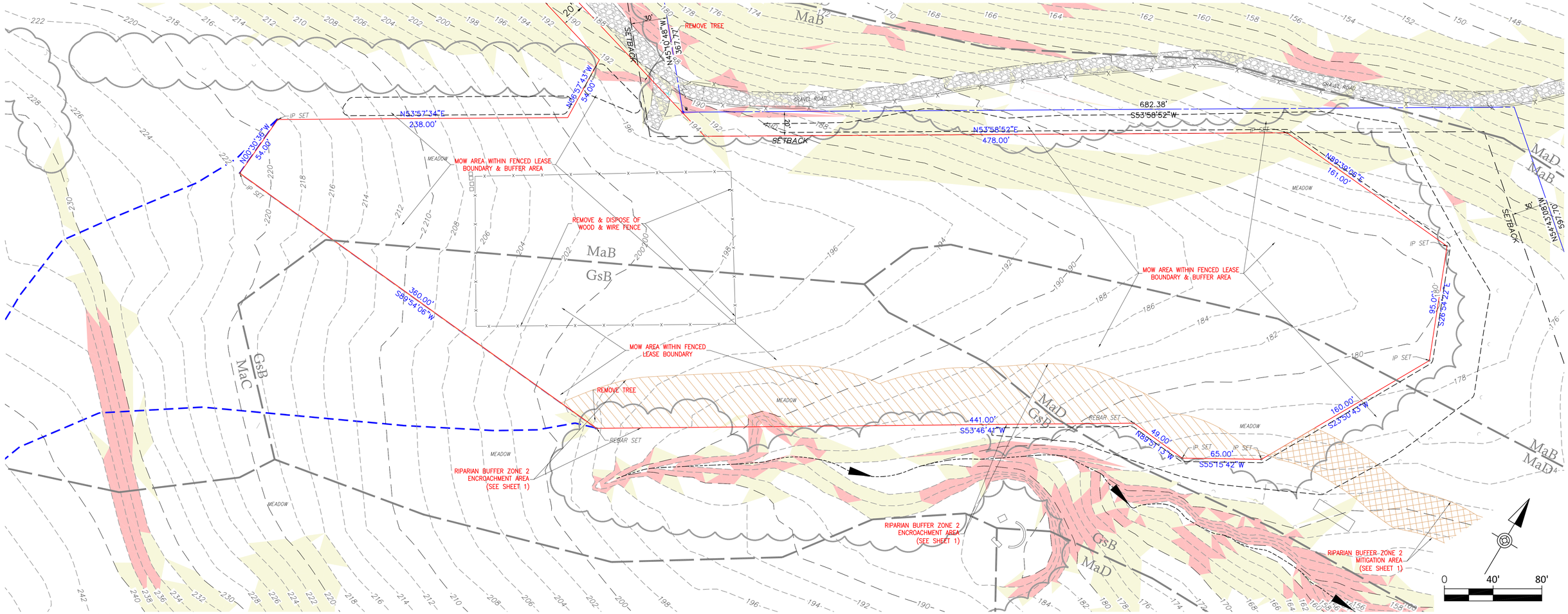
Project No.: 78.09
Date: 07-16-2022 Scale: As Noted
Drawn by: TFB Checked: TFB

Dwg No. 2

LEGEND

- SOIL TYPE BOUNDARY
- MaB — SOIL TYPE
- — STEEP SLOPE 15%–25%
- — STEEP SLOPE 25% & OVER
- — UPSLOPE DRAINAGE AREA
- — DRAINAGE FLOW LINE
- — RIPARIAN BUFFER ENCROACHMENT
- — RIPARIAN BUFFER MITIGATION

NOTES:
1. REMOVE ONLY LIVE TREES THAT ARE INDICATED TO BE REMOVED. REMOVE DEAD TREES AND BRANCHES AS NECESSARY AND AS DIRECTED.



File: Solar_Sht_1-3_Ex_Site.dwg Plotted: 8/16/22 at 1:28pm By: TFBoles1

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PA ONE CALL SYSTEM, INC. SERIAL NUMBERS: 20202661433
CALL 1-800-242-1776 CALL TYPE: DESIGN

No	Date	Description
		REVISIONS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL ENGINEER — TIMOTHY F. BOLES — 043690-E

SUBMISSION TYPE:
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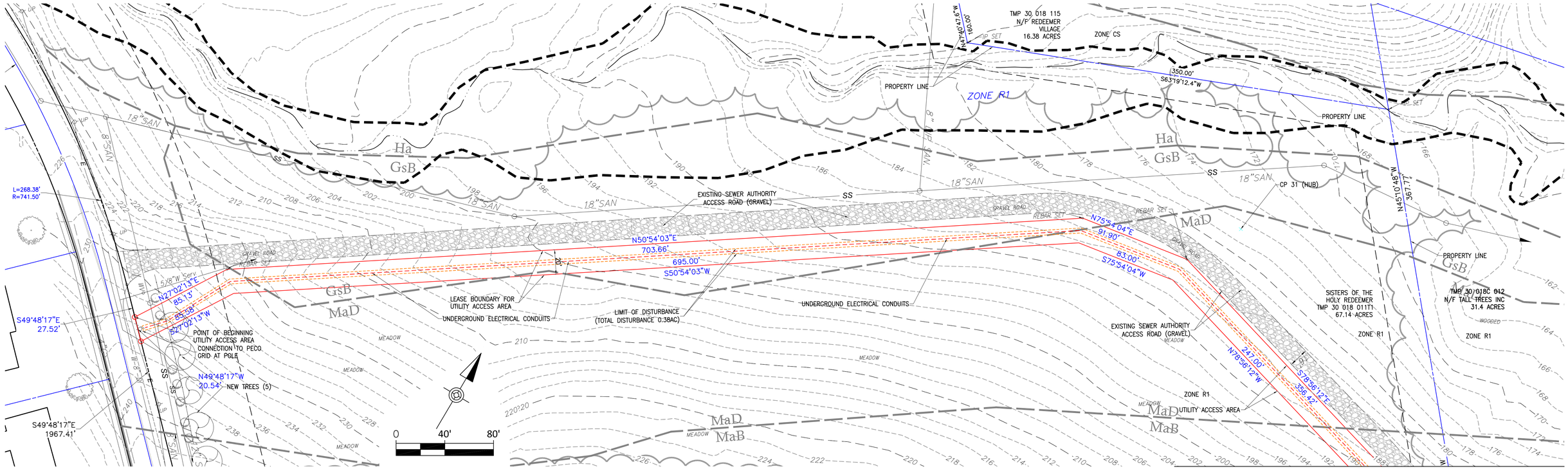
PROJECT:
SOLAR PANEL ARRAY
For Redeemer Village
(Ground Mounted)

PROJECT ADDRESS:
521 Moredon Road
Huntingdon Valley, PA 19006

SHEET:
Existing Site Plan 2

Project No.: 78.09
Date: 07-16-2022 Scale: As Noted
Drawn by: TFB Checked: TFB

Dwg No. 3



SEE SHEET 5

File: Solar_Sht_4-5_Pr_Site.dwg Plotted: 8/16/22 at 1:17pm By: TFBoles1

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PENNSYLVANIA LAW REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE – STOP CALL
PA ONE CALL SYSTEM, INC.
SERIAL NUMBERS: 20202661433
CALL TYPE: DESIGN
CALL 1-800-242-1776

No	Date	Description
		REVISIONS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
TIMOTHY F. BOLES
ENGINEER
043690-E

SUBMISSION TYPE:
- FINAL PLAN SUBMISSION
- MINOR PLAN SUBMISSION

ENGINEER:
Boles, Smyth Associates Inc.
Consulting Civil Engineers
2400 Chestnut Street - Philadelphia PA, 19103
215-561-2644 (P) - 215-561-0501 (F)

OWNER/DEVELOPER:
Sisters of the Redeemer
1600 Huntingdon Pike
Meadowbrook, PA 19046

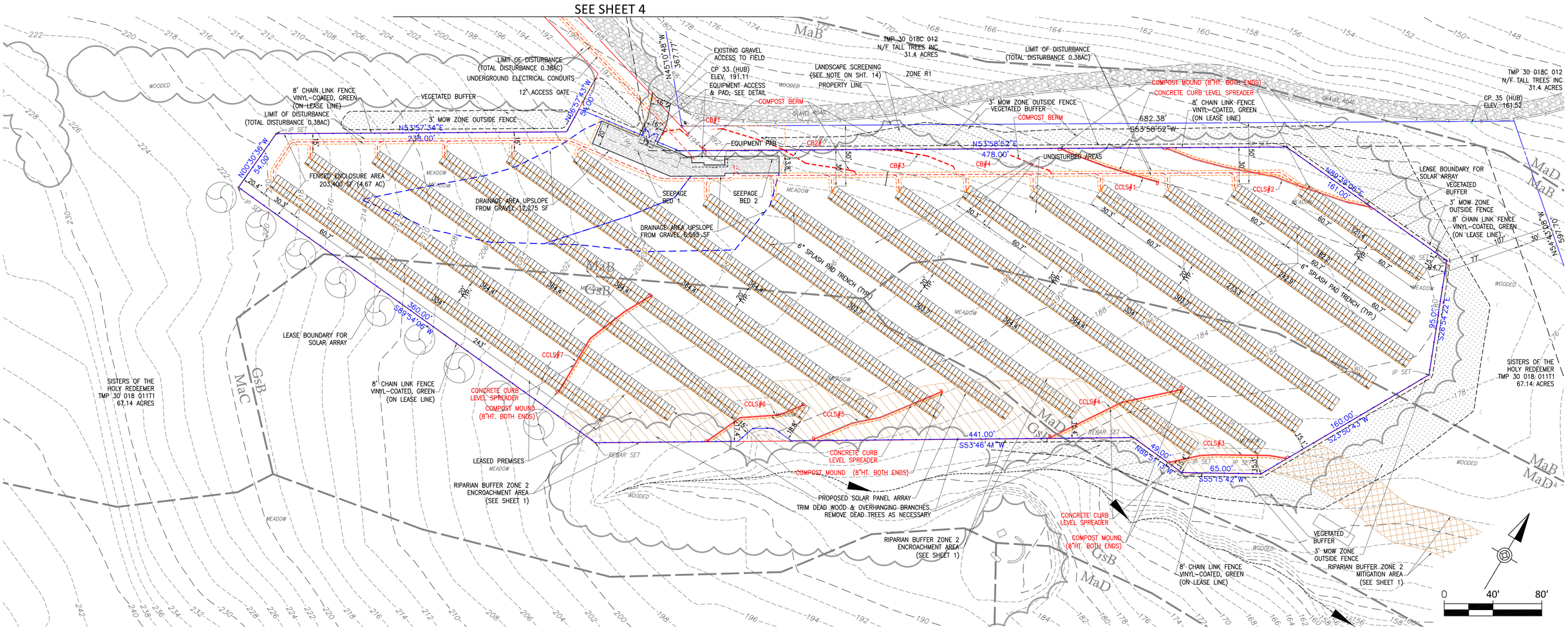
PROJECT:
SOLAR PANEL ARRAY
For Redeemer Village
(Ground Mounted)

PROJECT ADDRESS:
521 Moredon Road
Huntingdon Valley, PA 19006

SHEET:
Proposed Site Plan 1

Project No.: 78.09
Date: 07-16-2022 Scale: As Noted
Drawn by: TFB Checked: TFB

Dwg No. 4



File: Solar_Sht_4-5_Pr_Site.dwg Plotted: 8/16/22 at 1:20pm By: TFBoles1

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PA 1 SYSTEM, INC.
SERIAL NUMBERS: 20202661433
CALL TYPE: DESIGN
CALL 1-800-242-1776

No	Date	Description
		REVISIONS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER TIMOTHY F. BOLES 043690-E

SUBMISSION TYPE:
- FINAL PLAN SUBMISSION
- MINOR PLAN SUBMISSION

ENGINEER:
Boles, Smyth Associates Inc.
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2400 Chestnut Street - Philadelphia PA, 19103
215-561-2644 (P) - 215-561-0501 (F)

OWNER/DEVELOPER:
Sisters of the Redeemer
1600 Huntingdon Pike
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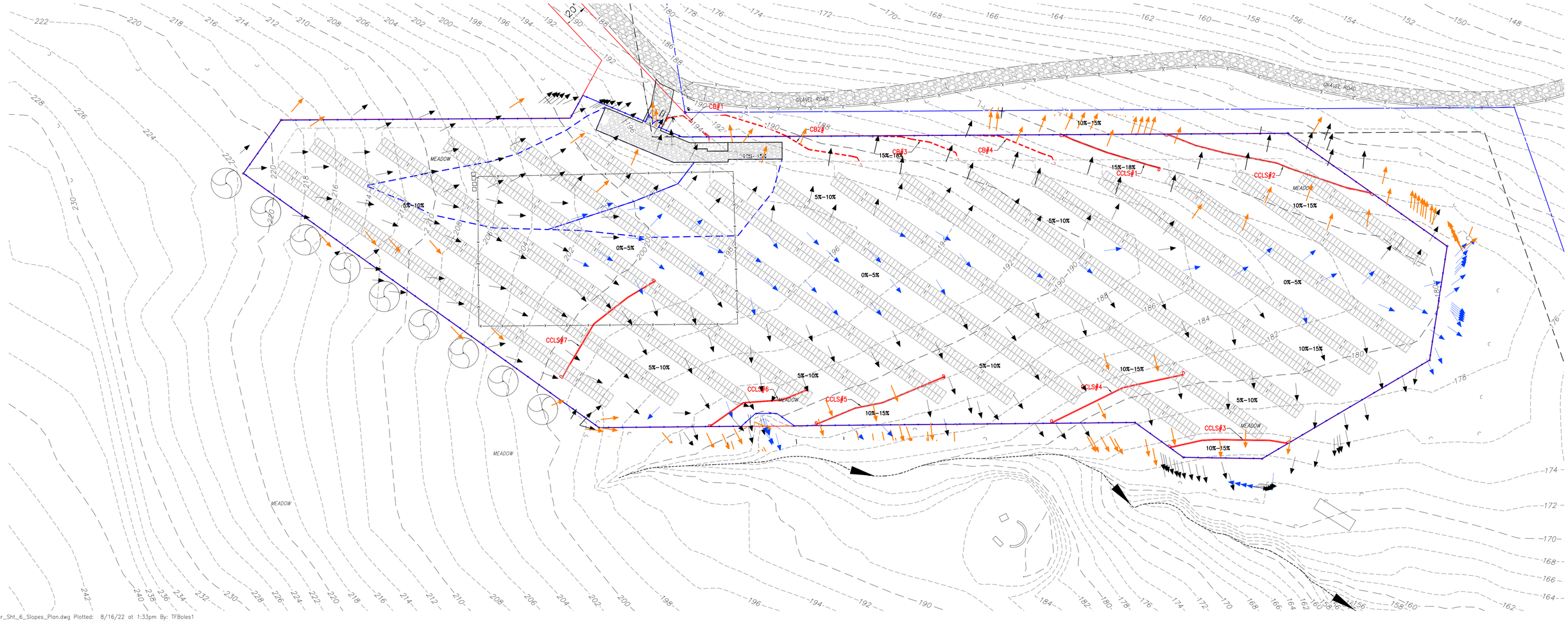
PROJECT:
SOLAR PANEL ARRAY
For Redeemer Village
(Ground Mounted)

PROJECT ADDRESS:
521 Moredon Road
Huntingdon Valley, PA 19006

SHEET:
Proposed Site Plan 2

Project No.: 78.09
Date: 07-16-2022 Scale: As Noted
Drawn by: TFB Checked: TFB

Dwg No. 5



File: Solar_Sht_6_Slopes_Plan.dwg Plotted: 8/16/22 at 1:33pm By: TFBoles1

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CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE – STOP CALL

PA 1 SYSTEM, INC.
CALL 1-800-242-1776

SERIAL NUMBERS: 20202661433
CALL TYPE: DESIGN

No	Date	Description
		REVISIONS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
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ENGINEER
043690-E

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Meadowbrook, PA 19046

PROJECT:

SOLAR PANEL ARRAY
For Redeemer Village
(Ground Mounted)

PROJECT ADDRESS:

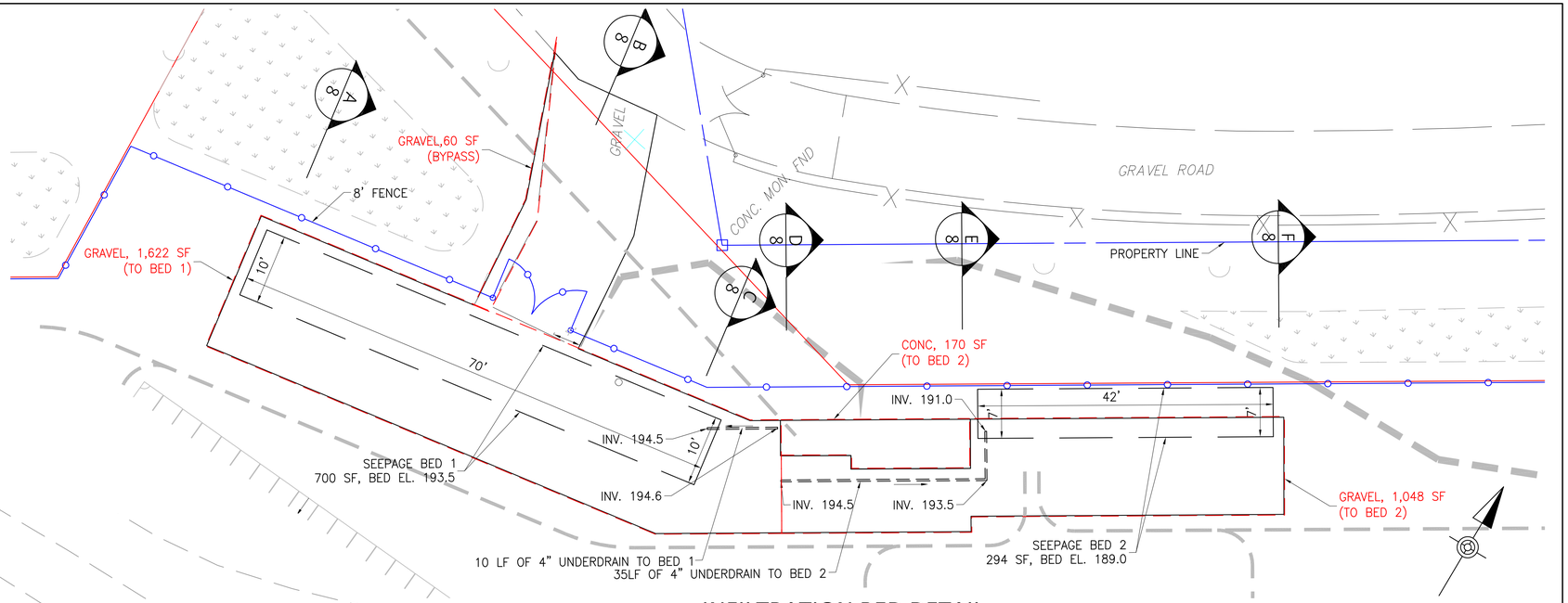
521 Moredon Road
Huntingdon Valley, PA 19006

SHEET:

Existing Slopes Plan

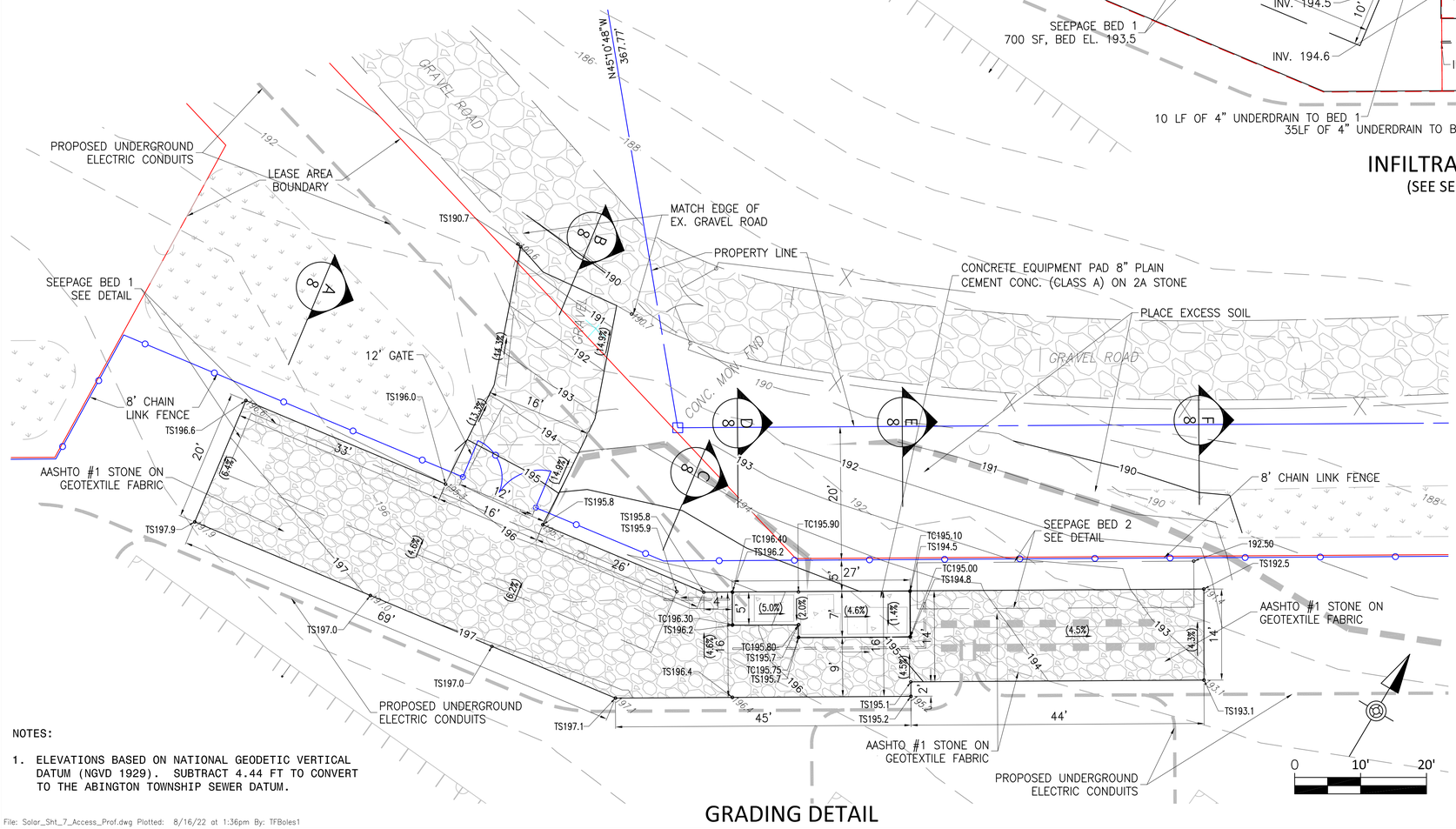
Project No.: 78.09
Date: 07-16-2022 Scale: As Noted
Drawn by: TFB Checked: TFB

Dwg No. 6



INFILTRATION BED DETAIL

(SEE SECTIONS ON SHEET 8)



NOTES:

1. ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM (NGVD 1929). SUBTRACT 4.44 FT TO CONVERT TO THE ABINGTON TOWNSHIP SEWER DATUM.

GRADING DETAIL

Groundwater Recharge Requirement

Recharge Volume (Rev) =1/12 * (I), (CF)
I = Impervious area within LOD, (SF)

Rev =	228	CF	(Total)
Rev =	135	CF	(Bed 1)
Rev =	87	CF	(Bed 2)

Water Volume Control (CG2)

Impervious Area (Total)
2 / 12 * Impervious

2 / 12 * 2730 =	455	CF	(Total)

Impervious to Bed 1

2 / 12 * 1622 =	270	CF	(Bed 1)

Impervious to Bed 2

2 / 12 * 1048 =	175	CF	(Bed 2)

Water Quality Requirement

WQv = [(P) * (Rv) * (A)] / 12 (AF)
P = 1 inch, Rv = 0.05 + 0.009(I), I = % Impervious

A = Area to BMP (Combined)	A =	0.496	AC
	I =	12.6%	
	Rv =	0.051	
	WQv =	0.002	AF
	WQv =	92	CF
A = Area to BMP Bed 1	A =	0.319	AC
	I =	11.7%	
	Rv =	0.051	
	WQv =	0.001	AF
	WQv =	59	CF
A = Area to BMP Bed 2	A =	0.175	AC
	I =	13.7%	
	Rv =	0.051	
	WQv =	0.001	AF
	WQv =	33	CF

521 Moredon Road Solar Array Stormwater Calculations

Proposed Impervious Areas

Cover Type	Area	Unit		Unit
Meadow (Upslope-Bed 1)	12275	SF	0.282	AC +
Meadow (Upslope-Bed 2)	6595	SF	0.151	AC +
	18870		0.433	
Gravel (Bypass)	60	SF	0.001	AC
Gravel (to Bed 1)	1622	SF	0.037	AC
Gravel (to Bed 2)	878	SF	0.020	AC
Concrete (to Bed 2)	170	SF	0.004	AC
	2730	SF	0.063	AC

+ Indicates Undisturbed area

Impervious Area to Bed 1 =	1,622	SF
Impervious Area to Bed 2 =	1,048	SF

Dewatering Time

Bed 1 Storage Capacity *, +	420	CF
Max. Vol. to Bed 1	270	CF
Bed 1 Area	700	SF
Excess Storage	150	CF
Effective Depth	4.63	IN
Dewatering Time	9.3	Hours **
Bed 2 Storage Capacity *, +	294	CF
Max. Vol. to Bed 2	175	CF
Bed 2 Area	294	SF
Excess Storage	119	CF
Effective Depth	7.13	IN
Dewatering Time	14.3	Hours **

* - Additional storage in battered bed sides neglected
** - 0.5 In/hr infiltration rate assumed
\+ - 40% Voids in stone fill

STORMWATER CALCULATIONS

File: Solar_Sht_7_Access_Prof.dwg Plotted: 8/16/22 at 1:36pm By: TFBoles1

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No	Date	Description
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For Redeemer Village
(Ground Mounted)

PROJECT ADDRESS:
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Huntingdon Valley, PA 19006

SHEET:
Equipment Access Area Plan

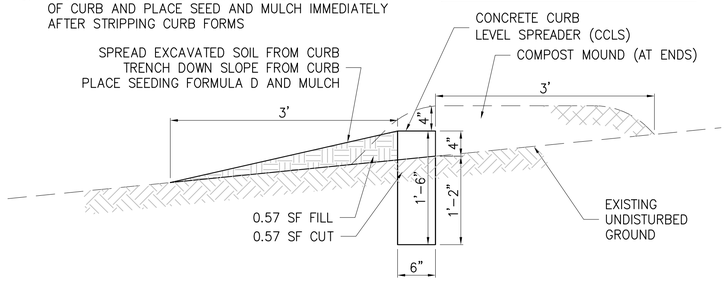
Project No.: 78.09
Date: 07-16-2022 Scale: As Noted
Drawn by: TFB Checked: TFB

Dwg No. 7

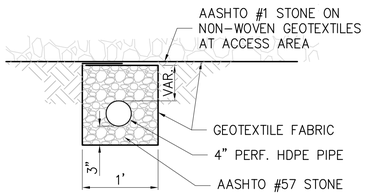
CONCRETE LEVEL SPREADER NOTES:

1. STAKE OUT CURB LEVEL SPREADER ALIGNMENT TO FOLLOW UNIFORM CONTOUR ELEVATION. COORDINATE PANEL INSTALLATION CURB LEVEL SPREADER INSTALLATION.
2. SET TOP OF CURB HEIGHT AT 4 INCHES ABOVE GRADE ON UPSLOPE SIDE OF CURB.
3. TOP OF CURB TO BE DEAD LEVEL FOR FULL LENGTH EVEN AT LOCATIONS WHERE IRREGULARITIES IN THE GROUND MAY OCCUR.
4. PLACE 8" HIGH COMPOST MOUND AT ENDS OF CURB TO PREVENT RUNOFF FROM FLOWING AROUND ENDS.
5. REGRADE WASTE SOIL WITHIN 3' OF DOWNSLOPE SIDE OF CURB AND PLACE SEED AND MULCH IMMEDIATELY AFTER STRIPPING CURB FORMS

CONC. CURB LEVEL SPREADERS			
NO.	GROUND EL.	CURB EL.	LEN. (LF)
CCLS#1	180	180.33	85
CCLS#2	176	176.33	175
CCLS#3	175.5	175.83	100
CCLS#4	181	181.33	115
CCLS#5	188	188.33	110
CCLS#6	191	191.33	90
CCLS#7	199	199.33	110

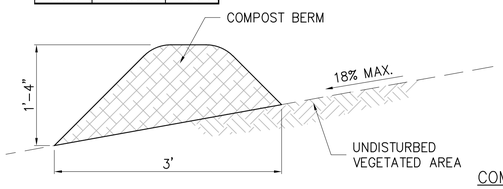


CONCRETE CURB LEVEL SPREADER

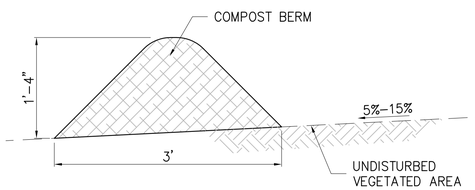


UNDERDRAIN DETAIL

COMPOST BERMS		
NO.	GROUND EL.	LEN. (LF)
CB#1	194	85
CB#2	191	175
CB#3	187	80
CB#4	183	75



MAXIMUM SLOPE CONDITION



TYPICAL SLOPE CONDITION

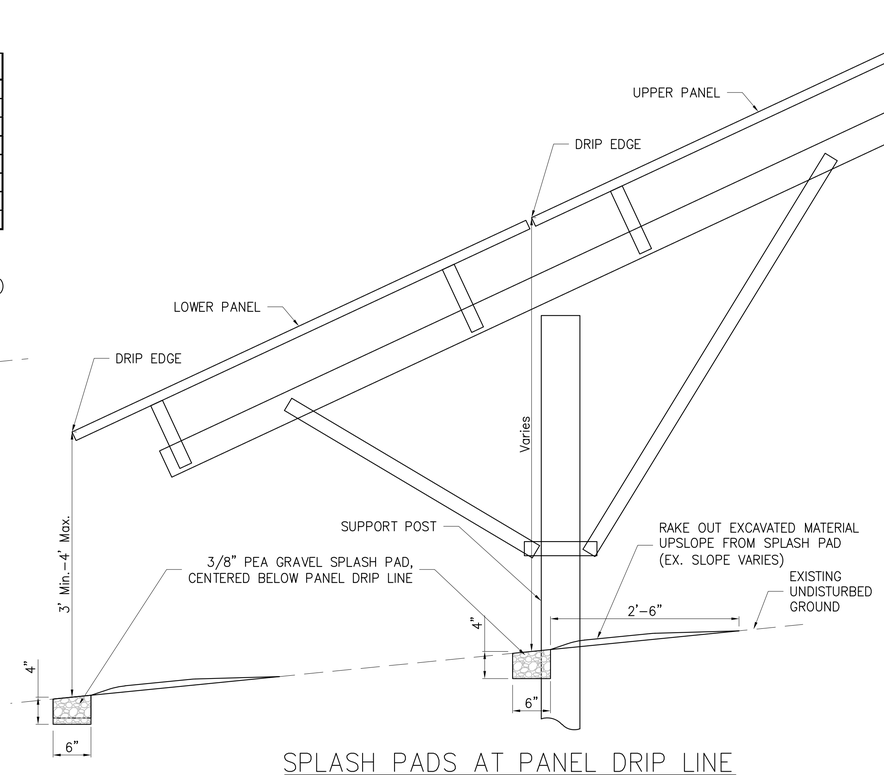
COMPOST BERM DETAIL

COMPOST BERM NOTES:

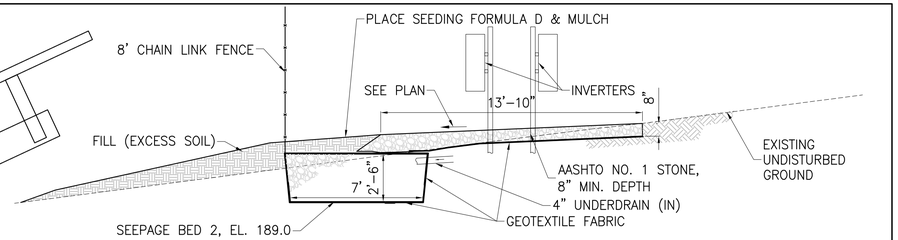
1. PLACE COMPOST BERMS WHERE INDICATED ON PLANS TO DISSIPATE POTENTIAL CONCENTRATED FLOWS PROMOTE INFILTRATION OF STORMWATER RUNOFF FROM THE SITE.
2. COMPOST BERMS TO BE INSTALLED PARALLEL TO CONTOUR GRADE THEN TURNED AND EXTENDED ONE FOOT UPSLOPE AT ENDS TO CONTAIN RUNOFF.
3. COMPOST BERMS TO BE 1 FOOT 4 INCHES HIGH AND 3 FEET WIDE.
4. MOW VEGETATION TO 6" HEIGHT PRIOR TO PLACING COMPOST BERMS.

SEQUENCE OF CONSTRUCTION FOR COMPOST BERM PLACEMENT:

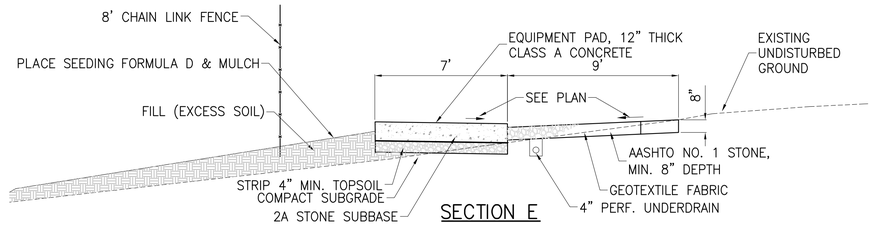
1. STAKE OUT BERM LOCATION AND PLACE ROW OF STAKES AND/OR PAINT MARKINGS ALONG THE CONTOUR ELEVATION OF THE COMPOST BERMS.
2. MOW VEGETATION WITHIN TO APPROXIMATELY 6 INCHES IN HEIGHT PRIOR TO PLACING COMPOST.
3. STAKE OUT UPSLOPE TERMINATIONS AT ENDS TO AT LEAST ONE FOOT ABOVE THE LEVEL PORTION.
4. REVIEW THE BERM STAKE OUT WITH THE OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT OF COMPOST BERMS.
5. UPON ACCEPTANCE, COMPLETE PLACEMENT OF COMPOST BERMS.



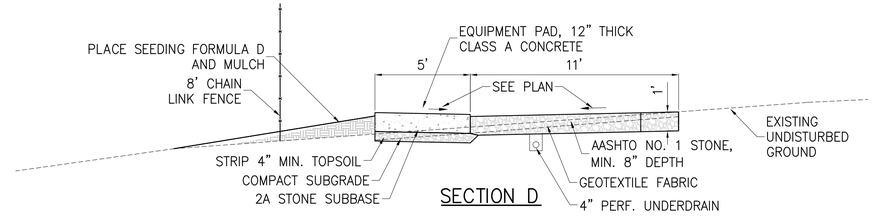
SPLASH PADS AT PANEL DRIP LINE



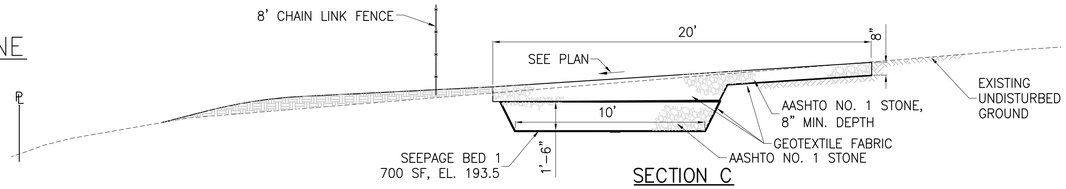
SECTION F



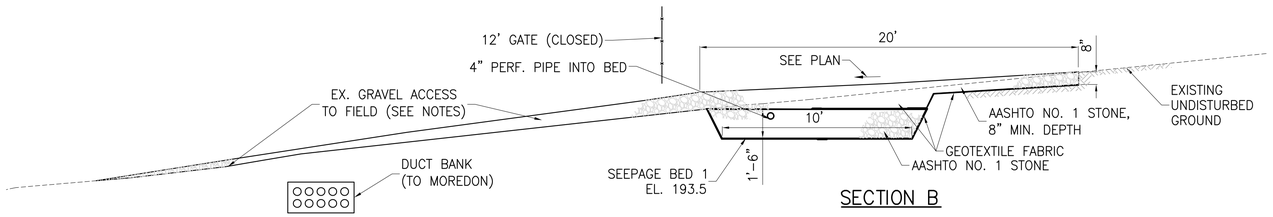
SECTION E



SECTION D



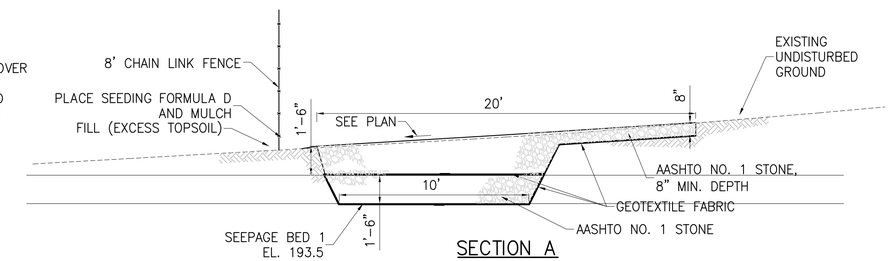
SECTION C



SECTION B

NOTES:

1. WHERE EXISTING ACCESS AREA CURRENTLY HAS GRAVEL STABILIZATION PLACE ADDITIONAL STONE OVER EXISTING STABILIZATION.
2. WHERE WIDENING OF EXISTING ACCESS IS REQUIRED INTO VEGETATED AREAS, STRIP 4" TOPSOIL, PLACE GEOTEXTILE FABRIC AND 8" MIN STONE.



SECTION A

File: Solar_Sht_8_Details.dwg Plotted: 8/16/22 at 1:38pm By: TFBoles1

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE – STOP CALL
PA ONE CALL SYSTEM, INC. SERIAL NUMBERS: 20202661433 CALL TYPE: DESIGN
CALL 1-800-242-1776

No	Date	Description	REVISIONS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER TIMOTHY F. BOLES 043690-E

SUBMISSION TYPE:
- FINAL PLAN SUBMISSION
- MINOR PLAN SUBMISSION

ENGINEER:
Boles, Smyth Associates Inc.
Consulting Civil Engineers
2400 Chestnut Street - Philadelphia PA, 19103
215-561-2644 (P) - 215-561-0501 (F)

OWNER/DEVELOPER:
Sisters of the Redeemer
1600 Huntingdon Pike
Meadowbrook, PA 19046

PROJECT:
SOLAR PANEL ARRAY
For Redeemer Village
(Ground Mounted)

PROJECT ADDRESS:
521 Moredon Road
Huntingdon Valley, PA 19006

SHEET:
Details

Project No.: 78.09
Date: 07-16-2022 Scale: As Noted
Drawn by: TFB Checked: TFB

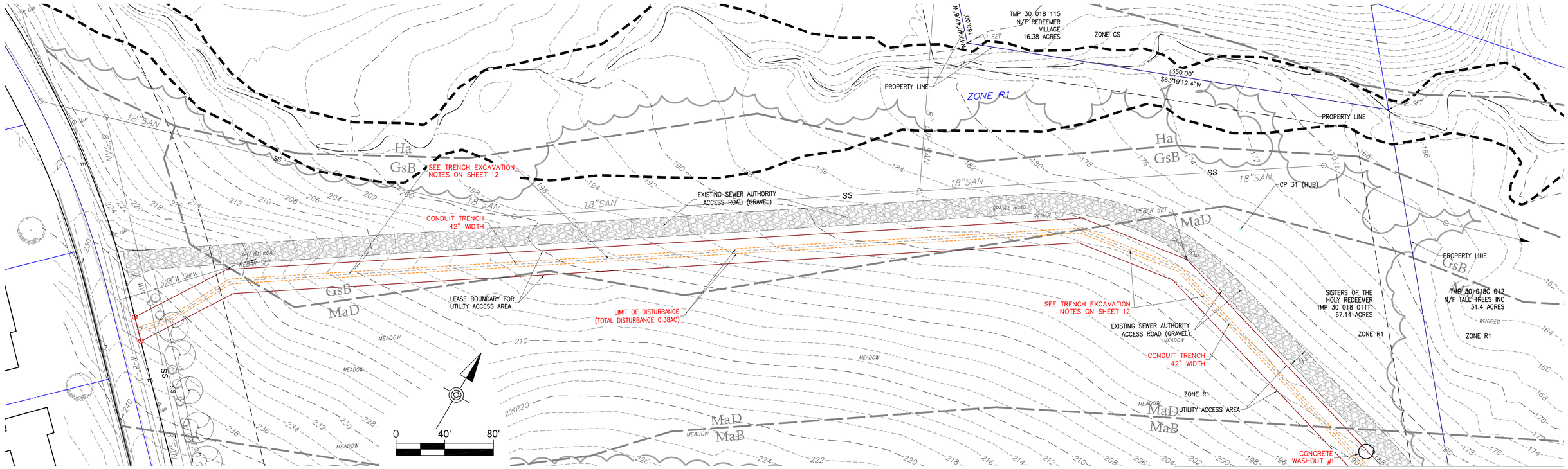
Dwg No. 8

NOTES:

1. PROVIDE CONCRETE WASHOUT IF CONCRETE TRUCKS ARE TO BE WASHED OUT ON THE SITE.
2. SEE TRENCH EXCAVATION NOTES ON SHEET 12.
3. PROVIDE ADDITIONAL COMPOST FILTER SOCK DOWNSLOPE OF ANY UNFORESEEN EARTH DISTURBANCE.

LEGEND

- SOIL TYPE BOUNDARY
- MaB SOIL TYPE
- CFS COMPOST FILTER SOCK
- LIMIT OF DISTURBANCE
- CONCRETE WASHOUT



SEE SHEET 10

File: Solar_Sht_9-10_E&S_Plan.dwg Plotted: 8/16/22 at 1:43pm By: TFBoles1

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE – STOP CALL
PA ONE CALL SYSTEM, INC. SERIAL NUMBERS: 20202661433
CALL 1-800-242-1776 CALL TYPE: DESIGN

No	Date	Description
		REVISIONS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER TIMOTHY F. BOLES 043690-E

SUBMISSION TYPE:
- FINAL PLAN SUBMISSION
- MINOR PLAN SUBMISSION

E & S PLANS PREPARED BY:

TIMOTHY BOLES, P.E.
BOLES, SMYTH ASSOCIATES INC.
2400 CHESTNUT STREET
PHILADELPHIA PA, 19103
215 561 2644

ENGINEER:

Boles, Smyth Associates Inc.
Consulting Civil Engineers
2400 Chestnut Street - Philadelphia PA, 19103
215-561-2644 (P) - 215-561-0501 (F)

OWNER/DEVELOPER:

Sisters of the Redeemer
1600 Huntingdon Pike
Meadowbrook, PA 19046

PROJECT:

SOLAR PANEL ARRAY
For Redeemer Village
(Ground Mounted)

PROJECT ADDRESS:

521 Moredon Road
Huntingdon Valley, PA 19006

SHEET:

Erosion Control Plan

Project No.: 78.09
Date: 07-16-2022 Scale: As Noted
Drawn by: TFB Checked: TFB

Dwg No. 9

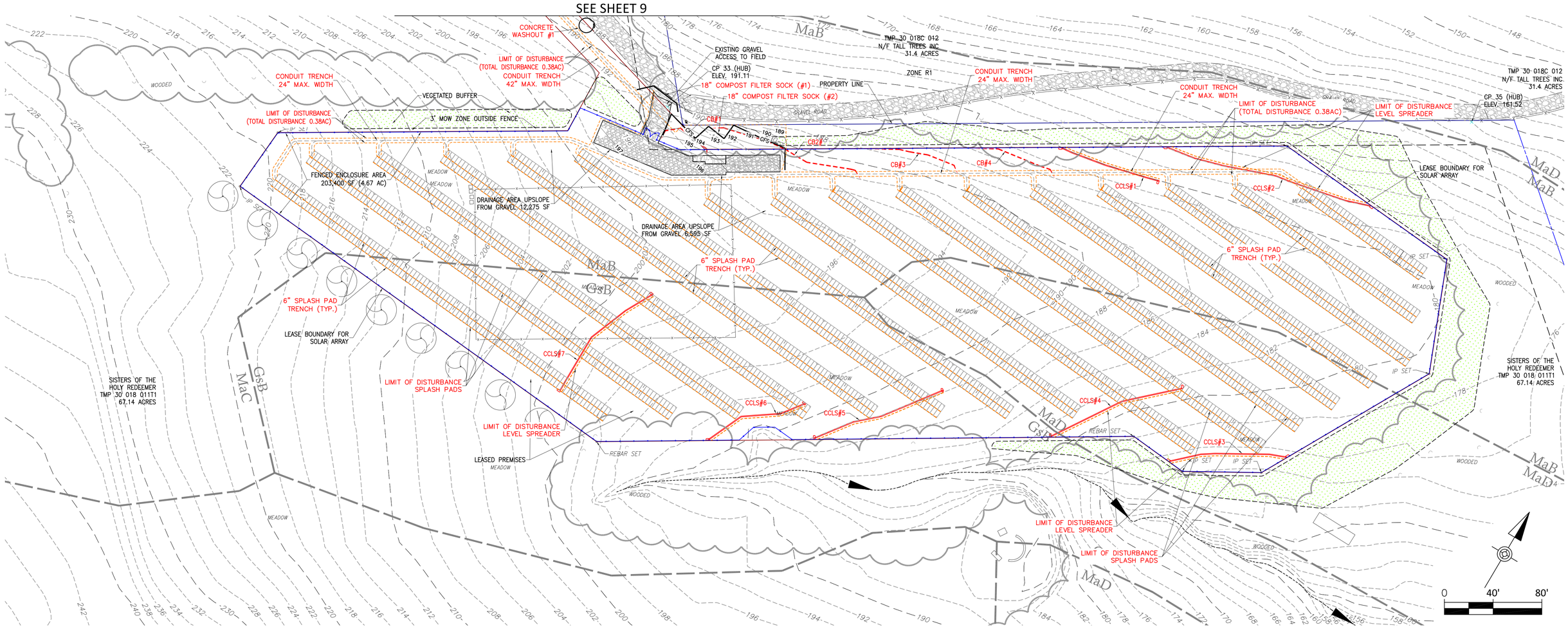
SUMMARY OF EARTH DISTURBANCE	
CONDUIT TRENCH (24")	2,250 SF
CONDUIT TRENCH (42")	4,380 SF
GRAVEL ACCESS AREA	4,600 SF
SPLASH PADS	4,950 SF
CURB LEVEL SPREADERS	400 SF
FENCE POSTS	130 SF
	16,710 SF
SPREAD EXCESS SOIL	14,750 SF

NOTES:

1. PLACE COMPOST FILTER SOCK WHERE INDICATED.
2. SEE TRENCH EXCAVATION NOTES ON SHEET 12.
3. SPREAD EXCAVATED SOIL FROM CONCRETE CURB LEVEL SPREADER AND GRAVEL SPLASH PADS AS INDICATED ON THE DETAILS AND NOTES. SEED AND MULCH THE ARRAS IMMEDIATELY AFTER SPREADING SOIL.
4. PROVIDE ADDITIONAL COMPOST FILTER SOCK DOWNSLOPE OF ANY UNFORESEEN EARTH DISTURBANCE.

LEGEND

- SOIL TYPE BOUNDARY
- MaB SOIL TYPE
- CFS — COMPOST FILTER SOCK
- LIMIT OF DISTURBANCE
- CONCRETE WASHOUT



File: Solar_Sht_9-10_E&S_Plan.dwg Plotted: 8/16/22 at 1:44pm By: TFBoles1

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE – STOP CALL
PA 1 SYSTEM, INC. SERIAL NUMBERS: 20202661433 CALL TYPE: DESIGN
CALL 1-800-242-1776

No	Date	Description
		REVISIONS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER TIMOTHY F. BOLES ENGINEER 043690-E

SUBMISSION TYPE:
- FINAL PLAN SUBMISSION
- MINOR PLAN SUBMISSION

E & S PLANS PREPARED BY:
TIMOTHY BOLES, P.E.
BOLES, SMYTH ASSOCIATES INC.
2400 CHESTNUT STREET
PHILADELPHIA PA, 19103
215 561 2644

ENGINEER:
Boles, Smyth Associates Inc.
Consulting Civil Engineers
2400 Chestnut Street - Philadelphia PA, 19103
215-561-2644 (P) - 215-561-0501 (F)

OWNER/DEVELOPER:
Sisters of the Redeemer
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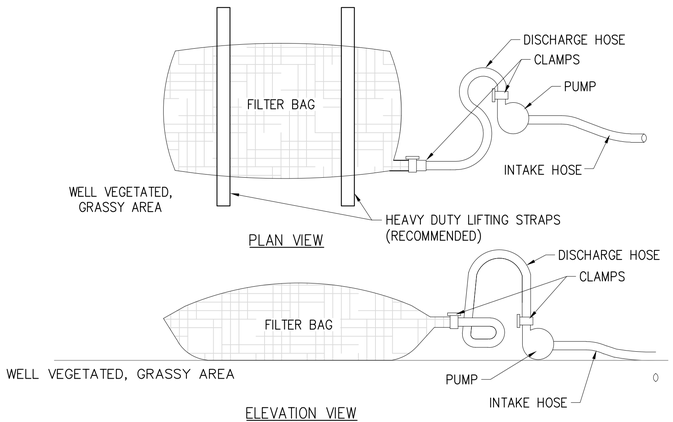
PROJECT:
SOLAR PANEL ARRAY
For Redeemer Village
(Ground Mounted)

PROJECT ADDRESS:
521 Moredon Road
Huntingdon Valley, PA 19006

SHEET:
Erosion Control Plan

Project No.: 78.09
Date: 07-16-2022 Scale: As Noted
Drawn by: TFB Checked: TFB

Dwg No. 10



ELEVATION VIEW

PUMPED WATER FILTER BAG

NOT TO SCALE

NOTES:

1. LOCATE BAGS IN LEVEL AREAS (LESS THAN 5% GRADE). FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

2. LOCATE BAGS IN A WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY.

3. LOCATE BAG IN AN AREA ACCESSIBLE BY MACHINERY FOR MAINTENANCE AND DISPOSAL PURPOSES.

4. THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

5. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

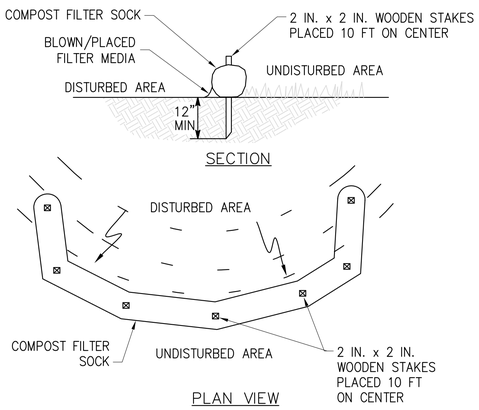
6. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

7. NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

8. FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

9. LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE



COMPOST FILTER SOCK, DIAMETER 12" or 18"

NOT TO SCALE

NOTES:

1. SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

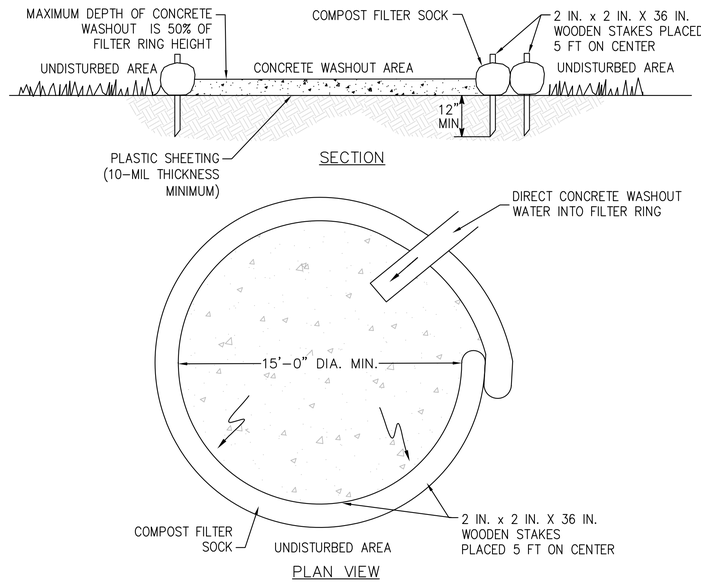
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

5. COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

6. BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.



COMPOST FILTER SOCK CONCRETE WASH, DIAMETER 24"

(INCIDENTAL TO PROJECT)

NOT TO SCALE

NOTES:

1. INSTALL ON GRADE LESS THAN 2%.

2. 18" DIAMETER FILTER SOCKS MAY BE STACKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.

3. THE PIT SHALL BE LINED WITH PLASTIC SHEETING OF AT LEAST 10-MIL THICKNESS (WITH NO HOLES OR TEARS) TO PREVENT LEACHING LIQUIDS INTO THE GROUND, INCIDENTAL TO THIS ITEM.

4. ALL CONCRETE WASHOUT FACILITIES SHOULD BE INSPECTED DAILY. DAMAGED OR LEAKING WASHOUTS SHOULD BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY,

5. ACCUMULATED MATERIALS SHOULD BE REMOVED WHEN THEY REACH 50% CAPACITY.

6. PLASTIC LINERS SHOULD BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY, INCIDENTAL TO THIS ITEM.

File: Solar_Sht_11-13_E&S_Details_Notes.dwg Plotted: 8/16/22 at 2:05pm By: TFBoles1

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL
PA 1 SYSTEM, INC. CALL 1-800-242-1776
SERIAL NUMBERS: 20202661433
CALL TYPE: DESIGN

No	Date	Description
		REVISIONS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
TIMOTHY F. BOLES
ENGINEER
043690-E

SUBMISSION TYPE:
- FINAL PLAN SUBMISSION
- MINOR PLAN SUBMISSION

ENGINEER:
Boles, Smyth Associates Inc.
Consulting Civil Engineers
2400 Chestnut Street - Philadelphia PA, 19103
215-561-2644 (P) - 215-561-0501 (F)

OWNER/DEVELOPER:
Sisters of the Redeemer
1600 Huntingdon Pike
Meadowbrook, PA 19046

PROJECT:
SOLAR PANEL ARRAY
For Redeemer Village
(Ground Mounted)

PROJECT ADDRESS:
521 Moredon Road
Huntingdon Valley, PA 19006

SHEET:
Details

Project No.: 78.09
Date: 07-16-2022 Scale: As Noted
Drawn by: TFB Checked: TFB

Dwg No. 11

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARD EROSION AND SEDIMENT POLLUTION CONTROL PLAN NOTES

1. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
2. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
3. AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
4. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THE SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION.
5. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
6. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMP'S SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
7. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
8. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
9. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
10. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
11. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
12. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
13. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMP'S SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMP'S AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
14. A LOG SHOWING DATES THAT E&S BMP'S WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
15. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEPT INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
16. ALL SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
17. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES – 6 TO 12 INCHES ON COMPACTED SOILS – PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 3 INCHES OF TOPSOIL.
18. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDING, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
19. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 8 INCHES OF THICKNESS.
20. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
21. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
22. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
23. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
24. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
25. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
26. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
27. E&S BMP'S SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
28. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL /CONVERSION OF THE E&S BMP'S.
29. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMP'S MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMP'S. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMP'S SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
30. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
31. FAILURE TO CORRECTLY INSTALL E&S BMP'S, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMP'S MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO $10,000 PER DAY IN CIVIL PENALTIES, UP TO $10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO $25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
32. CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.
33. ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, ROCKS, LEAVES, WOODY DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIAL/WASHES.
34. UNDERGROUND UTILITIES CUTTING THROUGH ANY ACTIVE CHANNEL SHALL BE IMMEDIATELY BACKFILLED AND THE CHANNEL RESTORED TO ITS ORIGINAL CROSS-SECTION AND PROTECTIVE LINING. ANY BASE FLOW WITHIN THE CHANNEL SHALL BE CONVEYED PAST THE WORK AREA IN THE MANNER DESCRIBED IN THIS PLAN UNTIL SUCH RESTORATION IS COMPLETE.
35. CHANNELS HAVING RIPRAP, RENO MATTRESS, OR GABION LININGS MUST BE SUFFICIENTLY OVER-EXCAVATED SO THAT THE DESIGN DIMENSIONS WILL BE PROVIDED AFTER PLACEMENT OF THE PROTECTIVE LINING.
36. EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.
37. FILL MATERIAL FOR EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIALS. THE EMBANKMENT SHALL BE COMPACTED IN MAXIMUM 8" LAYERED LIFTS AT 97% DENSITY.

SOIL EROSION AND SEDIMENT POLLUTION CONTROL PLAN

THE CONTRACTOR IS REQUIRED TO FULLY COMPLY WITH ALL OF THE RULES AND STANDARDS OF THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, INCLUDING THE CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENT POLLUTION CONTROLS AS SPECIFIED IN THE EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL DATED DECEMBER 2012 AND PREPARED BY THE BUREAU OF WATER QUALITY PROTECTION, DEPARTMENT OF ENVIRONMENTAL PROTECTION, COMMONWEALTH OF PENNSYLVANIA.

ALL SEEDING, MIXTURES, LIMING AND FERTILIZATION, SELECTION, TIME OF SEEDING, SEEDING METHODS MULCHING, AND TURFING SHALL FULLY COMPLY WITH PENN STATE UNIVERSITY'S "THE AGRONOMY GUIDE" AS A STANDARD AND SHALL BE IN ACCORDANCE WITH THE PROPER SPECIFICATIONS. ALL DISTURBED AREAS WILL BE STABILIZED USING INTERIM MEASURES SUCH AS MULCHING OR TEMPORARY SEEDING TO CONTROL DUST AND EROSION. SEE VEGETATIVE SURFACE STABILIZATION.

EROSION CONTROL MEASURES

TEMPORARY:
TEMPORARY CONTROL MEASURES INCLUDE COMPOST FILTER SOCKS, INLET FILTERS, TEMPORARY COFFERDAM, COMPOST FILTER SOCK CONCRETE WASH, AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS. COMPOST FILTER SOCK SHALL BE USED TO INTERCEPT SHEET RUNOFF. INLET FILTERS ARE A LAYER OF FILTER FABRIC PLACED OVER INLETS TO FILTER OUT SEDIMENT FROM THE RUNOFF FLOWING INTO THE INLETS. MAINTENANCE IS THE REGULAR AND ROUTINE INSPECTION CLEANING OF THE SEDIMENT AND EROSION CONTROLS, AND THE REPAIR OF THOSE CONTROLS TO PREVENT POLLUTION OF THE WATERS OF THE COMMONWEALTH OF PENNSYLVANIA.

PERMANENT:
ALL AREAS OF EARTH DISTURBED BY CONSTRUCTION SHALL BE SEEDED AND MULCHED IMMEDIATELY AFTER COMPLETION OF CONSTRUCTION. IN THE EVENT THAT SEEDING CANNOT TAKE PLACE IMMEDIATELY DUE TO WEATHER CONDITIONS, MULCH OR HEAVY EROSION CONTROL MATS WILL BE SPREAD OVER THE DISTURBED AREAS UNTIL SEEDING MAY BE PROPERLY COMPLETED.

MAINTENANCE PROGRAM FOR SEDIMENT AND EROSION CONTROLS

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL FACILITIES DURING CONSTRUCTION. ALL DAMAGED FACILITIES SHALL BE REPAIRED WITHIN 24 HOURS. WHEN SILT HAS ACCUMULATED TO THE SPECIFIED OR INDICATED DEPTH AGAINST OR AROUND ANY CONTROL FACILITY THE SILT WILL BE REMOVED IMMEDIATELY BY THE CONTRACTOR AND RETURNED TO THE SITE.

THE CONTRACTOR WILL NOT REMOVE ANY CONTROL FACILITY UNTIL ALL TRIBUTARY AREAS ARE STABILIZED AND UNTIL A FINAL INSPECTION IS PERFORMED. MATERIALS USED FOR EROSION CONTROL WILL BE DISPOSED OF OFF-SITE WHEN REMOVED. SUCH MATERIALS ARE CONSIDERED PROPERTY OF THE CONTRACTOR.

DEWATERING OF EXCAVATION:
WHERE PUMPING IS REQUIRED TO DEWATER EXCAVATED AREAS, WATER MUST BE PUMPED TO A FILTER BAG OR OTHER APPROVED FACILITY.

COMPOST FILTER SOCKS:
STORMWATER FROM DISTURBED AREAS MUST BE FILTERED THROUGH COMPOST FILTER SOCKS UNTIL THE TRIBUTARY AREAS ARE STABILIZED.
SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH STORM EVENT. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE HEIGHT OF THE SOCK. DAMAGED SOCKS SHALL BE REPAIRED OR REPLACED.

INLET FILTERS:
STORMWATER INLETS MUST BE PROTECTED WITH STONE FILTERS OR FILTER FABRIC UNTIL THE TRIBUTARY AREAS ARE STABILIZED.
SEDIMENT MUST BE REMOVED FROM INLET PROTECTION AFTER EACH STORM EVENT.

COMPLIANCE WITH STATE AND LOCAL REQUIREMENTS

THE EROSION & SEDIMENT POLLUTION CONTROL REPORT, APPLICATION DOCUMENTS, NARRATIVE(S), CONTRACT PLANS AND SPECIFICATIONS ARE ALL INCLUDED HEREWITH BY REFERENCE AS AN INTEGRAL PART OF THIS CONTRACT. ANY QUESTIONS, COMMENTS, APPROVAL CONDITIONS OR PERMIT REQUIREMENTS CONTAINED WITHIN A REGULATORY REVIEW LETTER (OR THE ENGINEER'S RESPONSE TO A REGULATORY REVIEW LETTER) FOR THIS PROJECT ARE HEREBY INCLUDED AS AN INTEGRAL PART OF THIS CONTRACT, AND THE CONTRACTOR SHALL FULLY COMPLY WITH ANY APPROVAL CONDITIONS OR PERMIT REQUIREMENTS AS IF THEY WERE INCLUDED HEREWITH IN THEIR FULL TEXT. COPIES OF ALL STATE AND LOCAL REGULATORY AGENCY REVIEWS, COMMENTS, APPROVAL CONDITIONS OR PERMIT REQUIREMENTS MAY BE OBTAINED THROUGH THE ENGINEER OR COUNTY CONSERVATION DISTRICT OFFICE.

TRENCH EXCAVATION NOTES

1. LIMIT ADVANCED CLEARING AND GRUBBING OPERATIONS TO A DISTANCE EQUAL TO TWO TIMES THE LENGTH OF PIPE INSTALLATION THAT CAN BE COMPLETED IN ONE DAY.
2. WORK CREWS AND EQUIPMENT FOR TRENCHING, PLACEMENT OF PIPE, PLUG CONSTRUCTION AND BACKFILLING WILL BE SELF CONTAINED AND SEPARATE FROM CLEARING AND GRUBBING AND SITE RESTORATION AND STABILIZATION OPERATIONS.
3. ALL SOIL EXCAVATED FROM THE TRENCH SHALL BE PLACED ON THE UPHILL SIDE OF THE TRENCH.
4. LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT, PLUG INSTALLATION AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY.
5. WATER WHICH ACCUMULATES IN THE OPEN TRENCH SHALL BE COMPLETELY REMOVED BY PUMPING BEFORE PIPE PLACEMENT AND/OR BACKFILLING BEGINS. WATER REMOVED FROM THE TRENCH SHALL BE PUMPED THROUGH A FILTRATION DEVICE.
6. ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA SHALL BE GRADED TO E&S STAGE CONTOURS OR FINAL CONTOURS AND IMMEDIATELY STABILIZED.
7. TOPSOIL EXCAVATED FROM EXISTING SURFACE LAYER SHOULD BE STOCKPILED SEPARATELY AND RETURNED AS FINAL SURFACE LAYER FOLLOWING TRENCH BACKFILLING.

File: Solar_Sht_11-13_E&S_Details_Notes.dwg Plotted: 8/16/22 at 2:05pm By: TFBoles1

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE – STOP CALL
PA ONE CALL SYSTEM, INC. SERIAL NUMBERS: 20202661433 CALL TYPE: DESIGN
CALL 1-800-242-1776

No	Date	Description	REVISIONS

COMMONWEALTH OF PENNSYLVANIA – REGISTERED PROFESSIONAL – TIMOTHY F. BOLES – ENGINEER 043690-E

SUBMISSION TYPE:
- FINAL PLAN SUBMISSION
- MINOR PLAN SUBMISSION

ENGINEER:
Boles, Smyth Associates Inc.
Consulting Civil Engineers
2400 Chestnut Street - Philadelphia PA, 19103
215-561-2644 (P) - 215-561-0501 (F)

OWNER/DEVELOPER:
Sisters of the Redeemer
1600 Huntingdon Pike
Meadowbrook, PA 19046

PROJECT:
SOLAR PANEL ARRAY
For Redeemer Village
(Ground Mounted)

PROJECT ADDRESS:
521 Moredon Road
Huntingdon Valley, PA 19006

SHEET:
Erosion Control Details& Notes

Project No.: 78.09
Date: 07-16-2022 Scale: As Noted
Drawn by: TFB Checked: TFB

Dwg No. 12

PREPAREDNESS, PREVENTION AND CONTINGENCY PLAN (PPC)

1. A PPC PLAN IS REQUIRED IF CHEMICALS, SOLVENTS, HAZARDOUS WASTES, OR ANY MATERIAL WITH THE POTENTIAL FOR CAUSING ACCIDENTAL POLLUTION OF AIR, LAND, OR WATER, ARE STORED OR UTILIZED ON THE SITE.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PREPARE A "PREPAREDNESS, PREVENTION AND CONTINGENCY (PPC) PLAN" FOR THE PROPOSED CONSTRUCTION ACTIVITIES TO CONTROL THE POTENTIAL DISCHARGE OF POLLUTANTS CARRIED IN STORM WATER.
3. BOTH THE E&S AND THE PPC PLAN ARE TO BE MAINTAINED ONSITE FOR THE DURATION OF THE PERMIT.
4. FOLLOW THIS FORMAT AND INCLUDE THESE ELEMENTS FOR THE PPC PLAN:

A. GENERAL DESCRIPTION FOR THE CONSTRUCTION ACTIVITY
- INCLUDE DRAWINGS SHOWING GENERAL LAYOUT OF SITE, PROPERTY BOUNDARIES, MATERIALS STORAGE AREAS, LOADING AND UNLOADING OPERATION SITES, TRUCK WASHING AREAS, IN ADDITION TO THE FEATURES OF THE E&S PLANS.

B. EMERGENCY RESPONSE PROGRAM
- DESCRIBE THE ORGANIZATION STRUCTURE, CHAIN OF COMMAND, EMERGENCY COORDINATORS AND CONTACTS. INCLUDE DESCRIPTIONS OF EACH INDIVIDUAL'S DUTIES AND RESPONSIBILITIES WITHIN THE CHAIN OF COMMAND FOR IMPLEMENTATION OF THE PPC PLAN.
- IDENTIFY ON THE ORGANIZATIONAL CHART A LIST OF EMERGENCY COORDINATORS THAT MUST BE CONTACTED IN THE EVENT OF AN EMERGENCY OR SPILL.
- DESCRIBE THE DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR SPECIFIC TO THE SITE OR ACTIVITY IN THE EVENT OF AN IMMINENT OR ACTUAL EMERGENCY.
- INCLUDE ON THE ORGANIZATIONAL CHART OR ON AN ATTACHMENT, A LIST OF AGENCIES AND PHONE NUMBERS THAT MUST BE CONTACTED IN THE EVENT OF AN EMERGENCY OR SPILL.
  SUCH A LIST INCLUDES AS APPLICABLE:
  PA DEP
  PA EMERGENCY MANAGEMENT AGENCY
  COUNTY HEALTH DEPARTMENT AND CONSERVATION DISTRICT
  PA FISH & BOAT COMMISSION
  THE NATIONAL RESPONSE CENTER (U.S. EPA AND U.S. COAST GUARD),
  TOWNSHIP, LOCAL POLICE AND FIRE DEPARTMENTS
  LOCAL SEWAGE TREATMENT PLANT
  DOWNSTREAM PUBLIC WATER SUPPLIES
  INDUSTRIAL WATER USERS
  RECREATION AREAS
- INTERNAL AND EXTERNAL COMMUNICATIONS AND ALARM SYSTEMS.

C. EMPLOYEE TRAINING PROGRAM
- LIST OF EMERGENCY EQUIPMENT. INCLUDE THE LOCATION, PHYSICAL DESCRIPTION, INTENDED USE AND CAPABILITIES OF EACH ITEM.
- MAINTENANCE PROCEDURES AND DECONTAMINATION PROCEDURES OF EMERGENCY EQUIPMENT.
- EVACUATION PLAN FOR INSTALLATION PERSONNEL (IF DEEMED NECESSARY).
- ARRANGEMENTS WITH EMERGENCY RESPONSE CONTRACTORS. PROVIDE LIST WITH PHONE NUMBERS AND THE SERVICES EACH CONTRACTOR WILL PROVIDE.
- INFORM LOCAL EMERGENCY RESPONSE AGENCIES AND HOSPITALS CONCERNING THE TYPE OF POTENTIAL EMERGENCIES THAT MAY OCCUR AND THE NEED FOR SERVICES.
- FAMILIARIZE LOCAL POLICE, FIRE DEPARTMENT, EMERGENCY RESPONSE TEAMS AND THE COUNTY EMERGENCY MANAGEMENT COORDINATOR WITH THE LAYOUT OF THE CONSTRUCTION SITE, THE PROPERTIES AND DANGERS ASSOCIATED WITH THE HAZARDOUS MATERIALS (IF ANY) HANDLED, PLACES WHERE PERSONNEL WOULD BE NORMALLY WORKING, ENTRANCES TO ACCESS ROADS INSIDE THE FACILITY, AND ANY POSSIBLE EVACUATION ROUTES.

D. MATERIALS AND WASTE INVENTORY
- INFORM LOCAL EMERGENCY RESPONSE AGENCIES AND HOSPITALS CONCERNING THE TYPE OF POTENTIAL EMERGENCIES THAT MAY OCCUR AND THE NEED FOR SERVICES.
- FOR EACH HAZARDOUS CHEMICAL STORED AT THE CONSTRUCTION SITE, THE LOCATION MATERIAL SAFETY DATA SHEET OR SIMILAR INFORMATION IS TO BE CLEARLY CITED IN THE PPC PLAN.

E. SPILL AND LEAK PREVENTION AND RESPONSE
- DESCRIBE THE SOURCE AND AREAS FOR POTENTIAL LEAKS AND SPILLS, THE PROBABLE DIRECTION OF FLOW OF SPILLED MATERIALS AND THE POLLUTION INCIDENT MEASURE SPECIFIC TO THE SOURCE OR AREA.
- PROVIDE SEPARATE DRAWINGS OR PLOT PLANS TO SUPPLEMENT THE ABOVE.

F. INSPECTION PROGRAM
- DESCRIBE THE INSPECTION PROGRAM AND MONITORING PROCEDURES TO ASSESS THE INTEGRITY OF EQUIPMENT, STORAGE AREAS AND SIMILAR AREAS.

G. HOUSEKEEPING PROGRAM
- IDENTIFY THE AREAS AND THE ASSOCIATED TYPE OF HOUSEKEEPING PRACTICES TO MINIMIZE THE POSSIBILITY OF ACCIDENTAL SPILLS AND SAFETY HAZARDS TO PERSONNEL.

H. SECURITY MEASURES
- DESCRIBE SECURITY PROCEDURES AND SYSTEMS AT THE SITE TO PREVENT ACCIDENTAL OR INTENTIONAL ENTRY THAT COULD RESULT IN A VIOLATION OF DEPARTMENTAL REGULATIONS, AND/OR INJURY TO PERSONS AND DAMAGE TO EQUIPMENT.

I. EXTERNAL FACTORS
- DESCRIBE THE POSSIBLE EFFECTS OF EXTERNAL FACTORS SUCH AS POWER OUTAGES, STRIKES, FLOODS, SNOWSTORMS, ETC. AND ANY ACTION TO BE TAKEN TO ALLEVIATE ANY RESULTING EFFECTS TO PUBLIC HEALTH SAFETY OR THE ENVIRONMENT.

ENVIRONMENTAL DUE DILIGENCE

IF THE SITE WILL NEED TO IMPORT OR EXPORT MATERIAL FROM THE SITE, THE RESPONSIBILITY FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE AND DETERMINATION OF CLEAN FILL WILL REST WITH THE GENERAL CONTRACTOR.

CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE).

CLEAN FILL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE: FILL MATERIALS AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE STILL QUALIFIES AS CLEAN FILL PROVIDED THE TESTING REVEALS THAT THE FILL MATERIAL CONTAINS CONCENTRATIONS OF REGULATED SUBSTANCES THAT ARE BELOW THE RESIDENTIAL LIMITS IN TABLES FP-1A AND FP-1B FOUND IN THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL".

ANY PERSON PLACING CLEAN FILL THAT HAS BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE MUST USE FORM FP-001 TO CERTIFY THE ORIGIN OF THE FILL MATERIAL AND THE RESULTS OF THE ANALYTICAL TESTING TO QUALIFY THE MATERIAL AS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE OWNER OF THE PROPERTY RECEIVING THE FILL. A COPY OF FORM FP-001 CAN BE FOUND AT THE END OF THESE INSTRUCTIONS.

ENVIRONMENTAL DUE DILIGENCE: THE APPLICANT MUST PERFORM ENVIRONMENTAL DUE DILIGENCE TO DETERMINE IF THE FILL MATERIALS ASSOCIATED WITH THE PROJECT QUALIFY AS CLEAN FILL. ENVIRONMENTAL DUE DILIGENCE IS DEFINED AS: INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS. ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECTED TO A SPILL OR RELEASE OF REGULATED SUBSTANCE. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL".

FILL MATERIAL THAT DOES NOT QUALIFY AS CLEAN FILL IS REGULATED FILL. REGULATED FILL IS WASTE AND MUST BE MANAGED IN ACCORDANCE WITH THE DEPARTMENT'S MUNICIPAL OR RESIDUAL WASTE REGULATIONS BASED ON 25 PA. CODE CHAPTERS 287 RESIDUAL WASTE MANAGEMENT OR 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS APPLICABLE. THESE REGULATIONS ARE AVAILABLE ON-LINE AT WWW.PACODE.COM

MONITORING, INSPECTION, AND REPORTING REQUIREMENTS

VISUAL INSPECTIONS
THE PERMITTEE AND COPERMITTEE(S) MUST ENSURE THAT VISUAL SITE INSPECTIONS ARE CONDUCTED WEEKLY, AND WITHIN 24 HOURS AFTER EACH MEASURABLE RAINFALL EVENT THROUGHOUT THE DURATION OF CONSTRUCTION AND UNTIL THE RECEIPT AND ACKNOWLEDGEMENT OF THE NOT BY THE DEPARTMENT OR AUTHORIZED CONSERVATION DISTRICT. THE VISUAL SITE INSPECTIONS AND REPORTS SHALL BE COMPLETED IN A FORMAT PROVIDED BY THE DEPARTMENT, AND CONDUCTED BY QUALIFIED PERSONNEL, TRAINED AND EXPERIENCED IN EROSION AND SEDIMENT CONTROL, TO ASCERTAIN THAT E&S BMPS ARE PROPERLY CONSTRUCTED AND MAINTAINED TO EFFECTIVELY MINIMIZE POLLUTION TO THE WATERS OF THIS COMMONWEALTH. A WRITTEN REPORT OF EACH INSPECTION SHALL BE KEPT AND INCLUDE AT A MINIMUM:
(1) A SUMMARY OF SITE CONDITIONS, E&S BMP IMPLEMENTATION AND MAINTENANCE AND COMPLIANCE ACTIONS; AND
(2) THE DATE, TIME, NAME AND SIGNATURE OF THE PERSON CONDUCTING THE INSPECTION.

NONCOMPLIANCE REPORTING
WHERE E&S OR PPC BMPS ARE FOUND TO BE INOPERATIVE OR INEFFECTIVE DURING AN INSPECTION, OR ANY OTHER TIME, THE PERMITTEE AND COPERMITTEE(S) SHALL, WITHIN 24 HOURS, CONTACT THE DEPARTMENT OR AUTHORIZED CONSERVATION DISTRICT, BY PHONE OR PERSONAL CONTACT, FOLLOWED BY THE SUBMISSION OF A WRITTEN REPORT WITHIN 5 DAYS OF THE INITIAL CONTACT. NONCOMPLIANCE REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:

(1) ANY CONDITION ON THE PROJECT SITE WHICH MAY ENDANGER PUBLIC HEALTH, SAFETY, OR THE ENVIRONMENT, OR INVOLVE INCIDENTS WHICH CAUSE OR THREATEN POLLUTION;
(2) THE PERIOD OF NONCOMPLIANCE, INCLUDING EXACT DATES AND TIMES AND/OR ANTICIPATED TIME WHEN THE ACTIVITY WILL RETURN TO COMPLIANCE;
(3) STEPS BEING TAKEN TO REDUCE, ELIMINATE, AND PREVENT RECURRENCE OF THE NONCOMPLIANCE; AND
(4) THE DATE OR SCHEDULE OF DATES, AND IDENTIFYING REMEDIES FOR CORRECTING NONCOMPLIANCE CONDITIONS.

REDUCTION, LOSS, OR FAILURE OF THE BMPS
UPON REDUCTION, LOSS, OR FAILURE OF THE BMPS, THE PERMITTEE AND COPERMITTEE SHALL TAKE IMMEDIATE ACTION TO RESTORE THE BMPS OR PROVIDE AN ALTERNATIVE METHOD OF TREATMENT. SUCH RESTORED BMPS OR ALTERNATIVE TREATMENT SHALL BE AT LEAST AS EFFECTIVE AS THE ORIGINAL BMPS.

TEMPORARY STABILIZATION AND PERMANENT STABILIZATION

ALL DISTURBED AREAS ARE TO BE STABILIZED AS SOON AS POSSIBLE AFTER THE WORK IN THE AREA IS COMPLETED. USE THE FOLLOWING SEEDING AND SOIL SUPPLEMENT FORMULAS UNLESS OTHERWISE INDICATED OR DIRECTED.

- TEMPORARY SEEDING – FORMULA E
- PERMANENT LAWN AREAS 3:1 OR FLATTER – FORMULA D
- VEGETATED BUFFER AREA – FORMULA N

SEEDING REQUIREMENTS					
FORMULA AND SPECIES	% By Weight	Minimum % Purity	Minimum % Germination	Max % Weed Seed	Seeding Rate lb/1000 yd2
FORMULA D CONCSERVATION MIX					**50.0 Total**
Tall Fescue (Festuca arundinacea var. Kentucky 31)	60	96	85	0.10	30
Creeping Red Fescue or Chewings Fescue (Festuca rubra or ssp commutate) (Improved and Certified)	30	97	85	0.10	15
Annual Ryegrass (Lolium multiflorum)	10	95	90	0.10	5
FORMULA E					**10.0 Total**
Annual Ryegrass (Lolium multiflorum)	100	95	90	0.10	10
Formula N Conservation Mix					**30.0 Total**
Hard Fescue mixture (Festuca longifolia)*	30	97	85	0.10	9.0
Creeping Red Fescue (Festuca rubra)**	30	97	85	0.10	9.0
Little Bluestem (Andropogon scoparius)	4	80	70	0.20	1.2
Canada Wild Rye (Elymus canadeis)	6	85	70	0.20	1.8
Virginia Wild Rye (Elymus virginicus)	3	85	70	0.20	1.2
Indiangrass (Sorghastrum nutans)	10	85	70	0.20	0.9
Annual Ryegrass (Lolium multiflorum)	5	95	90	0.10	3.0
Black Eyed Susan (Rudbeckia hirta)	3	80	60	0.20	1.5
New England Aster (Symphyotrichum novae-anglie)	5	80	50	0.20	0.9
Ox-eye Sunflower (Heliopsis helianthoides)	12	80	60	0.20	1.5

* A combination of improved certified varieties with no one variety exceeding 50% of the total Hard Fescue component
** Improved and Certified

APPLY SOIL SUPPLEMENTS AND FERTILIZER AS FOLLOWS:
- Pulverized Agricultural Limestone 800 lb/1000 yd2
- 10-20-20 Analysis Commercial Fertilizer 140 lb/1000 yd2
- 38-0-0 Ureaform Fertilizer 50 lb/1000 yd2
  OR
- 32-0-0 to 38-0-0 Sulfur Coated Urea Fertilizer 59 lb/1000 yd2 to 50 lb/1000 yd2
  OR
- 31-0-0 IBDU Fertilizer 61 lb/1000 yd2

HAY MULCH MUST BE APPLIED AT 3.0 TONS PER ACRE.

HAY MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN.

UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMP'S MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMP'S AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGARDING, RESEEDING, REMULCHING, AND RENETTING, MUST BE DONE IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS TO THOSE INSTALLED WILL BE REQUIRED.

SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN UPSLOPE AREAS PROTECTED WITH EROSION CONTROLS AND OUTSIDE OF STEEP SLOPES, WETLANDS OR DRAINAGE SWALES AND ARE TO BE IMMEDIATELY STABILIZED WHEN MATERIAL PLACEMENT IS COMPLETE

THE PROJECTS RECEIVING WATERCOURSE IS PENNYPACK CREEK

DUST CONTROL

THE CONTRACTOR SHALL EMPLOY CONSTRUCTION METHODS AND MEANS THAT WILL KEEP AIRBORNE DUST TO THE MINIMUM. HE SHALL PROVIDE FOR THE SPRAYING OF WATER ON THE PROJECT AREA, AND ON ROADS, STREETS, AND OTHER AREAS IMMEDIATELY ADJACENT TO THE PROJECT LIMITS, WHEREVER TRAFFIC, OR BUILDINGS THAT ARE OCCUPIED OR IN USE, ARE AFFECTED BY SUCH DUST CAUSED BY HIS HAULING OR OTHER OPERATIONS. THE MATERIALS AND METHODS USED FOR WATER SPRAYING SHALL BE SUBJECT TO APPROVAL PRIOR TO USE. THE CONTRACTOR SHALL PROVIDE FOR PROMPT REMOVAL FROM EXISTING PAVING ALL DIRT AND OTHER MATERIALS THAT HAVE BEEN SPILLED, WASHED UPON, TRACKED UPON, OR OTHERWISE DEPOSITED THEREON BY HIS HAULING AND OTHER OPERATIONS WHENEVER THE ACCUMULATION IS SUFFICIENT TO CAUSE THE FORMATION OF DUST, MUD, INTERFERE WITH DRAINAGE, DAMAGE PAVEMENTS OR CREATE A TRAFFIC HAZARD. THE CONTRACTOR SHALL USE A VACUUM TYPE STREET SWEEPER TO REMOVE SUCH MATERIALS FROM PAVED SURFACES.

WASTE EXCAVATION & MATERIALS

ALL EXCAVATED SOIL OR TOPSOIL MATERIAL IS TO REMAIN ONSITE. TOPSOIL IS TO BE PLACED AS INDICATED ON THE PLANS. REGULATED WASTE MATERIALS, DEBRIS OR TRASH FOUND IN THE WORK AREA IS TO BE TRANSPORTED OFFSITE TO A RECYCLING FACILITY WITH APPROPRIATE PERMITS TO RECEIVE THE WASTE MATERIALS.

REMOVE ALL WASTE MATERIALS FROM THE SITE AND RECYCLE OR DISPOSE OF IN ACCORDANCE WITH SOLID WASTE MANAGEMENT REGULATION 25 PA. CODE 260.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. DO NOT BURN, BURY, DUMP, OR DISCHARGE WASTE MATERIALS AT THE SITE. THESE MATERIALS INCLUDE BUT ARE NOT LIMITED TO EXCESS BUILDING MATERIALS, WASH WATER, ETC.

SEQUENCE OF CONSTRUCTION – GENERAL

STAKE OUT THE PROJECT AREA PRIOR TO THE START OF WORK INCLUDING:
- LEASE AREA BOUNDARY & FENCE LINE
- PROPOSED UNDERGROUND CONDUIT LOCATIONS
- LIMITS OF STONE STABILIZATION AND CONCRETE EQUIPMENT PAD
- SOLAR PANEL ROWS
- VEGETATED BUFFER AREA
- EROSION CONTROL FACILITIES TO BE INSTALLED

PLACE COMPOST FILTER SOCK, CONSTRUCTION FENCING AND OTHER EROSION AND SEDIMENT CONTROLS AS INDICATED.
CRITICAL STAGE: NOTIFY THE COUNTY CONSERVATION DISTRICT AND THE DESIGN ENGINEER AFTER STAKE OUT AND PRIOR TO INSTALLATION OF EROSION CONTROL FACILITIES TO ALLOW FOR INSPECTIONS PRIOR TO INSTALLATION.

STRIP AND STOCKPILE TOPSOIL AT ACCESS AREA AND PLACE GEOTEXTILE MATERIAL AND ROCK STABILIZATION AT EQUIPMENT AREA TO PROVIDE A STABILIZED STAGING AREA FOR THE ARRAY INSTALLATION.

NOTES:
IT IS INTENDED THAT INSTALLATION OF THE SOLAR ARRAY WILL BE EXECUTED IN A MANNER THAT MINIMIZES EARTH DISTURBANCE AND COMPACTION OF EXISTING SOILS WITHIN THE PROJECT AREA. EMPLOY MEANS AND METHODS CONSISTENT WITH THIS INTENT.
DRIVEN PILE SUPPORTS ARE TO BE USED TO SUPPORT THE PANELS. WHERE UNDERGROUND OBSTRUCTIONS PREVENT THE USE OF DRIVEN PILES USE ALTERNATE FOUNDATION THAT MINIMIZES EXCAVATION, EARTH DISTURBANCE, WASTE MATERIAL AND COMPACTION OF THE SURROUNDING SOILS.
NO ROCK CONSTRUCTION ENTRANCE WILL BE USED DUE TO THE LIMITED EARTH MOVING AND DISTURBANCE. THERE WILL BE NO IMPORTED OR EXPORTED EARTH AT THE SITE ASSOCIATED WITH THE ARRAY INSTALLATION. STORE ALL MATERIALS ON THE STABILIZED ACCESS AREA OR THE EXISTING GRAVEL ACCESS ROAD.

CONDUIT INSTALLATION:

INSTALL UTILITY SERVICE LINES IN A MANNER THAT MINIMIZES DISTURBANCE OF SURROUNDING AREAS AND MINIMIZES THE DURATION THAT THERE WILL BE OPEN TRENCHES ON THE SITE.

MARK OUT TRENCH IN ADVANCE OF EXCAVATION.

EXCAVATE ONLY AS MUCH TRENCH AS CAN BE COMPLETED, BACKFILLED AND STABILIZED EACH DAY.

EXCAVATE TRENCH, PLACING EXCAVATED SOIL ON THE UPSLOPE SIDE OF THE TRENCH. BACKFILL COMPLETED TRENCH AND STABILIZE TRENCH AREAS IMMEDIATELY AFTER BACKFILLING WITH TEMPORARY OR PERMANENT SEED AND HAY MULCH. SEE TRENCH EXCAVATION NOTES ON SHEET 12.

CONCRETE AND CONCRETE WASHOUT:
INSTALL CONCRETE WASHOUT IN ADVANCE OF ANY CONCRETE POURS ON THE SITE THAT WILL REQUIRE TRUCK WASHOUT. WASHOUT MAY BE OMITTED IF NO TRUCKS WILL BE WASHED OUT ON THE SITE. CONCRETE WILL BE USED ON THE SITE FOR 1) CONCRETE EQUIPMENT PAD; 2) DUCT BANK ENCASEMENT AT CROSSING OF GRAVEL ROAD; 3) FENCE CORNER POSTS, GATE POSTS AND PULL POSTS; AND 4) CONCRETE CURB LEVEL SPREADERS.

SPLASH PAD INSTALLATION:
CUT 6" WIDE BY 4" DEEP TRENCH DRIP LINE OF EACH PANEL. SPREAD THE EXCAVATED SOIL UPSLOPE OF TRENCH.
FILL TRENCH WITH PEA GRAVEL UP TO GRADE (DO NOT MOUND). PLACE A PLUG OF SOIL (6") IN TRENCH EVERY 20' TO PREVENT THE LATERAL FLOW OF WATER WITHIN THE STONE IN THE TRENCH AND TO PROMOTE INFILTRATION.

ARRAY INSTALLATION:
STAKE OUT POST LOCATIONS AND DRIVE POSTS USING TRACKED EQUIPMENT TO MINIMIZE SOIL COMPACTION AND DISTURBANCE.

DO NOT OPERATE EQUIPMENT IN A MANNER OR IN WEATHER CONDITIONS THAT WILL RESULT IN TIRE/TRACK RUTS OR EXCESSIVE DISTURBANCE OF THE SOIL OR ROOT MAT. PROTECT THE GROUND FROM EQUIPMENT AND/OR MATERIALS WITH MATS WHERE NECESSARY.

CONCRETE CURB LEVEL SPREADER
STAKE AND/OR MARK OUT CONCRETE CURB LEVEL SPREADERS AND COMPOST BERMS PRIOR TO INSTALLATION OF ARRAY PANELS. SEE SHEET 8.

CONSTRUCT CONCRETE CURB LEVEL SPREADERS IN A MANNER THAT WILL NOT CAUSE EXCESSIVE EARTH DISTURBANCE. SPREAD EARTH MATERIAL EXCAVATED FOR CURBS DOWNSLOPE AND STABILIZE IMMEDIATELY WITH SEED AND MULCH. PROTECT CURB FROM VEHICLE LOADS BY PLACING PLANKING ON EITHER SIDE SO THAT WHEEL LOADS WILL NOT CAUSE CURB SETTLEMENT AT CROSSINGS.

SOIL AERATION:
AFTER INSTALLING POST SUPPORTS AND PRIOR TO INSTALLING BRACKETS AND PANELS, AERATE THE SOILS BENEATH THE PANELS WITH A CORE AERATION ROLLER. MAKE AT LEAST 2 PASSES IN ALL AREAS. CORE AERATE VEGETATED BUFFER AREA PRIOR TO FENCE INSTALLATION AND OVERSEEDING.

AFTER PANEL INSTALLATION AND WHEN ALL OTHER ARRAY CONSTRUCTION TRAFFIC HAS CASED, AERATE ALL OTHER OPEN AREAS WITH 2 PASSES USING A CORE AERATOR.

COMPOST BERM INSTALLATION:
PLACE COMPOST BERMS PARALLEL TO CONTOUR GRADE WHERE INDICATED. SEE SHEET 8.

File: Solar_Sht_11-13_E&S_Details_Notes.dwg Plotted: 8/16/22 at 2:05pm By: TFBoles1

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE – STOP CALL
PA 1 SYSTEM, INC. SERIAL NUMBERS: 20202661433 CALL TYPE: DESIGN
CALL 1-800-242-1776

No	Date	Description REVISIONS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL TIMOTHY F. BOLES ENGINEER 043690-E

E & S PLANS PREPARED BY:
SUBMISSION
- FINAL PLAN SUBMISSION
- MINOR PLAN SUBMISSION

TIMOTHY F. BOLES, P.E.
BOLES, SMYTH ASSOCIATES INC.
2400 CHESTNUT STREET
PHILADELPHIA PA, 19103
215 561 2644

ENGINEER:
Boles, Smyth Associates Inc.
Consulting Civil Engineers
2400 Chestnut Street - Philadelphia PA, 19103
215-561-2644 (P) - 215-561-0501 (F)

OWNER/DEVELOPER:
Sisters of the Redeemer
1600 Huntingdon Pike
Meadowbrook, PA 19046

PROJECT:
SOLAR PANEL ARRAY
For Redeemer Village
(Ground Mounted)

PROJECT ADDRESS:
521 Moredon Road
Huntingdon Valley, PA 19006

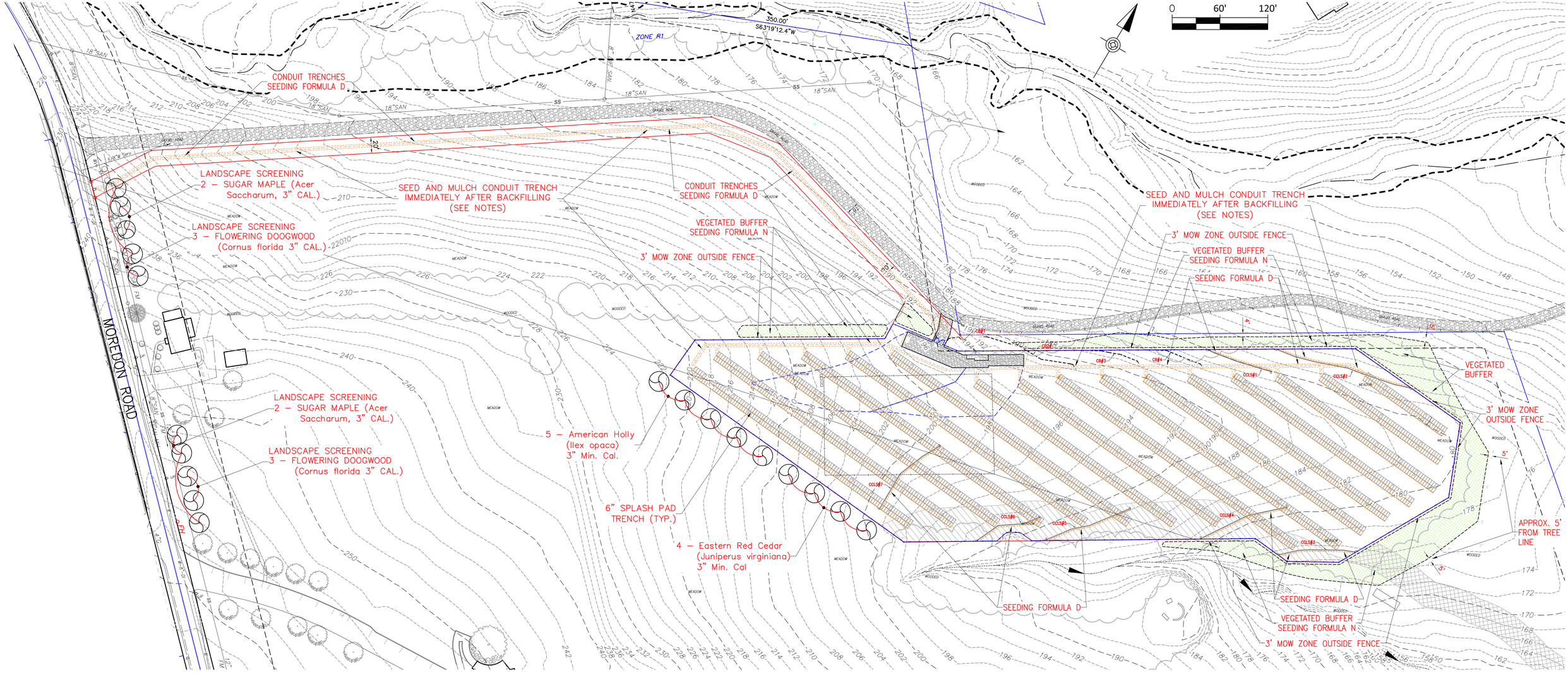
SHEET:
Erosion Control Details& Notes

Project No.: 78.09
Date: 07-16-2022 Scale: As Noted
Drawn by: TFB Checked: TFB

Dwg No. 13

NOTES:

1. AFTER COMPLETION AND UPON REQUEST OF THE RESIDENTS OF THE TALL TREES COMMUNITY, PROVIDE LANDSCAPE BUFFER IN THE FORM OF EVERGREEN VEGETATION ALONG THE NORTH SIDE OF THE FENCE TO SCREEN SOLAR PANELS FROM VIEW.
2. AFTER INSTALLATION OF PANEL SUPPORTS AND PRIOR TO THE INSTALLATION OF PANELS, CORE AERATE ALL UNDISTURBED AREAS TO MITIGATE SOIL COMPACTION RESULTING FROM EQUIPMENT OPERATIONS. LEVEL ANY TIRE RUTS AND OVERSEED ANY DISTURBED AREAS WITH SEEDING FORMULA N.
3. ESTABLISH LIMITS OF VEGETATED BUFFER AREA UP TO 5 FEET FROM TREES ALONG SITE BOUNDARY AND 3 FEET FROM FENCE LINE.
4. CORE AERATE VEGETATED BUFFER AREA AND OVERSEED WITH SEEDING FORMULA N. COORDINATE AERATION AND SEEDING WITH FENCE INSTALLATION.
5. SEED AND MULCH ALL DISTURBED AREAS IMMEDIATELY AFTER BACKFILLING TRENCHES OR SPREADING FILL AT CONCRETE CURB LEVEL SPREADERS.



File: Solar_Sht_14_Landscape.dwg Plotted: 8/16/22 at 3:25pm By: TFBoles1

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE – STOP CALL
PA 1 SYSTEM, INC.
SERIAL NUMBERS: 20202661433
CALL TYPE: DESIGN
CALL 1-800-242-1776

No	Date	Description
		REVISIONS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
TIMOTHY F. BOLES
ENGINEER
043690-E

SUBMISSION TYPE:
- FINAL PLAN SUBMISSION
- MINOR PLAN SUBMISSION

ENGINEER:
Boles, Smyth Associates Inc.
Consulting Civil Engineers
2400 Chestnut Street - Philadelphia PA, 19103
215-561-2644 (P) - 215-561-0501 (F)

OWNER/DEVELOPER:
Sisters of the Redeemer
1600 Huntingdon Pike
Meadowbrook, PA 19046

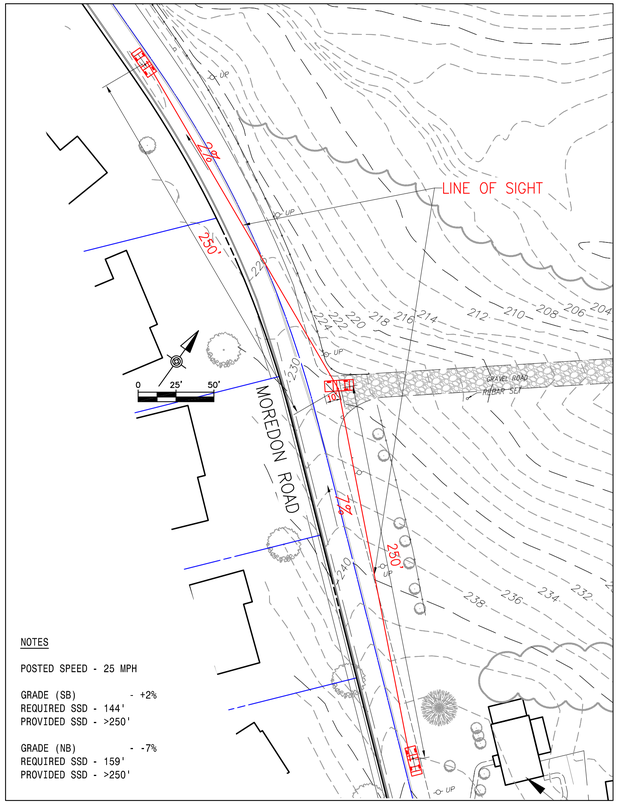
PROJECT:
SOLAR PANEL ARRAY
For Redeemer Village
(Ground Mounted)

PROJECT ADDRESS:
521 Moredon Road
Huntingdon Valley, PA 19006

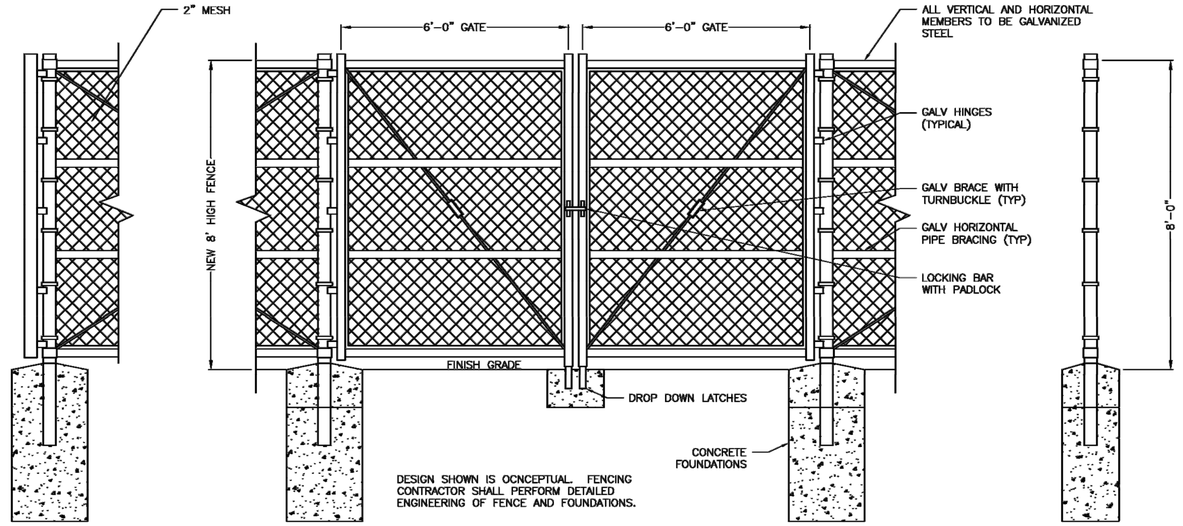
SHEET:
Landscaping Plan

Project No.: 78.09
Date: 07-16-2022 Scale: As Noted
Drawn by: TFB Checked: TFB

Dwg No. 14



SIGHT DISTANCE DIAGRAM



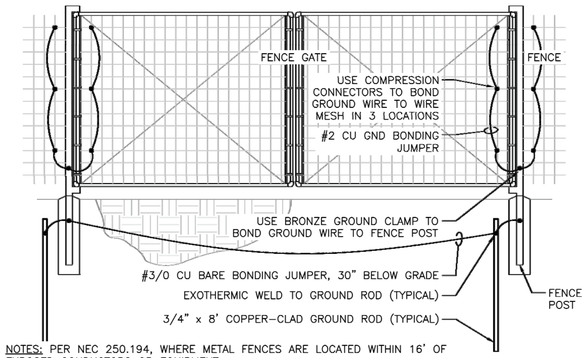
1 S200 FENCE DETAIL
SCALE: NONE

NOTE:
FENCING MESH TO BE GREEN VINYL COATED CHAIN-LINK.



LOCATION: ALL ACCESS POINTS TO THE SITE AND EVERY 100' AROUND THE PERIMETER (ON FENCES AS NECESSARY)
NEC: 110.27(C)

SIGN DETAIL



NOTES: PER NEC 250.194, WHERE METAL FENCES ARE LOCATED WITHIN 16' OF EXPOSED CONDUCTORS OR EQUIPMENT:
(1) BONDING JUMPERS SHALL BE INSTALLED AT EACH FENCE CORNER AND AT MAXIMUM 50 M (160 FT) INTERVALS ALONG THE FENCE.
(2) WHERE BARE OVERHEAD CONDUCTORS CROSS THE FENCE, BONDING JUMPERS SHALL BE INSTALLED ON EACH SIDE OF THE CROSSING.
(3) GATES SHALL BE BONDED TO THE GATE SUPPORT POST, AND EACH GATE SUPPORT POST SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM.
(4) ANY GATE OR OTHER OPENING IN THE FENCE SHALL BE BONDED ACROSS THE OPENING BY A BURIED BONDING JUMPER.
(5) THE GROUNDING GRID OR GROUNDING ELECTRODE SYSTEMS SHALL BE EXTENDED TO COVER THE SWING OF ALL GATES.
(6) THE BARBED WIRE STRANDS ABOVE THE FENCE SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM.

9 E401 FENCE GROUNDING DETAIL
SCALE: NONE

File: Solar_Sht_1-3_Ex_Site.dwg Plotted: 8/16/22 at 2:11pm By: TFBoles1

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL
PA ONE CALL SYSTEM, INC. SERIAL NUMBERS: 20202661433
CALL TYPE: DESIGN
CALL 1-800-242-1776

No	Date	Description
		REVISIONS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER 043690-E
TIMOTHY F. BOLES

SUBMISSION TYPE:
- FINAL PLAN SUBMISSION
- MINOR PLAN SUBMISSION

ENGINEER:
Boles, Smyth Associates Inc.
Consulting Civil Engineers
2400 Chestnut Street - Philadelphia PA, 19103
215-561-2644 (P) - 215-561-0501 (F)

OWNER/DEVELOPER:
Sisters of the Redeemer
1600 Huntingdon Pike
Meadowbrook, PA 19046

PROJECT:
SOLAR PANEL ARRAY
For Redeemer Village
(Ground Mounted)

PROJECT ADDRESS:
521 Moredon Road
Huntingdon Valley, PA 19006

SHEET:
Miscellaneous Details

Project No.: 78.09
Date: 07-16-2022 Scale: As Noted
Drawn by: TFB Checked: TFB

Dwg No.
15

MEMO

To: Lucy Strackhouse, Chair – Abington Township Planning Commission
From: Abington Township Shade Tree Commission
RE: LD-22-04 - 521 Moredon Rd (Solar Panel Array)
Plan Set Date: April 8, 2022

STC Review Date: May 23, 2022, revised plan review date 6/14/2022

Site Summary
Owner: Sisters of the Redeemer, 1600 Huntingdon Pike, Meadowbrook, PA 19046
Zone – R1 – Low Density Residential
Use – Solar Panel Array
Watershed – Pennypack Creek
Summary – Installation of ground-mounted solar panel array for Redeemer Village

Dear Chairperson Strackhouse,

The members of the Abington Township Shade Tree Commission (STC) have reviewed the Landscaping Plan (page 14), as well as the revised Landscaping Plan for the above referenced Land Development Plan and offer the following recommendations:

- Regarding Note 1: If the residents of the Tall Trees Community request a landscaping buffer, the STC recommends that native evergreen trees be planted. Examples include Juniperus virginiana, Juniperus communis and Ilex opaca.

- Regarding the screening trees along Moredon Road:
  - In the original submission, ten red maples (Acer rubrum) were proposed as screening trees.
  - In the revision, four sugar maples (Acer saccharum) and six flowering dogwoods (Cornus florida) are proposed.
  - The STC believes that red maples would be a better selection for the site. If sugar maples are used, they should be the new heat-resistant variety.
  - The STC is concerned about the use of flowering dogwoods. We think they would likely not survive due to the location and the strong potential for heat stress due to their orientation on the property. We recommend additional maples instead of flowering dogwoods.

Additionally, the STC offers the following comment:

- Is there an opportunity to plant additional native canopy trees at the site in addition to the buffer zone along Moredon Road and the potential landscaping buffer for the Tall Trees Community?

Respectfully submitted,



Patricia Gallagher, Ph.D., P.E.

Chair, Abington Township STC

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
WWW.MONTCOPA.ORG

SCOTT FRANCE, AICP
EXECUTIVE DIRECTOR

May 27, 2022

Mr. Richard J. Manfredi, Manager
Abington Township
1176 Old York Road
Abington, Pennsylvania 19001-3713

Re: MCPC #22-0113-001
Plan Name: Solar Panel Array at 521 Moredon Road
(On 1 lot of 90.41 acres)
Situate: 521 Moredon Road
Cross Street: Huntingdon Pike
Abington Township

Dear Mr. Manfredi:

We have reviewed the above-referenced land development in accordance with Section 502 of Act 247, "The Pennsylvania Municipalities Planning Code,"as you requested on April 20, 2022. We forward this letter as a report of our review.

BACKGROUND

Sisters of the Redeemer, the applicant, has submitted a land development plan for a proposed ground-mounted solar panel array on a tract of 90.41 acres; the area of disturbance would consist of 5.10 acres. The applicant obtained a use variance from the Zoning Hearing Board for the proposed solar panel array as a principal use; zoning currently permits solar panels as accessory uses. The array would be accessed by an existing common gravel access road (also used by the sewer authority), and would involve the construction of an improved equipment access area consisting of stone covered by geotextile material. The site is located in the R1 Low Density Residential Zoning District. Public sewer and water will not serve the area of development; the plan is dated April 8, 2022.

COMPREHENSIVE PLAN COMPLIANCE

MONTCO 2040: A New Vision: the Comprehensive Plan for Montgomery County (2015). The proposed solar panel array (a principal use) is located in the Suburban Residential future land use category of the county comprehensive plan. Although solar panel arrays are not specifically listed as a use in this future land use category, p.36 of *MONTCO 2040* notes that MCPC advocates for adapting to changing energy needs. We have

determined that this proposal is consistent with the intent of the plan, provided adequate setbacks, screening, and other landscaping are used to minimize the view of the array from surrounding land uses and roadways, and provided stormwater management is undertaken in a comprehensive manner, including best management practices, where possible.

Abington Master Bicycle Plan (2016): As noted in our review letter (dated March 19, 2022) for the Barn for Redeemer Valley Farm, the plan designates the property as the location for a potential bicycle access route to the Pennypack Trail (see p.52). The plan's consistency with the Abington Master Bicycle Plan depends upon whether the second alternative to access the Pennypack Trail in the eastern quadrant of the township is pursued. See "Review Comments," below, for additional information.

Comprehensive Plan Update for Abington Township (2007): The proposal is located in the "Low Density Residential" future land use category of the Comprehensive Plan Update for Abington Township, and is consistent with that plan.

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

LOCATION

A. We feel that the proposed location is an appropriate one, set back and/or buffered from surrounding development.

DIMENSIONAL CRITERIA

A. Panel Height. How high off the ground will the solar panels be? At a predevelopment meeting, we heard that they would be about ten feet, but on the plans it appears that they will range from 3' 4" to approximately seven feet in height.

INFRASTRUCTURE

A. Electric Infrastructure. We recommend that the township communicate with PECO about whether the necessary infrastructure exists for this project.

LANDSCAPING AND NATURAL ENVIRONMENT

1 https://www.abingtonpa.gov/home/showpublisheddocument?id=2246

A. Naturalized Vegetation. We suggest that the applicant consider using the space not occupied by gravel (20 feet between rows of panels) for naturalized meadow plantings, since grass has such little ecological value.

B. Street Trees. Street trees are required every 40 linear feet along Moredon Road. It appears as if the applicant has met this requirement, grouping the trees in the area to the east of the driveway [§2402].

C. Buffer. The proposed use is most similar to those in category "IV" in Figure 24.5: Buffer Required by Land Use Type. A very high buffer is required for residential uses on the same side of the street for this use category, and a high buffer is required for residential uses on the opposite side of the street. Existing topographic conditions, such as embankments or berms, may be substituted for part or all of the required property line buffers at the discretion of the Township Engineer [§2403.B].



The applicant proposes to plant deciduous trees along the road as screening of the proposed solar panel array (the applicant has noted that the change in elevation will also help screen the proposed array). None of the specified screens in the zoning ordinance consist only of deciduous trees. There may be a need for year-round vegetation, including low-level plantings, depending on how visible the proposed solar panel array from nearby residences is (such as from the home pictured in the image located on the corner of Londonderry Lane and Moredon Road).

TRANSPORTATION

A. Abington Master Bicycle Plan. The plan designates the property as the location for a potential bicycle access route to the Pennypack Trail (see p.52)[1]. We recommend the applicant consult with the township to determine if this is the access route that the township would like to see implemented.

Route #18 – Moredon Trail (Moredon Road to Pennypack Trail)

1 https://www.abingtonpa.gov/home/showpublisheddocument?id=2246

This route, through a property owned by Sisters of the Holy Redeemer is recommended as a second alternative to access the Pennypack Trail in the eastern quadrant of the Township. This very large property contains an existing gravel road and a significant amount of open space that could accommodate a public trail without much disturbance to the property's existing activity. Further discussion with the Sisters of the Holy Redeemer as well as an easement or agreement is needed to implement this segment.

OTHER PLAN INFORMATION

The following information shall be shown [§146-11]:

A. Easements. Subsection B. requires information describing the location, size, ownership and purpose of all rights-of-way and easements located within the property boundaries (such as any relating to the common access road).

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 renewable energy uses.

Please note that the review comments and recommendations contained in this report are advisory to the municipality and final disposition for the approval of any proposal will be made by the municipality.

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 (#22-0113-001) on any plans submitted for final recording.

Sincerely,



Mike Narcowich, AICP, Community Planning Assistant Manager
mnarcowi@montcopa.org – 610-278-5238

c:
Lucy Strackhouse, Chair, Township Planning Commission
Sisters of the Redeemer, Applicant
Jack Dempster, Vice President for Facilities and Construction, Holy Redeemer Health System, Applicant's Representative
Khaled R. Hassan, P.E., Pennoni, Township Engineer
Michael P. Clarke, Esq., Rudolph Clarke, LLC, Township Solicitor

1 https://www.abingtonpa.gov/home/showpublisheddocument?id=2246

Attachment A: Aerial Image of Site
Attachment B: Reduced Copy of Applicant's Proposed Site Plan

1 https://www.abingtonpa.gov/home/showpublisheddocument?id=2246

ATTACHMENT A



Solar Panel Array at
521 Moredon Road
MCPC#220113001

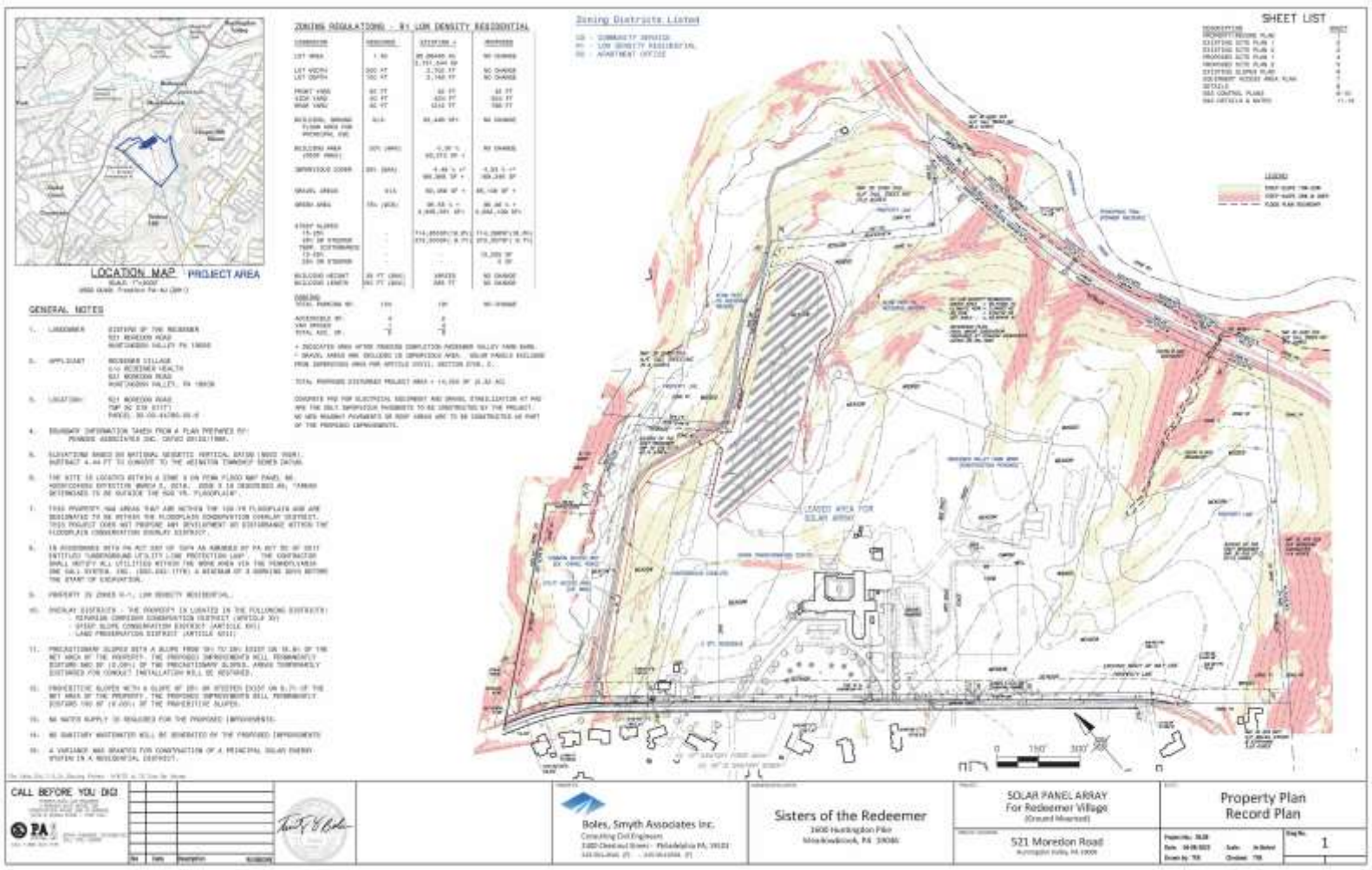
Montgomery County Planning Commission

0 200 400 800 Feet

N

1 https://www.abingtonpa.gov/home/showpublisheddocument?id=2246

ATTACHMENT B



1 https://www.abingtonpa.gov/home/showpublisheddocument?id=2246

MONTGOMERY COUNTY
CONSERVATION DISTRICT
143 Level Road • Collegeville, PA 19426-3313 • 610-489-4506 • Fax: 610-489-9795
www.montgomeryconservation.org

June 2, 2022

Jack Dempster, VP Facilities and Construction
Sisters of the Redeemer
521 Moredon Road
Huntingdon Valley, PA 19006

RE: Review for Adequacy
Solar Panel Array at 521 Moredon Road
521 Moredon Road Huntingdon Valley, PA 19006
Abington Township, Montgomery County, PA

Project Acres: 16.0
Disturbed Acres: 0.72

Dear Mr. Dempster:

The Montgomery County Conservation District has reviewed the Erosion & Sediment Control Plan for the above-referenced project. The plan is considered adequate as submitted on April 18, 2022 to meet State requirements on erosion and sediment control.

The Conservation District reviews this plan **solely** to determine whether it is adequate to satisfy the requirements of (25 Pa. Code §§ 102.1 et seq.), the erosion control regulations of the Pennsylvania Department of Environmental Protection, and The Clean Streams Law (35 Pa. Code §§ 691.1 et seq.).
By a determination that the plan is adequate to meet those requirements, neither the Conservation District nor Montgomery County assumes any responsibility for the implementation of the plan, or the proper construction and operation of the facilities contained in the plan.

It is the responsibility of the owner/developer to correct or modify any practices, which prove inadequate to control erosion and sedimentation during and after construction. A copy of this plan including the narrative must be available at all times at the site of the earth disturbance in accordance with erosion and sediment control regulations.

This plan as determined to be adequate by the Montgomery County Conservation District is valid for three years from the date of this letter. Should any party require revisions or alterations which affect the Erosion & Sediment Control Best Management Practices of this Plan as of this date, this letter is nullified. Resubmission of revisions will be charged a fee based on the review fee schedule in effect at the time of the re-submission. The District reserves the right to assess a full review fee if preliminary examination indicates substantial alterations to the plan have occurred. If earth disturbance does not occur within the three-year limit of this review, a resubmission to the District will be viewed as an original application and the full review fee will be charged based on the fee schedule in effect at the time of application.

Sincerely,
Jeffrey McKenna
Jeffrey McKenna
Resource Conservationist

cc: Timothy F. Boles, Boles Smyth Associates, Inc.
Abington Township
Montgomery County Planning Commission
File

ES01

Pennoni

3100 Horizon Drive
Suite 200
King of Prussia, PA 19406
T: 610-277-2402
F: 610-277-7449

www.pennoni.com

August 31, 2022

ABINT130026

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

RE: LD-22-04 – 521 Moredon Road (Solar Panel Farm)
521 Moredon Road PARID: 30-00-44765-00-7 / TMID: 30018 011E
Preliminary/Final Minor Land Development Plans Review (3rd Submission)

Dear Mr. Manfredi:

We have received a copy of the Preliminary/Final Minor Land Development Plans consisting of fifteen (15) sheets dated July 16, 2022 and received on August 17, 2022; as prepared by Boles, Smyth Associates Inc., located at 2400 Chestnut Street in Philadelphia, PA for the above referenced project.

Under this Application, the Applicant is proposing to lease a portion of land (approximately 4.7 acres) owned by the Sisters of the Holy Redeemer to install a ground mounted principal solar array and panel system; and associated equipment, conduit, concrete pads along with the solar panels; an extension to the existing gravel access road; and stormwater runoff control measures.

This project is located within the R-1 Low-Density Residential Zoning District and is fronted by Moredon Road to the southwest, Pennypack Creek to the northeast, and residential properties zoned in the R-1 Low-Density Residential Zoning District to the northwest and southeast.

This parcel consists of the Sisters of the Holy Redeemer Church, as well as a previously approved land development application (#LD-21-04), that is currently under construction for a 6,470 SF barn. Access to/from the site will be by way of one (1) existing gravel access road currently used by the Sewer Authority located off of Moredon Road. The new solar panel array system will not be needing public water or sewer.

In accordance with the FEMA, Flood Insurance Rate Map (FIRM) Panel No. 42091C0402G, effective March 2, 2016, the northern area and the area along the northwestern tract boundary has an unnamed tributary to Pennypack Creek; as well as, the drainage channel along the eastern portion of the trach, have been identified by the FEMA FIRM to be located within flood Zone X and are special flood hazard areas subject to inundation by the 0.2% annual chance flood (500-year flood), or areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile. The remaining portions of the tract are located within Zone X, which are areas determined by the FEMA FIRM to be located outside the 0.2% annual chance flood and areas of minimal flood hazard. Therefore, based on the FEMA determination, the area of the tract with the proposed site improvements is not located within the Floodplain Conservation Overlay District and is not subject to the floodplain regulations of the Floodplain Conservation Overlay District.

In addition to the Floodplain Conservation District, this parcel is classified by Figure 15.2 - Abington Township Riparian Corridor Analysis Map as a parcel that intersects the riparian corridor; therefore, this parcel is located within the Riparian Corridor Conservation District and is subject to the regulations of the Riparian Corridor Conservation District.

Based on the existing contours shown on the plan, there are areas of precautionary steep slopes (greater than 15% to 25%) and prohibitive steep slopes (greater than 25%), located throughout the site. Since these areas do span five contiguous 10-foot contour intervals, the site is determined to be located in the steep slope conservation overlay district and is subject to the regulations of the Steep Slope Conservation District.

VARIANCES RECEIVED

Under this land development application, the Applicant has been granted the following variances by the Zoning Hearing Board under Application no. 21-25:

1. **§301 and §2706.A - Principal Solar Energy Systems -** to allow for the construction of a ground mounted solar panel array in the R-1 Low-Density Residential Zoning District.

This variance was granted subject to the following conditions:

1. That construction upon and use of the subject property shall be in substantial conformance with the testimony, exhibits, and other evidence presented at the Public Hearing on this matter, with the exception of minor modifications in precise placement of the proposed panel array; and
2. That if the proposed solar panel improvements are visible from residences within the abutting Tall Trees community the Applicant shall install landscaping to obstruct the visibility upon written request from that community's homeowner's association delivered to the Applicant and the Township within two years of:
    a. The date of this approval, or
    b. The completion of the installation of the solar panel improvements depicted on the exhibits presented at the Public Hearing, whichever is latest.

CONDITIONAL USE APPROVAL RECEIVED

The Applicant was granted a conditional use approval for the portion of the array and fencing that encroaches within the Zone 2 of the Riparian Corridor Conservation District by the Board of Commissioners on August 11, 2022.

The Applicant shall provide our office with a copy of the conditional use approval.

WAIVERS REQUESTED

The Applicant has provided a waiver request letter dated August 26, 2022 and is requesting the following waivers as part of this land development project:

1. **§142 – Stormwater Management** – A waiver from the requirement to provide stormwater management design report and calculations for the solar panel array.
   The Applicant is proposing concrete curb level spreaders for the solar panel array which will help reduce the velocities of the flows leaving the site. Stormwater management is provided for the 3,300 SF of new gravel area as required by the code.

   We support this waiver request given that the array design complies with FAQ #4 of the PADEP's recommended guidance for ground mounted solar projects and mitigates potential stormwater impacts by employing BMPs as part of the array installation and given that stormwater

management is provided for the new gravel driveway area located at the site entrance to the solar array field.

2. **§146-11.B.(11).(b) – Existing Features Plan –** A waiver from the requirement to provide vegetation resource identification of stand-alone trees with calipers of ten (10) inches or greater, measured at a point four (4) feet above grade on the Existing Features Plan.
   The Applicant is proposing to not conduct a tree survey for the entire 85-acre parcel since only two (2) trees are to be removed as part of this project.

   We support this waiver request due to the limited size and scope of the project since only two (2) trees will be removed as part of this project and since the Applicant has complied with the tree replacement requirements under Section 2401.A.2.d.(1).(a).

3. **§146-11.H.(1) – Landscape Plan –** A waiver from the requirement to provide a landscape plan prepared by a registered landscape architect.
   The Applicant is proposing the landscape plan to be prepared by the design engineer with the screening and replacement trees being selected by the Redeemer Health System's Director of Landscaping.

   We support this waiver request due to the limited size and scope of the project, and contingent the Applicant provides a landscaping requirements and compliance table on the plans since additional plantings have been provided under the current submission.

The following documents have been reviewed:

Title	Sheet	Dated	Revised
Property/Record Plan	1 of 15	07/16/22	-----
Existing Site Plan 1	2 of 15	07/16/22	-----
Existing Site Plan 2	3 of 15	07/16/22	-----
Proposed Site Plan 1	4 of 15	07/16/22	-----
Proposed Site Plan 2	5 of 15	07/16/22	-----
Existing Slopes Plan	6 of 15	07/16/22	-----
Equipment Access Area Plan	7 of 15	07/16/22	-----
Details	8 of 15	07/16/22	-----
E&S Control Plan	9-10 of 15	07/16/22	-----
E&S Details & Notes	11-13 of 15	07/16/22	-----
Landscape Plan	14 of 15	07/16/22	-----
Miscellaneous Details	15 of 15	07/16/22	-----

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) and our previous review letter dated May 11, 2022. We offer the following comments for your consideration:

ZONING COMMENTS

6. ***Per §1508.B. – Riparian Management – Mitigation Measures -*** *Uses permitted in §1503. Permitted Uses involving corridor crossings or other encroachment within the Riparian Corridor Conservation District shall be mitigated by increasing the width of the corridor as replacement for the area lost due to the encroachment or disturbance, so that the total corridor area (land area within Zone One*

and Zone Two) for each applicable side of the stream or watercourse is equal to that required by §1502.A.2. Width. Corridor area is the product of the corridor width required by §1502.A.2. Width and the total length for each applicable side of the stream or watercourse for which a Riparian Corridor Conservation District is being established. Perimeter shall be used in place of length for determining wetland buffer area. The increased width shall be spread throughout the corridor to the maximum extent possible. For streams and watercourses, the increased width shall be applied along the length of the stream in blocks of 1,000 feet or more, or the full length of the corridor on the affected property, whichever is less.
Applicant is encroaching onto Zone 2 of the riparian corridor and would be required to provide mitigation measures in accordance with the Zone 2 Conditional Use provisions. A statement on the plans should be provided identifying the mitigation measures and mitigation calculations to ensure these measures have been adequately addressed.

The Applicant shall provide a note on the plans to state the proposed mitigation measures.

The Applicant shall provide a note on the plans describing the mitigation measures for the stream or watercourse as indicated in §1508.B.

15. ***Per §2706.F – Liability Insurance*** *– There shall be maintained a current general liability policy covering bodily injury and property damage with limits of at least $1 million per occurrence and $1 million in the aggregate.*

    The Applicant has stated that the owner will obtain the required insurance coverage(s).

    The Applicant shall add a note on the Record Plan (Sheet 1) stating the above requirement.

GENERAL COMMENTS

35. *Since the Applicant is proposing 4-inch-high concrete curb spreaders with 8-inch-high compost mounds at each end, at various locations within the solar panel array site, the Applicant may wish to consider providing a continuous stormwater runoff management along the southerly or northern perimeter of the solar panel array site for ease of mowing and future maintenance.*
    The Applicant is still proposing multiple sections of concrete curb spreaders at various locations throughout the site. For better stormwater management, it is recommended that the Applicant provide a continuous section of the concrete curb spreader along the southern portion of the site which will also help with future maintenance and mowing.

We have received the following documents/permits/reviews:

- Application for Subdivision/Land Development (March 28, 2022)
- MCPC Request for Review Letter (April 8, 2022)
- Fire Marshal Review (May 11, 2022, and August 29, 2022 via email)
- MCPC Review (May 27, 2022)
- MCCD Review (June 2, 2022)
- Legal Description & Exhibit (Revised March 25, 2022)
- STC Review (June 15, 2022)
- EAC Review (No Comments June 22, 2022)
- Waivers Request Letter (August 26, 2022)

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

- Financial Escrow
- BMP O&M Agreement

- Land Development Agreement

SUMMARY

We recommend Preliminary/Final Minor Land Development Plans approval contingent the Applicant addresses the above referenced comments.

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, Assistant Township Manager

U:\ACCOUNTS\ABINT\ABINT130026 - LD-22-04 - 521 MOREDON RD (SOLAR PANELS)\ADMIN\3 - PLAN REVIEW\3RD SUBMISSION\PF03083022 521MOREDONROADSOLAR.DOCX

3100 Horizon Drive
Suite 200
King of Prussia, PA 19406
T: 610-277-2402
F: 610-277-7449

www.pennoni.com

September 9, 2022

ABINT 130026

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

RE: LD-22-04 – 521 Moredon Road (Solar Panels)
Meets and Bounds Description Review

Dear Mr. Manfredi:

We have completed a review of the following description, received on June 6, 2022 for the above referenced project, prepared by Charles E. Shoemaker, Inc, located at 1007 Edge Hill Road Abington, PA. We offer the following comments for your consideration:

Description(s)

- Description of "Solar Array Lease and Access Area" dated March 25, 2022

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 Hassan

Khaled R. Hassan, PE
Township Engineer

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

PREMISES C - METES AND BOUNDS DESCRIPTION OF SOLAR ARRAY LEASE AND ACCESS AREA

DESCRIPTION OF A PARCEL OF LAND LOCATED IN THE TOWNSHIP OF ABINGTON, COUNTY OF MONTGOMERY, COMMONWEALTH OF PENNSYLVANIA IN ACCORDANCE WITH A PLAN ENTITLED OFF-SITE LEASE AREA PLAN AT 521 MOREDON ROAD (SHEET 2 OF 3) PREPARED BY TEI CONSULTING ENGINEERS, INC. DATED MARCH 25, 2022.

SAID PARCEL BEING MORE FULLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE NORTHEASTERLY SIDE OF MOREDON ROAD (WIDTH VARIES); SAID POINT BEING LABELED ON THE PLAN AS "POB PREMISES C" AND BEING THE FOLLOWING COURSES AND DISTANCES FROM THE INTERSECTION OF THE NORTHERLY SIDE OF 521 MOREDON ROAD AND THE NORTHEASTERLY SIDE OF MOREDON ROAD (WIDTH VARIES);

THENCE S 70° 32' 34 W. A DISTANCE OF 84.44 FEET TO A POINT OF CURVATURE

THENCE ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 741.50 FEET, AN ARC LENGTH OF 268.38 FEET AND A DELTA ANGLE OF 20° 44' 17", TO A POINT OF TANGENCY.

THENCE S. 49° 48' 17" E. A DISTANCE OF 27.52 FEET TO THE POINT OF BEGINNING;

THENCE, LEAVING THE NORTHEASTERLY SIDE OF MOREDON ROAD (WIDTH VARIES), ALONG THE FOLLOWING COURSES AND DISTANCES DEFINING THE SOLAR ARRAY AND UTILITY ACCESS LEASE AREA

N. 27° 02' 13" E. A DISTANCE OF 85.13 FEET ;
THENCE N. 50° 54' 03" E. A DISTANCE OF 703.66 FEET ;
THENCE N. 75° 54' 04" E. A DISTANCE OF 91.90 FEET ;
THENCE S. 78° 56' 12" E. A DISTANCE OF 356.42 FEET ;
THENCE N. 53° 58' 52" E. A DISTANCE OF 478.00 FEET ;
THENCE N. 89° 39' 06" E. A DISTANCE OF 161.00 FEET ;
THENCE S. 26° 54' 22" E. A DISTANCE OF 95.00 FEET ;
THENCE S. 23° 50' 43" W. A DISTANCE OF 160.00 FEET ;
THENCE S. 55° 15' 42" W. A DISTANCE OF 65.00 FEET ;
THENCE N. 89° 51' 13" W. A DISTANCE OF 49.00 FEET ;
THENCE S. 53° 46' 41" W. A DISTANCE OF 441.00 FEET ;
THENCE S. 89° 54' 06" W. A DISTANCE OF 360.00 FEET ;
THENCE N. 00° 30' 36" W. A DISTANCE OF 54.00 FEET ;
THENCE N. 53° 57' 34" E. A DISTANCE OF 238.00 FEET ;
THENCE N. 06° 57' 43" W. A DISTANCE OF 54.00 FEET ;
THENCE N. 78° 56' 12" W. A DISTANCE OF 247.00 FEET ;
THENCE S. 75° 54' 04" W. A DISTANCE OF 83.00 FEET ;
THENCE S. 50° 54' 03" W. A DISTANCE OF 695.00 FEET ;
THENCE S. 27° 02' 13" W. A DISTANCE OF 85.58 FEET TO A POINT ON THE NORTHEASTERLY SIDE OF MOREDON ROAD (WIDTH VARIES);

THENCE ALONG THE NORTHEASTERLY SIDE OF MOREDON ROAD N. 49° 48' 17" W. A DISTANCE OF 20.54 FEET TO THE POINT OF BEGINNING.

CONTAINING IN AREA 229,802.89 SQUARE FEET (5.27555 ACRES)

Revised: 3-25-22

September 22, 2022

MEMO

To: Lucy Strackhouse, Chair – Abington Township Planning Commission
From: Abington Township Environmental Advisory Council
RE: 521 Moredon Road – Solar Panel Array – LD -22- 04
Plan Set Date: July 16, 2022

EAC Review Date: 09/14/22

Dear Chairperson Strackhouse,

The members of the Abington Township Environmental Advisory Council (EAC) have reviewed the above referenced land development plan at our regular meeting on September 14, 2022.The following comments and suggestions were discussed at that meeting:

The proposed addition of the solar panel array will impact the existing underlying grass/meadow area and portions of the array and its fencing encroaches within Zone 2 of the Riparian Corridor Conservation District. Mitigation for this encroachment is shown on the plan. While these panels are not considered to be impervious, the addition of a concrete pad for electrical equipment and gravel stabilization at the pad area are considered impervious cover. We defer to the Township's Engineering Team to evaluate the stormwater runoff calculations and control measures proposed for these features.

The EAC is concerned about the underlying soil impacts. Solar Panel installation activities can result in soil compaction which can increase the volume and velocity of runoff from the panels and potentially impact downstream waterways and/or property. We urge that during installation, all appropriate measures to minimize soil compaction be utilized, and that the area disturbed by this installation, including beneath the array be seeded with deep rooted, native grasses that will help reduce soil compaction and help slow and filter runoff from the panels.

The EAC is most grateful to Redeemer Valley as a valued member of the Township's Climate Plan Collaborative and is leading by example through the solar array proposal.

Respectfully submitted,

Susan S. Myerov

Susan Myerov,
Member, Abington Township EAC

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

BOARD OF COMMISSIONERS REGULAR PUBLIC MEETING

AGENDA ITEM

November 10, 2022

DATE

AGENDA ITEM NUMBER

Finance

DEPARTMENT

FISCAL IMPACT
Cost > $10,000
Yes ☐ No ☑

PUBLIC BID REQUIRED
Cost > $20,100
Yes ☐ No ☑

AGENDA ITEM:

Treasurers Report -11-10-22

EXECUTIVE SUMMARY:

n/a

PREVIOUS BOARD ACTIONS:

n/a

RECOMMENDED BOARD ACTIONS:

Receive Treasurer's Report: Township Treasurer, Jay W. Blumenthal

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

SEPTEMBER 2022 & YEAR TO DATE

		This Month		Year to Date
Code Enforcement		69,368		1,228,580
Engineering		7,186		91,337
Finance Department		1,263,745		5,981,694
Finance ACHs & Credit Cds		3,191,384		25,286,712
Tax Office Real Estate Taxes		26,979		32,441,786
Fire Marshal's Office		2,601		74,703
Parks and Recreation		33,608		208,899
Plumbing		3,903		57,857
Police		64,215		246,341
Refuse		3,617		35,230
Tax Office				
Business Privilege Tax	118,247		4,849,401	
Mercantile Tax	61,754		2,538,083	
Local Services Tax	16,276		974,446	
Business Tax Audits	0		0	
Tax Office Total		196,278		8,361,930
	TOTALS	4,862,882		74,015,069
	LAST YEAR	4,849,143		67,577,857
	INCREASE/(DECREASE)	13,739		6,437,212

Jay W. Blumenthal
Tax Collector / 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 **September 2022** YEAR TO DATE

	RECEIPTS			
	Adjusted Assessments	Month	Year To Date	Balance To Collect
Township	17,175,635	15,953	16,633,818	541,817
Fire	3,159,094	2,930	3,059,476	99,618
Sewer Fees	7,911,292	4,442	7,791,528	119,764
Refuse Fees	5,038,233	3,654	4,956,964	81,269
TOTALS	33,284,254	26,979	32,441,786	842,468
PERCENTAGE	100%		97%	3%

COMMENTS:	September 2021	$36,430
	Decrease	-$9,451

Respectfully Submitted,
Jay W. Blumenthal
Treasurer

BOARD OF COMMISSIONERS REGULAR PUBLIC MEETING

AGENDA ITEM

November 10, 2022	FC-01-111022	FISCAL IMPACT
DATE	*AGENDA ITEM NUMBER*	Cost > $10,000
		Yes ☐ No ☑
Finance		PUBLIC BID REQUIRED
DEPARTMENT		Cost > $20,100
		Yes ☐ No ☑

AGENDA ITEM:

Expenditures/Salaries & Wages for September 2022

EXECUTIVE SUMMARY:

N/A

PREVIOUS BOARD ACTIONS:

N/A

RECOMMENDED BOARD ACTIONS:

Motion to approve the September 2022 expenditures in the amount of $2,817,182.22 and salaries and wages in the amount of $2,132,472.36, and authorizing the proper officials to sign vouchers in payment of bills and contracts as they mature through the month of December 2022.

(Motion and Roll Call)

EXPENDITURES:

Total Payroll in September			2,132,472.36
Total Accounts Payable in September			2,826,243.22
Total Bank Wires			0.00
Less Void and Stop Payments			(9,061.00)
Total Payments			4,949,654.58
	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	0.00
	Total Wires		0.00
	Voided checks:		
	73445	Platelogic	(4,781.00)
	73406	Treasurer of Montg. Cty.	(620.00)
	75555	Heffernan Insurance	(3,660.00)
	76722	Greco (overflow)	0.00
	76748	Pennoni (overflow)	0.00
	76749	Pennoni (overflow)	0.00
	76750	Pennoni (overflow)	0.00
			(9,061.00)

Payroll Related Expenditures:	September	YTD
FICA Taxes	102,708.64	955,705.79
Hospitalization	372,170.14	3,197,450.25
Prescription	158,179.46	1,401,922.41
Dental	35,430.22	231,948.64
Disability and Life Insurance	14,218.54	126,469.80
Unemployment Compensation	0.00	0.00
	682,707.00	5,913,496.89

Lease Debt Obligation	
Principal & Interest through 9/30/22	51,928.00

EXHIBIT "A"

The major areas of expenditures in the month of September 2022 ($2,199,075.91 or 78%) were paid as follows:

Payee	Description		Amount
Fidelio Insurance Co.	September Dental Premium	10,531.03	
	October Dental Premium	10,531.03	21,062.06
DVHT	September Prescription		158,179.46
Delaware Valley Health	September Health & Dental Insurance Premium		341,664.59
United Healthcare	September Health Care Premium	22,604.11	
	October Health Care Premium	22,269.60	44,873.71
Boston Mutual	Life & Disability Insurance September		14,218.54
Abington Fire Company	Fire Relief - Commonwealth Allocation		86,891.34
All Traffic Solutions	Speed Displays/Traffic Cloud Storage		10,093.00
Aqua PA	SPS Technologies Sewer Reading		14,723.36
Berkheimer	Comission Collection		17,489.93
Chapman Ford	DEA Police Vehicle		35,236.00
City of Philadelphia	Monthly Billing		142,264.65
Colonial Oil Industries	Fuel		72,621.24
Covanta	Solid Waste Disposal		111,773.07
Eagle Truck Equipment	2 Arm Side Loaders		144,900.00
Edge Hill Fire Company	Fire Relief - Commonwealth Allocation		86,891.34
Eureka Stone	Stone Work for Various Township Projects		13,954.59
Gatso-USA	Red Light Camera Jan/Feb/March/April 2021		168,000.00
George Ely Associates, Inc.	Playground Equipment		38,022.00
Glenside Lawn & Garden	Spreader4 and Sprayer		22,500.00
Jay Blumenthal	Commission		11,421.74
Jenkintown Borough	Sewer Rentals		40,026.00
Kendall Electric	Electric Supplies for WWTP		11,589.85
McKinley Fire Company	Fire Relief - Commonwealth Allocation	86,891.34	
	Insurance Reimbursement	10,024.00	
	Preventative Maintenance	8,950.00	105,865.34
Pavement Maintenance Construction	Penbryn Tennis Courts	22,350.00	
	Basketball Courts	29,985.00	52,335.00
PECO	WWTP	21,147.52	
	Various Township Accounts	32,017.30	53,164.82
Pennoni Associates	Various Projects for Township		49,065.77
Pennsylvania Heart & Vascular	Budiness Refund Tax		15,739.00
Petroleum Traders Corporation	Permit Refund		17,530.19
Roslyn Fire Company	Fire Relief - Commonwealth Allocation	86,891.34	
	Reimbursement for Painting	12,150.00	99,041.34
Rudolph Clark, LLC	Retainer-August	10,500.00	
	Retainer-September	10,500.00	21,000.00
Schafer Systems International	Automated Cans		49,303.00
Second Alarmers	Monthly Services May and June		15,625.00
Sigma Controls	Replace Defective Pump at Holy Redeemer		11,325.00
Weldon Fire Company	Fire Relief - Commonwealth Allocation		86,891.34
Xylem Water Solutions	Monthly Rental		13,793.64
		Total	2,199,075.91

TABLE A	
If Budget Number Begins With:	The Fund Name Is:
01	General Fund
02	Sewer Operations
03	Fire Fund
04	Grant Fund & Special Projects
08	Parks Capital
09	Refuse Fund
11	HOME Program Fund
12	Clearing Fund
15	Economic Development Fund
16	S.I.U.
18	Permanent Improvement Fund
19	Sewer Capital
23	Debt Service Fund
35	Highway Aid
41	CDBG Program Fund
70	OPEB Fund
71	Tuition Reimbursement Fund
75	Workers' Compensation

TABLE B	
Department Codes (Example 01-10105-400 = Legislative)	
Legislative	400
Executive	401
Financial Administration	402
Tax Collection	403
Solicitor/Legal Services	404
Other General Government Admin	406
IT-Networking Services	407
Engineering Services	408
General Gov Buildings/Plant	409
Police	410
Fire	411
Ambulance Services	412
Code Enforcement	413
Planning and Zoning	414
Emergency Mgmt. and Comm.	415
Traffic Safety	419
Animal Control	422
Solid Waste Coll and Disposal	427
Wastewater	429
General Services-Admin.	430
Cleaning of Streets/Gutters	431
Winter Maint - Snow Removal	432
Traffic Control Devices	433
Street Lighting	434
Repair of Vehicles	437
Maint/Repair-Roads and Bridges	438
Stormwater Mgmt./Flood Control	446
Culture-Recreation Admin.	451
Participant Recreation	452
Parks	454
Shade Trees	455
Libraries	456
Conservation of Natural Res.	461
Community Dev. and Housing	462
Economic Development	463
Debt Prinicipal	471
Debt Interest	472
Fiscal Agent Fees	475
Unemployment	481
Workers' Comp Insurance	484
Insurance	486
Health Insurance	487
Fiduciary Fund Benefits	488
Transfer to Sewer Capital	492

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
Checks for Cash Account: 99-10090-000 000000						
76193	15896	BORTEK INDUSTRIES INC.	2,182.42	09/01/22		ACH
76194	462	FRIENDS OF BRIAR BUSH	3,740.75	09/01/22		ACH
76195	100203	Robert Smith	10.00	09/01/22		
76196	100192	Upper Providence Township Poli	447.85	09/01/22		
76197	1306	ABINGTON TWP PUBLIC LIBRARY	2,275.00	09/01/22		
76198	16565	Action Industrial Supply Co.	3,795.85	09/01/22		
76199	2961	ACKER'S HARDWARE, INC.	17.99	09/01/22		
76200	7884	AIRGAS USA, LLC	72.25	09/01/22		ACH
76201	9042	ALL TRAFFIC SOLUTIONS	10,093.00	09/01/22		
76202	15969	AMAZON	1,030.00	09/01/22		
76203	15971	APS	1,305.95	09/01/22		
76204	15013	AQUA PA	171.27	09/01/22		
76205	5814	AQUA PENNSYLVANIA	528.02	09/01/22		
76206	5816	AQUA PENNSYLVANIA	301.02	09/01/22		
76207	5817	AQUA PENNSYLVANIA	254.16	09/01/22		
76208	5818	AQUA PENNSYLVANIA	4,797.05	09/01/22		
76209	5822	AQUA PENNSYLVANIA	20.51	09/01/22		
76210	5823	AQUA PENNSYLVANIA	24.43	09/01/22		
76211	5825	AQUA PENNSYLVANIA	59.80	09/01/22		
76212	5826	AQUA PENNSYLVANIA	59.80	09/01/22		
76213	5830	AQUA PENNSYLVANIA	1,716.15	09/01/22		
76214	5831	AQUA PENNSYLVANIA	113.06	09/01/22		
76215	5832	AQUA PENNSYLVANIA	61.20	09/01/22		
76216	5833	AQUA PENNSYLVANIA	20.51	09/01/22		
76217	5834	AQUA PENNSYLVANIA	283.14	09/01/22		
76218	5835	AQUA PENNSYLVANIA	20.51	09/01/22		
76219	5836	AQUA PENNSYLVANIA	243.40	09/01/22		
76220	5838	AQUA PENNSYLVANIA	2,034.03	09/01/22		
76221	5840	AQUA PENNSYLVANIA	121.77	09/01/22		
76222	5841	AQUA PENNSYLVANIA	41.55	09/01/22		
76223	5843	AQUA PENNSYLVANIA	36.60	09/01/22		
76224	5846	AQUA PENNSYLVANIA	21.91	09/01/22		
76225	5847	AQUA PENNSYLVANIA	41.52	09/01/22		
76226	5848	AQUA PENNSYLVANIA	81.16	09/01/22		
76227	5849	AQUA PENNSYLVANIA	3,906.02	09/01/22		
76228	7415	AQUA PENNSYLVANIA	41.30	09/01/22		
76229	10094	AQUA PENNSYLVANIA	59.80	09/01/22		
76230	2776	ARCHIE JOHN	180.62	09/01/22		ACH
76231	8369	ATLANTIC TACTICAL	1,777.97	09/01/22		ACH
76232	13451	BERBEN INSIGNIA COMPANY	145.00	09/01/22		
76233	707	BILLOWS ELECTRIC SUPPLY INC	3,655.67	09/01/22		
76234	15145	BTC FOODS, INC	1,718.00	09/01/22		
76235	12954	BUCKMAN'S INC.	1,807.50	09/01/22		
76236	6812	CDW-GOVERNMENT, INC.	55.35	09/01/22		
76237	15889	CHAPMAN FORD OF HORSHAM	35,236.00	09/01/22		

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
76238	12951	CLARKE, LLC RUDOLPH	10,500.00	09/01/22		ACH
76239	12500	CLEAN MACHINE CARWASH	137.50	09/01/22		
76240	12630	CLUTTON SHARON	180.62	09/01/22		ACH
76241	13773	COLLIFLOWER, INC.	596.44	09/01/22		
76242	16718	COLONIAL OIL INDUSTRIES, INC.	58,867.99	09/01/22		
76243	14883	COMCAST	464.35	09/01/22		
76244	14979	COMCAST	8,039.51	09/01/22		
76245	16690	COMCAST	3,836.57	09/01/22		
76246	7316	COMCAST CABLE	114.85	09/01/22		
76247	7317	COMCAST CABLE	114.85	09/01/22		
76248	16772	COMMUNITY AMBULANCE ASSOCIATIO	2,364.00	09/01/22		
76249	9216	CONTRACTORS HAULING SERVICE	400.00	09/01/22		
76250	3865	EVIDENT CRIME SCENE PRODUCTS	324.21	09/01/22		
76251	8830	FERGUSON ENTERPRISES LLC	446.47	09/01/22		
76252	15662	FERGUSON PLUMBING COMP.	170.76	09/01/22		
76253	970	FIDELIO INSURANCE CO.	10,531.03	09/01/22		
76254	13947	FITNESS MACHINE TECHNICIANS	655.00	09/01/22		
76255	530	FOLEY CAT	151.82	09/01/22		
76256	512	GEPPERT INC. WILLIAM A	211.62	09/01/22		
76257	15506	GRAINGER	4,616.38	09/01/22		
76258	576	GRAN TURK EQUIPMENT CO INC	611.10	09/01/22		ACH
76259	243	GROVE SUPPLY INC.	50.54	09/01/22		
76260	470	HILLYARD - DELAWARE VALLEY INC	361.81	09/01/22		
76261	851	HOME DEPOT CREDIT SERVICES	99.98	09/01/22		
76262	16911	HUXWRX SAFETY CO	3,550.00	09/01/22		
76263	10824	INTERSTATE BATTERY SYSTEM	478.10	09/01/22		
76264	1190	J.D.M. MATERIALS CO.	3,658.00	09/01/22		
76265	3021	JENKINTOWN BOROUGH	40,026.00	09/01/22		
76266	16435	JENKINTOWN BOROUGH POLICE DEPT	2,235.50	09/01/22		
76267	16431	LEAF	209.00	09/01/22		
76268	8105	LENTES MARIANNE	270.93	09/01/22		ACH
76269	15798	LIZZI CUSTOM GRAPHICS LLC.	1,045.00	09/01/22		
76270	5516	LOWE'S BUSINESS ACCOUNT	372.18	09/01/22		
76271	6010	MacFARLAND JAMES	180.62	09/01/22		ACH
76272	9136	MASON CO., INC. W.B.	1,474.86	09/01/22		
76273	14147	MATIZA SUSAN	180.62	09/01/22		ACH
76274	6989	MATTEO LARRY	180.62	09/01/22		ACH
76275	10456	MEGELSH GEORGE	308.00	09/01/22		ACH
76276	3690	METRO ELEVATOR CO., INC.	90.62	09/01/22		
76277	10779	MONTGOMERY TOWNSHIP POLICE DEP	460.55	09/01/22		
76278	11845	MOYER INDOOR/OUTDOOR	788.11	09/01/22		
76279	6257	NABI	75.00	09/01/22		
76280	326	NORTHERN TOOL & EQUIP CO.	189.99	09/01/22		
76281	16425	PECO	711.30	09/01/22		
76282	1189	PENNONI ASSOCIATES INC.	1,956.25	09/01/22		
76283	10464	PETSMART	49.15	09/01/22		

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
76284	7100	PHILA OCCHEALTH	373.53	09/01/22		
76285	16899	PORT A BOWL RESTROOM CO.	138.04	09/01/22		
76286	5858	PPC LUBRICANTS	992.00	09/01/22		ACH
76287	12554	PROGRAMMING & SERVICES INC. GE	3,750.00	09/01/22		
76288	1784	ROMAN PHILLIP A.	541.86	09/01/22		ACH
76289	15712	ROSLYN FIRE COMPANY	12,150.00	09/01/22		ACH
76290	16551	SCHAFER SYSTEMS INTERNATIONAL	49,303.59	09/01/22		
76291	701	SECURITY ON LINE SYSTEMS INC	288.00	09/01/22		
76292	7191	SHADES OF GREEN, INC.	3,800.00	09/01/22		ACH
76293	4607	SHAPIRO FIRE PROTECTION CO	346.81	09/01/22		
76294	5053	SIGMA CONTROLS,INC.	11,325.00	09/01/22		
76295	15719	SPOKEO, INC	600.00	09/01/22		
76296	8628	STAPLES	754.49	09/01/22		
76297	5748	SYNAGRO TECHNOLOGIES INC	8,179.79	09/01/22		ACH
76298	12695	T-MOBILE	25.00	09/01/22		
76299	13060	TRADS	124.00	09/01/22		
76300	10627	TRAFFIC PLANNING & DESIGN INC	440.00	09/01/22		
76301	15874	UNITEDHEALTHCARE	22,604.11	09/01/22		ACH
76302	11835	UNIVERSITY OF PENNSYLVANIA	5,160.00	09/01/22		
76303	14709	VECTOR SECURITY	95.74	09/01/22		
76304	112	VERIZON	82.55	09/01/22		
76305	4072	VERIZON	70.11	09/01/22		
76306	14496	VERIZON	149.98	09/01/22		
76307	12631	VILE EILEEN	90.31	09/01/22		ACH
76308	7500	VILE SUSAN ELIZABETH	78.75	09/01/22		ACH
76309	9145	WELDON FIRE COMPANY	1,008.00	09/01/22		ACH
76310	11940	XYLEM WATERING SOLUTIONS, INC.	13,793.64	09/01/22		

Check totals:	313,398.62
ACH totals:	69,811.34
EFTPS totals:	
Wire transfer totals:	
Payment Manager totals:	
GRAND TOTALS	383,209.96

Check totals:	313,398.62
ACH totals:	69,811.34
EFTPS totals:	
Wire transfer totals:	
Payment Manager totals:	
GRAND TOTALS	383,209.96

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 1 General Fund									
Vendor number: 1306 ABINGTON TWP PUBLIC LIBRARY									
01-10532-456 000000	ADULT LITERACY PROGRAM	2022	LITERCY JULY	0	0	N	08/31/22	2,275.00	
Remarks: Adult Litercy									
Totals for vendor 1306									2,275.00 *
Vendor number: 2961 ACKER'S HARDWARE, INC.									
01-10260-454 000000	SMALL TOOLS AND MINOR EQUIP	2022	2208-169994	83690	1	N	08/31/22	17.99	
Remarks: REPAIRS TO ALVERTHORPE PARK FOOTBALL GOALS									
Totals for vendor 2961									17.99 *
Vendor number: 15969 AMAZON									
01-12210-410 000000	OFFICE SUPPLIES	2022	17YJ77671YJN	83513	1	N	08/31/22	82.38	
Remarks: CUPS									
01-12210-410 000000	OFFICE SUPPLIES	2022	1TLN-4M9M-CP96	83524	1	N	08/24/22	95.61	
Remarks: dust off, drill bits, usbs and tissues									
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	1TLN-4M9M-CP96	83524	1	N	08/24/22	139.51	
Remarks: dust off, drill bits, usbs and tissues									
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	1YCX-1KW1-1V1K	83546	1	N	08/24/22	396.02	
Remarks: PPE for Patrol - soap, clorox etc									
Totals for vendor 15969									713.52 *
Vendor number: 15971 APS									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	8/12/22	83629	1	N	08/31/22	1,175.10	
Remarks: filters, valves, brakes									
Totals for vendor 15971									1,175.10 *
Vendor number: 15013 AQUA PA									
01-10366-451 000000	WATER SERVICE	2022	081722	83688	1	N	08/31/22	171.27	
Remarks: WATER 2595 RUBICAM AVE									
Totals for vendor 15013									171.27 *
Vendor number: 5814 AQUA PENNSYLVANIA									
01-10366-409 000000	WATER SERVICE	2022	AUGUST 2022	0	0	N	08/24/22	264.01	
Remarks: 000128447 012447									
01-10366-409 000000	WATER SERVICE	2022	AUGUST 2022-1	0	0	N	08/31/22	264.01	
Remarks: 000128447 0128447									
Totals for vendor 5814									528.02 *
Vendor number: 5817 AQUA PENNSYLVANIA									
01-10366-452 000000	WATER SERVICE	2022	081622	83675	1	N	08/31/22	254.16	
Remarks: WATER 2828 SPEAR AVE									
Totals for vendor 5817									254.16 *

Vendor number: 5818 AQUA PENNSYLVANIA									
01-10366-452 000000	WATER SERVICE	2022	081622	83676	1	N	08/31/22	.00	
Remarks: WATER 2625 DUMONT RD									
01-10366-452 000000	WATER SERVICE	2022	081622	83676	2	N	08/31/22	4,797.05	
Remarks: WATER 2625 DUMONT RD									
Totals for vendor 5818									4,797.05 *
Vendor number: 5822 AQUA PENNSYLVANIA									
01-10366-451 000000	WATER SERVICE	2022	081122	83689	1	N	08/31/22	20.51	
Remarks: WATER 1059 JENKINTOWN RD									
Totals for vendor 5822									20.51 *
Vendor number: 5823 AQUA PENNSYLVANIA									

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10366-451 000000	WATER SERVICE	2022	081722	83678	1	N	08/31/22	24.43	
Remarks: WATER 1383 EASTON RD									
Totals for vendor 5823									24.43 *
Vendor number: 5825 AQUA PENNSYLVANIA									
01-10366-451 000000	WATER SERVICE	2022	081622	83679	1	N	08/31/22	59.80	
Remarks: WATER 800 HIGHLAND AVE									
Totals for vendor 5825									59.80 *
Vendor number: 5826 AQUA PENNSYLVANIA									
01-10366-451 000000	WATER SERVICE	2022	081722	83680	1	N	08/31/22	59.80	
Remarks: WATER 1800 CLEVELAND AVE									
Totals for vendor 5826									59.80 *
Vendor number: 5830 AQUA PENNSYLVANIA									
01-10366-451 000000	WATER SERVICE	2022	081122	83681	1	N	08/31/22	1,716.15	
Remarks: WATER 400 FORREST AVE									
Totals for vendor 5830						-			1,716.15 *
Vendor number: 5831 AQUA PENNSYLVANIA									
01-10366-451 000000	WATER SERVICE	2022	081122	83682	1	N	08/31/22	113.06	
Remarks: WATER 500 FORREST AVE									
Totals for vendor 5831									113.06 *
Vendor number: 5832 AQUA PENNSYLVANIA									
01-10366-451 000000	WATER SERVICE	2022	081122	83683	2	N	08/31/22	61.20	
Remarks: WATER 1013 INDIAN CREEK RD									
Totals for vendor 5832									61.20 *
Vendor number: 5833 AQUA PENNSYLVANIA									
01-10366-451 000000	WATER SERVICE	2022	081122	83684	1	N	08/31/22	20.51	
Remarks: WATER 865 JENKINTOWN RD									
Totals for vendor 5833									20.51 *
Vendor number: 5834 AQUA PENNSYLVANIA									
01-10366-451 000000	WATER SERVICE	2022	081122	83685	1	N	08/31/22	283.14	
Remarks: WATER 511 MEETINGHOUSE RD									
Totals for vendor 5834									283.14 *
Vendor number: 5835 AQUA PENNSYLVANIA									
01-10366-451 000000	WATER SERVICE	2022	081622	83686	1	N	08/31/22	20.51	
Remarks: WATER 2815 JEFFERSON AVE									
Totals for vendor 5835									20.51 *

Vendor number: 5849 AQUA PENNSYLVANIA									
01-10366-452 000000	WATER SERVICE	2022	081722	83672	1	N	08/31/22	3,906.02	
Remarks: WATER 2571 RUBICAM AVE									
Totals for vendor 5849									3,906.02 *
Vendor number: 7415 AQUA PENNSYLVANIA									
01-10366-451 000000	WATER SERVICE	2022	080922	83673	1	N	08/31/22	41.30	
Remarks: WATER 1301 MEADOWBROOK RD									
Totals for vendor 7415									41.30 *
Vendor number: 8369 ATLANTIC TACTICAL									

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	80780836	83191	1	N	08/31/22	328.97	
Remarks: partial shipment - sights									
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	SI-80744901	83619	1	N	08/24/22	1,449.00	
Remarks: eotech single 123 battery sight									
Totals for vendor 8369									1,777.97 *
Vendor number: 16565 Action Industrial Supply Co.									
01-10238-451 000000	CLOTHING AND UNIFORMS	2022	225734-1	0	0	N	08/31/22	366.82	
Remarks: Uniforms									
01-10238-430 000000	CLOTHING AND UNIFORMS	2022	225734-1	0	0	N	08/31/22	1,509.93	
Remarks: Uniforms									
Totals for vendor 16565									1,876.75 *
Vendor number: 13451 BERBEN INSIGNIA COMPANY									
01-10238-410 000000	CLOTHING AND UNIFORMS	2022	42933	83547	1	N	08/24/22	145.00	
Remarks: badge holders 15									
Totals for vendor 13451									145.00 *
Vendor number: 15896 BORTEK INDUSTRIES INC.									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	760230-00	83601	1	N	08/31/22	2,182.42	
Remarks: brooms for sweeper									
Totals for vendor 15896									2,182.42 *
Vendor number: 15145 BTC FOODS, INC									
01-10410-130 000000	DUE FROM CDBG PROG. FUND	2022	220781	0	0	N	08/31/22	1,718.00	
Remarks: Summer meal									
Totals for vendor 15145									1,718.00 *
Vendor number: 12954 BUCKMAN'S INC.									
01-10221-452 000000	CHEMICALS	2022	795173	83696	1	N	08/31/22	1,084.50	
Remarks: POOL CHEMICALS									
01-10221-452 000000	CHEMICALS	2022	795174	83697	1	N	08/31/22	723.00	
Remarks: POOL CHEMICALS									
Totals for vendor 12954									1,807.50 *
Vendor number: 6812 CDW-GOVERNMENT, INC.									
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	CG52229	83548	1	N	08/31/22	55.35	
Totals for vendor 6812									55.35 *
Vendor number: 12951 CLARKE, LLC RUDOLPH									
01-10314-404 000000	LEGAL SERVICES	2022	AUGUST 2020	0	0	N	08/31/22	10,500.00	
Remarks: Aug Retainer									
Totals for vendor 12951									10,500.00 *

Vendor number: 12500 CLEAN MACHINE CARWASH										
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	7/20 - 8/12	83614	1	N	08/31/22	137.50		
Remarks: car washes 7/20-8/12										
Totals for vendor 12500										137.50 *
Vendor number: 13773 COLLIFLOWER, INC.										
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	7/21	83610	1	N	08/31/22	596.44		
Remarks: fittings, brakes, hose blade										
Totals for vendor 13773										596.44 *
Vendor number: 16718 COLONIAL OIL INDUSTRIES, INC.										
01-10231-437 000000	VEHICLE FUEL-GASOLINE	2022	272, 145	83712	1	N	08/31/22	39,802.80		
Remarks: fuel for twp fleet										

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10231-437 000000	VEHICLE FUEL-GASOLINE	2022	8/17/22	83609	1	N	08/31/22	19,065.19	
Remarks: 6000 gallons unleaded p.d.									
Totals for vendor 16718									58,867.99 *
Vendor number: 14883 COMCAST									
01-10450-407 000000	CONTRACTED SERVICES	2022	SEPTEMBER 2022	0	0	N	08/31/22	464.35	
Remarks: 8499101380417300									
Totals for vendor 14883									464.35 *
Vendor number: 14979 COMCAST									
01-10321-406 000000	TELEPHONE MONTHLY CHARGES	2022	AUGUST 2022	0	0	N	08/31/22	4,160.96	
Remarks: 1176 Old York Rd 905268046									
01-10321-406 000000	TELEPHONE MONTHLY CHARGES	2022	SEPTEMBER 2022	0	0	N	08/30/22	3,878.55	
Remarks: 905268046									
Totals for vendor 14979									8,039.51 *
Vendor number: 7316 COMCAST CABLE									
01-10450-452 000000	CONTRACTED SERVICES	2022	081622	80619	9	N	08/31/22	114.85	
Remarks: CABLE SERVICE CRESTMONT POOL~									
Totals for vendor 7316									114.85 *
Vendor number: 7317 COMCAST CABLE									
01-10450-452 000000	CONTRACTED SERVICES	2022	081622	80621	9	N	08/31/22	114.85	
Remarks: CABLE SERVICE PENBRYN POOL~									
Totals for vendor 7317									114.85 *
Vendor number: 3865 EVIDENT CRIME SCENE PRODUCTS									
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	192993A	83707	1	N	08/30/22	324.21	
Totals for vendor 3865									324.21 *
Vendor number: 8830 FERGUSON ENTERPRISES LLC									
01-10373-409 000000	BUILDING MAINTENANCE	2022	8084568	83628	1	N	08/31/22	179.44	
Remarks: REPAIRS TO POLICE A/C									
Totals for vendor 8830									179.44 *
Vendor number: 15662 FERGUSON PLUMBING COMP.									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	8084586	83722	1	N	08/31/22	170.76	
Remarks: water filters									
Totals for vendor 15662									170.76 *
Vendor number: 970 FIDELIO INSURANCE CO.									
01-77000-222 000000	DENTAL	2022	SEPTEMBER	0	0	N	08/31/22	10,290.68	
Remarks: September 2022 Dental									
01-12196-487 000000	MEDICAL BENEFITS	2022	SEPTEMBER	0	0	N	08/31/22	240.35	

Remarks: September 2022 Dental

Totals for vendor 970 10,531.03 *

Vendor number: 13947 FITNESS MACHINE TECHNICIANS

01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	6726-1	83718	1	N	08/31/22	655.00	

Remarks: parts and repairs for treadmill

Totals for vendor 13947 655.00 *

Vendor number: 530 FOLEY CAT

01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	1117	81549	1	N	08/31/22	151.82	

Remarks: coolant sensor for#160

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 530									151.82 *
Vendor number: 462 FRIENDS OF BRIAR BUSH									
01-10260-452 000000	SMALL TOOLS AND MINOR EQUIP	2022	VET 08/12/22	83193	1	N	08/12/22	1,267.80	
01-10373-452 000000	BUILDING MAINTENANCE	2022	WEB SVC 08.2022	83197	1	N	08/12/22	2,472.95	
Totals for vendor 462									3,740.75 *
Vendor number: 512 GEPPERT INC. WILLIAM A									
01-10373-409 000000	BUILDING MAINTENANCE	2022	26405	83622	1	N	08/31/22	15.99	
Remarks: SHOPVAC FILTER									
01-10260-454 000000	SMALL TOOLS AND MINOR EQUIP	2022	30135	83694	1	N	08/31/22	59.90	
Remarks: REPAIRS TO ALVERTHORPE PARK CONTROL BUILDING									
Totals for vendor 512									75.89 *
Vendor number: 576 GRAN TURK EQUIPMENT CO INC									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	8/19	83615	1	N	08/31/22	611.10	
Remarks: valves, return credit									
Totals for vendor 576									611.10 *
Vendor number: 243 GROVE SUPPLY INC.									
01-10260-452 000000	SMALL TOOLS AND MINOR EQUIP	2022	S5666831.001	83691	1	N	08/31/22	50.54	
Remarks: REPAIRS TO ACEC RESTROOM									
Totals for vendor 243									50.54 *
Vendor number: 851 HOME DEPOT CREDIT SERVICES									
01-10264-410 000000	TACTICAL SUPPLIES	2022	WB21368464	83539	1	N	08/24/22	99.98	
Remarks: Milwaukee Inspection Camera Scope Kit									
Totals for vendor 851									99.98 *
Vendor number: 16911 HUXWRX SAFETY CO									
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	23145	83434	1	N	08/31/22	3,550.00	
Remarks: 4 suppressor kits									
Totals for vendor 16911									3,550.00 *
Vendor number: 10824 INTERSTATE BATTERY SYSTEM									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	3261	83604	1	N	08/31/22	478.10	
Remarks: police batteries									
Totals for vendor 10824									478.10 *
Vendor number: 1190 J.D.M. MATERIALS CO.									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	499636	83603	1	N	08/31/22	228.00	
Totals for vendor 1190									228.00 *

Vendor number: 5516 LOWE'S BUSINESS ACCOUNT									
01-10373-409 000000	BUILDING MAINTENANCE	2022	88702160	83623	1	N	08/31/22	300.99	
Remarks: REPAIRS TO TOWNSHIP BUILDING									
Totals for vendor 5516									300.99 *
Vendor number: 9136 MASON CO., INC. W.B.									
01-12210-401 000000	OFFICE SUPPLIES	2022	231927463	83440	1	N	08/31/22	37.43	
Remarks: notebook risers									
01-12210-402 000000	OFFICE SUPPLIES	2022	231927463	83440	1	N	08/31/22	37.43	
Remarks: notebook risers									
Totals for vendor 9136									74.86 *
Vendor number: 3690 METRO ELEVATOR CO., INC.									

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10450-409 000000	CONTRACTED SERVICES	2022	115960	83625	1	N	08/31/22	90.62	
Remarks: MONTHLY MAINTENANCE CONTRACT									
Totals for vendor 3690									90.62 *
Vendor number: 11845 MOYER INDOOR/OUTDOOR									
01-10450-409 000000	CONTRACTED SERVICES	2022	JULY/AUG	0	0	N	08/31/22	93.28	
Remarks: Pest control									
01-10373-410 000000	BUILDING MAINTENANCE	2022	JULY/AUG	0	0	N	08/31/22	118.72	
Remarks: Pest control									
01-10450-430 000000	CONTRACTED SERVICES	2022	JULY/AUG	0	0	N	08/31/22	118.72	
Remarks: Pest control									
01-10450-452 000000	CONTRACTED SERVICES	2022	JULY/AUG	0	0	N	08/31/22	55.12	
Remarks: Pest control									
01-10450-452 000000	CONTRACTED SERVICES	2022	JULY/AUG	0	0	N	08/31/22	80.56	
Remarks: Pest control									
01-10450-451 000000	CONTRACTED SERVICES	2022	JULY/AUG	0	0	N	08/31/22	47.70	
Remarks: Pest control									
01-10450-451 000000	CONTRACTED SERVICES	2022	JULY/AUG	0	0	N	08/31/22	67.84	
Remarks: Pest control									
Totals for vendor 11845									581.94 *
Vendor number: 6257 NABI									
01-10241-410 000000	GENERAL GOVERNMENT SUPPLIES	2022	21-2410	83530	1	N	08/31/22	75.00	
Totals for vendor 6257									75.00 *
Vendor number: 326 NORTHERN TOOL & EQUIP CO.									
01-10260-451 000000	SMALL TOOLS AND MINOR EQUIP	2022	50728228	83205	1	N	08/31/22	189.99	
Remarks: LIFT ASSIST FOR TRAILERS									
Totals for vendor 326									189.99 *
Vendor number: 10464 PETSMART									
01-10260-452 000000	SMALL TOOLS AND MINOR EQUIP	2022	BBNC 8/13/22	82534	1	N	08/13/22	49.15	
Remarks: Animal food & care									
Totals for vendor 10464									49.15 *
Vendor number: 7100 PHILA OCCHEALTH									
01-12310-410 000000	PROFESSIONAL SERVICES	2022	03618737, 03627	83717	1	N	08/31/22	373.53	
Remarks: invoices 03618738-00 and 03627993-00									
Totals for vendor 7100									373.53 *
Vendor number: 16899 PORT A BOWL RESTROOM CO.									
01-10450-452 000000	CONTRACTED SERVICES	2022	11377	83692	1	N	08/31/22	138.04	
Remarks: ACEC RESTROOM RENTAL									
Totals for vendor 16899									138.04 *

Vendor number: 5858 PPC LUBRICANTS									
01-10231-437 000000	VEHICLE FUEL-GASOLINE	2022	2056327	83608	1	N	08/31/22	992.00	
Remarks: 400 gallons of def fluid									
Totals for vendor 5858									992.00 *
Vendor number: 12554 PROGRAMMING & SERVICES INC. GE									
01-10450-452 000000	CONTRACTED SERVICES	2022	081222	83699	1	N	08/31/22	3,750.00	
Remarks: ULTIMATE STEALTH CAMP									
Totals for vendor 12554									3,750.00 *
Vendor number: 701 SECURITY ON LINE SYSTEMS INC									
01-10450-409 000000	CONTRACTED SERVICES	2022	88594	83627	1	N	08/31/22	288.00	
Remarks: REPAIR CONTRACT									

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 701									288.00 *
Vendor number: 4607 SHAPIRO FIRE PROTECTION CO									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	16649	81417	1	N	08/31/22	197.73	
Remarks: PORTABLE FIRE EXTINGUISHER									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	18081	83602	1	N	08/31/22	149.08	
Remarks: fire extinguisher recharge inspection									
Totals for vendor 4607									346.81 *
Vendor number: 15719 SPOKEO, INC									
01-10450-410 000000	CONTRACTED SERVICES	2022	16616_08272022	83713	1	N	08/31/22	600.00	
Totals for vendor 15719									600.00 *
Vendor number: 8628 STAPLES									
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	3515179868	83306	1	N	08/31/22	174.88	
Remarks: batteries and flashdrives									
01-12210-451 000000	OFFICE SUPPLIES	2022	3515688403	83543	1	N	08/31/22	29.99	
Remarks: IPAD CASE, CHARGER, CABLE									
01-12210-451 000000	OFFICE SUPPLIES	2022	3515688404	83543	1	N	08/31/22	7.99	
Remarks: IPAD CASE, CHARGER, CABLE									
Totals for vendor 8628									212.86 *
Vendor number: 12695 T-MOBILE									
01-10241-410 000000	GENERAL GOVERNMENT SUPPLIES	2022	9503655963	83533	1	N	08/31/22	25.00	
Totals for vendor 12695									25.00 *
Vendor number: 13060 TRADS									
01-10450-419 000000	CONTRACTED SERVICES	2022	348779-202207-1	83214	1	N	08/18/22	124.00	
Totals for vendor 13060									124.00 *
Vendor number: 15874 UNITEDHEALTHCARE									
01-12196-487 000000	MEDICAL BENEFITS	2022	SEPTEMBER 2022	0	0	N	08/31/22	90.31	
Remarks: September 2022									
Totals for vendor 15874									90.31 *
Vendor number: 14709 VECTOR SECURITY									
01-10450-452 000000	CONTRACTED SERVICES	2022	70373903	83175	1	N	08/12/22	95.74	
Totals for vendor 14709									95.74 *
Vendor number: 4072 VERIZON									
01-10321-406 000000	TELEPHONE MONTHLY CHARGES	2022	SEPTEMBER 2022	0	0	N	08/31/22	70.11	
Remarks: Phone									
Totals for vendor 4072									70.11 *

Vendor number: 7500 VILE SUSAN ELIZABETH											
01-10450-410 000000	CONTRACTED SERVICES	2022	AUGUST 25,2022	0	0	N	08/31/22	78.75			
Remarks: Minutes											
Totals for vendor 7500											78.75 *
Totals for fund 1											134,051.34 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 2 Sewer Fund									
Vendor number: 7884 AIRGAS USA, LLC									
02-10450-429 000000	CONTRACTED SERVICES	2022	9987789189	83655	1	N	08/31/22	72.25	
Remarks: ACETYLENE, OXYGEN, PROPANE & WELDING SUPPLIES									
Totals for vendor 7884									72.25 *
Vendor number: 15971 APS									
02-10260-429 000000	SMALL TOOLS AND MINOR EQUIP	2022	00196183	83665	1	N	08/31/22	65.90	
Remarks: UNIVERSAL JOINT									
02-10260-429 000000	SMALL TOOLS AND MINOR EQUIP	2022	00196867	83664	1	N	08/31/22	64.95	
Remarks: WATER PROOF GREASE									
Totals for vendor 15971									130.85 *
Vendor number: 5836 AQUA PENNSYLVANIA									
02-10366-429 000000	WATER SERVICE	2022	08-19-2022-1	83731	1	N	08/31/22	243.40	
Remarks: MONTHLY WATER BILL									
Totals for vendor 5836									243.40 *
Vendor number: 5838 AQUA PENNSYLVANIA									
02-10366-429 000000	WATER SERVICE	2022	08-19-2022	83729	1	N	08/31/22	2,034.03	
Remarks: MONTHLY WATER BILL									
Totals for vendor 5838									2,034.03 *
Vendor number: 5840 AQUA PENNSYLVANIA									
02-10366-429 000000	WATER SERVICE	2022	08-19-2022	83741	1	N	08/31/22	121.77	
Remarks: MONTHLY WATER BILL									
Totals for vendor 5840									121.77 *
Vendor number: 5841 AQUA PENNSYLVANIA									
02-10366-429 000000	WATER SERVICE	2022	08-11-2022	83736	1	N	08/31/22	41.55	
Remarks: MONTHLY WATER BILL									
Totals for vendor 5841									41.55 *
Vendor number: 5843 AQUA PENNSYLVANIA									
02-10366-429 000000	WATER SERVICE	2022	08-09-2022	83735	1	N	08/31/22	36.60	
Remarks: MONTHLY WATER BILL									
Totals for vendor 5843									36.60 *
Vendor number: 5846 AQUA PENNSYLVANIA									
02-10366-429 000000	WATER SERVICE	2022	07-09-2022	83733	1	N	08/31/22	21.91	
Remarks: MONTHLY WATER BILL									
Totals for vendor 5846									21.91 *

Vendor number: 5847 AQUA PENNSYLVANIA									
02-10366-429 000000	WATER SERVICE	2022	08-17-2022	83730	1	N	08/31/22	41.52	
Remarks: MONTHLY WATER BILL									
Totals for vendor 5847									41.52 *
Vendor number: 5848 AQUA PENNSYLVANIA									
02-10366-429 000000	WATER SERVICE	2022	08-10-2022	83737	1	N	08/31/22	81.16	
Remarks: MONTHLY WATER BILL									
Totals for vendor 5848									81.16 *
Vendor number: 10094 AQUA PENNSYLVANIA									
02-10366-429 000000	WATER SERVICE	2022	08-23-2022	83732	1	N	08/31/22	59.80	
Remarks: MONTHLY WATER BILL									

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 10094									59.80 *
Vendor number: 16565 Action Industrial Supply Co.									
02-10238-429 000000	CLOTHING AND UNIFORMS	2022	225734-1	0	0	N	08/31/22	654.18	
Remarks: Uniforms									
Totals for vendor 16565									654.18 *
Vendor number: 16690 COMCAST									
02-10450-429 000000	CONTRACTED SERVICES	2022	JULY AUGUST	0	0	N	08/31/22	3,836.57	
Remarks: 930904907									
Totals for vendor 16690									3,836.57 *
Vendor number: 470 HILLYARD - DELAWARE VALLEY INC									
02-10227-429 000000	SANITATION SUPPLIES	2022	604773801	83659	1	N	08/31/22	361.81	
Remarks: ROLL TOWELS & TOLIET PAPER									
Totals for vendor 470									361.81 *
Vendor number: 3021 JENKINTOWN BOROUGH									
02-11530-429 000000	PAYMENT TO OTHER GOVERNMENTS	2022	2021 ACTUAL SEW	0	0	N	08/31/22	40,026.00	
Remarks: Actual Sewer for unmetered flow									
Totals for vendor 3021									40,026.00 *
Vendor number: 11845 MOYER INDOOR/OUTDOOR									
02-10450-429 000000	CONTRACTED SERVICES	2022	JULY/AUG	0	0	N	08/31/22	59.89	
Remarks: Pest control									
Totals for vendor 11845									59.89 *
Vendor number: 8628 STAPLES									
02-10227-429 000000	SANITATION SUPPLIES	2022	3515179871	83657	1	N	08/31/22	13.52	
Remarks: BOXES OF TISSUES									
02-12210-429 000000	OFFICE SUPPLIES	2022	3515179873	83658	1	N	08/31/22	73.65	
Remarks: FILE FOLDERS & MEMORY FLASH STICKS									
Totals for vendor 8628									87.17 *
Vendor number: 5748 SYNAGRO TECHNOLOGIES INC									
02-10450-429 000000	CONTRACTED SERVICES	2022	31528	83639	1	N	08/31/22	8,179.79	
Remarks: BIOSOLIDS TO LAND APPLICATION									
Totals for vendor 5748									8,179.79 *
Vendor number: 112 VERIZON									
02-10321-429 000000	TELEPHONE MONTHLY CHARGES	2022	SEPT 2022-1	0	0	N	08/31/22	1.25	
Remarks: 950726463000174 Pump station									
02-10321-429 000000	TELEPHONE MONTHLY CHARGES	2022	SEPTEMBER	0	0	N	08/31/22	44.10	
Remarks: 450726470000139 Pump Station									

Totals for vendor 112 45.35 *

Totals for fund 2 56,135.60 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 3 Fire Services Fund									
Vendor number: 8628 STAPLES									
03-10260-411 000000	SMALL TOOL AND MINOR EQUIP	2022	07/20 AND 07/30	83021	1	N	08/31/22	214.67	
Remarks: Minor Equipment and Supplies									
03-10260-411 000000	SMALL TOOL AND MINOR EQUIP	2022	07/20 AND 07/30	83021	1	N	08/31/22	130.89	
Remarks: Minor Equipment and Supplies									
03-10263-411 000000	COMPUTER EQUIPMENT/PARTS	2022	07/20 AND 07/30	83021	1	N	08/31/22	108.90	
Remarks: Minor Equipment and Supplies									
Totals for vendor 8628									454.46 *
Vendor number: 14496 VERIZON									
03-10263-411 000000	COMPUTER EQUIPMENT/PARTS	2022	08/2022	83651	1	N	08/31/22	149.98	
Remarks: ATFD Fios Internet and Router									
Totals for vendor 14496									149.98 *
Vendor number: 9145 WELDON FIRE COMPANY									
03-10374-411 000000	411	2022	PM 2- 07/2022	83436	1	N	08/31/22	1,008.00	
Totals for vendor 9145									1,008.00 *
Totals for fund 3									1,612.44 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 4 Grant and Special ProjectsFund									
Vendor number: 15969 AMAZON									
04-10450-410-GP2101	CONTRACTED SERVICES	2022	179K4NFGJHJV	83523	1	N	08/31/22	97.82	
Remarks: plinko board for appreciation event plus credit									
04-10260-410-GPTEST	SMALL TOOLS AND MINOR EQUIP	2022	1DP1PJLD6Y9J	83526	1	N	08/31/22	71.41	
Remarks: supplies for oral interviews									
04-10450-410-GP2101	CONTRACTED SERVICES	2022	1G1HHWC1C9PX	83525	1	N	08/31/22	147.25	
Remarks: PLAQUES FOR APPRECIATION EVENT									
Totals for vendor 15969									316.48 *
Vendor number: 707 BILLOWS ELECTRIC SUPPLY INC									
04-10740-429-AR2134	MACHINERY	2022	5885881-00	83661	1	N	08/31/22	191.59	
Remarks: STRANDED COPPER WIRE									
Totals for vendor 707									191.59 *
Vendor number: 16772 COMMUNITY AMBULANCE ASSOCIATIO									
04-10530-410-GP2003	PAYMENT TO OTHERS	2022	72322DUIEMS	83456	1	N	08/31/22	2,364.00	
Totals for vendor 16772									2,364.00 *
Vendor number: 9216 CONTRACTORS HAULING SERVICE									
04-10720-408-AR2115	IMPROV. OTHER THAN BUILDINGS	2022	500832	83636	1	N	08/31/22	400.00	
Totals for vendor 9216									400.00 *
Vendor number: 8830 FERGUSON ENTERPRISES LLC									
04-10720-408-AR2115	IMPROV. OTHER THAN BUILDINGS	2022	8107891	83612	1	N	08/31/22	267.03	
Remarks: 4 PVC DWV COUP, 4 CLAY X 4 CI PVC COUP									
Totals for vendor 8830									267.03 *
Vendor number: 15506 GRAINGER									
04-10260-430-GA2001	SMALL TOOLS AND MINOR EQUIP	2022	9394541131	0	0	N	08/31/22	168.04	
Remarks: Medical Detector for Police									
04-10260-430-GA2001	SMALL TOOLS AND MINOR EQUIP	2022	9400764909	0	0	N	08/31/22	4,448.34	
Remarks: Walk through Metal Detector									
Totals for vendor 15506									4,616.38 *
Vendor number: 1190 J.D.M. MATERIALS CO.									
04-10720-408-AR2115	IMPROV. OTHER THAN BUILDINGS	2022	500241	83613	1	N	08/31/22	3,430.00	
Remarks: 28" MIDDLE 28" TOP F/S GARDEN									
Totals for vendor 1190									3,430.00 *
Vendor number: 16435 JENKINTOWN BOROUGH POLICE DEPT									
04-10530-410-GP2003	PAYMENT TO OTHERS	2022	61072322DUIJENK	83455	1	N	08/31/22	389.05	
04-10530-410-GP2003	PAYMENT TO OTHERS	2022	61072322DUIJENK	83455	2	N	08/31/22	364.35	
04-10530-410-GP2003	PAYMENT TO OTHERS	2022	61072322DUIJENK	83455	3	N	08/31/22	364.35	

04-10530-410-GP2003	PAYMENT TO OTHERS	2022	61072322DUIJENK	83455	4	N	08/31/22	389.05	
04-10530-410-GP2003	PAYMENT TO OTHERS	2022	072322DUIJENK	83455	5	N	08/31/22	364.35	
04-10530-410-GP2003	PAYMENT TO OTHERS	2022	1072322DUIJENK	83455	6	N	08/31/22	364.35	
Totals for vendor 16435									2,235.50 *
Vendor number: 9136 MASON CO., INC. W.B.									
04-10720-408-AR2118	IMPROV. OTHER THAN BUILDINGS	2022	231785049	83307	1	N	08/31/22	280.00	
Remarks: file cabinets									
Totals for vendor 9136									280.00 *
Vendor number: 10779 MONTGOMERY TOWNSHIP POLICE DEP									
04-10530-410-GP2003	PAYMENT TO OTHERS	2022	72322DUIMT	83457	1	N	08/31/22	460.55	

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Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 10779									460.55 *
Vendor number: 5053 SIGMA CONTROLS,INC.									
04-10740-429-AR2134	MACHINERY	2022	030897	80793	1	N	08/24/22	11,325.00	
Remarks: DUPLEX PUMP CONTROL PANEL WITH VIDEO									
Totals for vendor 5053									11,325.00 *
Vendor number: 100192 Upper Providence Township Poli									
04-10530-410-GP2003	PAYMENT TO OTHERS	2022	72322DUIUP	83458	1	N	08/31/22	447.85	
Totals for vendor 100192									447.85 *
Vendor number: 11940 XYLEM WATERING SOLUTIONS, INC.									
04-10740-429-AR2134	MACHINERY	2022	3556C10002	83618	1	N	08/31/22	2,849.50	
Remarks: MOUNTING STAND									
04-10740-429-AR2134	MACHINERY	2022	3556C10930	83617	1	N	08/31/22	448.00	
Remarks: MINI -CAS MOTOR MONITOR									
04-10740-429-AR2134	MACHINERY	2022	401189982	83706	1	N	08/31/22	7,624.24	
Remarks: MONTHLY RENTAL OF BACKUP ELECTRIC PUMP FOR RYDAL STATION									
04-10740-429-AR2134	MACHINERY	2022	401191046	83705	1	N	08/31/22	2,871.90	
Remarks: MONTHLY RENTAL OF VALVES & HOSING FOR PUMP									
Totals for vendor 11940									13,793.64 *
Totals for fund 4									40,128.02 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 9 Refuse Fund									
Vendor number: 5816 AQUA PENNSYLVANIA									
09-10366-427-000000	WATER SERVICE	2022	0128423 081622	83631	1	N	08/31/22	301.02	
Remarks: 0128423 3010 Jefferson Ave									
Totals for vendor 5816									301.02 *
Vendor number: 16565 Action Industrial Supply Co.									
09-10238-427-000000	CLOTHING AND UNIFORMS	2022	225734-1	0	0	N	08/31/22	1,264.92	
Remarks: Uniforms									
Totals for vendor 16565									1,264.92 *
Vendor number: 512 GEPPERT INC. WILLIAM A									
09-10374-427-000000	MACHINERY AND EQUIPMENT MAINT.	2022	25715	83635	1	N	08/31/22	135.73	
Remarks: Order No 25715									
Totals for vendor 512									135.73 *
Vendor number: 5516 LOWE'S BUSINESS ACCOUNT									
09-10260-427-000000	SMALL TOOLS AND MINOR EQUIP	2022	08052022	83576	1	N	08/24/22	71.19	
Remarks: Trans # 8702160 08052022									
Totals for vendor 5516									71.19 *
Vendor number: 11845 MOYER INDOOR/OUTDOOR									
09-10450-427-000000	CONTRACTED SERVICES	2022	JULY/AUG	0	0	N	08/31/22	146.28	
Remarks: Pest control									
Totals for vendor 11845									146.28 *
Vendor number: 16425 PECO									
09-10361-427-000000	ELECTRIC AND GAS	2022	08162022 GARAGE	83633	1	N	08/31/22	51.49	
Remarks: 08162022 Garage, 995 Fitzwatertown									
09-10361-427-000000	ELECTRIC AND GAS	2022	47015 - 081622	83632	1	N	08/31/22	659.81	
Remarks: 42340-47015 995 Fitzwatertown Rd									
Totals for vendor 16425									711.30 *
Vendor number: 100203 Robert Smith									
09-10304-364-000000	LARGE ITEM PICK-UP	2022	REFUND	0	0	N	08/31/22	10.00	
Remarks: Large Item refund									
Totals for vendor 100203									10.00 *
Vendor number: 16551 SCHAFER SYSTEMS INTERNATIONAL									
09-10740-427-220060	MACHINERY	2022	PCINV121197	81000	1	N	08/31/22	49,303.59	
Remarks: AUTOMATED TRASH , PAPER, & COMMINGLE									
Totals for vendor 16551									49,303.59 *

Totals for fund 9 51,944.03 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 18 Capital Projects Fund									
Vendor number: 9042 ALL TRAFFIC SOLUTIONS									
18-10740-410-220018	MACHINERY	2022	033956	83515	1	N	08/31/22	10,093.00	
Remarks: alert message board									
Totals for vendor 9042									10,093.00 *
Vendor number: 15889 CHAPMAN FORD OF HORSHAM									
18-10760-410-220009	POLICE VEHICLES AND EQUIPMENT	2022	CAR1	80385	1	N	08/31/22	35,236.00	
Remarks: 2022 Explorer1FM5K8AB4NGA40445									
Totals for vendor 15889									35,236.00 *
Vendor number: 15798 LIZZI CUSTOM GRAPHICS LLC.									
18-10760-410-220009	POLICE VEHICLES AND EQUIPMENT	2022	AT2216	83724	1	N	08/31/22	1,045.00	
Remarks: Lettering for 29-25 car									
Totals for vendor 15798									1,045.00 *
Vendor number: 9136 MASON CO., INC. W.B.									
18-10730-409-220003	BUILDINGS CAPITAL	2022	231785049	83307	1	N	08/31/22	1,120.00	
Remarks: file cabinets									
Totals for vendor 9136									1,120.00 *
Vendor number: 1189 PENNONI ASSOCIATES INC.									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1120751	0	0	N	08/31/22	1,956.25	
Remarks: ABINT130025 INV1120751									
Totals for vendor 1189									1,956.25 *
Vendor number: 15712 ROSLYN FIRE COMPANY									
18-10730-411-220036	BUILDINGS CAPITAL	2022	STA 500 COLLINS	83586	1	N	08/31/22	12,150.00	
Remarks: Approved Purchase Justification. STA 500 Capital Project.									
Totals for vendor 15712									12,150.00 *
Vendor number: 7191 SHADES OF GREEN, INC.									
18-10660-454-220055	PROFESSIONAL FEES	2022	26433	83553	1	N	08/31/22	3,800.00	
Remarks: TREE REMOVAL COOLIDGE AVE									
Totals for vendor 7191									3,800.00 *
Vendor number: 10627 TRAFFIC PLANNING & DESIGN INC									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	TPD30986	0	0	N	08/31/22	440.00	
Remarks: ABTO 00032 Autozone Easton Road									
Totals for vendor 10627									440.00 *
Vendor number: 11835 UNIVERSITY OF PENNSYLVANIA									
18-10740-410-220016	MACHINERY	2022	072822 CONTRACT	83518	1	N	08/31/22	5,160.00	

Remarks: contract for 3 K9 dog visits, care, meds

Totals for vendor 11835 5,160.00 *

Totals for fund 18 71,000.25 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 23 Debt Service Fund									
Vendor number: 16431 LEAF									
23-10384-471 000000	RENT OF MACHINERY/EQUIPMENT	2022	SEPTEMBER	0	0	N	08/31/22	209.00	
Remarks: Copier Lease									
Totals for vendor 16431									209.00 *
Totals for fund 23									209.00 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 35 Highway Aid Fund									
Vendor number: 707 BILLOWS ELECTRIC SUPPLY INC									
35-10374-433-000000	MACHINERY AND EQUIPMENT MAINT.	2022	4577	83725	1	N	08/30/22	3,464.08	
Remarks: composite pull boxes									
Totals for vendor 707									3,464.08 *
Vendor number: 112 VERIZON									
35-10374-433-000000	MACHINERY AND EQUIPMENT MAINT.	2022	SEPTEMBER 2022	0	0	N	08/31/22	37.20	
Remarks: phone									
Totals for vendor 112									37.20 *
Totals for fund 35									3,501.28 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 70 OPEB Fund									
Vendor number: 2776 ARCHIE JOHN									
70-11196-488-000000	OUT OF AREA MEDICAL REIMB.	2022	SEPT 2022	0	0	N	08/31/22	180.62	
Remarks: MEDICARE REIMBURSEMENT									
Totals for vendor 2776									180.62 *
Vendor number: 12630 CLUTTON SHARON									
70-11196-488-000000	OUT OF AREA MEDICAL REIMB.	2022	JULY AUGUST 202	0	0	N	08/31/22	180.62	
Remarks: MEDICARE REIMBURSEMENT									
Totals for vendor 12630									180.62 *
Vendor number: 8105 LENTES MARIANNE									
70-11196-488-000000	OUT OF AREA MEDICAL REIMB.	2022	JUNE AUG 2022	0	0	N	08/31/22	270.93	
Remarks: MEDICARE REIMBURSEMENT									
Totals for vendor 8105									270.93 *
Vendor number: 14147 MATIZA SUSAN									
70-11196-488-000000	OUT OF AREA MEDICAL REIMB.	2022	AUGUST 2022	0	0	N	08/31/22	180.62	
Remarks: MEDICARE REIMBURSEMENT									
Totals for vendor 14147									180.62 *
Vendor number: 6989 MATTEO LARRY									
70-11196-488-000000	OUT OF AREA MEDICAL REIMB.	2022	AUG 2022	0	0	N	08/31/22	180.62	
Remarks: MEDICARE REIMBURSEMENT									
Totals for vendor 6989									180.62 *
Vendor number: 10456 MEGELSH GEORGE									
70-11196-488-000000	OUT OF AREA MEDICAL REIMB.	2022	AUGUST 2022	0	0	N	08/31/22	308.00	
Remarks: MEDICARE REIMBURSEMENT									
Totals for vendor 10456									308.00 *
Vendor number: 6010 MacFARLAND JAMES									
70-11196-488-000000	OUT OF AREA MEDICAL REIMB.	2022	SEPTEMBER 2022	0	0	N	08/31/22	180.62	
Remarks: September 22									
Totals for vendor 6010									180.62 *
Vendor number: 1784 ROMAN PHILLIP A.									
70-11196-488-000000	OUT OF AREA MEDICAL REIMB.	2022	JULY TO SEPT 22	0	0	N	08/31/22	541.86	
Remarks: MEDICARE REIMBURSEMENT									
Totals for vendor 1784									541.86 *
Vendor number: 15874 UNITEDHEALTHCARE									
70-12196-488-000000	MEDICAL BENEFITS	2022	SEPTEMBER 2022	0	0	N	08/31/22	7,372.67	

Remarks: September 2022										
	70-12196-488-000000	MEDICAL BENEFITS	2022	SEPTEMBER 2022	0	0	N	08/31/22	15,141.13	
Remarks: September 2022										
Totals for vendor 15874										22,513.80 *
Vendor number: 12631 VILE EILEEN										
	70-11196-488-000000	OUT OF AREA MEDICAL REIMB.	2022	JULY 2022	0	0	N	08/30/22	90.31	
Remarks: MEDICARE REIMBURSEMENT										
Totals for vendor 12631										90.31 *
Totals for fund 70										24,628.00 **

Grand totals	383,209.96 ***

*** End of Report ***

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
Checks for Cash Account: 99-10090-000 000000						
76311	100197	ABP Investments Inc.	238.00	09/08/22		
76312	15896	BORTEK INDUSTRIES INC.	2,019.75	09/08/22		ACH
76313	100201	Donald Vozzy Jr.	791.54	09/08/22		
76314	100143	DYAN KRAJNIKOVICH	8,225.00	09/08/22		
76315	462	FRIENDS OF BRIAR BUSH	252.00	09/08/22		ACH
76316	100151	Maxim Defense	2,250.00	09/08/22		
76317	100195	Raftelis	3,631.25	09/08/22		
76318	100198	Ronie Karkenny & Amy Cavanaugh	13.00	09/08/22		
76319	100199	TEVA LANDSCAPING	1,000.00	09/08/22		
76320	2961	ACKER'S HARDWARE, INC.	1.60	09/08/22		
76321	16855	AG-INDUSTRIAL, INC.	1,677.25	09/08/22		
76322	15969	AMAZON	522.55	09/08/22		
76323	2053	ANALYTICAL LABORATORIES, INC.	370.00	09/08/22		ACH
76324	2975	APPLIED MICRO SYSTEMS, LTD.	153.30	09/08/22		
76325	15971	APS	2,591.47	09/08/22		
76326	9224	AQUA PA WASTEWATER	14,723.36	09/08/22		
76327	5815	AQUA PENNSYLVANIA	211.94	09/08/22		
76328	5824	AQUA PENNSYLVANIA	115.20	09/08/22		
76329	5829	AQUA PENNSYLVANIA	115.20	09/08/22		
76330	10093	ARDMORE TIRE COMPANY	5,432.00	09/08/22		
76331	2581	BERARDELLI POOL SERVICE	632.00	09/08/22		
76332	825	BERGEY'S INC.	373.59	09/08/22		
76333	7829	BIASE LANDSCAPING LLC	2,639.65	09/08/22		
76334	707	BILLOWS ELECTRIC SUPPLY INC	44.05	09/08/22		
76335	8710	CARMINATI MARY	59.38	09/08/22		
76336	15889	CHAPMAN FORD OF HORSHAM	359.80	09/08/22		
76337	12951	CLARKE, LLC RUDOLPH	742.50	09/08/22		ACH
76338	9551	CODY SYSTEMS	4,626.00	09/08/22		
76339	16726	COMCAST	148.45	09/08/22		
76340	15313	COMCAST CABLE	54.80	09/08/22		
76341	3261	CONROY'S CLEANING INC	2,300.00	09/08/22		ACH
76342	4594	D.V.H.T.	327,296.43	09/08/22		
76343	14374	D.V.H.T.	172,547.62	09/08/22		
76344	15848	DE LAGE LANDEN FINANCIAL	78.00	09/08/22		ACH
76345	16004	DECK'S LANDSCAPING, INC.	6,125.00	09/08/22		
76346	8023	DEHART & SON H.A.	6,811.75	09/08/22		
76347	1100	EUREKA STONE QUARRY, INC.	13,954.59	09/08/22		
76348	145	EXETER SUPPLY CO INC	680.22	09/08/22		
76349	13114	FASTENAL COMPANY	146.55	09/08/22		
76350	419	FEDERAL EXPRESS	443.37	09/08/22		
76351	1004	FISHER & SON CO., INC.	1,913.12	09/08/22		
76352	512	GEPPERT INC. WILLIAM A	572.87	09/08/22		
76353	5517	GLASGOW, INC.	469.90	09/08/22		ACH
76354	12070	GRIN AND WEAR IT	100.00	09/08/22		
76355	4507	HIGHWAY MATERIALS, INC.	818.64	09/08/22		

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
76356	10824	INTERSTATE BATTERY SYSTEM	478.10	09/08/22		
76357	10249	ITSAVVY LLC	693.58	09/08/22		ACH
76358	12868	KELLER, INC. CHARLES G.	1,400.00	09/08/22		
76359	920	KIRKLAND PRINTING, INC	283.00	09/08/22		
76360	12818	LANSDALE CHRYSLER	234.75	09/08/22		
76361	16738	LEADS ONLINE	7,966.00	09/08/22		
76362	15731	LEAF	133.00	09/08/22		
76363	5516	LOWE'S BUSINESS ACCOUNT	76.52	09/08/22		
76364	6429	LYNCH KENNETH	669.57	09/08/22		
76365	16005	M&M LAWNCARE EAST, INC.	1,928.57	09/08/22		
76366	14459	MAGNET FORENSICS	4,040.00	09/08/22		
76367	8813	MARK 1 RESTORATION SERVICE INC	1,151.88	09/08/22		
76368	15839	MARRERO JOSEPH	46.68	09/08/22		
76369	8257	MCDONALD UNIFORMS	5,425.25	09/08/22		
76370	8278	MSC INDUSTRIAL SUPPLY COMPANY	40.32	09/08/22		
76371	928	MUNICIPAL SUPPLY CO.,INC U.S.	1,308.35	09/08/22		
76372	1034	NAPA AUTO PARTS	53.26	09/08/22		
76373	937	OLD DOMINION BRUSH INC.	2,891.00	09/08/22		ACH
76374	14691	Peco Energy	2,974.63	09/08/22		
76375	13301	PFM ASSET MANAGEMENT LLC	190.23	09/08/22		ACH
76376	13043	QUENCH USA INC.	217.80	09/08/22		
76377	12991	READY REFRESH	54.98	09/08/22		
76378	15038	REBELO JR MARK	1,094.42	09/08/22		
76379	5194	RODON SIGNS INC.	345.00	09/08/22		
76380	1218	RUSSELL BROS INC.	1,350.00	09/08/22		
76381	15124	SHECHTMAN TREE CARE, LLC	3,170.00	09/08/22		
76382	1882	SHERWIN WILLIAMS CO.	45.72	09/08/22		
76383	15540	THE HOME DEPOT PRO	697.30	09/08/22		
76384	15331	ULINE	368.39	09/08/22		
76385	8824	US SPORTS INSTITUTE, INC	3,360.00	09/08/22		
76386	112	VERIZON	87.15	09/08/22		
76387	998	WITMER PUBLIC SAFETY GROUP INC	116.89	09/08/22		ACH
76388	11940	XYLEM WATERING SOLUTIONS, INC.	9,074.62	09/08/22		

Check totals:	630,115.80
ACH totals:	10,123.85
EFTPS totals:	
Wire transfer totals:	
Payment Manager totals:	
GRAND TOTALS	640,239.65

Check totals:	630,115.80
ACH totals:	123.85
EFTPS totals:	
Wire transfer totals:	
Payment Manager totals:	
GRAND TOTALS	640,239.65

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 1 General Fund									
Vendor number: 100197 ABP Investments Inc.									
01-12101-301 000000	R.E. TAXES ASSESS. SETTLEMENTS	2022	AUGUST 30, 2022	0	0	N	09/07/22	201.00	
Remarks: Assessment Appeal Refund									
Totals for vendor 100197									201.00 *
Vendor number: 2961 ACKER'S HARDWARE, INC.									
01-10373-451 000000	BUILDING MAINTENANCE	2022	2208-170198	83751	1	N	09/07/22	1.60	
Remarks: REPAIRS TO CRESTMONT CLUBHOUSE									
Totals for vendor 2961									1.60 *
Vendor number: 16855 AG-INDUSTRIAL, INC.									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	79444	83643	1	N	09/07/22	1,677.25	
Remarks: BELTS & FLAILS FOR BRUSH TRACTOR									
Totals for vendor 16855									1,677.25 *
Vendor number: 15969 AMAZON									
01-12210-410 000000	OFFICE SUPPLIES	2022	13N7-1PPL-CHNQ	83781	1	N	09/07/22	82.99	
Remarks: 8 oz cups									
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	1FNT-7V1P-D66T	83653	1	N	09/07/22	249.99	
Remarks: dets projector									
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	1MYXWF9G4WGV	83791	1	N	09/07/22	119.99	
Remarks: road flares for Auxiliary police									
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	1VNTL44NM9JR	83796	1	N	09/07/22	69.58	
Remarks: webcam									
Totals for vendor 15969									522.55 *
Vendor number: 2975 APPLIED MICRO SYSTEMS, LTD.									
01-10450-407 000000	CONTRACTED SERVICES	2022	SEPTEMBER 2022	0	0	N	09/07/22	153.30	
Remarks: Monthly service fee									
Totals for vendor 2975									153.30 *
Vendor number: 15971 APS									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	197234	83807	1	N	09/07/22	1,252.94	
Remarks: filters, freon, utility wrack									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	801, 926,980	83642	1	N	09/07/22	1,338.53	
Remarks: VALVE, FILTERS, BULBS									
Totals for vendor 15971									2,591.47 *
Vendor number: 5815 AQUA PENNSYLVANIA									
01-10366-430 000000	WATER SERVICE	2022	8/12/22	83640	1	N	09/07/22	211.94	
Remarks: WATER USAGE									
Totals for vendor 5815									211.94 *

Vendor number: 5824 AQUA PENNSYLVANIA										
01-10366-451 000000	WATER SERVICE	2022	081922	83754	1	N	09/07/22	115.20		
Remarks: WATER 2810 ANZAC AVE										
Totals for vendor 5824										115.20 *
Vendor number: 5829 AQUA PENNSYLVANIA										
01-10366-451 000000	WATER SERVICE	2022	081922	83753	1	N	09/07/22	115.20		
Remarks: WATER 2501 OLD WELSH RD										
Totals for vendor 5829										115.20 *
Vendor number: 10093 ARDMORE TIRE COMPANY										
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	82158	81424	1	N	09/07/22	1,524.00		
Remarks: REFUSE / PUBLIC WORKS TRUCK TIRES										

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	91792	83709	1	N	09/07/22	3,340.00	
Remarks: TIRES									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	92488, 76750	0	0	N	09/07/22	568.00	
Remarks: REFUSE TRUCK TIRES									
Totals for vendor 10093									5,432.00 *
Vendor number: 2581 BERARDELLI POOL SERVICE									
01-10221-452 000000	CHEMICALS	2022	1819	83758	1	N	09/07/22	632.00	
Remarks: POOL CHEMICALS									
Totals for vendor 2581									632.00 *
Vendor number: 825 BERGEY'S INC.									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	8/19,24(5)	83708	1	N	09/07/22	373.59	
Remarks: MARKER LAMPS, SEALS, SENSORS, ORINGS									
Totals for vendor 825									373.59 *
Vendor number: 7829 BIASE LANDSCAPING LLC									
01-10450-451 000000	CONTRACTED SERVICES	2022	090322	81243	3	N	09/07/22	75.42	
Remarks: CONTRACT MOWING ZONE 1~									
01-10450-451 000000	CONTRACTED SERVICES	2022	090322	81243	4	N	09/07/22	75.42	
Remarks: CONTRACT MOWING ZONE 1~									
01-10450-451 000000	CONTRACTED SERVICES	2022	090322	81243	5	N	09/07/22	2,187.14	
Remarks: CONTRACT MOWING ZONE 1~									
01-10450-451 000000	CONTRACTED SERVICES	2022	090322	81243	7	N	09/07/22	301.67	
Remarks: CONTRACT MOWING ZONE 1~									
Totals for vendor 7829									2,639.65 *
Vendor number: 707 BILLOWS ELECTRIC SUPPLY INC									
01-10260-454 000000	SMALL TOOLS AND MINOR EQUIP	2022	5886580-00	83752	1	N	09/07/22	44.05	
Remarks: REPAIRS TO ALVERTHORPE PARK ELECTRICAL PANEL									
Totals for vendor 707									44.05 *
Vendor number: 15896 BORTEK INDUSTRIES INC.									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	752695-01	83808	1	N	09/07/22	2,019.75	
Remarks: PIVOT RODS, BROOM PLATE, SHOE HOUSING									
Totals for vendor 15896									2,019.75 *
Vendor number: 15889 CHAPMAN FORD OF HORSHAM									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	92264	83650	1	N	09/07/22	359.80	
Remarks: LOCK CYLINDER REPAIR									
Totals for vendor 15889									359.80 *
Vendor number: 9551 CODY SYSTEMS									
01-10450-410 000000	CONTRACTED SERVICES	2022	10103	83727	1	N	09/07/22	4,626.00	
Remarks: CODY CobraNet									

Totals for vendor 9551										4,626.00 *
Vendor number: 16726 COMCAST										
01-10321-452 000000	TELEPHONE MONTHLY CHARGES	2022	JULY	83443	1	N	09/06/22	148.45		
Totals for vendor 16726										148.45 *
Vendor number: 15313 COMCAST CABLE										
01-10450-409 000000	CONTRACTED SERVICES	2022	SEPTEMBER 2022	0	0	N	09/06/22	54.80		
Remarks: SPC video account										
Totals for vendor 15313										54.80 *
Vendor number: 3261 CONROY'S CLEANING INC										

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10450-452 000000	CONTRACTED SERVICES	2022	090522 ACEC	82755	1	N	09/07/22	2,300.00	
Remarks: ARDSLEY COMMUNITY CENTER FLOORS									
Totals for vendor 3261									2,300.00 *
Vendor number: 4594 D.V.H.T.									
01-75000-222 000000	AETNA	2022	SEPTEMBER 2020	0	0	N	09/07/22	302,855.68	
Remarks: Health Insurance									
01-12196-487 000000	MEDICAL BENEFITS	2022	SEPTEMBER 2020	0	0	N	09/07/22	2,645.36	
Remarks: Health Insurance									
01-10209-252 000000	HEALTHCARE RATE STAB. CREDIT	2022	SEPTEMBER 2020	0	0	N	09/07/22	-36,481.40	
Remarks: Health Insurance									
Totals for vendor 4594									269,019.64 *
Vendor number: 14374 D.V.H.T.									
01-77000-222 000000	DENTAL	2022	DELTA SEPTEMBER	0	0	N	09/07/22	14,056.18	
Remarks: Delta Dental September 2022									
01-12196-487 000000	MEDICAL BENEFITS	2022	DELTA SEPTEMBER	0	0	N	09/07/22	311.98	
Remarks: Delta Dental September 2022									
01-12196-487 000000	MEDICAL BENEFITS	2022	SEPTEMBER 2022	0	0	N	09/07/22	1,063.10	
Remarks: Prescription Sept 2022									
01-76000-222 000000	PRESCRIPTION	2022	SEPTEMBER 2022	0	0	N	09/07/22	142,834.95	
Remarks: Prescription Sept 2022									
Totals for vendor 14374									158,266.21 *
Vendor number: 15848 DE LAGE LANDEN FINANCIAL									
01-12210-430 000000	OFFICE SUPPLIES	2022	SEPTEMBER 2022	0	0	N	09/07/22	39.00	
Remarks: Copier Code & BBNC									
Totals for vendor 15848									39.00 *
Vendor number: 16004 DECK'S LANDSCAPING, INC.									
01-10450-451 000000	CONTRACTED SERVICES	2022	12907 ZONE 2	81244	5	N	09/07/22	3,062.50	
Remarks: CONTRACT MOWNING ZONE 2~									
01-10450-451 000000	CONTRACTED SERVICES	2022	12907 ZONE 3	81245	5	N	09/07/22	3,062.50	
Remarks: CONTRACT MOWING ZONE 3~									
Totals for vendor 16004									6,125.00 *
Vendor number: 8023 DEHART & SON H.A.									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	19619.01	83660	1	N	09/07/22	1,428.40	
Remarks: snow plow rubber edges									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	4499	0	0	N	09/07/22	3,129.35	
Remarks: RUBBER SNOW PLOW EDGES									
Totals for vendor 8023									4,557.75 *
Vendor number: 100143 DYAN KRAJNIKOVICH									
01-10450-452 000000	CONTRACTED SERVICES	2022	24	83757	1	N	09/07/22	8,225.00	
Remarks: POTTERY AND JEWELRY CAMPS									

Totals for vendor 100143										8,225.00 *
Vendor number: 100201 Donald Vozzy Jr.										
01-10260-437 000000	SMALL TOOLS AND MINOR EQUIP	2022	8/30/22	83766	1	N	09/07/22	746.73		
Remarks: TOOL REIMBURSEMENT										
01-10260-437 000000	SMALL TOOLS AND MINOR EQUIP	2022	8/30/22	0	0	N	09/07/22	44.81		
Remarks: TOOL REIMBURSEMENT										
Totals for vendor 100201										791.54 *
Vendor number: 13114 FASTENAL COMPANY										
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	G0922	83710	1	N	09/07/22	146.55		
Remarks: STAINLESS CABLE										

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 13114									146.55 *
Vendor number: 419 FEDERAL EXPRESS									
01-11215-406 000000	POSTAGE	2022	786724168	0	0	N	09/07/22	443.37	
Remarks: Overnight mailings									
Totals for vendor 419									443.37 *
Vendor number: 1004 FISHER & SON CO., INC.									
01-10260-451 000000	SMALL TOOLS AND MINOR EQUIP	2022	244583-IN	83750	1	N	09/07/22	1,913.12	
Remarks: FERTILIZER									
Totals for vendor 1004									1,913.12 *
Vendor number: 462 FRIENDS OF BRIAR BUSH									
01-10373-452 000000	BUILDING MAINTENANCE	2022	LUMBER 08/12/22	83198	1	N	08/12/22	252.00	
Totals for vendor 462									252.00 *
Vendor number: 512 GEPPERT INC. WILLIAM A									
01-10260-451 000000	SMALL TOOLS AND MINOR EQUIP	2022	11.99	83748	1	N	09/07/22	11.99	
Remarks: REPAIRS TO ROSLYN PARK PLAYGROUND EQUIPMENT									
01-10247-452 000000	CULTURE-RECREATION SUPPLIES	2022	33945	83769	1	N	09/07/22	530.89	
Remarks: CORNHOLE SUPPLIES									
01-10373-409 000000	BUILDING MAINTENANCE	2022	34135	83763	1	N	09/07/22	29.99	
Remarks: DRILL BITS									
Totals for vendor 512									572.87 *
Vendor number: 12070 GRIN AND WEAR IT									
01-10238-410 000000	CLOTHING AND UNIFORMS	2022	AUX POLOS	83787	1	N	09/07/22	100.00	
Remarks: polos for Auxiliary police									
Totals for vendor 12070									100.00 *
Vendor number: 4507 HIGHWAY MATERIALS, INC.									
01-10260-451 000000	SMALL TOOLS AND MINOR EQUIP	2022	286156	83746	1	N	09/07/22	818.64	
Remarks: STONE FOR WALKING PATHS									
Totals for vendor 4507									818.64 *
Vendor number: 10824 INTERSTATE BATTERY SYSTEM									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	3459	83805	1	N	09/07/22	478.10	
Remarks: POLICE VEHICLE BATTERIES									
Totals for vendor 10824									478.10 *
Vendor number: 10249 ITSAVVY LLC									
01-10260-407 000000	SMALL TOOLS AND MINOR EQUIP	2022	01335235	80705	1	N	09/07/22	308.89	
Remarks: RUGGED TABLET ACCESORIES FOR FIRE									
01-10260-407 000000	SMALL TOOLS AND MINOR EQUIP	2022	01341000	81586	1	N	09/07/22	114.21	

Remarks: surface keyboard

Totals for vendor 10249 423.10 *

Vendor number: 920 KIRKLAND PRINTING, INC

01-10342-410 000000	PRINTING	2022	49371	83100	1	N	09/07/22	233.00	
Remarks: kennel reports									
01-10342-410 000000	PRINTING	2022	49467	83592	1	N	09/06/22	50.00	
Remarks: Cartwright cards									

Totals for vendor 920 283.00 *

Vendor number: 12818 LANSDALE CHRYSLER

01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	505516	83714	1	N	09/07/22	234.75	
Remarks: TAIL LIGHT ASSEMBLY									

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 12818									234.75 *
Vendor number: 16738 LEADS ONLINE									
01-10450-410 000000	CONTRACTED SERVICES	2022	400386	83728	1	N	09/07/22	7,966.00	
Remarks: Leads Online renewal									
Totals for vendor 16738									7,966.00 *
Vendor number: 5516 LOWE'S BUSINESS ACCOUNT									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	11680	83647	1	N	09/07/22	76.52	
Remarks: P.W. SUPPLIES									
Totals for vendor 5516									76.52 *
Vendor number: 14459 MAGNET FORENSICS									
01-16200-252 000000	DEFERRED REVENUE-OTHER	2022	SIN053184	0	0	N	09/07/22	4,040.00	
Remarks: Annual software for Forensics									
Totals for vendor 14459									4,040.00 *
Vendor number: 15839 MARRERO JOSEPH									
01-10460-410 000000	MEETINGS AND CONFERENCES	2022	SRO REIMB 2022	83759	1	N	09/07/22	46.68	
Remarks: SRO reimbursement									
Totals for vendor 15839									46.68 *
Vendor number: 8257 MCDONALD UNIFORMS									
01-10238-410 000000	CLOTHING AND UNIFORMS	2022	208063-02 MULT	83716	1	N	08/31/22	2,208.64	
Remarks: see attached list for invoice numbers									
01-10238-419 000000	CLOTHING AND UNIFORMS	2022	210180 MULT	83789	1	N	09/07/22	77.50	
Remarks: see attached list for invoice numbers									
01-10238-410 000000	CLOTHING AND UNIFORMS	2022	210180 MULT	83789	1	N	09/07/22	3,139.11	
Remarks: see attached list for invoice numbers									
Totals for vendor 8257									5,425.25 *
Vendor number: 928 MUNICIPAL SUPPLY CO.,INC U.S.									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	6200012	83809	1	N	09/07/22	738.35	
Remarks: BROOMS FOR SWEEPER									
Totals for vendor 928									738.35 *
Vendor number: 100151 Maxim Defense									
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	S10288	82889	1	N	09/07/22	2,250.00	
Remarks: SRO Rifles									
Totals for vendor 100151									2,250.00 *
Vendor number: 1034 NAPA AUTO PARTS									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	698437	83804	1	N	09/07/22	53.26	
Remarks: TAPE, BRAKE FLUID ,FUSES									

Totals for vendor 1034										53.26 *
Vendor number: 937 OLD DOMINION BRUSH INC.										
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	8134098	83645	1	N	09/07/22	132.00		
Remarks: DUST BOOTS FOR SWEEPER										
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	8190512	83634	1	N	09/07/22	2,759.00		
Remarks: PTO CLUTCH / PRESSURE PLATE										
Totals for vendor 937										2,891.00 *
Vendor number: 14691 Peco Energy										
01-10361-409 000000	ELECTRIC AND GAS	2022	JULY 2022	0	0	N	08/17/22	354.70		
Remarks: Summary account										

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10361-430 000000	ELECTRIC AND GAS	2022	JULY 2022	0	0	N	08/17/22	118.93	
Remarks: Summary account									
01-10361-452 000000	ELECTRIC AND GAS	2022	JULY 2022	0	0	N	08/17/22	326.59	
Remarks: Summary account									
01-10361-452 000000	ELECTRIC AND GAS	2022	JULY 2022	0	0	N	08/17/22	1,063.76	
Remarks: Summary account									
01-10361-452 000000	ELECTRIC AND GAS	2022	JULY 2022	0	0	N	08/17/22	841.20	
Remarks: Summary account									
01-10361-452 000000	ELECTRIC AND GAS	2022	JULY 2022	0	0	N	08/17/22	90.09	
Remarks: Summary account									
01-10361-451 000000	ELECTRIC AND GAS	2022	JULY 2022	0	0	N	08/17/22	179.36	
Remarks: Summary account									
Totals for vendor 14691									2,974.63 *
Vendor number: 12991 READY REFRESH									
01-10366-451 000000	WATER SERVICE	2022	02H0442567186	83755	1	N	09/07/22	54.98	
Remarks: WATER DELIVERY 900 FOX CHASE RD									
Totals for vendor 12991									54.98 *
Vendor number: 5194 RODON SIGNS INC.									
01-10260-454 000000	SMALL TOOLS AND MINOR EQUIP	2022	16615	83749	1	N	09/07/22	120.00	
Remarks: SIGNS FOR PENBRYN PARK AND ALVERTHORPE PARK									
01-10260-451 000000	SMALL TOOLS AND MINOR EQUIP	2022	16615	83749	1	N	09/07/22	225.00	
Remarks: SIGNS FOR PENBRYN PARK AND ALVERTHORPE PARK									
Totals for vendor 5194									345.00 *
Vendor number: 100195 Raftelis									
01-12310-400 000000	PROFESSIONAL SERVICES	2022	24078	0	0	N	09/07/22	3,631.25	
Remarks: Strategic Plan Meeting									
Totals for vendor 100195									3,631.25 *
Vendor number: 100198 Ronie Karkenny & Amy Cavanaugh									
01-12101-301 000000	R.E. TAXES ASSESS. SETTLEMENTS	2022	AUGUST 30, 2022	0	0	N	09/07/22	11.00	
Remarks: Assessment Appeal Refund									
Totals for vendor 100198									11.00 *
Vendor number: 1882 SHERWIN WILLIAMS CO.									
01-10373-409 000000	BUILDING MAINTENANCE	2022	0802-2	83761	1	N	09/07/22	45.72	
Remarks: PAINT FOR RESTROOM									
Totals for vendor 1882									45.72 *
Vendor number: 100199 TEVA LANDSCAPING									
01-12410-362 000000	BUILDING PERMITS	2022	08292022	0	0	N	09/07/22	1,000.00	
Remarks: ZHB REFUND									
Totals for vendor 100199									1,000.00 *

Vendor number: 15540 THE HOME DEPOT PRO									
01-10260-452 000000	SMALL TOOLS AND MINOR EQUIP	2022	692557986-2	83442	1	N	09/06/22	137.99	
01-10227-451 000000	SANITATION SUPPLIES	2022	703832519	83667	1	N	09/07/22	559.31	
Remarks: PAPER TOWELS									
Totals for vendor 15540									697.30 *
Vendor number: 15331 ULINE									
01-12210-419 000000	OFFICE SUPPLIES	2022	153468675	83802	1	N	09/07/22	368.39	
Remarks: replacement chair for Ofc. Coughlin									
Totals for vendor 15331									368.39 *
Vendor number: 8824 US SPORTS INSTITUTE, INC									

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10450-452 000000	CONTRACTED SERVICES	2022	R5804	83756	1	N	09/07/22	3,360.00	
Remarks: MULTI SPORTS CAMPS									
Totals for vendor 8824									3,360.00 *
Vendor number: 998 WITMER PUBLIC SAFETY GROUP INC									
01-10238-410 000000	CLOTHING AND UNIFORMS	2022	91072	83788	1	N	09/07/22	116.89	
Remarks: Doyle 91072									
Totals for vendor 998									116.89 *
Totals for fund 1									513,001.46 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 2 Sewer Fund									
Vendor number: 2053 ANALYTICAL LABORATORIES, INC.									
02-10450-429 000000	CONTRACTED SERVICES	2022	056022	83776	1	N	09/07/22	185.00	
Remarks: LABORATORY ANALYSIS TESTING									
02-10450-429 000000	CONTRACTED SERVICES	2022	056122	83777	1	N	09/07/22	185.00	
Remarks: LABORATORY ANALYSIS TESTING									
Totals for vendor 2053									370.00 *
Vendor number: 12868 KELLER, INC. CHARLES G.									
02-10450-429 000000	CONTRACTED SERVICES	2022	492-22	83778	1	N	09/07/22	1,400.00	
Remarks: EMERGENCY GENERATOR RENTAL AT BRYANT LANE PUMP STATION									
Totals for vendor 12868									1,400.00 *
Vendor number: 16005 M&M LAWNCARE EAST, INC.									
02-10450-429 000000	CONTRACTED SERVICES	2022	20220707	81242	5	N	09/07/22	1,928.57	
Remarks: MOWING CONTRACT ZONE 4									
Totals for vendor 16005									1,928.57 *
Vendor number: 8813 MARK 1 RESTORATION SERVICE INC									
02-10450-429 000000	CONTRACTED SERVICES	2022	3138C	83775	1	N	09/07/22	1,151.88	
Remarks: WATER CLEANUP AND DISINFECTION									
Totals for vendor 8813									1,151.88 *
Vendor number: 13043 QUENCH USA INC.									
02-10450-429 000000	CONTRACTED SERVICES	2022	INV04283422	83779	1	N	09/07/22	217.80	
Remarks: DRINKING WATER SERVICE									
Totals for vendor 13043									217.80 *
Vendor number: 1218 RUSSELL BROS INC.									
02-10450-429 000000	CONTRACTED SERVICES	2022	884143	83780	1	N	09/07/22	1,350.00	
Remarks: BACKFLOW PREVENTOR TESTING & CERTIFICATION									
Totals for vendor 1218									1,350.00 *
Vendor number: 112 VERIZON									
02-10321-429 000000	TELEPHONE MONTHLY CHARGES	2022	08-20-2022	83773	1	N	09/07/22	46.38	
Remarks: TELEPHONE SERVICE									
02-10321-429 000000	TELEPHONE MONTHLY CHARGES	2022	08-20-2022-1	83774	1	N	09/07/22	40.77	
Remarks: TELEPHONE SERVICE									
Totals for vendor 112									87.15 *
Totals for fund 2									6,505.40 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 3 Fire Services Fund									
Vendor number: 100197 ABP Investments Inc.									
03-17101-301 000000	FIRE TAXES ASSESS. SETTLEMENTS	2022	AUGUST 30, 2022	0	0	N	09/07/22	37.00	
Remarks: Assessment Appeal Refund									
Totals for vendor 100197									37.00 *
Vendor number: 100198 Ronie Karkenny & Amy Cavanaugh									
03-17101-301 000000	FIRE TAXES ASSESS. SETTLEMENTS	2022	AUGUST 30, 2022	0	0	N	09/07/22	2.00	
Remarks: Assessment Appeal Refund									
Totals for vendor 100198									2.00 *
Totals for fund 3									39.00 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 4 Grant and Special ProjectsFund									
Vendor number: 8710 CARMINATI MARY									
04-10450-410-GP2101	CONTRACTED SERVICES	2022	DRINKS	83786	1	N	09/07/22	59.38	
Remarks: reimbursement for drinks for appreciation event									
Totals for vendor 8710									59.38 *
Vendor number: 145 EXETER SUPPLY CO INC									
04-10720-408-AR2118	IMPROV. OTHER THAN BUILDINGS	2022	311342	83624	1	N	08/31/22	680.22	
Remarks: CRM 01479930, INV 01221040									
Totals for vendor 145									680.22 *
Vendor number: 11940 XYLEM WATERING SOLUTIONS, INC.									
04-10740-429-AR2134	MACHINERY	2022	3556C19646	83782	1	N	09/07/22	9,074.62	
Remarks: REPAIRS FOR FLYGT PUMP #2 AT NORTH HILLS PUMP STATION									
Totals for vendor 11940									9,074.62 *
Totals for fund 4									9,814.22 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 9 Refuse Fund									
Vendor number: 15848 DE LAGE LANDEN FINANCIAL									
09-12210-427-000000	OFFICE SUPPLIES	2022	SEPTEMBER 2022	0	0	N	09/07/22	39.00	
Remarks: Copier Code & BBNC									
Totals for vendor 15848									39.00 *
Totals for fund 9									39.00 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 12 Clearing Fund									
Vendor number: 9224 AQUA PA WASTEWATER									
12-92000-389-000000	ALL OTHER OPERATING REVENUE	2022	2ND QTR 2022	0	0	N	08/31/22	14,723.36	
Remarks: SPS 2nd qtr									
Totals for vendor 9224									14,723.36 *
Totals for fund 12									14,723.36 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 18 Capital Projects Fund									
Vendor number: 12951 CLARKE, LLC RUDOLPH									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	89853	0	0	N	09/07/22	225.00	
Remarks: PREIT - Willow Grove Mall									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	89855	0	0	N	09/07/22	517.50	
Remarks: Rydal Waters Land Development									
Totals for vendor 12951									742.50 *
Vendor number: 1100 EUREKA STONE QUARRY, INC.									
18-11001-248-ES2437	DEPOSITS PAY-AQUA/PECO PAVING	2022	495252,494752	83549	1	N	09/07/22	13,954.59	
Remarks: PAVING 7/20, 7/22									
Totals for vendor 1100									13,954.59 *
Vendor number: 5517 GLASGOW, INC.									
18-11001-248-ES2437	DEPOSITS PAY-AQUA/PECO PAVING	2022	203609	83648	1	N	09/07/22	261.86	
18-11001-248-ES2437	DEPOSITS PAY-AQUA/PECO PAVING	2022	203610	83654	1	N	09/07/22	208.04	
Remarks: POTHOLES									
Totals for vendor 5517									469.90 *
Vendor number: 10249 ITSAVVY LLC									
18-10770-409-220006	INFORMATION TECH AND EQUIPMENT	2022	01356487	81877	1	N	09/07/22	270.48	
Remarks: server ilo license									
Totals for vendor 10249									270.48 *
Vendor number: 15124 SHECHTMAN TREE CARE, LLC									
18-10660-454-220055	PROFESSIONAL FEES	2022	27722	83668	1	N	09/07/22	710.00	
Remarks: TREE REMOVAL CONWAY FIELD									
18-10660-454-220055	PROFESSIONAL FEES	2022	27733	83670	1	N	09/07/22	2,460.00	
Remarks: TREE REMOVAL CASTLEWOOD RD									
Totals for vendor 15124									3,170.00 *
Totals for fund 18									18,607.47 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 23 Debt Service Fund									
Vendor number: 15731 LEAF									
23-10384-471 000000	RENT OF MACHINERY/EQUIPMENT	2022	1367001	0	0	N	09/07/22	133.00	
Remarks: Detective Lease									
Totals for vendor 15731									133.00 *
Totals for fund 23									133.00 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 35 Highway Aid Fund									
Vendor number: 8023 DEHART & SON H.A.									
35-10260-430-000000	SMALL TOOLS AND MINOR EQUIP	2022	19619.01	83660	1	N	09/07/22	2,254.00	
Remarks: snow plow rubber edges									
Totals for vendor 8023									2,254.00 *
Vendor number: 8278 MSC INDUSTRIAL SUPPLY COMPANY									
35-10245-433-000000	HIGHWAY SUPPLIES	2022	24408266	83799	1	N	09/07/22	40.32	
Totals for vendor 8278									40.32 *
Vendor number: 928 MUNICIPAL SUPPLY CO.,INC U.S.									
35-10245-433-000000	HIGHWAY SUPPLIES	2022	6200118	83798	1	N	09/07/22	570.00	
Totals for vendor 928									570.00 *
Totals for fund 35									2,864.32 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 70 OPEB Fund									
Vendor number: 4594 D.V.H.T.									
70-12196-488-000000	MEDICAL BENEFITS	2022	SEPTEMBER 2020	0	0	N	09/07/22	35,050.10	
Remarks: Health Insurance									
70-12196-488-000000	MEDICAL BENEFITS	2022	SEPTEMBER 2020	0	0	N	09/07/22	23,226.69	
Remarks: Health Insurance									
Totals for vendor 4594									58,276.79 *
Vendor number: 14374 D.V.H.T.									
70-12196-488-000000	MEDICAL BENEFITS	2022	SEPTEMBER 2022	0	0	N	09/07/22	14,281.41	
Remarks: Prescription Sept 2022									
Totals for vendor 14374									14,281.41 *
Vendor number: 13301 PFM ASSET MANAGEMENT LLC									
70-10450-488-000000	CONTRACTED SERVICES	2022	13379662	0	0	N	09/07/22	190.23	
Remarks: Advisory Services									
Totals for vendor 13301									190.23 *
Totals for fund 70									72,748.43 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 75 Worker's Compensation Fund									
Vendor number: 6429 LYNCH KENNETH									
75-10460-484-000000	MEETINGS AND CONFERENCES	2022	REIMBURSEMENT	0	0	N	09/07/22	669.57	
Remarks: Reimburse for Twp Picnic									
Totals for vendor 6429									669.57 *
Vendor number: 15038 REBELO JR MARK									
75-10460-484-000000	MEETINGS AND CONFERENCES	2022	REIMBURSEMENT	0	0	N	09/07/22	1,094.42	
Remarks: Reimbursement for Twp Picnic									
Totals for vendor 15038									1,094.42 *
Totals for fund 75									1,763.99 **
Grand totals									640,239.65 ***

* * * End of Report * * *

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
Checks for Cash Account: 99-10090-000 000000						
76389	15802	BILLOWS ELECTRIC SUPPLY	1,708.20	09/12/22		
76390	7484	EAGLE TRUCK EQUIPMENT	144,900.00	09/12/22		
76391	15662	FERGUSON PLUMBING COMP.	95.44	09/12/22		
76392	512	GEPPERT INC. WILLIAM A	2,691.01	09/12/22		
76393	243	GROVE SUPPLY INC.	5,412.44	09/12/22		
76394	851	HOME DEPOT CREDIT SERVICES	1,265.46	09/12/22		
76395	15272	L & W SUPPLY CORPORATION	402.56	09/12/22		
76396	5516	LOWE'S BUSINESS ACCOUNT	379.37	09/12/22		
Check totals:			156,854.48			
ACH totals:						
EFTPS totals:						
Wire transfer totals:						
Payment Manager totals:						
GRAND TOTALS			156,854.48			
Check totals:			156,854.48			
ACH totals:						
EFTPS totals:						
Wire transfer totals:						
Payment Manager totals:						
GRAND TOTALS			156,854.48			

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 4 Grant and Special ProjectsFund									
Vendor number: 7484 EAGLE TRUCK EQUIPMENT									
04-10740-427-AR2140	MACHINERY	2022	22405	0	0	N	09/12/22	144,900.00	
Remarks: Rear loading trash truck for refuse									
Totals for vendor 7484									144,900.00 *
Totals for fund 4									144,900.00 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 18 Capital Projects Fund									
Vendor number: 15802 BILLOWS ELECTRIC SUPPLY									
18-10730-456-220043	BUILDINGS CAPITAL	2022	SEE LIST	0	0	N	09/12/22	839.35	
Remarks: Library capital project									
18-10730-456-220042	BUILDINGS CAPITAL	2022	SEE LIST	0	0	N	09/12/22	868.85	
Remarks: Library capital project									
Totals for vendor 15802									1,708.20 *
Vendor number: 15662 FERGUSON PLUMBING COMP.									
18-10730-456-220042	BUILDINGS CAPITAL	2022	SEE ATTACHED	0	0	N	09/12/22	95.44	
Remarks: Library Bathroom									
Totals for vendor 15662									95.44 *
Vendor number: 512 GEPPERT INC. WILLIAM A									
18-10730-456-220043	BUILDINGS CAPITAL	2022	SEE LIST	0	0	N	09/12/22	2,622.14	
Remarks: Library Capital Project									
18-10730-456-220042	BUILDINGS CAPITAL	2022	SEE LIST	0	0	N	09/12/22	68.87	
Remarks: Library Capital Project									
Totals for vendor 512									2,691.01 *
Vendor number: 243 GROVE SUPPLY INC.									
18-10730-456-220042	BUILDINGS CAPITAL	2022	SEE LIST	0	0	N	09/12/22	2,936.68	
Remarks: Library Capital Project									
18-10730-456-220043	BUILDINGS CAPITAL	2022	SEE LIST	0	0	N	09/12/22	2,475.76	
Remarks: Library Capital Project									
Totals for vendor 243									5,412.44 *
Vendor number: 851 HOME DEPOT CREDIT SERVICES									
18-10730-456-220042	BUILDINGS CAPITAL	2022	4040783 7045032	0	0	N	09/12/22	1,265.46	
Remarks: Library Bathroom and office									
Totals for vendor 851									1,265.46 *
Vendor number: 15272 L & W SUPPLY CORPORATION									
18-10730-456-220043	BUILDINGS CAPITAL	2022	1003293707-001	0	0	N	09/12/22	275.00	
Remarks: Library Circulation desk									
18-10730-456-220042	BUILDINGS CAPITAL	2022	1003293707-001	0	0	N	09/12/22	127.56	
Remarks: Library Circulation desk									
Totals for vendor 15272									402.56 *
Vendor number: 5516 LOWE'S BUSINESS ACCOUNT									
18-10730-456-220043	BUILDINGS CAPITAL	2022	1156	0	0	N	09/12/22	379.37	
Remarks: Library circulation									
Totals for vendor 5516									379.37 *

Totals for 18	11,954.48
Grand totals	156,854.48 ***

*** End of Report ***

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
Checks for Cash Account: 99-10090-000 000000						
76397	100202	4 EverBricks	64.00	09/15/22		
76398	100073	ANALYTICAL LABORATORIES, INC	850.00	09/15/22		
76399	15896	BORTEK INDUSTRIES INC.	117.52	09/15/22		ACH
76400	100209	DEANA MARSHALL	10.00	09/15/22		
76401	462	FRIENDS OF BRIAR BUSH	480.33	09/15/22		ACH
76402	12554	Geoventures Programming & Serv	3,750.00	09/15/22		
76403	100156	Heffernan Insurance Brokers	3,660.00	09/15/22		ACH
76404	100213	JACKIE O'LEARY	10.00	09/15/22		
76405	100204	KAITLIN ANTCZAK	10.00	09/15/22		
76406	100207	KELSEY HASTON	10.00	09/15/22		
76407	100211	KIM MCMAKIN	10.00	09/15/22		
76408	100150	Leaf	119.00	09/15/22		
76409	100206	LISA GARRA	10.00	09/15/22		
76410	100210	NICOLE MCLAUGHLIN	20.00	09/15/22		
76411	100214	NICOLE WELSH	10.00	09/15/22		
76412	100019	PRINCETON HYDRO	1,549.25	09/15/22		
76413	100212	ROSEMARY MILLER	20.00	09/15/22		
76414	100205	SAL BARILA	20.00	09/15/22		
76415	100208	WAYNE LEWIS	10.00	09/15/22		
76416	907	21ST CENTURY MEDIA	564.62	09/15/22		
76417	4	ABINGTON AUTO CARE	55.00	09/15/22		ACH
76418	2961	ACKER'S HARDWARE, INC.	100.94	09/15/22		
76419	8855	AIRGAS USA LLC	40.58	09/15/22		ACH
76420	12572	AIRGAS USA, LLC	462.89	09/15/22		ACH
76421	7574	ALL INDUSTRIAL-SAFETY PRODUCTS	2,845.51	09/15/22		
76422	15971	APS	1,468.19	09/15/22		
76423	16417	AQUA	79.29	09/15/22		
76424	10093	ARDMORE TIRE COMPANY	206.64	09/15/22		
76425	667	ARDSLEY AUTO TAGS	145.00	09/15/22		
76426	8186	ASPHALT CARE EQUIP/SUPPLY INC	9,840.00	09/15/22		
76427	8369	ATLANTIC TACTICAL	655.20	09/15/22		ACH
76428	14931	AUTOMATIC FIRE ALARM ASSOC	25.00	09/15/22		
76429	707	BILLOWS ELECTRIC SUPPLY INC	2,389.59	09/15/22		
76430	8346	BLUMENTHAL JAY W	11,421.74	09/15/22		ACH
76431	12954	BUCKMAN'S INC.	2,410.00	09/15/22		
76432	10610	BURGER KING #3284	268.25	09/15/22		
76433	14688	CARDMEMBER SERVICE	1,979.64	09/15/22		
76434	6866	CENTER FOR PUBLIC SAFETY	5,400.00	09/15/22		
76435	15889	CHAPMAN FORD OF HORSHAM	1,163.50	09/15/22		
76436	12432	CINTAS	301.12	09/15/22		
76437	13773	COLLIFLOWER, INC.	738.91	09/15/22		
76438	16718	COLONIAL OIL INDUSTRIES, INC.	13,753.25	09/15/22		
76439	15235	COMCAST	115.35	09/15/22		
76440	16909	COMCAST	21.64	09/15/22		
76441	6524	COMCAST BUSINESS	68.08	09/15/22		

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
76442	10783	COMCAST CABLE	108.35	09/15/22		
76443	1083	COMMONWEALTH OF PENNSYLVANIA	50.00	09/15/22		
76444	1311	COMPUTYME INC	1,350.00	09/15/22		
76445	3261	CONROY'S CLEANING INC	1,640.00	09/15/22		ACH
76446	7861	CONSHOHOCKEN STEEL PRODUCTS	1,820.00	09/15/22		
76447	9216	CONTRACTORS HAULING SERVICE	321.86	09/15/22		
76448	6833	COOPER LIGHTING	5,871.60	09/15/22		
76449	290	DAVIDHEISER'S INC.	1,427.80	09/15/22		
76450	9177	DEX MEDIA	22.81	09/15/22		
76451	2074	DSI MEDICAL SERVICES, INC.	376.16	09/15/22		
76452	9146	EDGE HILL FIRE COMPANY	3,859.31	09/15/22		ACH
76453	1064	EVERLASTING FENCE CO.	3,363.67	09/15/22		
76454	13608	FISHER ACE HARDWARE	64.93	09/15/22		
76455	15667	FITTIPALDI PASQUALE	1,000.00	09/15/22		
76456	530	FOLEY CAT	6.21	09/15/22		
76457	512	GEPPERT INC. WILLIAM A	1,559.07	09/15/22		
76458	516	GERHARD'S INC	599.00	09/15/22		
76459	5517	GLASGOW, INC.	1,556.13	09/15/22		ACH
76460	576	GRAN TURK EQUIPMENT CO INC	28.95	09/15/22		ACH
76461	8079	GRECO CUSTOM CARPENTRY INC	690.00	09/15/22		ACH
76462	5965	GREENVIEW LANDSCAPING	300.00	09/15/22		
76463	3270	GROFF TRACTOR & EQUIP, INC.	713.65	09/15/22		
76464	602	HAJOCA CORP.	502.30	09/15/22		ACH
76465	11701	I/O SOLUTIONS	5,337.00	09/15/22		
76466	10249	ITSAVVY LLC	1,750.27	09/15/22		ACH
76467	1190	J.D.M. MATERIALS CO.	570.00	09/15/22		
76468	1320	JAMAR TECHNOLOGIES, INC.	4,030.00	09/15/22		
76469	3119	JOHN KENNEDY FORD JENKINTOWN	360.21	09/15/22		
76470	16480	LEAF	278.00	09/15/22		
76471	16575	LEAF	136.00	09/15/22		
76472	16684	LEAF	228.00	09/15/22		
76473	16830	LINDLEY TOWING	305.00	09/15/22		
76474	5516	LOWE'S BUSINESS ACCOUNT	64.89	09/15/22		
76475	9766	MAILLIE	2,042.72	09/15/22		
76476	4209	MALDEN W.G.	7,647.00	09/15/22		
76477	9136	MASON CO., INC. W.B.	172.80	09/15/22		
76478	9144	MC KINLEY FIRE COMPANY	2,594.69	09/15/22		ACH
76479	8257	MCDONALD UNIFORMS	2,903.85	09/15/22		
76480	14392	MCKINLEY FIRE COMPANY	10,024.00	09/15/22		ACH
76481	15709	MCKINLEY FIRE COMPANY	8,950.00	09/15/22		
76482	12454	MICROSOFT	2,547.88	09/15/22		
76483	15407	MINUTEMAN PRESS OF GLENSIDE	548.08	09/15/22		
76484	8736	NFPA	175.00	09/15/22		
76485	265	PA DEPT OF LABOR & INDUSTRY-E	233.47	09/15/22		
76486	941	PA RECREATION & PARK SOCIETY	4,315.00	09/15/22		
76487	15191	PA TURNPIKE TOLL BY PLATE	138.20	09/15/22		

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
76488	14925	Peco Payment processing	11.03	09/15/22		
76489	1889	PECO ENERGY	1,411.41	09/15/22		
76490	1890	PECO ENERGY	32,017.30	09/15/22		
76491	1061	PENNA ONE CALL SYSTEMS, INC.	416.46	09/15/22		ACH
76492	10464	PETSMART	91.05	09/15/22		
76493	15258	PIONEER AUTO BODY & REPAIR	2,057.20	09/15/22		
76494	16899	PORT A BOWL RESTROOM CO.	138.04	09/15/22		
76495	4032	PREMIUM CLEANING SERVICE CORP	675.00	09/15/22		ACH
76496	9600	PROSHRED SECURITY	134.50	09/15/22		
76497	12990	READY REFRESH	6.39	09/15/22		
76498	12994	READY REFRESH	519.16	09/15/22		
76499	12995	READY REFRESH	111.95	09/15/22		
76500	1784	ROMAN PHILLIP A.	2,680.11	09/15/22		ACH
76501	9147	ROSLYN FIRE COMPANY	1,742.34	09/15/22		ACH
76502	14418	ROSLYN VALLEY BUS. ASS'N.	2,341.00	09/15/22		
76503	701	SECURITY ON LINE SYSTEMS INC	3,144.00	09/15/22		
76504	7191	SHADES OF GREEN, INC.	4,000.00	09/15/22		ACH
76505	4607	SHAPIRO FIRE PROTECTION CO	172.64	09/15/22		
76506	15124	SHECHTMAN TREE CARE, LLC	2,560.00	09/15/22		
76507	1882	SHERWIN WILLIAMS CO.	87.83	09/15/22		
76508	8628	STAPLES	775.67	09/15/22		
76509	12730	STATE WORKER'S INS. FUND	3,364.00	09/15/22		
76510	8592	TOBAY PRINTING CO., INC.	1,990.00	09/15/22		
76511	13060	TRADS	83.00	09/15/22		
76512	10627	TRAFFIC PLANNING & DESIGN INC	3,042.50	09/15/22		
76513	13807	U.S. GREEN BUILDING COUNCIL	1,500.00	09/15/22		
76514	1028	VAN'S LOCK SHOP, INC	17.60	09/15/22		ACH
76515	12843	VERIZON WIRELESS	1,120.53	09/15/22		
76516	7500	VILE SUSAN ELIZABETH	742.50	09/15/22		ACH
76517	4542	WEBER CO., INC C.L.	183.80	09/15/22		
76518	11732	WITMER PUBLIC SAFETY GROUP INC	55.00	09/15/22		ACH

Check totals:	167,157.98
ACH totals:	49,867.92
EFTPS totals:	
Wire transfer totals:	
Payment Manager totals:	
GRAND TOTALS	217,025.90

Check totals:	167,157.98
ACH totals:	49,867.92
EFTPS totals:	
Wire transfer totals:	
Payment Manager totals:	
GRAND TOTALS	217,025.90

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 1 General Fund									
Vendor number: 907 21ST CENTURY MEDIA									
01-11341-401 000000	ADVERTISING	2022	2362600	0	0	N	09/14/22	564.62	
Remarks: Legal ad									
Totals for vendor 907									564.62 *
Vendor number: 4 ABINGTON AUTO CARE									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	61173 29-22	83821	1	N	09/14/22	55.00	
Remarks: towing charges									
Totals for vendor 4									55.00 *
Vendor number: 2961 ACKER'S HARDWARE, INC.									
01-10260-451 000000	SMALL TOOLS AND MINOR EQUIP	2022	2208-170228	83867	1	N	09/14/22	17.29	
Remarks: ELK ST TOT LOT CLEAN UP/REPAIRS TO ALV MANOR									
01-10373-451 000000	BUILDING MAINTENANCE	2022	2208-170228	83867	2	N	09/14/22	16.98	
Remarks: ELK ST TOT LOT CLEAN UP/REPAIRS TO ALV MANOR									
01-10247-452 000000	CULTURE-RECREATION SUPPLIES	2022	2208-170989	83868	1	N	09/14/22	66.67	
Remarks: CORNHOLE PROGRAM									
Totals for vendor 2961									100.94 *
Vendor number: 8855 AIRGAS USA LLC									
01-10260-451 000000	SMALL TOOLS AND MINOR EQUIP	2022	9990797171	80491	6	N	09/14/22	40.58	
Remarks: ACETYLENE/OXYGEN CYCLINDERS~									
Totals for vendor 8855									40.58 *
Vendor number: 12572 AIRGAS USA, LLC									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	2841	83823	1	N	09/14/22	251.35	
Remarks: august cylinder rental									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	9121527118	0	0	N	09/14/22	27.69	
Remarks: cylinder rental									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	9985590397	0	0	N	09/14/22	183.85	
Remarks: Cylinder rental									
Totals for vendor 12572									462.89 *
Vendor number: 100073 ANALYTICAL LABORATORIES, INC									
01-10450-452 000000	CONTRACTED SERVICES	2022	1325722	83918	2	N	09/14/22	300.00	
Remarks: WATER TESTING PENBRYN POOL									
01-10450-452 000000	CONTRACTED SERVICES	2022	1329822	83918	1	N	09/14/22	375.00	
Remarks: WATER TESTING CRESTMONT POOL									
01-10450-454 000000	CONTRACTED SERVICES	2022	1329922	83917	1	N	09/14/22	175.00	
Remarks: WATER TESTING ALVERTHORPE POOL									
Totals for vendor 100073									850.00 *
Vendor number: 15971 APS									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	286,470,486,484	83908	1	N	09/14/22	460.94	

Remarks: 460.94

01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	46,18,21,03	83813	1	N	09/14/22	1,007.25	

Remarks: relays, brackets, air dryer, bench grinder

Totals for vendor 15971 — 1,468.19 *

Vendor number: 10093 ARDMORE TIRE COMPANY

01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	92259	83844	1	N	09/14/22	206.64	

Remarks: tires for 29-68

Totals for vendor 10093 — 206.64 *

Vendor number: 667 ARDSLEY AUTO TAGS

01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	8/31/22	83852	1	N	09/14/22	145.00	

Remarks: tag & title work for August

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 667									145.00 *
Vendor number: 8369 ATLANTIC TACTICAL									
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	SI-80781614	83674	1	N	09/14/22	655.20	
Remarks: riot gear mask filters									
Totals for vendor 8369									655.20 *
Vendor number: 707 BILLOWS ELECTRIC SUPPLY INC									
01-10740-434 000000	MACHINERY	2022	579904-01	82953	1	N	09/14/22	839.58	
Remarks: wall anchor kits									
01-10740-434 000000	MACHINERY	2022	5895405	83900	1	N	09/14/22	1,536.00	
01-10260-454 000000	SMALL TOOLS AND MINOR EQUIP	2022	5898816-00	83916	1	N	09/14/22	14.01	
Remarks: REPAIRS TO ALVERTHORPE PARK									
Totals for vendor 707									2,389.59 *
Vendor number: 8346 BLUMENTHAL JAY W									
01-10450-403 000000	CONTRACTED SERVICES	2022	AUGUST 2022	0	0	N	09/14/22	11,421.74	
Remarks: August 2022 Commission									
Totals for vendor 8346									11,421.74 *
Vendor number: 15896 BORTEK INDUSTRIES INC.									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	761202-	83819	1	N	09/14/22	117.52	
Remarks: air filter for #154									
Totals for vendor 15896									117.52 *
Vendor number: 12954 BUCKMAN'S INC.									
01-10221-452 000000	CHEMICALS	2022	787368	83816	1	N	09/14/22	723.00	
Remarks: POOL CHEMICALS									
01-10221-452 000000	CHEMICALS	2022	796563	83879	1	N	09/14/22	723.00	
Remarks: POOL CHEMICALS									
01-10221-452 000000	CHEMICALS	2022	796564	83880	1	N	09/14/22	964.00	
Remarks: POOL CHEMICALS									
Totals for vendor 12954									2,410.00 *
Vendor number: 10610 BURGER KING #3284									
01-10229-410 000000	PRISONER EXPENSE	2022	AUGUST 2022	83846	1	N	09/14/22	268.25	
Remarks: prisoner meals for August 2022									
Totals for vendor 10610									268.25 *
Vendor number: 14688 CARDMEMBER SERVICE									
01-10460-410 000000	MEETINGS AND CONFERENCES	2022	SEPTEMBER 2022	0	0	N	09/14/22	-140.61	
Remarks: Misc charges on Twp Credit Card									
01-10450-451 000000	CONTRACTED SERVICES	2022	SEPTEMBER 2022	0	0	N	09/14/22	-17.40	
Remarks: Misc charges on Twp Credit Card									
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	SEPTEMBER 2022	0	0	N	09/14/22	43.09	

Remarks: Misc charges on Twp Credit Card								
01-10373-409 000000	BUILDING MAINTENANCE	2022	SEPTEMBER 2022	0	0	N	09/14/22	142.55
Remarks: Misc charges on Twp Credit Card								
01-10241-410 000000	GENERAL GOVERNMENT SUPPLIES	2022	SEPTEMBER 2022	0	0	N	09/14/22	24.00
Remarks: Misc charges on Twp Credit Card								
01-10450-410 000000	CONTRACTED SERVICES	2022	SEPTEMBER 2022	0	0	N	09/14/22	10.00
Remarks: Misc charges on Twp Credit Card								
01-10247-452 000000	CULTURE-RECREATION SUPPLIES	2022	SEPTEMBER 2022	0	0	N	09/14/22	370.00
Remarks: Misc charges on Twp Credit Card								
01-10241-410 000000	GENERAL GOVERNMENT SUPPLIES	2022	SEPTEMBER 2022	0	0	N	09/14/22	8.20
Remarks: Misc charges on Twp Credit Card								
01-10450-407 000000	CONTRACTED SERVICES	2022	SEPTEMBER 2022	0	0	N	09/14/22	302.02
Remarks: Misc charges on Twp Credit Card								
01-11420-400 000000	DUES, SUBSCR. AND MEMBERSHIPS	2022	SEPTEMBER 2022	0	0	N	09/14/22	240.90
Remarks: Misc charges on Twp Credit Card								

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10450-410 000000	CONTRACTED SERVICES	2022	SEPTEMBER 2022	0	0	N	09/14/22	554.92	
Remarks: Misc charges on Twp Credit Card									
Totals for vendor 14688									1,537.67 *
Vendor number: 6866 CENTER FOR PUBLIC SAFETY									
01-12003-279 000000	RESERVE FIRE DEPT PROJECTS	2022	INV05-17427	83897	1	N	09/14/22	5,400.00	
Remarks: Approved Purchase Justification. Strategic Plan Project									
Totals for vendor 6866									5,400.00 *
Vendor number: 15889 CHAPMAN FORD OF HORSHAM									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	922811	83843	1	N	09/14/22	1,163.50	
Remarks: PTU REPLACEMENT FOR #29-26									
Totals for vendor 15889									1,163.50 *
Vendor number: 12432 CINTAS									
01-10238-437 000000	CLOTHING AND UNIFORMS	2022	8/1 -8/30	83827	1	N	09/14/22	301.12	
Remarks: vm uniforms									
Totals for vendor 12432									301.12 *
Vendor number: 13773 COLLIFLOWER, INC.									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	65, 29, 38,	83822	1	N	09/14/22	738.91	
Remarks: HYDRAULIC FITTINGS									
Totals for vendor 13773									738.91 *
Vendor number: 16718 COLONIAL OIL INDUSTRIES, INC.									
01-10231-437 000000	VEHICLE FUEL-GASOLINE	2022	8/31/22	83851	1	N	09/14/22	13,753.25	
Remarks: 3500 GALLONS OF DIESEL FUEL 8/31									
Totals for vendor 16718									13,753.25 *
Vendor number: 15235 COMCAST									
01-10450-451 000000	CONTRACTED SERVICES	2022	090122	82754	3	N	09/14/22	115.35	
Remarks: CABLE SERVICE 2595 RUBICAM AVE BLDG 2									
Totals for vendor 15235									115.35 *
Vendor number: 16909 COMCAST									
01-10450-410 000000	CONTRACTED SERVICES	2022	SEPTEMBER 2022	0	0	N	09/14/22	21.64	
Remarks: Business voice Twp									
Totals for vendor 16909									21.64 *
Vendor number: 6524 COMCAST BUSINESS									
01-10321-451 000000	TELEPHONE MONTHLY CHARGES	2022	1540359	80542	33	N	09/14/22	68.08	
Remarks: PARKS DEPT. PHONES~									
Totals for vendor 6524									68.08 *

Vendor number: 10783 COMCAST CABLE										
01-10450-430 000000	CONTRACTED SERVICES	2022	SEPTEMBER 2022	0	0	N	09/14/22	108.35		
Remarks: Twp Bldg internet										
Totals for vendor 10783										108.35 *
Vendor number: 1311 COMPUTYME INC										
01-10450-407 000000	CONTRACTED SERVICES	2022	AUGUST 2022	0	0	N	09/14/22	1,350.00		
Remarks: Monthly service										
Totals for vendor 1311										1,350.00 *
Vendor number: 3261 CONROY'S CLEANING INC										

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10373-410 000000	BUILDING MAINTENANCE	2022	AUGUST 2022	83840	1	N	09/14/22	690.00	
Remarks: cleaning for August 2022									
01-10450-451 000000	CONTRACTED SERVICES	2022	AUGUST 2022 CR	83874	1	N	09/14/22	450.00	
Remarks: CRESTMONT CLUBHOUSE CLEANING AUGUST									
Totals for vendor 3261									1,140.00 *
Vendor number: 6833 COOPER LIGHTING									
01-10374-434 000000	MACHINERY AND EQUIPMENT MAINT.	2022	944389606	82665	1	N	09/14/22	5,871.60	
Remarks: Street Works Post Top Fixtures									
Totals for vendor 6833									5,871.60 *
Vendor number: 290 DAVIDHEISER'S INC.									
01-10374-419 000000	MACHINERY AND EQUIPMENT MAINT.	2022	26007	83765	1	N	09/14/22	909.80	
Remarks: ten new stopwatches									
01-10374-419 000000	MACHINERY AND EQUIPMENT MAINT.	2022	26222	83882	1	N	09/14/22	518.00	
Remarks: 24 stopwatches, 8 batteries									
Totals for vendor 290									1,427.80 *
Vendor number: 100209 DEANA MARSHALL									
01-23200-367 000000	RECREATION PROGRAM FEES	2022	2001217.004	0	0	N	09/14/22	10.00	
Remarks: PROGRAM REFUND									
Totals for vendor 100209									10.00 *
Vendor number: 9177 DEX MEDIA									
01-10321-406 000000	TELEPHONE MONTHLY CHARGES	2022	AUGUST 2022 1	0	0	N	09/14/22	22.81	
Remarks: Monthly service									
Totals for vendor 9177									22.81 *
Vendor number: 2074 DSI MEDICAL SERVICES, INC.									
01-12196-487 000000	MEDICAL BENEFITS	2022	13INV108972	0	0	N	09/14/22	284.72	
Remarks: Testing									
Totals for vendor 2074									284.72 *
Vendor number: 1064 EVERLASTING FENCE CO.									
01-10260-454 000000	SMALL TOOLS AND MINOR EQUIP	2022	CS2075	83340	1	N	09/14/22	1,936.37	
Remarks: FENCE FOR ALVERTHORPE PARK									
Totals for vendor 1064									1,936.37 *
Vendor number: 15667 FITTIPALDI PASQUALE									
01-10260-437 000000	SMALL TOOLS AND MINOR EQUIP	2022	9/6/22	83817	1	N	09/14/22	1,000.00	
Remarks: TOOL REIMBURSEMENT									
Totals for vendor 15667									1,000.00 *
Vendor number: 530 FOLEY CAT									

	01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	0253		83828	1	N	09/14/22	6.21	
Remarks:	delivery for paver parts										
	Totals for vendor 530										6.21 *
	Vendor number: 462 FRIENDS OF BRIAR BUSH										
	01-10260-452 000000	SMALL TOOLS AND MINOR EQUIP	2022	ANIMALS 9/14/22		83446	1	N	09/14/22	196.54	
	01-10260-452 000000	SMALL TOOLS AND MINOR EQUIP	2022	BIRDSEED 9/6/22		83182	1	N	09/06/22	283.79	
	Totals for vendor 462										480.33 *
	Vendor number: 512 GEPPERT INC. WILLIAM A										
	01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	35897		83814	1	N	09/14/22	32.97	
Remarks:	propane										

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	35905	83800	1	N	09/14/22	86.91	
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	37535	83909	1	N	09/14/22	257.70	
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	37760	83907	1	N	09/14/22	308.71	
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	37870	83910	1	N	09/14/22	69.98	
Remarks: 3"X9" PGP EXT SCR STAR DR TAN 5#									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	38170	83905	1	N	09/14/22	527.85	
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	38385	83925	1	N	09/14/22	134.43	
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	38550	83926	1	N	09/14/22	64.90	
Totals for vendor 512									1,483.45 *
Vendor number: 516 GERHARD'S INC									
01-10373-409 000000	BUILDING MAINTENANCE	2022	00289714	83818	1	N	09/14/22	599.00	
Remarks: A/C UNIT FOR POLICE									
Totals for vendor 516									599.00 *
Vendor number: 576 GRAN TURK EQUIPMENT CO INC									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	1148853-01	83550	1	N	09/14/22	28.95	
Remarks: MULTIPLEX ACTUATOR									
Totals for vendor 576									28.95 *
Vendor number: 8079 GRECO CUSTOM CARPENTRY INC									
01-10450-413 000000	CONTRACTED SERVICES	2022	88	83829	1	N	09/14/22	75.00	
Remarks: 117 ZANE AVE-8/15/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	89	83829	2	N	09/14/22	55.00	
Remarks: 2806 TURNER AVE-8/15/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	90	83829	3	N	09/14/22	40.00	
Remarks: 1644 FAIRVIEW AVE-8/15/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	91	83829	4	N	09/14/22	55.00	
Remarks: 1619 GROVE AVE-8/15/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	92	83829	5	N	09/14/22	75.00	
Remarks: 1972 COOLIDGE AVE-8/15/22 FIRST CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	93	83829	6	N	09/14/22	55.00	
Remarks: 536 GIBSON AVE-8/15/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	94	83829	7	N	09/14/22	75.00	
Remarks: 1851 MEADOWBROOK RD-8/22/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	95	83829	8	N	09/14/22	55.00	
Remarks: 2921 SENAK RD-8/22/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	96	83829	9	N	09/14/22	40.00	
Remarks: 1540 ARLINE AVE-8/22/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	97	83829	10	N	09/14/22	55.00	
Remarks: 2822 LINCOLN AVE-8/22/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	98	83829	11	N	09/14/22	55.00	
Remarks: 2911 ANZAC AVE-8/22/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	99	83829	12	N	09/14/22	55.00	
Remarks: 1677 FAIRVIEW AVE-8/22/22 FIRST CUT									
Totals for vendor 8079									690.00 *
Vendor number: 3270 GROFF TRACTOR & EQUIP, INC.									

01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	3658-2	0	0	N	09/14/22	713.65		

Remarks: HYDRAULIC TUBE

Totals for vendor 3270 — 713.65 *

Vendor number: 12554 Geoventures Programming & Serv

01-10450-452 000000	CONTRACTED SERVICES	2022	081922	83876	1	N	09/14/22	3,750.00		

Remarks: WILD ABOUT ART CAMP

Totals for vendor 12554 — 3,750.00 *

Vendor number: 602 HAJOCA CORP.

01-10260-452 000000	SMALL TOOLS AND MINOR EQUIP	2022	S029870375.001	83877	1	N	09/14/22	502.30		

Remarks: REPAIRS TO PENBRYN POOL FILTER SYSTEM

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 602									502.30 *
Vendor number: 100213 JACKIE O'LEARY									
01-23200-367 000000	RECREATION PROGRAM FEES	2022	2001221.004	0	0	N	09/14/22	10.00	
Remarks: PROGRAM REFUND									
Totals for vendor 100213									10.00 *
Vendor number: 1320 JAMAR TECHNOLOGIES, INC.									
01-10260-419 000000	SMALL TOOLS AND MINOR EQUIP	2022	58128	83760	1	N	09/14/22	130.00	
Remarks: mount for recorder									
Totals for vendor 1320									130.00 *
Vendor number: 3119 JOHN KENNEDY FORD JENKINTOWN									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	409,310,410323,	83832	1	N	09/14/22	360.21	
Remarks: transmission fluid									
Totals for vendor 3119									360.21 *
Vendor number: 100204 KAITLIN ANTCZAK									
01-23200-367 000000	RECREATION PROGRAM FEES	2022	2001212.004	0	0	N	09/14/22	10.00	
Remarks: PROGRAM REFUND									
Totals for vendor 100204									10.00 *
Vendor number: 100207 KELSEY HASTON									
01-23200-367 000000	RECREATION PROGRAM FEES	2022	2001215.004	0	0	N	09/14/22	10.00	
Remarks: PROGRAM REFUND									
Totals for vendor 100207									10.00 *
Vendor number: 100211 KIM MCMAKIN									
01-23200-367 000000	RECREATION PROGRAM FEES	2022	2001219.004	0	0	N	09/14/22	10.00	
Remarks: PROGRAM REFUND									
Totals for vendor 100211									10.00 *
Vendor number: 16830 LINDLEY TOWING									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	2303	83830	1	N	09/14/22	305.00	
Remarks: towing charges for#523									
Totals for vendor 16830									305.00 *
Vendor number: 100206 LISA GARRA									
01-23200-367 000000	RECREATION PROGRAM FEES	2022	2001214.004	0	0	N	09/14/22	10.00	
Remarks: PROGRAM REFUND									
Totals for vendor 100206									10.00 *
Vendor number: 9136 MASON CO., INC. W.B.									

01-10247-452 000000	CULTURE-RECREATION SUPPLIES	2022	231945850	83444	1	N	09/06/22	37.67	
01-10247-452 000000	CULTURE-RECREATION SUPPLIES	2022	232049570	83444	1	N	09/13/22	57.96	
Totals for vendor 9136									95.63 *
Vendor number: 8257 MCDONALD UNIFORMS									
01-10238-410 000000	CLOTHING AND UNIFORMS	2022	209471 MULT	83911	1	N	09/14/22	995.45	
Remarks: see attached list for invoice numbers									
01-10238-410 000000	CLOTHING AND UNIFORMS	2022	210467 MULT	83841	1	N	09/14/22	1,273.40	
Remarks: see attached list for invoice numbers									
Totals for vendor 8257									2,268.85 *
Vendor number: 12454 MICROSOFT									

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10450-407 000000	CONTRACTED SERVICES	2022	E0800K3FT0	83835	1	N	09/08/22	2,547.88	
Remarks: office365 September invoices									
Totals for vendor 12454									2,547.88 *
Vendor number: 15407 MINUTEMAN PRESS OF GLENSIDE									
01-10342-452 000000	PRINTING	2022	13190	83772	1	N	09/07/22	548.08	
Totals for vendor 15407									548.08 *
Vendor number: 100210 NICOLE MCLAUGHLIN									
01-23200-367 000000	RECREATION PROGRAM FEES	2022	2001218.004	0	0	N	09/14/22	20.00	
Remarks: PROGRAM REFUND									
Totals for vendor 100210									20.00 *
Vendor number: 100214 NICOLE WELSH									
01-23200-367 000000	RECREATION PROGRAM FEES	2022	2001222.004	0	0	N	09/14/22	10.00	
Remarks: PROGRAM REFUND									
Totals for vendor 100214									10.00 *
Vendor number: 265 PA DEPT OF LABOR & INDUSTRY-E									
01-10450-451 000000	CONTRACTED SERVICES	2022	0666114	83914	1	N	09/14/22	233.47	
Remarks: ELEVATOR CERT OF OPERATION 001 & 004									
Totals for vendor 265									233.47 *
Vendor number: 941 PA RECREATION & PARK SOCIETY									
01-10450-452 000000	CONTRACTED SERVICES	2022	AUGUST 2022	83875	1	N	09/14/22	4,315.00	
Remarks: DISCOUNT TICKET SALES AUGUST									
Totals for vendor 941									4,315.00 *
Vendor number: 15191 PA TURNPIKE TOLL BY PLATE									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	119784850-1	83812	1	N	09/14/22	138.20	
Totals for vendor 15191									138.20 *
Vendor number: 1061 PENNA ONE CALL SYSTEMS, INC.									
01-10450-408 000000	CONTRACTED SERVICES	2022	0000966038	0	0	N	09/14/22	416.46	
Remarks: Monthly charges									
Totals for vendor 1061									416.46 *
Vendor number: 10464 PETSMART									
01-10260-452 000000	SMALL TOOLS AND MINOR EQUIP	2022	BBNC 9/14/22	83842	1	N	09/14/22	41.59	
01-10260-452 000000	SMALL TOOLS AND MINOR EQUIP	2022	BBNC 9/8/22	83445	1	N	09/08/22	49.46	
Totals for vendor 10464									91.05 *
Vendor number: 15258 PIONEER AUTO BODY & REPAIR									

01-10255-437 000000	ACCIDENT REPAIRS	2022	1845	83831	1	N	09/14/22	2,057.20	
Remarks: repair & paint #221									
Totals for vendor 15258									2,057.20 *
Vendor number: 16899 PORT A BOWL RESTROOM CO.									
01-10450-452 000000	CONTRACTED SERVICES	2022	14512	83873	1	N	09/14/22	138.04	
Remarks: ACEC RESTROOM RENTAL									
Totals for vendor 16899									138.04 *
Vendor number: 4032 PREMIUM CLEANING SERVICE CORP									
01-10450-409 000000	CONTRACTED SERVICES	2022	512274	83837	1	N	09/14/22	675.00	

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 4032									675.00 *
Vendor number: 100019 PRINCETON HYDRO									
01-10450-451 000000	CONTRACTED SERVICES	2022	45465	81715	1	N	09/14/22	1,549.25	
Remarks: ALGEE & AQUATIC VEGETATION CONTROL									
Totals for vendor 100019									1,549.25 *
Vendor number: 9600 PROSHRED SECURITY									
01-10450-410 000000	CONTRACTED SERVICES	2022	0218664	83838	1	N	09/14/22	24.50	
Remarks: shredding at annex									
Totals for vendor 9600									24.50 *
Vendor number: 14925 Peco Payment processing									
01-10450-451 000000	CONTRACTED SERVICES	2022	083122	83919	1	N	09/14/22	11.03	
Remarks: GAS SERVICE 2595 RUBICAM AVE									
Totals for vendor 14925									11.03 *
Vendor number: 12990 READY REFRESH									
01-10366-451 000000	WATER SERVICE	2022	02I0442566949	83871	1	N	09/14/22	6.39	
Remarks: WATER DELIVERY ALVERTHORPE MANOR									
Totals for vendor 12990									6.39 *
Vendor number: 12994 READY REFRESH									
01-10241-410 000000	GENERAL GOVERNMENT SUPPLIES	2022	AUGUST 22	83839	1	N	09/14/22	519.16	
Remarks: July and August 2022									
Totals for vendor 12994									519.16 *
Vendor number: 12995 READY REFRESH									
01-10366-409 000000	WATER SERVICE	2022	020442565891	0	0	N	09/14/22	111.95	
Remarks: 8/5/22- 9/4/22									
Totals for vendor 12995									111.95 *
Vendor number: 100212 ROSEMARY MILLER									
01-23200-367 000000	RECREATION PROGRAM FEES	2022	2001220.004	0	0	N	09/14/22	20.00	
Remarks: PROGRAM REFUND									
Totals for vendor 100212									20.00 *
Vendor number: 14418 ROSLYN VALLEY BUS. ASS'N.									
01-10540-406 000000	PROMOTIONAL EVENTS	2022	SPONSORSHIP	0	0	N	09/13/22	2,000.00	
Remarks: Roslyn Valley Business Assoc									
Totals for vendor 14418									2,000.00 *
Vendor number: 100205 SAL BARILA									

01-23200-367 000000	RECREATION PROGRAM FEES	2022	2001213.004	0	0	N	09/14/22	20.00		

Remarks: PROGRAM REFUND

Totals for vendor 100205 — 20.00 *

Vendor number: 701 SECURITY ON LINE SYSTEMS INC

01-10450-409 000000	CONTRACTED SERVICES	2022	88696	83820	1	N	09/14/22	3,144.00		

Remarks: INSPECTION CONTRACT - EXISTING FIRE SYSTEM

Totals for vendor 701 — 3,144.00 *

Vendor number: 1882 SHERWIN WILLIAMS CO.

01-10260-452 000000	SMALL TOOLS AND MINOR EQUIP	2022	0981-4	83872	1	N	09/14/22	87.83		

Remarks: REPAIRS TO ACEC

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 1882									87.83 *
Vendor number: 8628 STAPLES									
01-12210-413 000000	OFFICE SUPPLIES	2022	3515179870	0	0	N	09/07/22	5.36	
Remarks: CODE SUPPLIES									
01-12210-413 000000	OFFICE SUPPLIES	2022	3515688397	83833	1	N	09/14/22	17.49	
Remarks: CODE SUPPLIES									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	3516265064	83620	1	N	09/14/22	219.98	
Remarks: office chairs									
01-12210-451 000000	OFFICE SUPPLIES	2022	3516265069	83543	1	N	09/14/22	21.99	
Remarks: iPAD CASE, CHARGER, CABLE									
01-12210-402 000000	OFFICE SUPPLIES	2022	3517180492	83790	1	N	09/14/22	84.10	
Remarks: FINANCE OFC SUPPLIES									
01-12210-451 000000	OFFICE SUPPLIES	2022	3517180508	83771	1	N	09/14/22	17.99	
Remarks: STAMPS AND SCREEN PROTECTOR									
Totals for vendor 8628									366.91 *
Vendor number: 8592 TOBAY PRINTING CO., INC.									
01-10342-451 000000	PRINTING	2022	34275	83433	1	N	09/14/22	1,990.00	
Remarks: FALL/WINTER ACTIVITIES GUIDE PRINTING									
Totals for vendor 8592									1,990.00 *
Vendor number: 13060 TRADS									
01-10450-410 000000	CONTRACTED SERVICES	2022	348119-202208-1	83836	1	N	09/14/22	83.00	
Remarks: TLO									
Totals for vendor 13060									83.00 *
Vendor number: 13807 U.S. GREEN BUILDING COUNCIL									
01-11420-406 000000	DUES, SUBSCR. AND MEMBERSHIPS	2022	MEMBERSHIP	0	0	N	09/14/22	1,500.00	
Remarks: Silver membership									
Totals for vendor 13807									1,500.00 *
Vendor number: 1028 VAN'S LOCK SHOP, INC									
01-10450-452 000000	CONTRACTED SERVICES	2022	129400	83915	1	N	09/14/22	17.60	
Remarks: DUPLICATE KEYS									
Totals for vendor 1028									17.60 *
Vendor number: 12843 VERIZON WIRELESS									
01-10450-410 000000	CONTRACTED SERVICES	2022	AUGUST 2022 1	0	0	N	09/14/22	1,120.53	
Remarks: Modems									
Totals for vendor 12843									1,120.53 *
Vendor number: 7500 VILE SUSAN ELIZABETH									
01-10450-410 000000	CONTRACTED SERVICES	2022	JULY/AUG	0	0	N	09/14/22	742.50	
Remarks: Planning Comm, Comprehensive, Pre-submission									

Totals for vendor 7500										742.50 *
Vendor number: 100208 WAYNE LEWIS										
01-23200-367 000000	RECREATION PROGRAM FEES	2022	2001216.004	0	0	N	09/14/22	10.00		
Remarks: PROGRAM REUFND										
Totals for vendor 100208										10.00 *
Vendor number: 4542 WEBER CO., INC C.L.										
01-10260-452 000000	SMALL TOOLS AND MINOR EQUIP	2022	IVC47285	83878	1	N	09/14/22	183.80		
Remarks: REPAIRS TO PENBRYN POOL FILTER SYSTEM										
Totals for vendor 4542										183.80 *

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight
Totals for fund 1								93,569.74 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 2 Sewer Fund									
Vendor number: 7574 ALL INDUSTRIAL-SAFETY PRODUCTS									
02-10260-429 000000	SMALL TOOLS AND MINOR EQUIP	2022	230976/231976-2	82962	1	N	09/14/22	2,845.51	
Remarks: STORM DRAIN SEALING PADS									
Totals for vendor 7574									2,845.51 *
Vendor number: 8186 ASPHALT CARE EQUIP/SUPPLY INC									
02-10245-429 000000	HIGHWAY SUPPLIES	2022	130516	82302	1	N	09/14/22	9,657.90	
Remarks: MANHOLE RISERS FOR COLLECTION SYSTEM -									
02-10260-429 000000	SMALL TOOLS AND MINOR EQUIP	2022	130516	82302	1	N	09/14/22	182.10	
Remarks: MANHOLE RISERS FOR COLLECTION SYSTEM -									
Totals for vendor 8186									9,840.00 *
Vendor number: 4209 MALDEN W.G.									
02-10450-429 000000	CONTRACTED SERVICES	2022	20228	83936	1	N	09/14/22	2,282.00	
Remarks: COLLECTION SYSTEM METER SERVICE CALIBRATIONS									
02-10740-429 000000	MACHINERY	2022	20229	82883	1	N	09/14/22	5,365.00	
Remarks: REPLACEMENT IISCO FLOW METER									
Totals for vendor 4209									7,647.00 *
Totals for fund 2									20,332.51 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 3 Fire Services Fund									
Vendor number: 14931 AUTOMATIC FIRE ALARM ASSOC									
03-11420-411 000000	DUES, SUBSCR. AND MEMBERSHIPS	2022	INV8908	83928	1	N	09/14/22	25.00	
Remarks: Membership Dues FM 29-1									
Totals for vendor 14931									25.00 *
Vendor number: 3261 CONROY'S CLEANING INC									
03-10450-411 000000	CONTRACTED SERVICES	2022	INV08-27-22	83898	1	N	09/14/22	500.00	
Remarks: PSTF - Stripping, sealing, waxing the floor.									
Totals for vendor 3261									500.00 *
Vendor number: 7861 CONSHOHOCKEN STEEL PRODUCTS									
03-10450-411 000000	CONTRACTED SERVICES	2022	2018964	83895	1	N	09/14/22	1,820.00	
Remarks: New 4 Yard dumpster for the ATFD Burn Bldg.									
Totals for vendor 7861									1,820.00 *
Vendor number: 9146 EDGE HILL FIRE COMPANY									
03-10374-411 000000	411	2022	PM - 08/2022	83887	1	N	09/14/22	3,859.31	
Remarks: Preventive Maintenance - August 2022.									
Totals for vendor 9146									3,859.31 *
Vendor number: 512 GEPPERT INC. WILLIAM A									
03-10450-411 000000	CONTRACTED SERVICES	2022	S033700	83894	1	N	09/14/22	63.94	
Remarks: Refills for two 33lb propane tanks for training.									
Totals for vendor 512									63.94 *
Vendor number: 5965 GREENVIEW LANDSCAPING									
03-10450-411 000000	CONTRACTED SERVICES	2022	INV16831	82988	1	N	09/14/22	300.00	
Remarks: August - Weed control services at Public Safety Training Ctr									
Totals for vendor 5965									300.00 *
Vendor number: 9766 MAILLIE									
03-12310-411 000000	PROFESSIONAL SERVICES	2022	87503	83901	1	N	09/14/22	542.72	
Remarks: confirmation.com charges for audit confirmations.									
03-10450-411 000000	CONTRACTED SERVICES	2022	87503 - 2	83899	1	N	09/14/22	1,500.00	
Remarks: Approved Purchase Justification. ATFD final audit payment.									
Totals for vendor 9766									2,042.72 *
Vendor number: 9144 MC KINLEY FIRE COMPANY									
03-10374-411 000000	411	2022	PM - 08/2000	83886	1	N	09/14/22	2,594.69	
Remarks: Preventive maintenance - August 2022									
Totals for vendor 9144									2,594.69 *

Vendor number: 14392 MCKINLEY FIRE COMPANY										
03-10351-411 000000	PROPERTY& LIABILITY INSURANCE	2022	INS - 08/2022	83702	1	N	09/14/22	10,024.00		
Remarks: Insurance Reimbursement - August 2022										
Totals for vendor 14392										10,024.00 *
Vendor number: 8736 NFPA										
03-11420-411 000000	DUES, SUBSCR. AND MEMBERSHIPS	2022	2672057	83703	1	N	09/14/22	175.00		
Remarks: FM Membership Dues										
Totals for vendor 8736										175.00 *
Vendor number: 9147 ROSLYN FIRE COMPANY										
03-10374-411 000000	411	2022	PM - 08/2022	83888	1	N	09/14/22	1,742.34		
Remarks: Preventive Maintenance - August 2022.										

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 9147									1,742.34 *
Vendor number: 4607 SHAPIRO FIRE PROTECTION CO									
03-10450-411 000000	CONTRACTED SERVICES	2022	18259	83903	1	N	09/14/22	172.64	
Remarks: Annual maintenance of Inspection of Extinguishers.									
Totals for vendor 4607									172.64 *
Vendor number: 8628 STAPLES									
03-10260-411 000000	SMALL TOOL AND MINOR EQUIP	2022	8067293164	83462	1	N	09/14/22	189.99	
Remarks: Minor Equipment and Supplies									
03-10263-411 000000	COMPUTER EQUIPMENT/PARTS	2022	8067293164	83462	2	N	09/14/22	137.17	
Remarks: Minor Equipment and Supplies									
Totals for vendor 8628									327.16 *
Vendor number: 12730 STATE WORKER'S INS. FUND									
03-11354-411 000000	WORKER'S COMP INSURANCE	2022	10 OF 11	0	0	N	09/14/22	3,364.00	
Remarks: SWIF payment									
Totals for vendor 12730									3,364.00 *
Vendor number: 11732 WITMER PUBLIC SAFETY GROUP INC									
03-10260-411 000000	SMALL TOOL AND MINOR EQUIP	2022	INV97664	83904	1	N	09/14/22	55.00	
Remarks: ATFD FFI Minor Equipment									
Totals for vendor 11732									55.00 *
Totals for fund 3									27,065.80 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 4 Grant and Special ProjectsFund									
Vendor number: 9216 CONTRACTORS HAULING SERVICE									
04-10720-408-AR2115	IMPROV. OTHER THAN BUILDINGS	2022	503464	83825	1	N	09/14/22	321.86	
Remarks: HAULING CHARGE, FUEL CHARGE									
Totals for vendor 9216									321.86 *
Vendor number: 1064 EVERLASTING FENCE CO.									
04-10720-408-AR2115	IMPROV. OTHER THAN BUILDINGS	2022	49005	83923	1	N	09/14/22	1,301.73	
04-10720-408-AR2115	IMPROV. OTHER THAN BUILDINGS	2022	49013	83924	1	N	09/14/22	29.57	
04-10720-408-AR2115	IMPROV. OTHER THAN BUILDINGS	2022	9024,9025,9023	83864	1	N	09/14/22	96.00	
Totals for vendor 1064									1,427.30 *
Vendor number: 11701 I/O SOLUTIONS									
04-10260-410-GPTEST	SMALL TOOLS AND MINOR EQUIP	2022	SAN0000036	83212	1	N	09/14/22	1,020.00	
Remarks: APD Written Exam Study Guide									
04-10260-410-GPTEST	SMALL TOOLS AND MINOR EQUIP	2022	SAN0000037	83321	1	N	09/07/22	4,317.00	
Remarks: APD Written Exam Books									
Totals for vendor 11701									5,337.00 *
Vendor number: 1190 J.D.M. MATERIALS CO.									
04-10720-408-AR2115	IMPROV. OTHER THAN BUILDINGS	2022	503399	83826	1	N	09/14/22	570.00	
Remarks: 3500 A/E DESIGN									
Totals for vendor 1190									570.00 *
Vendor number: 9136 MASON CO., INC. W.B.									
04-10260-410-GPTEST	SMALL TOOLS AND MINOR EQUIP	2022	232297751	83738	1	N	09/14/22	77.17	
Remarks: folders and labels									
Totals for vendor 9136									77.17 *
Vendor number: 8257 MCDONALD UNIFORMS									
04-10238-410-GPBPVG	CLOTHING AND UNIFORMS	2022	209471 MULT	83911	1	N	09/14/22	635.00	
Remarks: see attached list for invoice numbers									
Totals for vendor 8257									635.00 *
Totals for fund 4									8,368.33 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 9 Refuse Fund									
Vendor number: 16417 AQUA									
09-10366-427-000000	WATER SERVICE	2022	0121346 091222	83856	1	N	09/14/22	79.29	
Remarks: Water at 995 Fitzwatertown Rd									
Totals for vendor 16417									79.29 *
Vendor number: 2074 DSI MEDICAL SERVICES, INC.									
09-12196-427-000000	MEDICAL BENEFITS	2022	13INV108972	0	0	N	09/14/22	91.44	
Remarks: Testing									
Totals for vendor 2074									91.44 *
Vendor number: 100156 Heffernan Insurance Brokers									
09-10740-427-000000	MACHINERY	2022	386783	0	0	N	09/14/22	3,660.00	
Totals for vendor 100156									3,660.00 *
Vendor number: 9600 PROSHRED SECURITY									
09-10450-427-000000	CONTRACTED SERVICES	2022	2112717-ADMIN	0	0	N	09/14/22	110.00	
Remarks: WO 0218664									
Totals for vendor 9600									110.00 *
Vendor number: 8628 STAPLES									
09-12210-427-000000	OFFICE SUPPLIES	2022	3516265062	83577	1	N	09/13/22	81.60	
Totals for vendor 8628									81.60 *
Totals for fund 9									4,022.33 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 12 Clearing Fund									
Vendor number: 100202 4 EverBricks									
12-13202-200-000000	DONATION - WAR MEMORIAL	2022	4B FC 001	0	0	N	09/14/22	64.00	
Remarks: Brick for war memorial									
Totals for vendor 100202									64.00 *
Totals for fund 12									64.00 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 15 Economic Development Fund									
Vendor number: 14418 ROSLYN VALLEY BUS. ASS'N.									
15-15202-252 000000	DEFERRED REVENUE-ROSLYN	2022	SPONSORSHIP	0	0	N	09/13/22	341.00	
Remarks: Roslyn Valley Business Assoc									
Totals for vendor 14418									341.00 *
Totals for fund 15									341.00 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 18 Capital Projects Fund									
Vendor number: 14688 CARDMEMBER SERVICE									
18-10740-410-220016	MACHINERY	2022	SEPTEMBER 2022	0	0	N	09/14/22	441.97	
Remarks: Misc charges on Twp Credit Card									
Totals for vendor 14688									441.97 *
Vendor number: 5517 GLASGOW, INC.									
18-11001-248-ES2437	DEPOSITS PAY-AQUA/PECO PAVING	2022	204968	83906	1	N	09/14/22	210.11	
Remarks: paving 9/2/22									
18-11001-248-ES2437	DEPOSITS PAY-AQUA/PECO PAVING	2022	EMAILED 9/7/22	83850	1	N	09/14/22	1,346.02	
Remarks: paving									
Totals for vendor 5517									1,556.13 *
Vendor number: 10249 ITSAVVY LLC									
18-10770-409-220006	INFORMATION TECH AND EQUIPMENT	2022	367653-372492	83424	1	N	09/14/22	1,676.04	
Remarks: NEW DESKTOPS and adapters									
18-10770-409-220006	INFORMATION TECH AND EQUIPMENT	2022	367653-372492	0	0	N	09/14/22	74.23	
Remarks: NEW DESKTOPS and adapters									
Totals for vendor 10249									1,750.27 *
Vendor number: 1320 JAMAR TECHNOLOGIES, INC.									
18-10740-410-220018	MACHINERY	2022	58127	83720	1	N	09/14/22	3,900.00	
Remarks: radar kit									
Totals for vendor 1320									3,900.00 *
Vendor number: 15709 MCKINLEY FIRE COMPANY									
18-10730-411-220036	BUILDINGS CAPITAL	2022	210816-0013	81166	1	N	09/14/22	8,950.00	
Remarks: Approved Purchase Justification. Install of 6 ton AC									
Totals for vendor 15709									8,950.00 *
Vendor number: 7191 SHADES OF GREEN, INC.									
18-10660-454-220055	PROFESSIONAL FEES	2022	26481	83555	1	N	09/14/22	4,000.00	
Remarks: TREE REMOVAL PENBRYN PARK									
Totals for vendor 7191									4,000.00 *
Vendor number: 15124 SHECHTMAN TREE CARE, LLC									
18-10660-454-220055	PROFESSIONAL FEES	2022	27739	83669	1	N	09/14/22	2,560.00	
Remarks: TREE REMOVAL EDGECOMB AVE									
Totals for vendor 15124									2,560.00 *
Vendor number: 10627 TRAFFIC PLANNING & DESIGN INC									
18-10720-408-220023	IMPROV. OTHER THAN BUILDINGS	2022	TPD31359	0	0	N	09/14/22	3,042.50	
Remarks: ABTO 00010 OLD YORK RD/SUSQUEHANNA RD IMP									

Totals for vendor 10627 3,042.50 *

Totals for fund 18 26,200.87 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 23 Debt Service Fund									
Vendor number: 16480 LEAF									
23-10384-471 000000	RENT OF MACHINERY/EQUIPMENT	2022	AUG SEPT	0	0	N	09/12/22	278.00	
Remarks: Copier code & BBNC									
Totals for vendor 16480									278.00 *
Vendor number: 16575 LEAF									
23-10384-471 000000	RENT OF MACHINERY/EQUIPMENT	2022	SEPTEMBER 2022	0	0	N	09/14/22	136.00	
Remarks: Police admin lease									
Totals for vendor 16575									136.00 *
Vendor number: 16684 LEAF									
23-10384-471 000000	RENT OF MACHINERY/EQUIPMENT	2022	AUG SEPT 2022	0	0	N	09/14/22	228.00	
Remarks: Police records lease									
Totals for vendor 16684									228.00 *
Vendor number: 100150 Leaf									
23-10384-471 000000	RENT OF MACHINERY/EQUIPMENT	2022	SEPTEMBER 2022	0	0	N	09/12/22	119.00	
Remarks: Public works copier lease									
Totals for vendor 100150									119.00 *
Totals for fund 23									761.00 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 35 Highway Aid Fund									
Vendor number: 13608 FISHER ACE HARDWARE									
35-10245-433-000000	HIGHWAY SUPPLIES	2022	010603	83811	1	N	09/14/22	64.93	
Totals for vendor 13608									64.93 *
Vendor number: 512 GEPPERT INC. WILLIAM A									
35-10245-433-000000	HIGHWAY SUPPLIES	2022	34710	83801	1	N	09/14/22	11.68	
Remarks: KNIFE UTIL RETRACT FRNT LD 6IN									
Totals for vendor 512									11.68 *
Vendor number: 5516 LOWE'S BUSINESS ACCOUNT									
35-10245-433-000000	HIGHWAY SUPPLIES	2022	378536	83902	1	N	09/14/22	64.89	
Remarks: hand tools									
Totals for vendor 5516									64.89 *
Vendor number: 1889 PECO ENERGY									
35-10361-433-000000	ELECTRIC AND GAS	2022	JULY 2022	0	0	N	09/12/22	1,411.41	
Remarks: Traffic lights									
Totals for vendor 1889									1,411.41 *
Vendor number: 1890 PECO ENERGY									
35-10361-433-000000	ELECTRIC AND GAS	2022	SEPTEMBER 2022	0	0	N	09/14/22	32,017.30	
Remarks: Street light									
Totals for vendor 1890									32,017.30 *
Totals for fund 35									33,570.21 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 70 OPEB Fund									
Vendor number: 1784 ROMAN PHILLIP A.									
70-11196-488-000000	OUT OF AREA MEDICAL REIMB.	2022	JAN-SEPT 2022	0	0	N	09/14/22	2,680.11	
Remarks: Retiree reimbursement									
Totals for vendor 1784									2,680.11 *
Totals for fund 70									2,680.11 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 75 Worker's Compensation Fund									
Vendor number: 1083 COMMONWEALTH OF PENNSYLVANIA									
75-11354-486-000000	WORKERS' COMP INSURANCE	2022	4044	0	0	N	09/12/22	50.00	
Remarks: Bureau of Workers comp									
Totals for vendor 1083									50.00 *
Totals for fund 75									50.00 **
Grand totals									217,025.90 ***

*** End of Report ***

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
Checks for Cash Account: 99-10090-000 000000						
76519	100215	COLEMAN-MARTIN, LYNNETTE	33.90	09/22/22		
76520	100219	COUNTY OF MONTGOMERY TREASURER	5,148.47	09/22/22		
76521	100016	Donna Myers	170.10	09/22/22		ACH
76522	100224	EMS PHYSICIAN PC	854.00	09/22/22		
76523	100218	Engineering Land Planning Asso	9,212.50	09/22/22		
76524	462	FRIENDS OF BRIAR BUSH	859.56	09/22/22		ACH
76525	100222	LEIGH K MCCULLOUGH	57.00	09/22/22		
76526	100223	MAN STEF INC - CHICKEN TIME	141.00	09/22/22		
76527	100221	PENNSYLVANIA HEART & VASCULAR	15,739.00	09/22/22		
76528	13361	Sensys Gatso Group	168,000.00	09/22/22		ACH
76529	100220	THE CHOWNS GROUP LLC	655.00	09/22/22		
76530	100148	TIOGA FUEL COMPANY	5,439.41	09/22/22		
76531	1306	ABINGTON TWP PUBLIC LIBRARY	6,085.63	09/22/22		
76532	2961	ACKER'S HARDWARE, INC.	14.49	09/22/22		
76533	14462	Aileen Kelly	148.50	09/22/22		ACH
76534	7884	AIRGAS USA, LLC	82.00	09/22/22		ACH
76535	8319	Allen Boerner	170.10	09/22/22		ACH
76536	12309	ALLIED LANDSCAPE SUPPLY	367.77	09/22/22		
76537	16294	Ann Whitney	144.60	09/22/22		ACH
76538	9840	Anthony Ciliberto	146.10	09/22/22		ACH
76539	1941	Anthony Cristaldi	170.10	09/22/22		ACH
76540	2053	ANALYTICAL LABORATORIES, INC.	985.00	09/22/22		ACH
76541	15971	APS	1,011.34	09/22/22		
76542	10093	ARDMORE TIRE COMPANY	6,415.00	09/22/22		
76543	8369	ATLANTIC TACTICAL	996.10	09/22/22		ACH
76544	12622	Barbara Clark	170.10	09/22/22		ACH
76545	825	BERGEY'S INC.	1,066.46	09/22/22		
76546	707	BILLOWS ELECTRIC SUPPLY INC	1,159.80	09/22/22		
76547	8345	BLUMENTHAL JAY W	1,000.00	09/22/22		ACH
76548	9673	Bruce Dean	170.10	09/22/22		ACH
76549	1596	Bruce Haslam	442.30	09/22/22		ACH
76550	16295	Bruce Mouat	170.10	09/22/22		
76551	11932	Carol Ridge	148.50	09/22/22		ACH
76552	15005	CAMPBELL, DURRANT P.C	7,142.00	09/22/22		
76553	3941	Charles Clark	170.10	09/22/22		ACH
76554	15324	Cheryl McNamara	170.10	09/22/22		ACH
76555	14798	Christine McCreary	170.10	09/22/22		ACH
76556	1308	CITY OF PHILA/WATER DEPT	142,264.65	09/22/22		
76557	12951	CLARKE, LLC RUDOLPH	10,500.00	09/22/22		ACH
76558	12500	CLEAN MACHINE CARWASH	137.50	09/22/22		
76559	13433	COMCAST	209.87	09/22/22		
76560	14978	COMCAST	149.48	09/22/22		
76561	5894	COMCAST CABLE	214.87	09/22/22		
76562	8543	COMCAST CABLE	128.39	09/22/22		
76563	3261	CONROY'S CLEANING INC	1,290.00	09/22/22		ACH

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
76564	13388	COVANTA ENERGY, LLC	111,773.07	09/22/22		ACH
76565	1030	David Tomlinson	170.10	09/22/22		ACH
76566	16574	DE LAGE LANDEN	149.00	09/22/22		ACH
76567	12374	DELAWARE VALLEY NEGOT. ASSOC	275.00	09/22/22		
76568	15294	Donna Kelly	170.10	09/22/22		ACH
76569	7484	EAGLE TRUCK EQUIPMENT	2,247.85	09/22/22		
76570	14961	EASTERN AUTO PARTS WAREHOUSE	12.88	09/22/22		
76571	15653	Elizabeth Clark	170.10	09/22/22		ACH
76572	419	FEDERAL EXPRESS	381.77	09/22/22		
76573	13608	FISHER ACE HARDWARE	62.11	09/22/22		
76574	12174	Georgianna Rice	170.10	09/22/22		ACH
76575	6154	Gerald Kelly	170.10	09/22/22		ACH
76576	512	GEPPERT INC. WILLIAM A	221.77	09/22/22		
76577	3953	Glenn Davis	170.10	09/22/22		ACH
76578	3270	GROFF TRACTOR & EQUIP, INC.	506.17	09/22/22		
76579	7855	HARRIELLE EMBROIDERY, LTD.	2,360.00	09/22/22		
76580	541	HIBBERT'S INC	487.00	09/22/22		
76581	10824	INTERSTATE BATTERY SYSTEM	158.85	09/22/22		
76582	16411	James Leary	148.50	09/22/22		
76583	15293	Jmaes Hurtado	148.50	09/22/22		ACH
76584	14460	Joann Mann	170.10	09/22/22		ACH
76585	2776	John Archie	177.30	09/22/22		ACH
76586	12984	John Creedan	170.10	09/22/22		ACH
76587	14871	John Livingood	170.10	09/22/22		ACH
76588	1805	John Parks	170.10	09/22/22		ACH
76589	5785	John Thompson	144.60	09/22/22		ACH
76590	1618	Joseph Conover	202.00	09/22/22		ACH
76591	8918	Joseph Quinn	170.10	09/22/22		ACH
76592	3119	JOHN KENNEDY FORD JENKINTOWN	607.43	09/22/22		
76593	16876	Kathleen Tomlinson	170.10	09/22/22		ACH
76594	9404	Kathryn Lamphere	170.10	09/22/22		ACH
76595	14873	Kenneth Clark	170.10	09/22/22		ACH
76596	943	Kenneth Stein	121.80	09/22/22		ACH
76597	5904	Kevin McCreary	170.10	09/22/22		ACH
76598	16812	KENDALL ELECTRIC INC	11,589.85	09/22/22		
76599	7644	KENNAMETAL, INC.	7,233.50	09/22/22		
76600	13194	LAYNE LABORATORIES, INC	795.28	09/22/22		
76601	16748	LEAF	105.00	09/22/22		
76602	3370	LESLIE'S POOLMART, INC.	221.20	09/22/22		
76603	16830	LINDLEY TOWING	75.00	09/22/22		
76604	2273	Louis Clewell	148.50	09/22/22		ACH
76605	5516	LOWE'S BUSINESS ACCOUNT	74.98	09/22/22		
76606	14489	Madeline Milletti	170.10	09/22/22		ACH
76607	14248	Margaet Creedan	170.10	09/22/22		ACH
76608	10406	Margaret Archie	170.10	09/22/22		ACH
76609	4527	Marie l Trudeau	104.90	09/22/22		

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
76610	14474	Mary Conover	202.00	09/22/22		ACH
76611	11622	Mary Darcy	170.10	09/22/22		ACH
76612	7364	Maryann Thompson	144.60	09/22/22		ACH
76613	14872	MaryJane Livingood	170.10	09/22/22		ACH
76614	12834	MCANENEY TOM	3,379.92	09/22/22		
76615	8257	MCDONALD UNIFORMS	728.07	09/22/22		
76616	12163	Melvin Rice	170.10	09/22/22		ACH
76617	10130	Michael Evangelista	191.70	09/22/22		ACH
76618	13417	Michael Miletto	170.10	09/22/22		ACH
76619	14528	MONARCH BRANDS	318.80	09/22/22		
76620	11845	MOYER INDOOR/OUTDOOR	890.92	09/22/22		
76621	8278	MSC INDUSTRIAL SUPPLY COMPANY	191.77	09/22/22		
76622	13128	Nancy Davis	156.10	09/22/22		ACH
76623	14159	Nancy O'Connor	135.50	09/22/22		ACH
76624	10954	Nancy Quinn	170.10	09/22/22		ACH
76625	8608	NELSON CONSULTING SERVICE MIKE	1,800.00	09/22/22		
76626	13756	Patricia Stein	134.00	09/22/22		ACH
76627	10226	Paul Myers	170.10	09/22/22		ACH
76628	15292	Peter Hasson	170.10	09/22/22		ACH
76629	1889	PECO ENERGY	9.03	09/22/22		
76630	16885	PENN- HOLO SALES & SERVICE	149.57	09/22/22		
76631	1189	PENNONI ASSOCIATES INC.	1,917.50	09/22/22		
76632	2538	Phillip Ridge	148.50	09/22/22		ACH
76633	8842	POLYDYNE INC.	5,351.06	09/22/22		ACH
76634	16899	PORT A BOWL RESTROOM CO.	622.92	09/22/22		
76635	15916	POSTAL SERVICE UNITED STATES	3,000.00	09/22/22		
76636	4032	PREMIUM CLEANING SERVICE CORP	540.00	09/22/22		ACH
76637	962	PRIMEX CENTERS, INC.	252.00	09/22/22		
76638	11179	Regina Holt	170.10	09/22/22		ACH
76639	10046	REIDER ASSOCIATES, INC. M.J.	2,043.00	09/22/22		ACH
76640	4091	Robert Lamphere	170.10	09/22/22		ACH
76641	15720	Robert Mann	170.10	09/22/22		ACH
76642	1683	Ronald Trudeau	104.90	09/22/22		
76643	13523	RUBBER SUPPLY CO., INC.	156.86	09/22/22		
76644	996	SECOND ALARMERS ASSN	15,625.00	09/22/22		ACH
76645	4607	SHAPIRO FIRE PROTECTION CO	920.22	09/22/22		
76646	15124	SHECHTMAN TREE CARE, LLC	2,780.00	09/22/22		
76647	8164	Sonja Boerner	170.10	09/22/22		ACH
76648	15775	SPARKS INDUSTRIES	470.00	09/22/22		
76649	8628	STAPLES	151.36	09/22/22		
76650	8699	SUBURBAN TESTING LABS	140.00	09/22/22		
76651	16813	SWIMOUTLET	183.96	09/22/22		
76652	11772	Thomas Darcy	170.10	09/22/22		ACH
76653	14908	Thomas McNamara	170.10	09/22/22		ACH
76654	16916	THOMAS KATHLEEN M	1,435.00	09/22/22		
76655	15153	TIREHUB, LLC	2,509.32	09/22/22		

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
76656	10627	TRAFFIC PLANNING & DESIGN INC	2,372.50	09/22/22		
76657	15794	TRAFFIC SAFETY STORE	1,542.19	09/22/22		
76658	8170	TRIAD TRUCK EQUIPMENT INC	162.00	09/22/22		
76659	495	UNITED PARCEL SERVICE	19.30	09/22/22		
76660	15874	UNITEDHEALTHCARE	22,269.60	09/22/22		ACH
76661	14709	VECTOR SECURITY	95.74	09/22/22		
76662	4072	VERIZON	70.11	09/22/22		
76663	13436	VERIZON	32.50	09/22/22		
76664	11838	Virginai Evangelista	191.70	09/22/22		ACH
76665	12623	Virginia Ciliberto	170.10	09/22/22		ACH
76666	7500	VILE SUSAN ELIZABETH	348.75	09/22/22		ACH
76667	107	William Holt	158.10	09/22/22		ACH
76668	14739	William Kelly	148.50	09/22/22		ACH

Check totals:	257,893.13
ACH totals:	352,199.54
EFTPS totals:	
Wire transfer totals:	
Payment Manager totals:	
GRAND TOTALS	610,092.67

Check totals:	257,893.13
ACH totals:	352,199.54
EFTPS totals:	
Wire transfer totals:	
Payment Manager totals:	
GRAND TOTALS	610,092.67

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 1 General Fund									
Vendor number: 1306 ABINGTON TWP PUBLIC LIBRARY									
01-10220-456 000000	LIBRARY OPERATING	2022	19/14/2022	0	0	N	09/21/22	6,085.63	
Remarks: Library Appropriation									
Totals for vendor 1306									6,085.63 *
Vendor number: 2961 ACKER'S HARDWARE, INC.									
01-10227-451 000000	SANITATION SUPPLIES	2022	2209-171336	83950	1	N	09/21/22	14.49	
Remarks: CLEANING SUPPLIES									
Totals for vendor 2961									14.49 *
Vendor number: 12309 ALLIED LANDSCAPE SUPPLY									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	145418	83942	1	N	09/21/22	367.77	
Totals for vendor 12309									367.77 *
Vendor number: 15971 APS									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	MARCH 2022	0	0	N	09/21/22	855.97	
Remarks: Equipment repair and maintenance									
Totals for vendor 15971									855.97 *
Vendor number: 10093 ARDMORE TIRE COMPANY									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	92806	84009	1	N	09/21/22	370.00	
Remarks: TIRES FOR SCARAB									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	92814	0	0	N	09/16/22	3,150.00	
Remarks: TIRES									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	93295	84014	1	N	09/21/22	2,895.00	
Remarks: refuse truck tires									
Totals for vendor 10093									6,415.00 *
Vendor number: 8369 ATLANTIC TACTICAL									
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	10660751	83191	1	N	09/21/22	996.10	
Remarks: remaining balance for gun parts									
Totals for vendor 8369									996.10 *
Vendor number: 825 BERGEY'S INC.									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	64R,49F0,9R,72F	84012	1	N	09/20/22	1,066.46	
Remarks: FILTERS, COOLANT ,BRAKES									
Totals for vendor 825									1,066.46 *
Vendor number: 707 BILLOWS ELECTRIC SUPPLY INC									
01-10740-434 000000	MACHINERY	2022	4705-00	83958	1	N	09/21/22	1,159.80	
Remarks: TAPE, WIRE TIES, LED COLONIAL HEAD									
Totals for vendor 707									1,159.80 *

Vendor number: 8345 BLUMENTHAL JAY W										
01-10450-403 000000	CONTRACTED SERVICES	2022	SEPTEMBER 2022	0	0	N	09/21/22	1,000.00		
Remarks: Monthly fee										
Totals for vendor 8345										1,000.00 *
Vendor number: 15005 CAMPBELL, DURRANT P.C										
01-10317-404 000000	LEGAL-OTHER	2022	74247	0	0	N	09/21/22	4,339.50		
Remarks: Labor and employment										
01-10317-404 000000	LEGAL-OTHER	2022	74941	0	0	N	09/21/22	2,802.50		
Remarks: Labor and employment										
Totals for vendor 15005										7,142.00 *

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Vendor number: 12951 CLARKE, LLC RUDOLPH									
01-10314-404 000000	LEGAL SERVICES	2022	SEPTEMBER 2022	0	0	N	09/21/22	10,500.00	
Remarks: Retainer									
Totals for vendor 12951									10,500.00 *
Vendor number: 12500 CLEAN MACHINE CARWASH									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	AUG/SEPT	84006	1	N	09/21/22	137.50	
Remarks: CAR WASHES									
Totals for vendor 12500									137.50 *
Vendor number: 100215 COLEMAN-MARTIN, LYNNETTE									
01-12410-362 000000	BUILDING PERMITS	2022	09132022	0	0	N	09/21/22	33.90	
Remarks: PERMIT REFUND-621 WANAMKER RD									
Totals for vendor 100215									33.90 *
Vendor number: 13433 COMCAST									
01-10450-454 000000	CONTRACTED SERVICES	2022	090822	80545	9	N	09/21/22	209.87	
Remarks: ALVERTHORPE PARK CONTROL~									
Totals for vendor 13433									209.87 *
Vendor number: 14978 COMCAST									
01-10450-430 000000	CONTRACTED SERVICES	2022	9/1/22	83971	1	N	09/16/22	149.48	
Remarks: PHONES									
Totals for vendor 14978									149.48 *
Vendor number: 5894 COMCAST CABLE									
01-10263-451 000000	COMPUTER EQUIPMENT/PARTS	2022	090922	80543	9	N	09/21/22	214.87	
Remarks: MONTHLY CABLE 515 MEETINGHOUSE~									
Totals for vendor 5894									214.87 *
Vendor number: 3261 CONROY'S CLEANING INC									
01-10450-409 000000	CONTRACTED SERVICES	2022	090622 TWP	83865	1	N	09/21/22	1,290.00	
Remarks: CLEANING SERVICE									
Totals for vendor 3261									1,290.00 *
Vendor number: 100219 COUNTY OF MONTGOMERY TREASURER									
01-15101-331 000000	COURT-VIDEO ARRAIGNMENT FEES	2022	9-12-2022	0	0	N	09/21/22	5,148.47	
Remarks: refund 5% 1/2020-5/2022									
Totals for vendor 100219									5,148.47 *
Vendor number: 12374 DELAWARE VALLEY NEGOT. ASSOC									
01-10460-410 000000	MEETINGS AND CONFERENCES	2022	061622	83943	1	Y	09/21/22	275.00	
Remarks: CNU membership renewals									

Totals for vendor 12374 275.00 *

Vendor number: 14961 EASTERN AUTO PARTS WAREHOUSE

01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	8917	83964	1	N	09/21/22	12.88	

Remarks: BRAKE HOSES FOR #328

Totals for vendor 14961 12.88 *

Vendor number: 100224 EMS PHYSICIAN PC

01-12360-310 000000	BUSINESS TAX REFUNDS	2022	BUS130086	0	0	N	09/20/22	854.00	

Remarks: REFUND BUSINESS TAX

Totals for vendor 100224 854.00 *

Vendor number: 419 FEDERAL EXPRESS

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-11215-406 000000	POSTAGE	2022	783065604	0	0	N	09/21/22	381.77	
Remarks: OVERNIGHT MAILING									
Totals for vendor 419									381.77 *
Vendor number: 13608 FISHER ACE HARDWARE									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	605	83975	1	N	09/21/22	34.52	
Totals for vendor 13608									34.52 *
Vendor number: 462 FRIENDS OF BRIAR BUSH									
01-10260-452 000000	SMALL TOOLS AND MINOR EQUIP	2022	ANIMALS 9/20/22	83989	1	N	09/20/22	295.19	
01-12210-452 000000	OFFICE SUPPLIES	2022	OFC 9/16/22	83986	1	N	09/16/22	87.97	
01-10247-452 000000	CULTURE-RECREATION SUPPLIES	2022	TENT 9/16/22	83987	1	N	09/16/22	476.40	
Totals for vendor 462									859.56 *
Vendor number: 512 GEPPERT INC. WILLIAM A									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	28670	83966	1	N	09/21/22	93.97	
Remarks: BLADES FOR P.W.									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	39640	83941	1	N	09/21/22	75.90	
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	40065	83951	1	N	09/21/22	51.90	
Totals for vendor 512									221.77 *
Vendor number: 3270 GROFF TRACTOR & EQUIP, INC.									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	9/14/22	83980	1	N	09/21/22	506.17	
Remarks: ROLLER PARTS / CREDIT									
Totals for vendor 3270									506.17 *
Vendor number: 7855 HARRIELLE EMBROIDERY, LTD.									
01-10238-410 000000	CLOTHING AND UNIFORMS	2022	19894	83721	1	N	09/21/22	2,360.00	
Remarks: ROC uniforms									
Totals for vendor 7855									2,360.00 *
Vendor number: 541 HIBBERT'S INC									
01-10342-452 000000	PRINTING	2022	024342	83988	1	N	09/16/22	487.00	
Totals for vendor 541									487.00 *
Vendor number: 10824 INTERSTATE BATTERY SYSTEM									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	3734	83957	1	N	09/21/22	158.85	
Remarks: BATTERIES									
Totals for vendor 10824									158.85 *
Vendor number: 3119 JOHN KENNEDY FORD JENKINTOWN									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	8/31/22	83954	1	N	09/21/22	607.43	
Remarks: FILTERS, HARNESS , PLUGS									

Totals for vendor 3119										607.43 *
Vendor number: 13194 LAYNE LABORATORIES, INC										
01-10260-452 000000	SMALL TOOLS AND MINOR EQUIP	2022	181195	83940	1	N	09/16/22	795.28		
Totals for vendor 13194										795.28 *
Vendor number: 100222 LEIGH K MCCULLOUGH										
01-12360-310 000000	BUSINESS TAX REFUNDS	2022	BUS134995	0	0	N	09/20/22	57.00		
Remarks: REFUND BUSINESS TAX										
Totals for vendor 100222										57.00 *
Vendor number: 3370 LESLIE'S POOLMART, INC.										

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10221-452 000000	CHEMICALS	2022	41673	83977	1	N	09/21/22	221.20	
Remarks: POOL CHEMICALS									
Totals for vendor 3370									221.20 *
Vendor number: 16830 LINDLEY TOWING									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	2312	83976	1	N	09/21/22	75.00	
Remarks: TOWING CHARGES									
Totals for vendor 16830									75.00 *
Vendor number: 5516 LOWE'S BUSINESS ACCOUNT									
01-10373-409 000000	BUILDING MAINTENANCE	2022	88472135	83869	1	N	09/21/22	74.98	
Remarks: REPAIRS TO TOWNSHIP BUILDING									
Totals for vendor 5516									74.98 *
Vendor number: 100223 MAN STEF INC - CHICKEN TIME									
01-12360-310 000000	BUSINESS TAX REFUNDS	2022	BUS091403	0	0	N	09/20/22	141.00	
Remarks: REFUND BUSINESS TAX									
Totals for vendor 100223									141.00 *
Vendor number: 8257 MCDONALD UNIFORMS									
01-10238-410 000000	CLOTHING AND UNIFORMS	2022	210477-01 MULT	83952	1	N	09/21/22	728.07	
Remarks: see attached list for invoice numbers									
Totals for vendor 8257									728.07 *
Vendor number: 14528 MONARCH BRANDS									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	5644-IN	83979	1	N	09/21/22	318.80	
Remarks: RAGS FOR SHOP									
Totals for vendor 14528									318.80 *
Vendor number: 11845 MOYER INDOOR/OUTDOOR									
01-10450-409 000000	CONTRACTED SERVICES	2022	SEE LIST	0	0	N	09/21/22	46.64	
Remarks: Pest control									
01-10373-410 000000	BUILDING MAINTENANCE	2022	SEE LIST	0	0	N	09/21/22	59.36	
Remarks: Pest control									
01-10450-430 000000	CONTRACTED SERVICES	2022	SEE LIST	0	0	N	09/21/22	59.36	
Remarks: Pest control									
01-10450-452 000000	CONTRACTED SERVICES	2022	SEE LIST	0	0	N	09/21/22	55.12	
Remarks: Pest control									
01-10450-452 000000	CONTRACTED SERVICES	2022	SEE LIST	0	0	N	09/21/22	40.28	
Remarks: Pest control									
01-10450-451 000000	CONTRACTED SERVICES	2022	SEE LIST	0	0	N	09/21/22	297.70	
Remarks: Pest control									
01-10450-451 000000	CONTRACTED SERVICES	2022	SEE LIST	0	0	N	09/21/22	33.92	
Remarks: Pest control									
Totals for vendor 11845									592.38 *

Vendor number: 16885 PENN- HOLO SALES & SERVICE

01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	36250	83885	1	N	09/14/22	149.57	

Remarks: CHAINSAW SHARPENING

Totals for vendor 16885 149.57 *

Vendor number: 100221 PENNSYLVANIA HEART & VASCULAR

01-12360-310 000000	BUSINESS TAX REFUNDS	2022	BUS095174	0	0	N	09/20/22	15,739.00	

Remarks: REFUND BUSINESS TAX

Totals for vendor 100221 15,739.00 *

Vendor number: 16899 PORT A BOWL RESTROOM CO.

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10450-451 000000	CONTRACTED SERVICES	2022	15714	81236	7	N	09/21/22	575.00	
Remarks: PORTABLE TOILET RENTALS~									
01-10450-451 000000	CONTRACTED SERVICES	2022	15714	0	0	N	09/21/22	47.92	
Remarks: PORTABLE TOILET RENTALS~									
Totals for vendor 16899									622.92 *
Vendor number: 15916 POSTAL SERVICE UNITED STATES									
01-11215-406 000000	POSTAGE	2022	SEPTEMBER 2022	0	0	N	09/21/22	3,000.00	
Remarks: Postage									
Totals for vendor 15916									3,000.00 *
Vendor number: 4032 PREMIUM CLEANING SERVICE CORP									
01-10450-452 000000	CONTRACTED SERVICES	2022	512372	83997	1	N	09/20/22	540.00	
Totals for vendor 4032									540.00 *
Vendor number: 996 SECOND ALARMERS ASSN									
01-10450-412 000000	CONTRACTED SERVICES	2022	SEPTEMBER 2022	0	0	N	09/21/22	15,625.00	
Remarks: Monthly service fee									
Totals for vendor 996									15,625.00 *
Vendor number: 4607 SHAPIRO FIRE PROTECTION CO									
01-10450-409 000000	CONTRACTED SERVICES	2022	18278	83913	1	N	09/21/22	920.22	
Remarks: ANNUAL MAINT. & INSPECITON OF PORTABLE FIRE EXTINGUISHERS									
Totals for vendor 4607									920.22 *
Vendor number: 15775 SPARKS INDUSTRIES									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	4053	84004	1	N	09/21/22	470.00	
Remarks: TOP SOIL									
Totals for vendor 15775									470.00 *
Vendor number: 8628 STAPLES									
01-12210-413 000000	OFFICE SUPPLIES	2022	3515179869	0	0	N	09/07/22	151.36	
Remarks: CODE SUPPLIES									
Totals for vendor 8628									151.36 *
Vendor number: 16813 SWIMOUTLET									
01-10247-452 000000	CULTURE-RECREATION SUPPLIES	2022	SO-20963259	82031	1	N	09/21/22	183.96	
Remarks: POOL FIRST AID KITS									
Totals for vendor 16813									183.96 *
Vendor number: 13361 Sensys Gatso Group									
01-10016-145 000000	ACCTS. REC.-RED LIGHT CAMERA	2022	JAN FEB MAR APR	0	0	N	09/21/22	168,000.00	
Remarks: Red Light Camera Jan to April 2021									

Totals for vendor 13361										168,000.00 *
Vendor number: 100220 THE CHOWNS GROUP LLC										
01-12360-310 000000	BUSINESS TAX REFUNDS	2022	BUS134641	0	0	N	09/20/22	655.00		
Remarks: REFUND BUSINESS TAX										
Totals for vendor 100220										655.00 *
Vendor number: 16916 THOMAS KATHLEEN M										
01-10317-403 000000	LEGAL-OTHER	2022	6-9	0	0	N	09/21/22	1,435.00		
Remarks: August Invoices #6-#9										
Totals for vendor 16916										1,435.00 *
Vendor number: 100148 TIOGA FUEL COMPANY										

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10230-451 000000	HEATING FUEL	2022	123867	82802	1	N	09/21/22	1,586.76	
Remarks: MAINTENANCE GARAGE HEATING FUEL									
01-10230-451 000000	HEATING FUEL	2022	12544	82800	1	N	09/21/22	212.40	
Remarks: ROYCHESTER HEATING FUEL									
01-10230-451 000000	HEATING FUEL	2022	13065	82806	1	N	09/21/22	398.64	
Remarks: MEETINGHOUSE RD HEATING FUEL									
01-10230-451 000000	HEATING FUEL	2022	13146	82804	1	N	09/21/22	404.53	
Remarks: MAINTENANCE GARAGE HEATING FUEL									
01-10230-451 000000	HEATING FUEL	2022	13191	82799	1	N	09/21/22	713.98	
Remarks: ROYCHESTER HEATING FUEL									
01-10230-451 000000	HEATING FUEL	2022	13866	83985	1	N	09/21/22	262.09	
Remarks: 431 HOUSTON AVE HEATING FUEL									
01-10230-451 000000	HEATING FUEL	2022	14734	83983	1	N	09/21/22	366.53	
Remarks: 431 HOUSTON AVE HEATING FUEL									
01-10230-451 000000	HEATING FUEL	2022	14770	83981	1	N	09/21/22	514.54	
Remarks: 2160 WOODLAND AVE HEATING FUEL									
01-10230-451 000000	HEATING FUEL	2022	4578	83984	1	N	09/21/22	979.94	
Remarks: ROYCHESTER HEAING FUEL									
Totals for vendor 100148									5,439.41 *
Vendor number: 15153 TIREHUB, LLC									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	3883	84010	1	N	09/21/22	1,430.40	
Remarks: POLICE TIRES									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	3883	0	0	N	09/21/22	1,078.92	
Remarks: POLICE TIRES									
Totals for vendor 15153									2,509.32 *
Vendor number: 15794 TRAFFIC SAFETY STORE									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	5385	83973	1	N	09/21/22	1,542.19	
Remarks: TRAFFIC CONES									
Totals for vendor 15794									1,542.19 *
Vendor number: 8170 TRIAD TRUCK EQUIPMENT INC									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	9274,3270	84007	1	N	09/21/22	162.00	
Remarks: ALUMINUM CHAIN EYES									
Totals for vendor 8170									162.00 *
Vendor number: 495 UNITED PARCEL SERVICE									
01-11215-406 000000	POSTAGE	2022	F11R79372	0	0	N	09/21/22	19.30	
Remarks: OVERNIGHT MAILING									
Totals for vendor 495									19.30 *
Vendor number: 15874 UNITEDHEALTHCARE									
01-12196-487 000000	MEDICAL BENEFITS	2022	OCTOBER 2022	0	0	N	09/21/22	90.31	
Remarks: October Health Insurance									
Totals for vendor 15874									90.31 *

Vendor number: 14709 VECTOR SECURITY										
01-10450-452 000000	CONTRACTED SERVICES	2022	70546324	83963	1	N	09/16/22	95.74		
Totals for vendor 14709										95.74 *
Vendor number: 4072 VERIZON										
01-10321-406 000000	TELEPHONE MONTHLY CHARGES	2022	OCT 2022	0	0	N	09/21/22	70.11		
Remarks: Conduit Line										
Totals for vendor 4072										70.11 *
Vendor number: 13436 VERIZON										
01-10321-451 000000	TELEPHONE MONTHLY CHARGES	2022	091222	80546	6	N	09/21/22	21.21		
Remarks: ALVERTHORPE MANOR PHONE~										

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10321-451 000000	TELEPHONE MONTHLY CHARGES	2022	091222	80546	7	N	09/21/22	7.31	
Remarks: ALVERTHORPE MANOR PHONE~									
01-10321-451 000000	TELEPHONE MONTHLY CHARGES	2022	091222	80546	8	N	09/21/22	3.98	
Remarks: ALVERTHORPE MANOR PHONE~									
Totals for vendor 13436									32.50 *
Vendor number: 7500 VILE SUSAN ELIZABETH									
01-10450-406 000000	CONTRACTED SERVICES	2022	AUG 30, 2022	0	0	N	09/21/22	168.75	
Remarks: Finance Committee									
01-10450-406 000000	CONTRACTED SERVICES	2022	PC 8-18-2022	0	0	N	09/16/22	180.00	
Remarks: Pension Committee Meeting 8/18/2022									
Totals for vendor 7500									348.75 *
Totals for fund 1									270,351.63 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 2 Sewer Fund									
Vendor number: 7884 AIRGAS USA, LLC									
02-10450-429 000000	CONTRACTED SERVICES	2022	9990662840	83933	1	N	09/21/22	82.00	
Remarks: WELDING GAS BOTTLE RENTALS									
Totals for vendor 7884									82.00 *
Vendor number: 2053 ANALYTICAL LABORATORIES, INC.									
02-10450-429 000000	CONTRACTED SERVICES	2022	067822	83934	1	N	09/21/22	985.00	
Remarks: LABORATORY ANALYTICAL TESTING									
Totals for vendor 2053									985.00 *
Vendor number: 15971 APS									
02-10374-429 000000	MACHINERY AND EQUIPMENT MAINT.	2022	MARCH 2022	0	0	N	09/21/22	44.23	
Remarks: Equipment repair and maintenance									
Totals for vendor 15971									44.23 *
Vendor number: 1308 CITY OF PHILA/WATER DEPT									
02-11530-429 000000	PAYMENT TO OTHER GOVERNMENTS	2022	001622082	83855	1	N	09/21/22	142,264.65	
Remarks: MONTHLY ESTIMATED SEWER FEES FOR J3RD QUATER ULY 2022									
Totals for vendor 1308									142,264.65 *
Vendor number: 13608 FISHER ACE HARDWARE									
02-10260-429 000000	SMALL TOOLS AND MINOR EQUIP	2022	010572	83857	1	N	09/21/22	18.29	
Remarks: AKLAINE C BATTERIES & WASP SPRAY									
02-12210-429 000000	OFFICE SUPPLIES	2022	010599	83858	1	N	09/21/22	9.30	
Remarks: LEGAL PADS AND INDEX CARDS									
Totals for vendor 13608									27.59 *
Vendor number: 16812 KENDALL ELECTRIC INC									
02-10374-429 000000	MACHINERY AND EQUIPMENT MAINT.	2022	S111998441.001	83932	1	N	09/21/22	477.66	
Remarks: 1 HP LEESON ELECTRIC MOTOR									
02-10374-429 000000	MACHINERY AND EQUIPMENT MAINT.	2022	S111998441.003	83929	1	N	09/21/22	42.15	
Remarks: MOTOR COUPLING & SPROCKET									
02-10374-429 000000	MACHINERY AND EQUIPMENT MAINT.	2022	S111998441.005	83931	1	N	09/21/22	66.80	
Remarks: BALL BEARINGS									
02-10374-429 000000	MACHINERY AND EQUIPMENT MAINT.	2022	S111998441.007	83930	1	N	09/21/22	72.43	
Remarks: MECHANICAL SEAL & RUBBER WASHERS									
Totals for vendor 16812									659.04 *
Vendor number: 11845 MOYER INDOOR/OUTDOOR									
02-10450-429 000000	CONTRACTED SERVICES	2022	SEE LIST	0	0	N	09/21/22	119.78	
Remarks: Pest control									
Totals for vendor 11845									119.78 *

Vendor number: 8278 MSC INDUSTRIAL SUPPLY COMPANY									
	02-10260-429 000000	SMALL TOOLS AND MINOR EQUIP	20	5229596	83853	1	N	09/21/22	20.89
Remarks: PILLOW BLOCK BALL BEARINGS									
	02-10260-429 000000	SMALL TOOLS AND MINOR EQUIP	2022	34631246	83990	1	N	09/21/22	170.88
Remarks: GREEN MARKING PAINT									
Totals for vendor 8278									191.77 *
Vendor number: 8608 NELSON CONSULTING SERVICE MIKE									
	02-10460-429 000000	MEETINGS AND CONFERENCES	2022	08082022	83859	1	N	09/21/22	1,800.00
Remarks: COLLECTION SYSTEM OPERATOR TRAINING									
Totals for vendor 8608									1,800.00 *
Vendor number: 8842 POLYDYNE INC.									

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
02-10221-429 000000	CHEMICALS	2022	1674537	83993	1	N	09/21/22	5,351.06	
Remarks: CLAIFLOC MA-17 POLYMER									
Totals for vendor 8842									5,351.06 *
Vendor number: 10046 REIDER ASSOCIATES, INC. M.J.									
02-10450-429 000000	CONTRACTED SERVICES	2022	22H0016	83854	1	N	09/21/22	2,043.00	
Remarks: LAB TESTING FOR NPDES PERMIT FOR JUNE 2022									
Totals for vendor 10046									2,043.00 *
Vendor number: 13523 RUBBER SUPPLY CO., INC.									
02-10260-429 000000	SMALL TOOLS AND MINOR EQUIP	2022	11009189-01	83861	1	N	09/21/22	156.86	
Remarks: RUBBER HOSE CONNECTORS									
Totals for vendor 13523									156.86 *
Vendor number: 8699 SUBURBAN TESTING LABS									
02-10450-429 000000	CONTRACTED SERVICES	2022	2H06713	83935	1	N	09/21/22	140.00	
Remarks: LABORATORY ANALYSIS									
Totals for vendor 8699									140.00 *
Totals for fund 2									153,864.98 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 3 Fire Services Fund									
Vendor number: 12834 MCANENEY TOM									
03-10460-411 000000	MEETINGS AND CONFERENCES	2022	REIMBURSEMENT	0	0	N	09/21/22	3,379.92	
Remarks: Conference Reimbursement									
Totals for vendor 12834									3,379.92 *
Totals for fund 3									3,379.92 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 4 Grant and Special ProjectsFund									
Vendor number: 100218 Engineering Land Planning Asso									
04-10720-452-AR2171	IMPROV. OTHER THAN BUILDINGS	2022	34673	0	0	N	09/21/22	9,212.50	
Remarks: 03-22032:00 ABINGTON INCLUSIVE PLAYGROUND									
Totals for vendor 100218									9,212.50 *
Vendor number: 16812 KENDALL ELECTRIC INC									
04-10740-429-AR2129	MACHINERY	2022	S111964720.001	83552	1	N	09/21/22	10,930.81	
Remarks: TECO 75HP ELECTRIC MOTOR									
Totals for vendor 16812									10,930.81 *
Totals for fund 4									20,143.31 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 9 Refuse Fund									
Vendor number: 8543 COMCAST CABLE									
09-10450-427-000000	CONTRACTED SERVICES	2022	082522 0123066	83938	1	N	09/21/22	128.39	
Remarks: Cable service 995 Fitzwatertown Rd									
Totals for vendor 8543									128.39 *
Vendor number: 13388 COVANTA ENERGY, LLC									
09-10450-427-000000	CONTRACTED SERVICES	2022	412225ABING	83939	1	N	09/21/22	111,773.07	
Remarks: Municipal Solid Waste Aug 2022									
Totals for vendor 13388									111,773.07 *
Vendor number: 11845 MOYER INDOOR/OUTDOOR									
09-10450-427-000000	CONTRACTED SERVICES	2022	254999-5	0	0	N	09/21/22	130.00	
Remarks: Refuse pest									
09-10450-427-000000	CONTRACTED SERVICES	2022	SEE LIST	0	0	N	09/21/22	48.76	
Remarks: Pest control									
Totals for vendor 11845									178.76 *
Vendor number: 962 PRIMEX CENTERS, INC.									
09-10374-427-000000	MACHINERY AND EQUIPMENT MAINT.	2022	2-263181	83937	1	N	09/21/22	252.00	
Remarks: Hay for Transfer Station									
Totals for vendor 962									252.00 *
Totals for fund 9									112,332.22 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 18 Capital Projects Fund									
Vendor number: 15971 APS									
18-10740-430-220029	MACHINERY	2022	MARCH 2022	0	0	N	09/21/22	111.14	
Remarks: Equipment repair and maintenance									
Totals for vendor 15971									111.14 *
Vendor number: 7484 EAGLE TRUCK EQUIPMENT									
18-10740-430-220029	MACHINERY	2022	22492	83845	1	N	09/21/22	2,247.85	
Remarks: REPAIR OF FLAIL									
Totals for vendor 7484									2,247.85 *
Vendor number: 7644 KENNAMETAL, INC.									
18-10740-430-220029	MACHINERY	2022	23041	83883	1	N	09/21/22	3,785.75	
Remarks: GRINDER TIPS									
18-10740-430-220029	MACHINERY	2022	23050	83884	1	N	09/21/22	3,447.75	
Remarks: TOOTH HOLDERS FOR MILLING MACHINE									
Totals for vendor 7644									7,233.50 *
Vendor number: 1189 PENNONI ASSOCIATES INC.									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1116841	0	0	N	09/21/22	1,917.50	
Remarks: 1603 & 1617 OLD YORK ROAD DJS BLDG									
Totals for vendor 1189									1,917.50 *
Vendor number: 15124 SHECHTMAN TREE CARE, LLC									
18-10660-454-220055	PROFESSIONAL FEES	2022	27814	83671	1	N	09/21/22	2,780.00	
Remarks: TREE REMOVAL ALVERTHORPE MANOR									
Totals for vendor 15124									2,780.00 *
Vendor number: 10627 TRAFFIC PLANNING & DESIGN INC									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	TPD31360	0	0	N	09/15/22	2,372.50	
Remarks: SISTERS OF ST BASIL ACTIVE ADULT COMMUNITY									
Totals for vendor 10627									2,372.50 *
Totals for fund 18									16,662.49 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 23 Debt Service Fund									
Vendor number: 16574 DE LAGE LANDEN									
23-36100-471 000000	BOND/NOTE DEBT PRINCIPAL	2022	775651149	0	0	N	09/21/22	149.00	
Remarks: Parks lease									
Totals for vendor 16574									149.00 *
Vendor number: 16748 LEAF									
23-10384-471 000000	RENT OF MACHINERY/EQUIPMENT	2022	SEPTEMBER 2022	0	0	N	09/21/22	105.00	
Remarks: Twp Copiers									
Totals for vendor 16748									105.00 *
Totals for fund 23									254.00 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 35 Highway Aid Fund									
Vendor number: 1889 PECO ENERGY									
35-10361-433-000000	ELECTRIC AND GAS	2022	AUGUST 2022 -1	0	0	N	09/21/22	9.03	
Remarks: Traffic light-Shelmire									
Totals for vendor 1889									9.03 *
Totals for fund 35									9.03 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 70 OPEB Fund									
Vendor number: 14462 Aileen Kelly									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	148.50	
Remarks: September Reimbursement									
Totals for vendor 14462									148.50 *
Vendor number: 8319 Allen Boerner									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 8319									170.10 *
Vendor number: 16294 Ann Whitney									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	144.60	
Remarks: September Reimbursement									
Totals for vendor 16294									144.60 *
Vendor number: 9840 Anthony Ciliberto									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	146.10	
Remarks: September Reimbursement									
Totals for vendor 9840									146.10 *
Vendor number: 1941 Anthony Cristaldi									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 1941									170.10 *
Vendor number: 12622 Barbara Clark									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 12622									170.10 *
Vendor number: 9673 Bruce Dean									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 9673									170.10 *
Vendor number: 1596 Bruce Haslam									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	442.30	
Remarks: September Reimbursement									
Totals for vendor 1596									442.30 *
Vendor number: 16295 Bruce Mouat									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	

Remarks: September Reimbursement

Totals for vendor 16295 170.10 *

Vendor number: 11932 Carol Ridge

70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	148.50

Remarks: September Reimbursement

Totals for vendor 11932 148.50 *

Vendor number: 3941 Charles Clark

70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10

Remarks: September Reimbursement

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 3941									170.10 *
Vendor number: 15324 Cheryl McNamara									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 15324									170.10 *
Vendor number: 14798 Christine McCreary									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 14798									170.10 *
Vendor number: 1030 David Tomlinson									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 1030									170.10 *
Vendor number: 15294 Donna Kelly									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 15294									170.10 *
Vendor number: 100016 Donna Myers									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 100016									170.10 *
Vendor number: 15653 Elizabeth Clark									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 15653									170.10 *
Vendor number: 12174 Georgianna Rice									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 12174									170.10 *
Vendor number: 6154 Gerald Kelly									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 6154									170.10 *
Vendor number: 3953 Glenn Davis									

	70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks:	September Reimbursement									
	Totals for vendor 3953									170.10 *
	Vendor number: 16411 James Leary									
	70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	148.50	
Remarks:	September Reimbursement									
	Totals for vendor 16411									148.50 *
	Vendor number: 15293 Jmaes Hurtado									
	70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	148.50	
Remarks:	September Reimbursement									

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 15293									148.50 *
Vendor number: 14460 Joann Mann									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 14460									170.10 *
Vendor number: 2776 John Archie									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	177.30	
Remarks: September Reimbursement									
Totals for vendor 2776									177.30 *
Vendor number: 12984 John Creedan									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 12984									170.10 *
Vendor number: 14871 John Livingood									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 14871									170.10 *
Vendor number: 1805 John Parks									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 1805									170.10 *
Vendor number: 5785 John Thompson									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	144.60	
Remarks: September Reimbursement									
Totals for vendor 5785									144.60 *
Vendor number: 1618 Joseph Conover									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	202.00	
Remarks: September Reimbursement									
Totals for vendor 1618									202.00 *
Vendor number: 8918 Joseph Quinn									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 8918									170.10 *
Vendor number: 16876 Kathleen Tomlinson									

70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	

Remarks: September Reimbursement

Totals for vendor 16876 170.10 *

Vendor number: 9404 Kathryn Lamphere

70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	

Remarks: September Reimbursement

Totals for vendor 9404 170.10 *

Vendor number: 14873 Kenneth Clark

70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	

Remarks: September Reimbursement

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 14873									170.10 *
Vendor number: 943 Kenneth Stein									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	121.80	
Remarks: September Reimbursement									
Totals for vendor 943									121.80 *
Vendor number: 5904 Kevin McCreary									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 5904									170.10 *
Vendor number: 2273 Louis Clewell									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	148.50	
Remarks: September Reimbursement									
Totals for vendor 2273									148.50 *
Vendor number: 14489 Madeline Milletti									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 14489									170.10 *
Vendor number: 14248 Margaet Creedan									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 14248									170.10 *
Vendor number: 10406 Margaret Archie									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 10406									170.10 *
Vendor number: 4527 Marie l Trudeau									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	104.90	
Remarks: September Reimbursement									
Totals for vendor 4527									104.90 *
Vendor number: 14474 Mary Conover									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	202.00	
Remarks: September Reimbursement									
Totals for vendor 14474									202.00 *
Vendor number: 11622 Mary Darcy									

70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	

Remarks: September Reimbursement

Totals for vendor 11622 170.10 *

Vendor number: 14872 MaryJane Livingood

70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	

Remarks: September Reimbursement

Totals for vendor 14872 170.10 *

Vendor number: 7364 Maryann Thompson

70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	144.60	

Remarks: September Reimbursement

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 7364									144.60 *
Vendor number: 12163 Melvin Rice									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 12163									170.10 *
Vendor number: 10130 Michael Evangelista									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	191.70	
Remarks: September Reimbursement									
Totals for vendor 10130									191.70 *
Vendor number: 13417 Michael Miletto									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 13417									170.10 *
Vendor number: 13128 Nancy Davis									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	156.10	
Remarks: September Reimbursement									
Totals for vendor 13128									156.10 *
Vendor number: 14159 Nancy O'Connor									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	135.50	
Remarks: September Reimbursement									
Totals for vendor 14159									135.50 *
Vendor number: 10954 Nancy Quinn									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 10954									170.10 *
Vendor number: 13756 Patricia Stein									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	134.00	
Remarks: September Reimbursement									
Totals for vendor 13756									134.00 *
Vendor number: 10226 Paul Myers									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 10226									170.10 *
Vendor number: 15292 Peter Hasson									

70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	

Remarks: September Reimbursement

Totals for vendor 15292 170.10 *

Vendor number: 2538 Phillip Ridge

70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	148.50	

Remarks: September Reimbursement

Totals for vendor 2538 148.50 *

Vendor number: 11179 Regina Holt

70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	

Remarks: September Reimbursement

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 11179									170.10 *
Vendor number: 4091 Robert Lamphere									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 4091									170.10 *
Vendor number: 15720 Robert Mann									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 15720									170.10 *
Vendor number: 1683 Ronald Trudeau									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	104.90	
Remarks: September Reimbursement									
Totals for vendor 1683									104.90 *
Vendor number: 8164 Sonja Boerner									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 8164									170.10 *
Vendor number: 11772 Thomas Darcy									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 11772									170.10 *
Vendor number: 14908 Thomas McNamara									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 14908									170.10 *
Vendor number: 15874 UNITEDHEALTHCARE									
70-12196-488-000000	MEDICAL BENEFITS	2022	OCTOBER 2022	0	0	N	09/21/22	7,372.67	
Remarks: October Health Insurance									
70-12196-488-000000	MEDICAL BENEFITS	2022	OCTOBER 2022	0	0	N	09/21/22	14,806.62	
Remarks: October Health Insurance									
Totals for vendor 15874									22,179.29 *
Vendor number: 11838 Virginai Evangelista									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	191.70	
Remarks: September Reimbursement									
Totals for vendor 11838									191.70 *

Vendor number: 12623 Virginia Ciliberto									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	170.10	
Remarks: September Reimbursement									
Totals for vendor 12623									170.10 *
Vendor number: 107 William Holt									
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	158.10	
Remarks: September Reimbursement									
Totals for vendor 107									158.10 *
Vendor number: 14739 William Kelly									

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
70-10196-488-000000	MEDICAL REIMBURSEMENT	2022	44824	0	0	N	09/20/22	148.50	
Remarks: September Reimbursement									
Totals for vendor 14739									148.50 *
Totals for fund 70									33,095.09 **
Grand totals									610,092.67 ***

*** End of Report ***

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
Checks for Cash Account: 99-10090-000 000000						
76669	100227	Danielle Houston	67.94	09/29/22		
76670	100228	DAVID SCHMAUK	500.00	09/29/22		
76671	1224	EDGE HILL FIRE COMPANY	86,891.34	09/29/22		
76672	100225	GateHouse Media PA Holdings	479.68	09/29/22		
76673	100147	PAVEMENT MAINTENANCE CONT. INC	52,335.00	09/29/22		
76674	100138	PREMIER BUILDERS INC	58,093.38	09/29/22		
76675	100217	TANNERS EQUIPMENT	500.00	09/29/22		
76676	100032	Verizon Wireless- VSAT	80.00	09/29/22		
76677	100070	Water Supply Innovations, LLC	3,979.00	09/29/22		
76678	907	21ST CENTURY MEDIA	844.15	09/29/22		
76679	1225	ABINGTON FIRE COMPANY	86,891.34	09/29/22		
76680	1306	ABINGTON TWP PUBLIC LIBRARY	2,380.00	09/29/22		
76681	15	ACCU-WEATHER INC.	2,327.59	09/29/22		
76682	15969	AMAZON	71.68	09/29/22		
76683	15971	APS	1,749.98	09/29/22		
76684	5812	AQUA PENNSYLVANIA	110.50	09/29/22		
76685	5813	AQUA PENNSYLVANIA	206.31	09/29/22		
76686	5814	AQUA PENNSYLVANIA	25.86	09/29/22		
76687	5815	AQUA PENNSYLVANIA	213.32	09/29/22		
76688	5822	AQUA PENNSYLVANIA	20.77	09/29/22		
76689	15814	AQUA PENNSYLVANIA	21.91	09/29/22		
76690	309	ARDEX LABORATORIES, INC.	914.16	09/29/22		
76691	321	ARTISTIC SCREEN DESIGNS	1,340.00	09/29/22		
76692	8186	ASPHALT CARE EQUIP/SUPPLY INC	1,154.94	09/29/22		
76693	16873	AT&T	70.00	09/29/22		
76694	825	BERGEY'S INC.	65.39	09/29/22		
76695	11962	BERKHEIMER	222.00	09/29/22		
76696	7170	BERKHEIMER TAX ADMINISTRATOR	17,489.93	09/29/22		
76697	7829	BIASE LANDSCAPING LLC	2,111.72	09/29/22		
76698	13182	BOSTON MUTUAL LIFE INSURANCE	14,218.54	09/29/22		
76699	15145	BTC FOODS, INC	781.60	09/29/22		
76700	14962	CASALINA JOSE	75.00	09/29/22		
76701	15889	CHAPMAN FORD OF HORSHAM	500.00	09/29/22		
76702	8363	CODE INSPECTIONS INC	292.50	09/29/22		
76703	13773	COLLIFLOWER, INC.	301.50	09/29/22		
76704	13612	COMCAST	21.00	09/29/22		
76705	14883	COMCAST	464.35	09/29/22		
76706	14979	COMCAST	3,706.87	09/29/22		
76707	5860	COMCAST CABLE	214.87	09/29/22		
76708	7316	COMCAST CABLE	126.85	09/29/22		
76709	7317	COMCAST CABLE	126.85	09/29/22		
76710	8182	COMCAST CABLE	409.32	09/29/22		
76711	9245	COMCAST CABLE	88.40	09/29/22		
76712	15313	COMCAST CABLE	54.80	09/29/22		
76713	15405	DE LAGE LANDEN FINANCIAL	143.00	09/29/22		ACH

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
76714	978	ELY ASSOCIATES, INC. GEORGE	38,022.00	09/29/22		
76715	419	FEDERAL EXPRESS	58.72	09/29/22		
76716	8830	FERGUSON ENTERPRISES LLC	50.62	09/29/22		
76717	970	FIDELIO INSURANCE CO.	10,531.03	09/29/22		
76718	13608	FISHER ACE HARDWARE	24.81	09/29/22		
76719	512	GEPPERT INC. WILLIAM A	559.51	09/29/22		
76720	1069	GLENSIDE LAWN & GARDEN, INC.	22,500.00	09/29/22		
76721	1110	GRAINGER, INC.	430.50	09/29/22		
76722	8079	GRECO CUSTOM CARPENTRY INC	Void - Overflow	09/29/22		ACH
76723	8079	GRECO CUSTOM CARPENTRY INC	1,380.00	09/29/22		ACH
76724	16227	HANES LAURA	75.00	09/29/22		
76725	541	HIBBERT'S INC	36.50	09/29/22		
76726	4507	HIGHWAY MATERIALS, INC.	850.04	09/29/22		
76727	851	HOME DEPOT CREDIT SERVICES	663.70	09/29/22		
76728	16911	HUXWRX SAFETY CO	897.50	09/29/22		
76729	10249	ITSAVVY LLC	308.39	09/29/22		ACH
76730	15322	JOHNSTONE SUPPLY	577.70	09/29/22		
76731	12868	KELLER, INC. CHARLES G.	1,400.00	09/29/22		
76732	9745	KLINE STEVEN	75.00	09/29/22		
76733	16479	KUHLS LAW	9,152.50	09/29/22		
76734	5213	LAND MOBILE CORP	145.65	09/29/22		
76735	9843	LAUREL HILL GARDENS	395.87	09/29/22		
76736	16431	LEAF	209.00	09/29/22		
76737	12361	LIBERTY PRODUCTS GROUP, INC	54.00	09/29/22		
76738	5516	LOWE'S BUSINESS ACCOUNT	133.13	09/29/22		
76739	8257	MCDONALD UNIFORMS	1,715.83	09/29/22		
76740	1226	MCKINLEY FIRE CO	86,891.34	09/29/22		ACH
76741	3690	METRO ELEVATOR CO., INC.	31.98	09/29/22		
76742	8600	MILITIA HILL SECURITY, INC	360.00	09/29/22		
76743	928	MUNICIPAL SUPPLY CO.,INC U.S.	3,213.20	09/29/22		
76744	1034	NAPA AUTO PARTS	333.15	09/29/22		
76745	12333	NUCHEM CORP.	326.11	09/29/22		
76746	13035	O'CONNOR MICHAEL	75.00	09/29/22		
76747	15191	PA TURNPIKE TOLL BY PLATE	6.30	09/29/22		
76748	1189	Pennoni	Void - Overflow	09/29/22		
76749	1189	Pennoni	Void - Overflow	09/29/22		
76750	1189	Pennoni	Void - Overflow	09/29/22		
76751	1189	Pennoni	49,065.77	09/29/22		
76752	16425	PECO	612.44	09/29/22		
76753	3216	PECO ENERGY COMPANY	21,147.52	09/29/22		
76754	1189	PENNONI ASSOCIATES INC.	64.50	09/29/22		
76755	12563	PETROLEUM TRADERS CORPORATION	17,530.19	09/29/22		ACH
76756	15683	PLATELOGIQ	4,781.00	09/29/22		
76757	15550	PLATZ CHRISTOPHER	133.90	09/29/22		
76758	962	PRIMEX CENTERS, INC.	84.60	09/29/22		
76759	9600	PROSHRED SECURITY	110.00	09/29/22		

Check Register

Check Number	Vendor Number	Vendor Name	Check Amount	Check Date	BW	Check Type
76760	12992	READY REFRESH	224.71	09/29/22		
76761	10046	REIDER ASSOCIATES, INC. M.J.	1,798.10	09/29/22		ACH
76762	1227	ROSLYN FIRE COMPANY	86,891.34	09/29/22		ACH
76763	981	ROSLYN SUPPLY-GULFEAGLE 103	1,363.91	09/29/22		
76764	10044	SANDS ROBERT	108.36	09/29/22		
76765	53	SAXON OFFICE TECHNOLOGY, INC.	752.00	09/29/22		
76766	701	SECURITY ON LINE SYSTEMS INC	698.00	09/29/22		
76767	1882	SHERWIN WILLIAMS CO.	80.94	09/29/22		
76768	5053	SIGMA CONTROLS,INC.	461.74	09/29/22		
76769	175	SOUTHEASTERN PENNSYLVANIA	150.00	09/29/22		
76770	8628	STAPLES	57.47	09/29/22		
76771	5748	SYNAGRO TECHNOLOGIES INC	5,347.32	09/29/22		ACH
76772	13202	TB PHILLY, INC	322.50	09/29/22		
76773	14294	THE PENNSYLVANIA STATE UNI	40.00	09/29/22		
76774	15794	TRAFFIC SAFETY STORE	418.42	09/29/22		
76775	9997	UNIVAR USA INC.	2,035.00	09/29/22		
76776	1028	VAN'S LOCK SHOP, INC	10.50	09/29/22		ACH
76777	112	VERIZON	125.40	09/29/22		
76778	14496	VERIZON	149.98	09/29/22		
76779	7500	VILE SUSAN ELIZABETH	461.25	09/29/22		ACH
76780	15497	VIMCO	1,288.80	09/29/22		
76781	4686	VIMCO INC	687.00	09/29/22		
76782	1223	WELDON FIRE COMPANY	86,891.34	09/29/22		ACH
76783	16779	WITT O'BRIEN'S, LLC	263.00	09/29/22		ACH
76784	11940	XYLEM WATERING SOLUTIONS, INC.	10,496.14	09/29/22		

Check totals:	530,904.79
ACH totals:	287,915.77
EFTPS totals:	
Wire transfer totals:	
Payment Manager totals:	
GRAND TOTALS	818,820.56

Check totals:	530,904.79
ACH totals:	287,915.77
EFTPS totals:	
Wire transfer totals:	
Payment Manager totals:	
GRAND TOTALS	818,820.56

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 1 General Fund									
Vendor number: 907 21ST CENTURY MEDIA									
01-10450-413 000000	CONTRACTED SERVICES	2022	2370815	0	0	N	09/28/22	844.15	
Remarks: Zone Ad									
Totals for vendor 907									844.15 *
Vendor number: 1225 ABINGTON FIRE COMPANY									
01-16200-252 000000	DEFERRED REVENUE-OTHER	2022	9-22-2022	0	0	N	09/28/22	86,891.34	
Remarks: 2022 Fire Relief Payment									
Totals for vendor 1225									86,891.34 *
Vendor number: 1306 ABINGTON TWP PUBLIC LIBRARY									
01-10532-456 000000	ADULT LITERACY PROGRAM	2022	LITERACY SEPT	0	0	N	09/28/22	2,380.00	
Remarks: Adult Literacy for September									
Totals for vendor 1306									2,380.00 *
Vendor number: 15 ACCU-WEATHER INC.									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	042009	84041	1	N	09/28/22	2,327.59	
Remarks: SNOW WARNING									
Totals for vendor 15									2,327.59 *
Vendor number: 15969 AMAZON									
01-12210-410 000000	OFFICE SUPPLIES	2022	1DWVFXCCHH7	84028	1	N	09/28/22	60.53	
Remarks: clocks and 2023 stickers									
01-12210-410 000000	OFFICE SUPPLIES	2022	1WCVKV37D69L	84030	1	N	09/28/22	11.15	
Remarks: graph paper steno notebooks									
Totals for vendor 15969									71.68 *
Vendor number: 15971 APS									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	9/12-9/16	84045	1	N	09/28/22	1,749.98	
Remarks: DOLLY FOR TRUCKS, CRANK CASE FILTER									
Totals for vendor 15971									1,749.98 *
Vendor number: 5812 AQUA PENNSYLVANIA									
01-10366-409 000000	WATER SERVICE	2022	SEPTEMBER 2022	0	0	N	09/28/22	110.50	
Remarks: 000128385 0128385									
Totals for vendor 5812									110.50 *
Vendor number: 5813 AQUA PENNSYLVANIA									
01-10366-409 000000	WATER SERVICE	2022	SEPTEMBER 2022	0	0	N	09/28/22	206.31	
Remarks: Twp 000128446 0128446									
Totals for vendor 5813									206.31 *

Vendor number: 5814 AQUA PENNSYLVANIA
01-10366-409 000000 WATER SERVICE 2022 SEPTEMBER 2022 0 0 N 09/28/22 25.86
Remarks: 166 Old York Rd

Totals for vendor 5814 25.86 *

Vendor number: 5815 AQUA PENNSYLVANIA
01-10366-430 000000 WATER SERVICE 2022 9/16/22 84106 1 N 09/28/22 213.32
Remarks: WATER BILL 9/16/22

Totals for vendor 5815 213.32 *

Vendor number: 5822 AQUA PENNSYLVANIA
01-10366-451 000000 WATER SERVICE 2022 091422 84060 1 N 09/28/22 20.77
Remarks: WATER 1059 JENKINTOWN RD

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 5822									20.77 *
Vendor number: 15814 AQUA PENNSYLVANIA									
01-10366-409 000000	WATER SERVICE	2022	SEPT 2022	0	0	N	09/28/22	21.91	
Remarks: War Mem 000128385 1473368									
Totals for vendor 15814									21.91 *
Vendor number: 309 ARDEX LABORATORIES, INC.									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	2370054-IN	84076	1	N	09/28/22	457.08	
Remarks: DEGREASER									
Totals for vendor 309									457.08 *
Vendor number: 321 ARTISTIC SCREEN DESIGNS									
01-10238-454 000000	CLOTHING AND UNIFORMS	2022	22-2375	83743	1	N	09/28/22	1,340.00	
Remarks: STAFF UNIFORMS									
Totals for vendor 321									1,340.00 *
Vendor number: 8186 ASPHALT CARE EQUIP/SUPPLY INC									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	131441	84118	1	N	09/28/22	734.75	
Remarks: RISERS									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	131442, 125806	84031	1	N	09/28/22	420.19	
Remarks: STREET BROOMS									
Totals for vendor 8186									1,154.94 *
Vendor number: 16873 AT&T									
01-10241-410 000000	GENERAL GOVERNMENT SUPPLIES	2022	437138	84067	1	N	09/28/22	70.00	
Remarks: phone data									
Totals for vendor 16873									70.00 *
Vendor number: 825 BERGEY'S INC.									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	9/22	84081	1	N	09/28/22	65.39	
Remarks: purchases, credits									
Totals for vendor 825									65.39 *
Vendor number: 11962 BERKHEIMER									
01-48000-219 000000	LST TAX PAYABLE	2022	3RD QTR	0	0	N	09/28/22	222.00	
Remarks: LST Withholding									
Totals for vendor 11962									222.00 *
Vendor number: 7170 BERKHEIMER TAX ADMINISTRATOR									
01-10450-403 000000	CONTRACTED SERVICES	2022	236	0	0	N	09/14/22	17,489.93	
Remarks: August 2022 Commission									
Totals for vendor 7170									17,489.93 *

Vendor number: 7829 BIASE LANDSCAPING LLC										
01-10450-451 000000	CONTRACTED SERVICES	2022	092722	81243	6	N	09/28/22	2,111.72		
Remarks: CONTRACT MOWING ZONE 1~										
Totals for vendor 7829										2,111.72 *
Vendor number: 13182 BOSTON MUTUAL LIFE INSURANCE										
01-78000-226 000000	LIFE INSURANCE	2022	SEPTEMBER 2022	0	0	N	09/28/22	5,025.10		
Remarks: Life Insurance										
01-79000-226 000000	DISABILITY INSURANCE	2022	SEPTEMBER 2022	0	0	N	09/28/22	5,961.10		
Remarks: Life Insurance										
01-69000-227 000000	MISC #5-DISABILITY ADD 10 %	2022	SEPTEMBER 2022	0	0	N	09/28/22	2,868.76		
Remarks: Life Insurance										

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 13182									13,854.96 *
Vendor number: 15145 BTC FOODS, INC									
01-10410-130 000000	DUE FROM CDBG PROG. FUND	2022	220839	0	0	N	09/28/22	781.60	
Remarks: Summer Youth Meals									
Totals for vendor 15145									781.60 *
Vendor number: 14962 CASALINA JOSE									
01-10450-413 000000	CONTRACTED SERVICES	2022	092022	84084	1	N	09/28/22	75.00	
Remarks: ZHB MEETING 9/20/22									
Totals for vendor 14962									75.00 *
Vendor number: 15889 CHAPMAN FORD OF HORSHAM									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	923098	84094	1	N	09/28/22	500.00	
Remarks: transmission repair									
Totals for vendor 15889									500.00 *
Vendor number: 8363 CODE INSPECTIONS INC									
01-10450-413 000000	CONTRACTED SERVICES	2022	410	84082	1	N	09/28/22	292.50	
Remarks: BCO SERVICES-AUGUST 2022									
Totals for vendor 8363									292.50 *
Vendor number: 13773 COLLIFLOWER, INC.									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	9/8 - 9-14	84018	1	N	09/28/22	301.50	
Remarks: PLUGS, FITTINGS, GUAGES									
Totals for vendor 13773									301.50 *
Vendor number: 13612 COMCAST									
01-10321-410 000000	TELEPHONE MONTHLY CHARGES	2022	OCTOBER 2022	0	0	N	09/28/22	21.00	
Remarks: Police Special Video Account									
Totals for vendor 13612									21.00 *
Vendor number: 14883 COMCAST									
01-10450-407 000000	CONTRACTED SERVICES	2022	OCTOBER 2022	0	0	N	09/28/22	464.35	
Remarks: 1176 Voice lines									
Totals for vendor 14883									464.35 *
Vendor number: 14979 COMCAST									
01-10321-406 000000	TELEPHONE MONTHLY CHARGES	2022	OCTOBER 2022	0	0	N	09/26/22	3,706.87	
Remarks: 1176 Old York Raod									
Totals for vendor 14979									3,706.87 *
Vendor number: 5860 COMCAST CABLE									

01-10450-452 000000	CONTRACTED SERVICES	2022	091522	80620	6	N	09/28/22	3.71	
Remarks: ARDSLEY COMMUNITY CENTER CABLE~									
01-10450-452 000000	CONTRACTED SERVICES	2022	091522	80620	8	N	09/28/22	5.13	
Remarks: ARDSLEY COMMUNITY CENTER CABLE~									
01-10450-452 000000	CONTRACTED SERVICES	2022	091522	80620	9	N	09/28/22	206.03	
Remarks: ARDSLEY COMMUNITY CENTER CABLE~									
Totals for vendor 5860									214.87 *
Vendor number: 7316 COMCAST CABLE									
01-10450-452 000000	CONTRACTED SERVICES	2022	091622	80619	7	N	09/28/22	10.60	
Remarks: CABLE SERVICE CRESTMONT POOL~									
01-10450-452 000000	CONTRACTED SERVICES	2022	091622	80619	9	N	09/28/22	5.15	
Remarks: CABLE SERVICE CRESTMONT POOL~									

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10450-452 000000	CONTRACTED SERVICES	2022	091622	80619	10	N	09/28/22	111.10	
Remarks: CABLE SERVICE CRESTMONT POOL~									
Totals for vendor 7316									126.85 *
Vendor number: 7317 COMCAST CABLE									
01-10450-452 000000	CONTRACTED SERVICES	2022	091622	80621	7	N	09/28/22	.60	
Remarks: CABLE SERVICE PENBRYN POOL~									
01-10450-452 000000	CONTRACTED SERVICES	2022	091622	80621	9	N	09/28/22	5.15	
Remarks: CABLE SERVICE PENBRYN POOL~									
01-10450-452 000000	CONTRACTED SERVICES	2022	091622	80621	10	N	09/28/22	120.00	
Remarks: CABLE SERVICE PENBRYN POOL~									
01-10450-452 000000	CONTRACTED SERVICES	2022	091622	0	0	N	09/28/22	1.10	
Remarks: CABLE SERVICE PENBRYN POOL~									
Totals for vendor 7317									126.85 *
Vendor number: 8182 COMCAST CABLE									
01-10450-410 000000	CONTRACTED SERVICES	2022	OCTOBER 2022	0	0	N	09/28/22	409.32	
Remarks: Training Center									
Totals for vendor 8182									409.32 *
Vendor number: 9245 COMCAST CABLE									
01-10450-451 000000	CONTRACTED SERVICES	2022	091022	82746	4	N	09/28/22	88.40	
Remarks: CABLE SERVICE FOX CHASE RD									
Totals for vendor 9245									88.40 *
Vendor number: 15313 COMCAST CABLE									
01-10450-409 000000	CONTRACTED SERVICES	2022	OCTOBER 2022	0	0	N	09/27/22	54.80	
Remarks: Twp Special Video									
Totals for vendor 15313									54.80 *
Vendor number: 100227 Danielle Houston									
01-10241-410 000000	GENERAL GOVERNMENT SUPPLIES	2022	4187	84024	1	N	09/28/22	67.94	
Remarks: trash cans									
Totals for vendor 100227									67.94 *
Vendor number: 1224 EDGE HILL FIRE COMPANY									
01-16200-252 000000	DEFERRED REVENUE-OTHER	2022	9-22-2022	0	0	N	09/28/22	86,891.34	
Remarks: 2022 Fire Relief Payment									
Totals for vendor 1224									86,891.34 *
Vendor number: 419 FEDERAL EXPRESS									
01-11215-406 000000	POSTAGE	2022	788865098	0	0	N	09/28/22	58.72	
Remarks: overnight mailing									
Totals for vendor 419									58.72 *

Vendor number: 8830 FERGUSON ENTERPRISES LLC										
01-10373-409 000000	BUILDING MAINTENANCE	2022	8191990	84055	1	N	09/28/22	50.62		
Remarks: REPAIRS TO RESTROOM										
Totals for vendor 8830										50.62 *
Vendor number: 970 FIDELIO INSURANCE CO.										
01-77000-222 000000	DENTAL	2022	OCTOBER 2022	0	0	N	09/28/22	10,290.68		
Remarks: October Payment										
01-12196-487 000000	MEDICAL BENEFITS	2022	OCTOBER 2022	0	0	N	09/28/22	240.35		
Remarks: October Payment										
Totals for vendor 970										10,531.03 *

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Vendor number: 512 GEPPERT INC. WILLIAM A									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	42085	84040	1	N	09/28/22	51.90	
Remarks: FIBER EXPANSION JOINT									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	9/8-9/16	84026	1	N	09/28/22	505.71	
Remarks: TOOLS, CAULK, PROPANE									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	9/8-9/16	0	0	N	09/28/22	1.90	
Remarks: TOOLS, CAULK, PROPANE									
Totals for vendor 512									559.51 *
Vendor number: 1110 GRAINGER, INC.									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	25373	84039	1	N	09/28/22	338.22	
Remarks: WALL MOUNT , HOSE HEAD									
Totals for vendor 1110									338.22 *
Vendor number: 8079 GRECO CUSTOM CARPENTRY INC									
01-10450-413 000000	CONTRACTED SERVICES	2022	100	84090	1	N	09/28/22	75.00	
Remarks: 117 ZANE AVE-8/29/22									
01-10450-413 000000	CONTRACTED SERVICES	2022	101	84090	2	N	09/28/22	55.00	
Remarks: 2806 TURNER AVE-8/29/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	102	84090	3	N	09/28/22	40.00	
Remarks: 1644 FAIRVIEW AVE-8/29/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	103	84090	4	N	09/28/22	55.00	
Remarks: 1619 GROVE AVE-8/29/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	104	0	0	N	09/28/22	75.00	
Remarks: 1972 COOLIDGE AVE-8/29/22 FIRST CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	105	84090	6	N	09/28/22	55.00	
Remarks: 536 GIBSON AVE-8/29/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	106	84090	7	N	09/28/22	75.00	
Remarks: 1851 MEADOWBROOK RD-9/5/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	107	84090	8	N	09/28/22	55.00	
Remarks: 2921 SENAK RD-9/5/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	108	84090	9	N	09/28/22	40.00	
Remarks: 1540 ARLINE AVE-9/4/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	109	84090	10	N	09/28/22	55.00	
Remarks: 2822 LINCOLN AVE-9/4/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	110	0	0	N	09/28/22	55.00	
Remarks: 2911 ANZAC AVE-9/5/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	111	84090	12	N	09/28/22	55.00	
Remarks: 1677 FAIRVIEW AVE-9/5/22 FIRST CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	112	84099	1	N	09/28/22	75.00	
Remarks: 117 ZANE AVE-9/12/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	113	84099	2	N	09/28/22	55.00	
Remarks: 2806 TURNER AVE-9/12/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	114	84099	3	N	09/28/22	40.00	
Remarks: 1644 FAIRVIEW AVE-9/12/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	115	84099	4	N	09/28/22	55.00	
Remarks: 1619 GROVE AVE-9/12/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	116	84099	5	N	09/28/22	75.00	
Remarks: 1972 COOLIDGE AVE-9/12/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	117	84099	6	N	09/28/22	55.00	

Remarks: 536 GIBSON AVE-9/12/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	118	84099	7	N	09/28/22	75.00	
Remarks: 1851 MEADOWBROOK RD-9/19/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	119	84099	8	N	09/28/22	55.00	
Remarks: 2921 SENAK RD-9/19/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	120	84099	9	N	09/28/22	40.00	
Remarks: 1540 ARLINE AVE-9/19/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	121	84099	10	N	09/28/22	55.00	
Remarks: 2822 LINCOLN AVE-9/19/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	122	84099	11	N	09/28/22	55.00	
Remarks: 2911 ANZAC AVE-9/19/22 GRASS CUT									
01-10450-413 000000	CONTRACTED SERVICES	2022	123	84099	12	N	09/28/22	55.00	
Remarks: 1677 FAIRVIEW AVE-9/19/22 GRASS CUT									

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 8079									1,380.00 *
Vendor number: 100225 GateHouse Media PA Holdings									
01-11341-401 000000	ADVERTISING	2022	799795	0	0	N	09/28/22	479.68	
Remarks: legal advertising									
Totals for vendor 100225									479.68 *
Vendor number: 16227 HANES LAURA									
01-10450-413 000000	CONTRACTED SERVICES	2022	092022	84087	1	N	09/28/22	75.00	
Remarks: ZHB MEETING 9/20/22									
Totals for vendor 16227									75.00 *
Vendor number: 4507 HIGHWAY MATERIALS, INC.									
01-10260-451 000000	SMALL TOOLS AND MINOR EQUIP	2022	292782	83747	1	N	09/28/22	850.04	
Remarks: STONE FOR WALKING PATHS									
Totals for vendor 4507									850.04 *
Vendor number: 851 HOME DEPOT CREDIT SERVICES									
01-10373-409 000000	BUILDING MAINTENANCE	2022	4187091322 1039	84054	1	N	09/28/22	267.93	
Remarks: SHELVES FOR BASEMENT AND SHOPVAC									
01-10373-451 000000	BUILDING MAINTENANCE	2022	4187091922 1136	84061	1	N	09/28/22	103.64	
Remarks: REPAIRS TO ALVERTHORPE MANOR AND CRESTMONT CLUBHOUSE									
01-10373-451 000000	BUILDING MAINTENANCE	2022	4187092022 1023	84059	1	N	09/28/22	82.16	
Remarks: REPAIRS TO ALVERTHORPE MANOR AND CRESTMONT CLUBHOUSE									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	65025	84102	1	N	09/28/22	202.17	
Remarks: tools & supplies									
01-10373-452 000000	BUILDING MAINTENANCE	2022	BBNC 092022	84046	1	N	09/22/22	7.80	
Totals for vendor 851									663.70 *
Vendor number: 16911 HUXWRX SAFETY CO									
01-10260-410 000000	SMALL TOOLS AND MINOR EQUIP	2022	23601	83423	1	N	09/28/22	897.50	
Remarks: flash hiders									
Totals for vendor 16911									897.50 *
Vendor number: 10249 ITSAVVY LLC									
01-10260-407 000000	SMALL TOOLS AND MINOR EQUIP	2022	01374640	81059	1	N	09/27/22	308.39	
Remarks: Surface laptop warranty									
Totals for vendor 10249									308.39 *
Vendor number: 15322 JOHNSTONE SUPPLY									
01-10373-451 000000	BUILDING MAINTENANCE	2022	S2205847.001	83967	1	N	09/28/22	577.70	
Remarks: REPAIRS TO MANOR BOILER									
Totals for vendor 15322									577.70 *

Vendor number: 9745 KLINE STEVEN									
01-10450-413 000000	CONTRACTED SERVICES	2022	092022	84086	1	N	09/28/22	75.00	
Remarks: ZHB MEETING 9/20/22									
Totals for vendor 9745									75.00 *
Vendor number: 16479 KUHLS LAW									
01-10450-413 000000	CONTRACTED SERVICES	2022	1347	84083	1	N	09/28/22	9,152.50	
Remarks: ZHB APPLICATIONS; 22-02 TO 22-13									
Totals for vendor 16479									9,152.50 *
Vendor number: 5213 LAND MOBILE CORP									
01-10241-410 000000	GENERAL GOVERNMENT SUPPLIES	2022	220915	84034	1	N	09/28/22	145.65	
Remarks: radio equipment for ROC relocation									

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 5213									145.65 *
Vendor number: 9843 LAUREL HILL GARDENS									
01-10241-455 000000	GENERAL GOVERNMENT SUPPLIES	2022	7897 -1	0	0	N	09/28/22	395.87	
Remarks: Oak Trees Hollowell Park									
Totals for vendor 9843									395.87 *
Vendor number: 12361 LIBERTY PRODUCTS GROUP, INC									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	185087	84043	1	N	09/28/22	54.00	
Remarks: BUSINESS CARDS									
Totals for vendor 12361									54.00 *
Vendor number: 5516 LOWE'S BUSINESS ACCOUNT									
01-10373-409 000000	BUILDING MAINTENANCE	2022	88986708	84053	1	N	09/28/22	120.13	
Remarks: PLUMBING REPAIRS									
Totals for vendor 5516									120.13 *
Vendor number: 8257 MCDONALD UNIFORMS									
01-10238-410 000000	CLOTHING AND UNIFORMS	2022	207888-02 MULT	84050	1	N	09/28/22	1,715.83	
Remarks: see attached list for invoice numbers									
Totals for vendor 8257									1,715.83 *
Vendor number: 1226 MCKINLEY FIRE CO									
01-16200-252 000000	DEFERRED REVENUE-OTHER	2022	9-22-2022	0	0	N	09/28/22	86,891.34	
Remarks: 2022 Fire Relief Payment									
Totals for vendor 1226									86,891.34 *
Vendor number: 3690 METRO ELEVATOR CO., INC.									
01-10450-409 000000	CONTRACTED SERVICES	2022	116285	84125	1	N	09/28/22	31.98	
Remarks: MAINTENANCE CONTRACT FOR QUARTER - WHEELCHAIR LIFT									
Totals for vendor 3690									31.98 *
Vendor number: 8600 MILITIA HILL SECURITY, INC									
01-10373-409 000000	BUILDING MAINTENANCE	2022	20222965	84058	1	N	09/28/22	360.00	
Remarks: ACCESS CARDS									
Totals for vendor 8600									360.00 *
Vendor number: 1034 NAPA AUTO PARTS									
01-10374-437 000000	MACHINERY AND EQUIPMENT MAINT.	2022	9/13/22	84104	1	N	09/28/22	333.15	
Remarks: washer solvents/ car parts									
Totals for vendor 1034									333.15 *
Vendor number: 13035 O'CONNOR MICHAEL									

01-10450-413 000000	CONTRACTED SERVICES	2022	092022	84085	1	N	09/28/22	75.00	

Remarks: ZHB MEETING 9/20/22

Totals for vendor 13035 — 75.00 *

Vendor number: 15191 PA TURNPIKE TOLL BY PLATE

01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	7918-1	84074	1	N	09/27/22	6.30	

Remarks: toll fee

Totals for vendor 15191 — 6.30 *

Vendor number: 12563 PETROLEUM TRADERS CORPORATION

01-10231-437 000000	VEHICLE FUEL-GASOLINE	2022	1808903	84017	1	N	09/28/22	17,530.19	

Remarks: diesel fuel

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for vendor 12563									17,530.19 *
Vendor number: 962 PRIMEX CENTERS, INC.									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	263943	84103	1	N	09/28/22	84.60	
Remarks: straw									
Totals for vendor 962									84.60 *
Vendor number: 1189 Pennoni									
01-10450-408 000000	CONTRACTED SERVICES	2022	1125037	0	0	N	09/28/22	658.50	
Remarks: 1247 Old Ford Road									
01-10450-408 000000	CONTRACTED SERVICES	2022	1125038	0	0	N	09/28/22	134.50	
Remarks: Cond Use-Wissahickon Trails									
01-10450-408 000000	CONTRACTED SERVICES	2022	1125059	0	0	N	09/28/22	2,750.25	
Remarks: General Services									
01-10450-408 000000	CONTRACTED SERVICES	2022	1129085	0	0	N	09/28/22	684.75	
Remarks: 1247 Old Ford Road									
01-10450-408 000000	CONTRACTED SERVICES	2022	1129086	0	0	N	09/28/22	96.75	
Remarks: Shady Lane Bridge									
01-10450-413 000000	CONTRACTED SERVICES	2022	1129099	0	0	N	09/28/22	1,076.50	
Remarks: 119 Township Line									
01-10450-413 000000	CONTRACTED SERVICES	2022	1129101	0	0	N	09/28/22	324.50	
Remarks: 1645 Easton-Sussman Hyundai									
01-10450-408 000000	CONTRACTED SERVICES	2022	1129102	0	0	N	09/28/22	818.50	
Remarks: General Services									
Totals for vendor 1189									6,544.25 *
Vendor number: 12992 READY REFRESH									
01-10366-430 000000	WATER SERVICE	2022	9/26/22	84019	1	N	09/28/22	112.35	
Remarks: WATER DELIVERY									
Totals for vendor 12992									112.35 *
Vendor number: 1227 ROSLYN FIRE COMPANY									
01-16200-252 000000	DEFERRED REVENUE-OTHER	2022	9-22-2022	0	0	N	09/28/22	86,891.34	
Remarks: 2022 Fire Relief Payment									
Totals for vendor 1227									86,891.34 *
Vendor number: 981 ROSLYN SUPPLY-GULFEAGLE 103									
01-10373-410 000000	BUILDING MAINTENANCE	2022	391016	83116	1	N	09/28/22	1,363.91	
Remarks: Window for ROC									
Totals for vendor 981									1,363.91 *
Vendor number: 10044 SANDS ROBERT									
01-10241-410 000000	GENERAL GOVERNMENT SUPPLIES	2022	DWT REIMB	84015	1	N	09/28/22	108.36	
Remarks: reimbursement for DWT									
Totals for vendor 10044									108.36 *

Vendor number: 53 SAXON OFFICE TECHNOLOGY, INC.										
01-10450-407 000000	CONTRACTED SERVICES	2022	INV005052	84157	1	Y	09/26/22	752.00		
Remarks: saxon monthly invoice										
Totals for vendor 53										752.00 *
Vendor number: 701 SECURITY ON LINE SYSTEMS INC										
01-10450-409 000000	CONTRACTED SERVICES	2022	88727	84126	1	N	09/28/22	698.00		
Remarks: SERVICE TO FIRE SYSTEM										
Totals for vendor 701										698.00 *
Vendor number: 1882 SHERWIN WILLIAMS CO.										

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
01-10373-409 000000	BUILDING MAINTENANCE	2022	1738-7	84057	1	N	09/28/22	80.94	
Remarks: REPAIRS TO POLICE GYM									
Totals for vendor 1882									80.94 *
Vendor number: 8628 STAPLES									
01-12210-451 000000	OFFICE SUPPLIES	2022	3518093337	83771	1	N	09/28/22	34.11	
Remarks: STAMPS AND SCREEN PROTECTOR									
01-12210-451 000000	OFFICE SUPPLIES	2022	3518093342	83771	1	N	09/28/22	23.36	
Remarks: STAMPS AND SCREEN PROTECTOR									
Totals for vendor 8628									57.47 *
Vendor number: 100217 TANNERS EQUIPMENT									
01-10260-451 000000	SMALL TOOLS AND MINOR EQUIP	2022	104636	83959	1	N	09/28/22	500.00	
Remarks: AERATOR RENTAL									
Totals for vendor 100217									500.00 *
Vendor number: 13202 TB PHILLY, INC									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	0519928	84033	1	N	09/28/22	322.50	
Remarks: LIMESTONE									
Totals for vendor 13202									322.50 *
Vendor number: 15794 TRAFFIC SAFETY STORE									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	5516	84044	1	N	09/28/22	418.42	
Remarks: PED CROSSING SIGN									
Totals for vendor 15794									418.42 *
Vendor number: 1028 VAN'S LOCK SHOP, INC									
01-10373-409 000000	BUILDING MAINTENANCE	2022	129566	84056	1	N	09/28/22	10.50	
Remarks: DUPLICATE KEYS									
Totals for vendor 1028									10.50 *
Vendor number: 7500 VILE SUSAN ELIZABETH									
01-10450-406 000000	CONTRACTED SERVICES	2022	09/22/2022	0	0	N	09/28/22	225.00	
Remarks: BOC Meeting 09/08/2022									
01-10450-406 000000	CONTRACTED SERVICES	2022	SEPTEMBER 2022	0	0	N	09/28/22	236.25	
Remarks: BOC Working Session									
Totals for vendor 7500									461.25 *
Vendor number: 15497 VIMCO									
01-10260-430 000000	SMALL TOOLS AND MINOR EQUIP	2022	724833	84038	1	N	09/28/22	1,288.80	
Remarks: ADA RAMP SUPPLIES									
Totals for vendor 15497									1,288.80 *
Vendor number: 100032 Verizon Wireless- VSAT									

01-10241-410 000000	GENERAL GOVERNMENT SUPPLIES	2022	9022302885	84066	1	N	09/28/22	80.00		

Totals for vendor 100032 80.00 *

Vendor number: 1223 WELDON FIRE COMPANY

01-16200-252 000000	DEFERRED REVENUE-OTHER	2022	9-22-2022	0	0	N	09/28/22	86,891.34		

Remarks: 2022 Fire Relief Payment

Totals for vendor 1223 86,891.34 *

Totals for fund 1 546,075.70 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 2 Sewer Fund									
Vendor number: 13608 FISHER ACE HARDWARE									
02-10260-429 000000	SMALL TOOLS AND MINOR EQUIP	2022	010658	84089	1	N	09/28/22	24.81	
Remarks: SILICONE CAULK									
Totals for vendor 13608									24.81 *
Vendor number: 12868 KELLER, INC. CHARLES G.									
02-10450-429 000000	CONTRACTED SERVICES	2022	573-22	84111	1	N	09/28/22	1,400.00	
Remarks: EMERGENCY GENERATOR RENTAL AT BRYANT LANE PUMP STATION									
Totals for vendor 12868									1,400.00 *
Vendor number: 12333 NUCHEM CORP.									
02-10450-429 000000	CONTRACTED SERVICES	2022	221603	84088	1	N	09/28/22	326.11	
Remarks: SLUDGE BOILERS WATER TREATMENT SERVICE									
Totals for vendor 12333									326.11 *
Vendor number: 3216 PECO ENERGY COMPANY									
02-10361-429 000000	ELECTRIC AND GAS	2022	AUGUST 2022	0	0	N	09/28/22	16,450.73	
Remarks: WWTP Electric									
02-10361-429 000000	ELECTRIC AND GAS	2022	AUGUST 2022	0	0	N	09/28/22	4,696.79	
Remarks: WWTP Electric									
Totals for vendor 3216									21,147.52 *
Vendor number: 10046 REIDER ASSOCIATES, INC. M.J.									
02-10450-429 000000	CONTRACTED SERVICES	2022	22I0011	84093	1	N	09/28/22	1,798.10	
Remarks: LAB TESTING FOR NPDES PERMIT FOR AUGUST 2022									
Totals for vendor 10046									1,798.10 *
Vendor number: 5053 SIGMA CONTROLS,INC.									
02-10374-429 000000	MACHINERY AND EQUIPMENT MAINT.	2022	030937	84071	1	N	09/28/22	461.74	
Remarks: LEVEL TRANSMITTER REPAIRS									
Totals for vendor 5053									461.74 *
Vendor number: 175 SOUTHEASTERN PENNSYLVANIA									
02-10450-429 000000	CONTRACTED SERVICES	2022	139300	84092	1	N	09/28/22	150.00	
Remarks: ANNUAL EASEMENT RENTAL ALONG RAILROAD									
Totals for vendor 175									150.00 *
Vendor number: 5748 SYNAGRO TECHNOLOGIES INC									
02-10450-429 000000	CONTRACTED SERVICES	2022	32345	84091	1	N	09/28/22	5,347.32	
Remarks: BIOSOLIDS TO LAND APPLICATION FOR AUGUST 2022									
Totals for vendor 5748									5,347.32 *

Vendor number: 9997 UNIVAR USA INC.										
02-10221-429 000000	CHEMICALS	2022	50555144	83863	1	N	09/28/22	2,035.00		
Remarks: SODIUM BICARBONATE GRANULAR										
Totals for vendor 9997										2,035.00 *
Vendor number: 112 VERIZON										
02-10321-429 000000	TELEPHONE MONTHLY CHARGES	2022	SEPT 2022 -2	0	0	N	09/28/22	44.10		
Remarks: 450 726 470 0001 39 Phone Twp										
02-10321-429 000000	TELEPHONE MONTHLY CHARGES	2022	SEPT 2022-3	0	0	N	09/28/22	44.10		
Remarks: 950 726 463 0001 74 Pump station										
Totals for vendor 112										88.20 *

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Totals for fund 2								32,778.80	**

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 3 Fire Services Fund									
Vendor number: 15550 PLATZ CHRISTOPHER									
03-10460-411 000000	MEETINGS AND CONFERENCES	2022	09/21 TO 23/22	84149	1	N	09/28/22	133.90	
Remarks: ATFD Hands-On Electrical Fire/Arson Investigation.									
Totals for vendor 15550									133.90 *
Vendor number: 14496 VERIZON									
03-10263-411 000000	COMPUTER EQUIPMENT/PARTS	2022	09-2022	84145	1	N	09/28/22	149.98	
Remarks: ATFD Fios Internet and Router									
Totals for vendor 14496									149.98 *
Vendor number: 100070 Water Supply Innovations, LLC									
03-10740-411 000000	MACHINERY	2022	INV 22-1918	82469	1	N	09/28/22	3,979.00	
Remarks: Water Flow Testing Kit to test pressure and volume .									
Totals for vendor 100070									3,979.00 *
Totals for fund 3									4,262.88 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 4 Grant and Special ProjectsFund									
Vendor number: 978 ELY ASSOCIATES, INC. GEORGE									
04-10720-452-AR2163	IMPROV. OTHER THAN BUILDINGS	2022	E-40654	81239	1	N	09/28/22	38,022.00	
Remarks: PLAYGROUND EQUIPMENT									
Totals for vendor 978									38,022.00 *
Vendor number: 1069 GLENSIDE LAWN & GARDEN, INC.									
04-10720-454-AR2162	IMPROV. OTHER THAN BUILDINGS	2022	75537	84052	1	N	09/28/22	22,500.00	
Remarks: VOYAGER FS5250 RIDE-ON SPREADER/SEEDER									
Totals for vendor 1069									22,500.00 *
Vendor number: 541 HIBBERT'S INC									
04-10720-408-AR2118	IMPROV. OTHER THAN BUILDINGS	2022	024385	84120	1	N	09/28/22	.00	
04-10720-408-AR2118	IMPROV. OTHER THAN BUILDINGS	2022	024385	84120	2	N	09/28/22	36.50	
Totals for vendor 541									36.50 *
Vendor number: 100147 PAVEMENT MAINTENANCE CONT. INC									
04-10720-452-AR2172	IMPROV. OTHER THAN BUILDINGS	2022	3436	83269	1	N	09/28/22	29,985.00	
Remarks: PENBRYN PARK BASKETBALL COURT REPAIRS									
04-10720-452-AR2164	IMPROV. OTHER THAN BUILDINGS	2022	3437	83261	1	N	09/28/22	22,350.00	
Remarks: PENBRYN PARK TENNIS COURT REPAIRS									
Totals for vendor 100147									52,335.00 *
Vendor number: 1189 Pennoni									
04-10660-408-AR2119	PROFESSIONAL FEES	2022	1125060	0	0	N	09/28/22	433.00	
Remarks: Stormwater Project									
04-10730-409-AR2103	BUILDINGS CAPITAL	2022	1129082	0	0	N	09/28/22	4,208.67	
Remarks: HVAC Consulting Services									
04-10660-408-AR2119	PROFESSIONAL FEES	2022	1129103	0	0	N	09/28/22	451.50	
Remarks: Stormwater									
Totals for vendor 1189									5,093.17 *
Vendor number: 14294 THE PENNSYLVANIA STATE UNI									
04-10260-410-GPTEST	SMALL TOOLS AND MINOR EQUIP	2022	20221919-00006	84049	1	Y	09/28/22	40.00	
Remarks: recruitment/career fair									
Totals for vendor 14294									40.00 *
Vendor number: 4686 VIMCO INC									
04-10720-408-AR2118	IMPROV. OTHER THAN BUILDINGS	2022	725352	84109	1	N	09/28/22	687.00	
Totals for vendor 4686									687.00 *
Vendor number: 16779 WITT O'BRIEN'S, LLC									
04-12310-409-AR2101	PROFESSIONAL SERVICES	2022	507-003599	0	0	N	09/28/22	263.00	
Remarks: professional fees									

Totals for vendor 16779										263.00 *
Vendor number: 11940 XYLEM WATERING SOLUTIONS, INC.										
04-10740-429-AR2134	MACHINERY	2022	401196552	84121	1	N	09/28/22	7,624.24		
Remarks: MONTHLY RENATL OF BACKUP ELECTRIC PUMP FOR RYDAL PUMP STATI										
04-10740-429-AR2134	MACHINERY	2022	401197579	84119	1	N	09/28/22	2,871.90		
Remarks: MONTHLY RENTAL OF VALVES & HOSING FOR PUMP										
Totals for vendor 11940										10,496.14 *
Totals for fund 4										129,472.81 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 9 Refuse Fund									
Vendor number: 309 ARDEX LABORATORIES, INC.									
09-10374-427-000000	MACHINERY AND EQUIPMENT MAINT.	2022	2370054-IN	84076	1	N	09/28/22	457.08	
Remarks: DEGREASER									
Totals for vendor 309									457.08 *
Vendor number: 5516 LOWE'S BUSINESS ACCOUNT									
09-10260-427-000000	SMALL TOOLS AND MINOR EQUIP	2022	86392	84073	1	N	09/28/22	13.00	
Remarks: supplies for transfer station									
Totals for vendor 5516									13.00 *
Vendor number: 16425 PECO									
09-10361-427-000000	ELECTRIC AND GAS	2022	22036 091522	84072	1	N	09/28/22	47.31	
Remarks: Service at Garage 995 Fitzwatertown									
09-10361-427-000000	ELECTRIC AND GAS	2022	47015 091522	84065	1	N	09/28/22	565.13	
Remarks: service at 995 Fitzwatertown Rd									
Totals for vendor 16425									612.44 *
Vendor number: 9600 PROSHRED SECURITY									
09-10450-427-000000	CONTRACTED SERVICES	2022	2113555	0	0	N	09/28/22	110.00	
Remarks: monthly shredding service-August 2022									
Totals for vendor 9600									110.00 *
Vendor number: 12992 READY REFRESH									
09-10366-427-000000	WATER SERVICE	2022	9/26/22	84019	1	N	09/28/22	112.36	
Remarks: WATER DELIVERY									
Totals for vendor 12992									112.36 *
Totals for fund 9									1,304.88 **

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Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 18 Capital Projects Fund									
Vendor number: 100228 DAVID SCHMAUK									
18-10008-248-ES2445	DEPOSITS PAY-MISCELLANEOUS	2022	REFUND	0	0	N	09/28/22	500.00	
Remarks: refund-2330 geneva									
Totals for vendor 100228									500.00 *
Vendor number: 1189 PENNONI ASSOCIATES INC.									
18-10005-248-ES2442	DEPOSITS PAYABLE-LAND DEV.	2022	1125055	0	0	N	09/28/22	64.50	
Remarks: 315 Chelsea-NH Aqua Well									
Totals for vendor 1189									64.50 *
Vendor number: 15683 PLATELOGIQ									
18-10740-410-220015	MACHINERY	2022	PL 210660 -1	0	0	N	09/28/22	4,781.00	
Remarks: License plate recognition									
Totals for vendor 15683									4,781.00 *
Vendor number: 100138 PREMIER BUILDERS INC									
18-10730-411-220036	BUILDINGS CAPITAL	2022	INSTALLMENT 4	84159	1	N	09/28/22	58,093.38	
Remarks: Approved Purchase Justification. Pennoni Approved.									
Totals for vendor 100138									58,093.38 *
Vendor number: 1189 Pennoni									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1125039	0	0	N	09/28/22	225.75	
Remarks: 1235 Meinel Road									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1125040	0	0	N	09/28/22	1,136.00	
Remarks: Hollywood Tavern									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1125041	0	0	N	09/28/22	731.50	
Remarks: 365 Cedar									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1125042	0	0	N	09/28/22	84.75	
Remarks: 1603 and 1617 Old York Road									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1125043	0	0	N	09/28/22	500.00	
Remarks: 801 Huntiingdon-Chipotle									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1125044	0	0	N	09/28/22	629.00	
Remarks: 1330 Easton-AZ									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1125046	0	0	N	09/28/22	283.75	
Remarks: Penn State									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1125047	0	0	N	09/28/22	216.00	
Remarks: Easton Road Storage-JSF									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1125048	0	0	N	09/28/22	4,259.25	
Remarks: Galman Foxcroft									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1125049	0	0	N	09/28/22	161.25	
Remarks: 1768 Kimball Ave									
18-10003-248-ES2440	DEPOSITS PAY-CONSTR. PERMITS	2022	1125052	0	0	N	09/28/22	216.00	
Remarks: Abington Sr. HS									
18-10005-248-ES2442	DEPOSITS PAYABLE-LAND DEV.	2022	1125053	0	0	N	09/28/22	507.00	
Remarks: New Life Presby									
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1125054	0	0	N	09/28/22	871.00	

Remarks: Rydal Waters								
	18-11012-248-ES2451	LEGAL FEES-ESCROW	202	25056	0	0	N	09/28/22	1,136.25
Remarks: 52 edon-Barn								
	18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1125057	0	0	N	09/28/22	1,131.75
Remarks: 1057 Easton								
	18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1125058	0	0	N	09/28/22	1,787.25
Remarks: 1231 Susquehanna								
	18-10730-411-220036	BUILDINGS CAPITAL	2022	1125061	0	0	N	09/28/22	1,796.10
Remarks: Edge Hill Fire-ADA Restrooms								
	18-10660-409-220004	PROFESSIONAL FEES	2022	1125062	0	0	N	09/28/22	129.00
Remarks: Edge Hill at Acorn Crosswalk								
	18-10720-408-220023	IMPROV. OTHER THAN BUILDINGS	2022	1125064	0	0	N	09/28/22	260.00
Remarks: OYR-Susquehanna Bldg Demo								
	18-10720-408-220023	IMPROV. OTHER THAN BUILDINGS	2022	1125065	0	0	N	09/28/22	5,085.70
Remarks: OYR-Susquehanna Envir Project								

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1129073	0	0	N	09/28/22	103.00
Remarks: 521 Moredon								
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1129074	0	0	N	09/28/22	32.25
Remarks: 1235 Meinel								
18-10008-248-ES2445	DEPOSITS PAY-MISCELLANEOUS	2022	1129075	0	0	N	09/28/22	1,265.25
Remarks: Hollywood Tavern								
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1129076	0	0	N	09/28/22	29.50
Remarks: 365 Cedar								
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1129077	0	0	N	09/28/22	59.00
Remarks: 1603 and 1617 Old York Road								
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1129078	0	0	N	09/28/22	153.00
Remarks: 805 Huntingdon-Chipotle								
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1129079	0	0	N	09/28/22	571.50
Remarks: 1318 and 1330 Easton AZ								
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1129081	0	0	N	09/28/22	1,900.00
Remarks: Penn State								
18-10720-408-220023	IMPROV. OTHER THAN BUILDINGS	2022	1129083	0	0	N	09/28/22	195.00
Remarks: Old York Road-Susq-Bldg Demo								
18-10720-408-220023	IMPROV. OTHER THAN BUILDINGS	2022	1129084	0	0	N	09/28/22	1,629.30
Remarks: Old York Road-Susq-Env Proj								
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1129087	0	0	N	09/28/22	147.50
Remarks: JSF-Easton Road Storage								
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1129088	0	0	N	09/28/22	1,080.00
Remarks: Galman-Foxcroft								
18-10005-248-ES2442	DEPOSITS PAYABLE-LAND DEV.	2022	1129090	0	0	N	09/28/22	216.00
Remarks: New Life Presby Church								
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1129091	0	0	N	09/28/22	2,296.00
Remarks: Rydal Waters								
18-10005-248-ES2442	DEPOSITS PAYABLE-LAND DEV.	2022	1129092	0	0	N	09/28/22	567.00
Remarks: 315 Chelsea-NH Aqua Well								
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1129093	0	0	N	09/28/22	1,446.50
Remarks: 521 Moredon-Barn								
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1129094	0	0	N	09/28/22	594.00
Remarks: 1057 Easton								
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1129095	0	0	N	09/28/22	798.50
Remarks: 1231 Susquehanna								
18-10005-248-ES2442	DEPOSITS PAYABLE-LAND DEV.	2022	1129096	0	0	N	09/28/22	585.00
Remarks: Rydal Park Patio								
18-11012-248-ES2451	LEGAL FEES-ESCROW	2022	1129097	0	0	N	09/28/22	1,249.75
Remarks: 1235 Meinel								
18-10730-411-220036	BUILDINGS CAPITAL	2022	1129104	0	0	N	09/28/22	1,363.00
Remarks: Edge Hill Fire ADA Restrooms								
Totals for vendor 1189								37,428.35 *
Totals for fund 18								100,867.23 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 23 Debt Service Fund									
Vendor number: 15405 DE LAGE LANDEN FINANCIAL									
23-10384-471 000000	RENT OF MACHINERY/EQUIPMENT	2022	SEPT/OCT	0	0	N	09/28/22	143.00	
Remarks: Copier WWTP									
Totals for vendor 15405									143.00 *
Vendor number: 16431 LEAF									
23-10384-471 000000	RENT OF MACHINERY/EQUIPMENT	2022	SEPTEMBER 2022	0	0	N	09/28/22	209.00	
Remarks: Copier Finance Office									
Totals for vendor 16431									209.00 *
Totals for fund 23									352.00 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 35 Highway Aid Fund									
Vendor number: 1110 GRAINGER, INC.									
35-10245-433-000000	HIGHWAY SUPPLIES	2022	65205	84036	1	N	09/28/22	92.28	
Remarks: BLACK PAINT FOR SIGN CREW									
Totals for vendor 1110									92.28 *
Vendor number: 928 MUNICIPAL SUPPLY CO.,INC U.S.									
35-10245-433-000000	HIGHWAY SUPPLIES	2022	6200629	84020	1	N	09/28/22	470.60	
Remarks: POLICE SIGNS									
35-10245-433-000000	HIGHWAY SUPPLIES	2022	6200795	84107	1	N	09/28/22	2,742.60	
Remarks: sign blanks									
Totals for vendor 928									3,213.20 *
Vendor number: 112 VERIZON									
35-10374-433-000000	MACHINERY AND EQUIPMENT MAINT.	2022	SEPT 2022	0	0	N	09/28/22	37.20	
Remarks: September Phone bill									
Totals for vendor 112									37.20 *
Totals for fund 35									3,342.68 **

Cash Requirements

Account Number	Description	Fiscal Year	Invoice Number	PO Number	PO Item Number	Spc Addr Inv	Payment Date	Item Value With Freight	
Fund number: 70 OPEB Fund									
Vendor number: 13182 BOSTON MUTUAL LIFE INSURANCE									
70-12198-488-000000	GENERAL INSURANCE EXPENSE	2022	SEPTEMBER 2022	0	0	N	09/28/22	363.58	
Remarks: Life Insurance									
Totals for vendor 13182									363.58 *
Totals for fund 70									363.58 **
Grand totals									818,820.56 ***

*** End of Report ***

BOARD OF COMMISSIONERS REGULAR PUBLIC MEETING

AGENDA ITEM

November 10, 2022	FC-02-111022	FISCAL IMPACT
DATE	*AGENDA ITEM NUMBER*	Cost > $10,000
		Yes ☐ No ☑
Finance		PUBLIC BID REQUIRED
DEPARTMENT		Cost > $20,100
		Yes ☐ No ☑

AGENDA ITEM:

Township Auditor RFP Award for Fiscal Years 2022, 2023 and 2024

EXECUTIVE SUMMARY:

Proposal quote attached.
Staff recommends the engagement contract be awarded to Barbacane, Thornton & Company, based on meeting all of the following criteria:
1) Firm and staff qualifications;
2) Relevant municipal auditing experience;
3) Reputation, in general, as evidenced by client references;
4) Annual fees and hourly rates for additional work; including no charge for technical assistance during the year.

PREVIOUS BOARD ACTIONS:

Request for proposals were sent to six qualified certified Public Accounting forms to provide auditing services for calendar years ending December 31, 2022 - 2024 inclusive. Barbacane Thornton and Company was the only firm to submit a proposal.

December 12, 2019 the Board of Commissioners approved Bee Bergvall & Co. to be the Township auditors for fiscal years 2019, 2020 and 2021.

October 13, 2016 the Board of Commissioners approved Bee Bergvall & Co. to be the Township auditors

for fiscal years 2016, 2017 and 2018.

September 12, 2013 the Board of Commissioners approved Barbacane, Thornton, & Company, LLC to be the Township auditors for fiscal years 2013, 2014, 2015, 2016 and 2017.

RECOMMENDED BOARD ACTIONS:

Motion to select Barbacane, Thornton & Company to act as Township's independent auditors for calendar years ending December 31, 2022, 2023 and 2024 and authorize the President and Township Manager to execute any appropriate agreements.

BTCPA
BARBACANE THORNTON & COMPANY

CERTIFIED PUBLIC ACCOUNTANTS

INTEGRITY □ QUALITY □ RESPONSIVENESS

Proposal to Provide Professional Auditing Services to

ABINGTON TOWNSHIP

for the Years Ending December 31, 2022, 2023, and 2024

503 Carr Road □ Suite 100 □ Wilmington, DE 19809
(302) 478-8940 □ www.btcpa.com

Edmund Fosu-Laryea, CPA □ Partner
(302) 468-4050 □ efosu-laryea@btcpa.com

AICPA GAQC Member

September 22, 2022

CPAsNET 2019 WINNER A GREAT PLACE to WORK

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A. Peer Review Report
B. Government Client List
C. Pennsylvania License
D. Continuing Professional Education

BTCPA
BARBACANE
THORNTON
& COMPANY

September 22, 2022

Ms. Jeanette M. Hermann
Finance Director
Abington Township
1176 Old York Road
Abington, PA 19001

Dear Ms. Hermann:

Thank you for considering engaging Barbacane, Thornton & Company LLP to provide audit services to Abington Township for the years ending December 31, 2022, 2023, and 2024. We believe we have a clear understanding of your requirements and have formulated an effective approach and audit team which will be entirely responsive to your needs throughout the year. Below are some of the requirements we would like you to consider.

- **Experience:** Over the past 44 years, we have served as the independent auditors for numerous governmental entities throughout Pennsylvania, Delaware, Maryland, and New Jersey including cities, townships, school districts, and special purpose authorities. Additionally, a unique aspect of our firm is the dedication of the majority of our resources to the government industry sector.

- **Responsiveness:** A relationship with our firm guarantees responsiveness and the ability to meet your needs under any circumstances and is exhibited by our recent response to the COVID-19 pandemic. When it became necessary to send people home to ensure public safety, our entire operations were able to pivot to a fully functioning work-at-home environment. Using state-of-the-art cloud-based systems to support our audit and administrative functions and with an effective telecommuting policy in place, our staff continued to work effectively at home. Our clients were already connected to secure portals, and we employed software applications which enabled our audit teams to maintain communication with one another and with clients. As an essential business, we understand the importance of timely financial audits, and we are confident that the systems designed have stood the test of this latest national crisis.

- **Commitment to Industry:** An example of our commitment to the government sector is our involvement with the Pennsylvania Institute of Certified Public Accountants through service on the Local Government Committee and being members of the Government Finance Officers Association (including participation as ACFR reviewers) and Association of Government Accountants. In recent years, we have presented at the national GFOA conferences in Philadelphia, Pennsylvania and Toronto, Canada.

In addition, our firm is a member of the AICPA Governmental Audit Quality Center. Individuals in our firm have specific additional credentials to support this sector (Certified Fraud Examiner (CFE), Certified Government Finance Manager (CGFM), Certified Government Auditing Professional (CGAP)).

- **Leading Edge Technology:** Our firm continues to develop audit tools through the use of technology. CaseWare IDEA and Excel Power BI are just some of the tools we use to extend our auditing capabilities and enable us to deliver powerful analytic intelligence designed to help analyze large amounts of data with confidence.

Our firm, Barbacane, Thornton & Company LLP, has dedicated the past 44 years to specializing in services to the government sector. Our expertise would contribute to Abington Township's standard of excellence, and we are confident in our ability to sustain you when circumstances require government expertise. Our firm has a reputation for providing cooperation and assistance to our clients as key financial accounting and reporting issues evolve.

Our audit will be performed in accordance with generally accepted auditing standards as set forth by the American Institute of Certified Public Accountants, the standards for financial audits set forth in the U.S. General Accounting Office's *Government Auditing Standards*, and the OMB Uniform Guidance (if applicable). A complete listing of the services to be performed is included under the heading Financial Reporting on pages 21 and 22 of this proposal.

Our audit will be planned working closely with Abington Township's management. All engagements undertaken by our firm are designed to include a pre-audit conference and a post-audit conference with the finance/audit committee.

At the conclusion of our fieldwork and prior to issuance of final audit reports, we will submit an audit draft to Abington Township's representatives at their office. Our observations and recommendations will be summarized in writing and will include internal control findings and recommendations (if applicable).

We appreciate the opportunity to submit our qualifications to serve Abington Township. This proposal aims at providing your organization with relevant background information about our firm and the areas of our practice that are particularly relevant to you. As we move forward, we will develop a more focused understanding of how our capabilities can best serve Abington Township.

We accept all terms and conditions in your request for proposal. This proposal is a firm and irrevocable offer for 60 days.

We are willing at any time to discuss our proposal or to make an oral presentation relative to any aspect of our proposed approach or project organization. Should you have any questions, please feel free to contact Edmund Fosu-Laryea, CPA at (302) 468-4050 or email efosu-laryea@btcpa.com.

Very truly yours,

Barbacane, Thornton & Company LLP

BARBACANE, THORNTON & COMPANY LLP

/nrl

FIRM PROFILE

OVERVIEW

Barbacane, Thornton & Company LLP is a multidimensional regional firm of certified public accountants servicing clients throughout Pennsylvania, Delaware, New Jersey, and Maryland. Established in 1978, the firm is located in Wilmington, Delaware and has grown to a professional staff of twenty-five, including five partners. We help organizations and individuals achieve their goals by consistently delivering timely, accurate, and innovative professional services. We meet or exceed the expectations of our clients, our people, and our communities with enthusiasm and integrity.

The firm is organized as a limited liability partnership, and each partner has the authority and responsibility for directing and supervising services to clients. Each partner is fully accountable to our clients for the quality of services rendered and the efficiency of the work. We have a professional commitment to be concerned with the affairs of each of our clients on a continuing basis – we add ***value*** to our clients by providing them with:

- A knowledgeable resource for evolving governmental issues
- Personalized **responsive** service
- High **quality** services
- Reasonable fees
- Delivery of service with **integrity**

A unique aspect of our firm is the dedication of all of our resources to the government and nonprofit industry sectors.

COMMITMENT TO QUALITY

The most important factor in our firm's success has been our uncompromising commitment to the highest standards of quality and professionalism. We maintain strict control over the quality of all client services to ensure our work meets the auditing standards set forth by the accounting profession as well as the firm's standards of technical excellence and professionalism.

We use advanced auditing concepts, approaches, and techniques to meet quality auditing standards in conducting audits. Our review of the system of internal control identifies potential weaknesses in an organization's accounting system, and our audit program for transactions specifies the audit procedures and detailed tests that are needed.

In addition, Barbacane, Thornton & Company LLP has undergone its eleventh peer review as a member of the American Institute of Certified Public Accountants' Private Practice Section. This is a program dedicated to ensuring that participating firms have quality control systems in place over their accounting and auditing practices. This program includes a review of our government client base as well as those nonprofit and government clients that have single audit requirements.

Firms with expertise in nonprofit and governmental auditing conducted our peer review, and each included a review of specific single audit clients. We were pleased that we have always received pass reports and believe they reflect our commitment to quality work. A copy of our peer review report is located in Appendix A.

SPECIALIZED GOVERNMENTAL INDUSTRY PRACTICE

The government industry is one of only two industries that our firm's management committee has selected for long-term investment. This means we dedicate all of our firm personnel and resources to ensure that we stay abreast of emerging industry issues. This allows us to better serve our clients.

Our government specialty group is charged with keeping our clients and our professionals informed about significant developments in the industry, and about the impact of these developments on the management and fiscal control techniques of government organizations.

We develop industry expertise through participation in industry associations and activities, publications, special programs, and other means. This allows us to proactively manage the needs of our government clients. Their backgrounds include experience in the following areas:

1. Preparation and review of annual financial statements including annual comprehensive financial report (ACFR)
2. Preparation of information returns for federal and state governments
3. Audits designed to meet grantors' requests
4. Consent and comfort letters for bond sales
5. Financial models and forecasts
6. Preparation and review of policy and procedures manuals
7. Internal control reviews
8. New GASB implementations

Members of this group stay abreast of the latest in government developments, policies, and issues locally, regionally, and nationwide.

Industry Activities

Members of our government specialty group are actively involved in a wide spectrum of industry activities. They participate frequently as speakers at technical meetings and are recognized as educators for several state and national organizations.

The Governmental Audit Quality Center

The firm demonstrates its commitment to government audit quality through its membership in the American Institute of Certified Public Accountants' (AICPA) Governmental Audit Quality Center (GAQC). The AICPA helps firms achieve the highest standards in performing quality government audits. As a

member of the GAQC, the firm must adhere to a set of requirements which mandate practices which are above what is normally required in conducting government audits. Membership is voluntary. Our firm has made the commitment to provide the highest level of services to the government sector and, therefore, maintains a membership in the GAQC.

CPAsNET

Barbacane, Thornton & Company LLP is a founding member of CPAsNET, a consortium of independent, cutting-edge accounting firms. We recognize the need to provide governments with an in-depth understanding of their issues. Collectively, CPAsNET audits more than 500 government organizations throughout the United States. This provides us with the resources to bring not only cutting-edge insight into the management of these organizations, but also the opportunity to share with our clients the knowledge they need to lead their boards.

Investing in CPAsNET allows our firm access to domestic and global resources for the benefit of our clients. CPAsNET represents more than 100 partners, 300 professional associates, and 500 employees located in major metropolitan areas throughout the United States of America and has global affiliations in every country.

Equal Opportunities Policy

Our firm is committed to the full utilization of all human resources and to a policy of equal employment opportunity. Our commitment means that, in matters of affecting employment or application for employment, our firm will accord each person equal treatment with respect to all terms, conditions, and privileges of employment, including recruitment, hiring, placement, and opportunities for advancement, regardless of race, color, religion, marital status, national origin, sex, physical or mental disability, age, genetic information, or other legally protected status.

You may discuss equal employment opportunity-related questions and concerns with our Firm Administrator, Doris Kerr. She may be reached at (302) 468-4004.

Experience and Commitment to Serving the Public Sector in the Philadelphia Region

Our firm is committed to serving the public sector in the Philadelphia region, which is demonstrated by our volunteer efforts serving on boards of various organizations, participating in fundraising events, and speaking at state conferences (PICPA, PA GFOA) on issues that affect governmental entities in the Philadelphia region.

STRENGTH OF OUR GOVERNMENT PRACTICE

We serve as independent auditors and advisors for many large government organizations. Our entire practice is devoted to governmental clients much as a single department might be dedicated in a larger firm. Therefore, we feel just as confident, if not more so, in our abilities to service large government clients. A selected sample of our government clients throughout Pennsylvania include the following:

■ City of Coatesville	■ Borough of Swarthmore
■ Delaware County Solid Waste Authority	■ Swarthmore Borough Authority
■ Borough of Downingtown	■ Swarthmore Non-Uniformed Pension
■ Downingtown Non-Uniformed Pension	■ Swarthmore Police Pension
■ Downingtown Police Pension	■ Swarthmore Public Library
■ Downingtown Municipal Water Authority	■ Tredyffrin Township
■ East Pikeland Township	■ Tredyffrin Deferred Compensation Plan
■ Haverford Township	■ Tredyffrin Police Pension
■ Leacock Township	■ Upper Uwchlan Township*
■ Leacock Township Municipal Authority	■ Upper Uwchlan Township Authority
■ London Grove Township	■ Upper Uwchlan Non-Uniformed Pension
■ London Grove Municipal Authority	■ Upper Uwchlan Township Police Pension
■ Borough of Media	■ West Chester Area School District*
■ Media Business Authority	■ West Goshen Township
■ Media Fire Company	■ West Goshen Non-Uniformed Pension
■ Media Tax Collector	■ West Goshen Police Pension
■ Township of Middletown	■ West Goshen Sewer Authority
■ Middletown Free Library Association	■ West Goshen Sewer Pension
■ Middletown Non-Uniformed Pension Plan	■ West Goshen Tax Collector
■ School District of Philadelphia*	■ West Pikeland Township
■ Solanco School District*	■ West Vincent Township

* Prepares ACFR and recipient of GFOA Certificate of Achievement for Financial Reporting

ASSURANCES

Barbacane, Thornton & Company LLP is independent of Abington Township as defined by auditing standards generally accepted in the United States of America.

Barbacane, Thornton & Company LLP and all assigned key professional staff proposed are properly licensed in the Commonwealth of Pennsylvania to practice as certified public accountants.

Barbacane, Thornton & Company LLP is currently a member of the American Institute of Certified Public Accountants and the Pennsylvania Institute of Certified Public Accountants and adheres to the professional standards of audit practices and conduct.

Barbacane, Thornton & Company LLP has no personal interest, direct or indirect, in the fiscal affairs of Abington Township or any of its elected or appointed officials.

Barbacane, Thornton & Company LLP has had no relationship involving Abington Township for the past three years.

Barbacane, Thornton & Company LLP has not had any regulatory enforcement actions taken against the firm or current or former principals or charges of substandard audit work within the last three years.

Barbacane, Thornton & Company LLP has never been debarred, fined, or had a contract terminated by any federal, state, or local government or private entity.

Barbacane, Thornton & Company LLP is committed to the accounting and audit field for the long term as evidence in our 44 years of existence in the government industry.

Barbacane, Thornton & Company LLP complies with the continuing education and peer review requirements of the Pennsylvania State Board of Accountancy, GAO, and the AICPA.

Barbacane, Thornton & Company LLP received a pass report on its latest peer review. A firm in the expertise in government auditing conducted our peer review, which included a review of a sample of our government single audits and government yellow book audits (*Government Auditing Standards*).

Barbacane, Thornton & Company LLP understands that work papers will be maintained for a minimum of five (5) years and will be made available for examination at the request of the Township.

Barbacane, Thornton & Company LLP has two partners that volunteer their time with the Government Finance Officers Association (GFOA) Special Review Committee for the Certificate of Achievement for Excellence in Financial Reporting Program (GFOA Technical ACFR Reviewer). These partners are Steven N. Kutsuflakis, CPA and Timothy L. Sawyer, CPA, CGMA.

REFERENCES

Barbacane, Thornton and Company LLP serves 150 governmental organizations as independent auditors and advisors. Our entire practice is devoted to nonprofit and government clients much as a single department might be dedicated in a larger firm. Therefore, we feel just as confident, if not more, in our abilities to service government clients. You may contact the following references. Also see Appendix B for a complete list of our current government clients. We will provide additional references upon request.

BOROUGH OF DOWNINGTOWN, PENNSYLVANIA
Scope of Work: Financial Statement Audit and Annual Audit and Financial Report
Dates: Years ended December 31, 2021, 2020, 2019, 2018, and 2017
Engagement Partner: Edmund Fosu-Laryea, CPA
Contact: Kerry Eltman, Director of Finance
Phone Number: (610) 269-0344

TOWNSHIP OF HAVERFORD, PENNSYLVANIA
Scope of Work: Financial Statement Audit, Annual Audit and Financial Report, and Single Audit
Dates: Years ended December 31, 2021, 2020, 2019, 2018, and 2017
Engagement Partner: Steven N. Kutsuflakis, CPA
Contact: Aimee Cuthbertson, CPA, Director of Finance
Phone Number: (610) 446-1000

CITY OF SALISBURY, MARYLAND
Scope of Work: Financial Statement Audit and Single Audit
Dates: Years ended June 30, 2021, 2020, 2018, 2017, and 2016*
Engagement Partner: Timothy L. Sawyer, CPA, CGMA
Contact: Keith Cordrey, Director of Finance
Phone Number: (410) 548-3110

* After 10 years, the City of Salisbury issued an RFP and accepted a lower bid for the year ended June 30, 2019. After one year, they returned as a client. We have been engaged to conduct their 2022 audit.

TREDYFFRIN TOWNSHIP, PENNSYLVANIA
Scope of Work: Financial Statement Audit
Dates: Years ended December 31, 2020, 2019, 2018, 2017, and 2016
Engagement Partner: Steven N. Kutsuflakis, CPA
Contact: Joseph DiRocco, CPA, Director of Finance
Phone Number: (610) 644-1400

UPPER UWCHLAN TOWNSHIP, PENNSYLVANIA
Scope of Work: Financial Statement Audit (ACFR)
Dates: Years ended December 31, 2021, 2020, 2019, 2018, and 2017
Engagement Partner: Jeffrey A. Kowalczyk, CPA, CFE, CGAP
Contact: Jill Bukata, Director of Finance
Phone Number: (610) 646-7008

ENGAGEMENT TEAM

Our team of professionals is excited to make Abington Township a part of our existing client base. Our specialization enables us to dedicate resources to your specific needs.

Your Audit Team

We have assigned a multidisciplinary team to serve you. The team has a proven track record in delivering quality audit services to clients in the government services sector. Below is a brief narrative identifying the individuals and their professional experience that will be assigned to your engagement.

Edmund Fosu-Laryea, CPA
Audit Partner



Mr. Fosu-Laryea will be the partner in charge of your engagement and will remain your key contact person throughout the engagement and throughout the year. He will be ultimately responsible for adherence to professional standards and timetables.

- Goldey-Beacom College (BS, MBA) graduate
- 12+ years auditing experience
- Frequent presenter at the firm's annual seminar
- Chairman of the firm's data extraction and analytical procedures committees
- Board member of Ingleside Homes, a Delaware nonprofit whose mission is "to ensure that every senior, regardless of their level of income, has an opportunity to live the fullest possible life at his or her highest level of independence." Mr. Fosu-Laryea's commitment to understanding the impact of housing and related issues for underserved populations enhances his effectiveness with urban municipal clients.
- Past Audit Partner of Abington Township

Joseph V. Manfre, CPA
Supervisor



Mr. Manfre will work as the supervisor of the audit team and will bring his experience with other related entities.

- Widener University (BS) graduate
- Joined the firm in August 2016
- Member of the American Institute of Certified Public Accountants
- Dedicated to our government and nonprofit client base
- Serves as PICPA Firm Ambassador
- Joe is known for his commitment to fitness and is a regular at charity 5k events.

Senior, Semi-Senior, and Staff Accountants

Because our firm specializes in the government sector, you can be assured that the staff assigned to your engagement have been trained and have experience in conducting fieldwork on government audits. It is the policy of Barbacane, Thornton & Company LLP to provide at least 80 credit hours of continuing professional education every two years, of which approximately 40 credit hours pertain to areas directly related to government/nonprofits. Because of our commitment to the government sector, this exceeds the *Government Auditing Standards* requirements. In addition, all staff are supported by the firm in successful completion of the uniform CPA exam - presently, all but our newest college recruits have successfully completed the exam. As an audit-only CPA firm, it is imperative that our staff achieve this designation.

Staff Commitment

We recognize the importance of maintaining staff continuity on engagements. We invest a significant amount of resources in training our staff and promote a culture of professional growth. We commit to maintaining continuity of key management personnel on your engagement. We will make every effort to provide continuity of staff on your engagement.

Tyler Long, CPA
Senior Accountant



Mr. Long will work as a senior accountant of the audit team and will bring his experience with other related entities.

- Drexel University (BS) and University of Scranton (MAcc) graduate
- Joined the firm in 2018
- Licensed to practice in Delaware
- Dedicated to our government and nonprofit client base
- In his free time, Mr. Long enjoys exercising, playing basketball, and exploring hiking trails with his dog.

Some of Mr. Long's government experience has included assignments such as the Town of Chesapeake Beach, New Hope-Solebury School District, Reading Housing Authority, Borough of Downingtown, and Township of Middletown.

Hannah H. Wang
Semi-Senior Accountant



Ms. Wang will work as a semi-senior accountant of the audit team and will bring her experience with other related entities.

- Joined the firm in March 2021
- University of Delaware (MS) graduate
- Passed all parts of the CPA exam and is currently pursuing CPA license
- Dedicated to our government and nonprofit client base
- Dynamic and motivated bilingual professional with education background and proven work ethic to support financial operations such as financial reporting and analysis, auditing, accruals, and more within the banking and finance industries

Some of Ms. Wang's government experience includes the City of Coatesville, Borough of Downingtown, City of Lebanon, Chichester School District, and Northwood Academy Charter School.

Quality Control Team

Pamela W. Baker, CPA, CGFM
Managing Partner



As managing partner, all audit plans, work programs, timetables, and staffing are reviewed and approved by Ms. Baker.

- Lynchburg College graduate
- 35+ years of experience in auditing and advisory services to non-profit and governmental organizations
- Frequent presenter at local, state-wide, and national conferences
- Chair of the United Way of Delaware Women United Advisory Committee
- Member of Audit and Compliance Committee of Beebe Healthcare
- Board member of the PICPA Foundation
- Has been providing meals to the Ronald McDonald House of Delaware for 20+ years

Jeffrey A. Kowalczyk, CPA, CFE, CGAP
Concurring Reviewer



Mr. Kowalczyk will be utilized on your engagement for technical advice and expertise. He will be responsible for the concurring review of your engagement.

- University of Delaware (BS) and West Chester University (MBA) graduate
- 13+ years of audit, advisory, and tax experience
- Member of Pennsylvania Institute of CPAs Non-Profit Thought Leadership Committee
- Frequent presenter at local and state conferences on not-for-profit and governmental accounting and operations topics
- Serves as the firm's designated partner in charge of all ERISA employee benefit plan audits
- Treasurer and Finance Committee chair of Philadelphia Sinfonia Association

Steven N. Kutsuflakis, CPA
Quality Control Reviewer



Mr. Kutsuflakis will be utilized on your engagement for technical advice and expertise. As the firm's Quality Control partner, he is responsible for making sure that the firm's quality control policies and procedures are adequately designed and complied with during the conduct of all engagements. He will be responsible for the final engagement quality control review of your audit plan and final product.

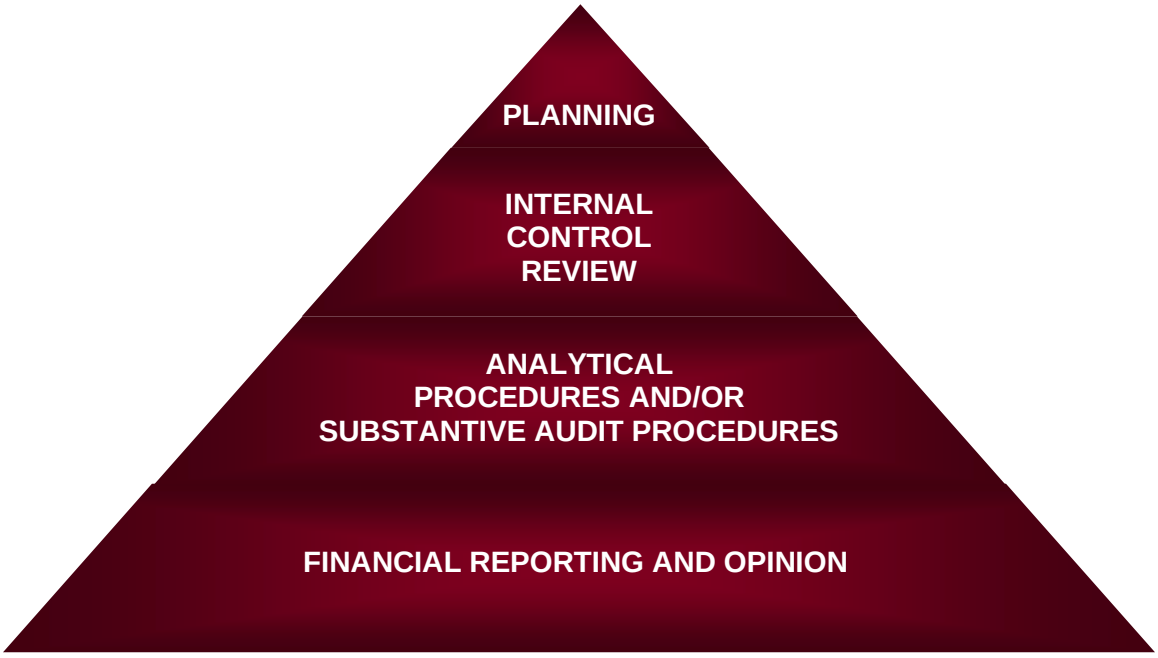
- West Virginia University (BSBA) graduate
- 20+ years auditing and advisory experience
- Member of the Government Finance Officers Association (GFOA) Special Review Committee for the Certificate of Achievement for Excellence in Financial Reporting Program (GFOA Technical ACFR Reviewer)
- Performs Engagement Quality Control Reviews for other Firms audit engagements
- Designated as the firm's Quality Control Partner. In this capacity, he is responsible for making sure that the firm's quality control policies and procedures are adequately designed and complied with during the conduct of all engagements.
- Member of Finance Committee at Ursuline Academy in Wilmington, Delaware

FINANCIAL STATEMENT AUDIT APPROACH

While the range of services provided by most accounting firms has expanded significantly, audits continue to be the dominant aspect of our practice. We reject the idea that an audit is a commodity. In today's competitive marketplace (even for governmental organizations), it is imperative that financial reporting communicates efficiency and effectiveness in delivery of services designed to meet their mission. In the course of delivering audit services, your accounting firm should generate information and develop insights that will result in improved controls and safeguards ultimately leading to greater efficiencies and clear, concise, and understandable financial reporting that is respected by the financial community. Our professionals combine competence with judgment, maturity, and creativity – prerequisites for a quality audit.

Effective Audit Approach

Our audit approach begins with understanding our client's business and the environment in which they operate. We then identify key business processes and complete an internal control review. After completion of the internal control review, analytical procedures are performed. Depending on the results of the internal control review and analytical procedures, substantive tests are designed to meet all remaining audit objectives. The final phase of the audit entails completing the financial statements and preparing the auditor's opinion. Our audit approach is depicted as follows:



Planning the Audit

The first phase of the audit entails planning the audit. The objective of planning is to complete the following:

- Gain an understanding of the industry in which you operate, including the regulatory environment and the external risks that affect Abington Township. Examples of external risks and business drivers include:

Regulatory	Economic	Media
Technology	Political	Social

- Gain an understanding of Abington Township's long-term strategy, business objectives, and business risks that may impede the attainment of those objectives.

- Gain a basic understanding of your system of internal control. The five interrelated components are as follows:

COMPONENT	DESCRIPTION
Control Environment	Sets the tone of the organization, influencing consciousness of its people. It is the foundation for all other components of internal control, providing discipline and structure.
Risk Assessment	Entity's identification and analysis of relevant risks to achievement of its objectives, forming a basis for determining how the risks should be managed.
Control Activities	Policies and procedures that help ensure that management directives are carried out.
Information and Communication	Identification, capture, and exchange of information in a form and time frame that enable people to carry out their responsibilities.

- Apply preliminary analytical procedures on the working trial balance and budget.

- Identify audit risk and match the audit risks to your business processes and financial statements. We document this analysis on the following forms:

  - Government Organization Risk Identification and Planning Form
  - Government Risk Assessment Summary Form

- Other procedures that will be performed during the planning phase include assessing materiality, preparing confirmations, and reading minutes of Board and Finance Committee meetings.

Internal Control Review

The internal control review begins at a high level during the planning phase of the audit. For each of the processes identified as having a material risk on the financial statements, we will document the process and identify internal controls within the process. At this point, a preliminary assessment of low, moderate, or high control risk will be made. If control risk is assessed as high, no additional control work will be completed on that process. If control risk is assessed as low or moderate, we will design and execute tests of controls and determine the effectiveness of the controls identified. We will focus on manual as well as technology controls. The following chart depicts control categories and control testing techniques that we will utilize:

CONTROL CATEGORY	CONTROL TECHNIQUE
✓ Authorization	✓ Corroborative Inquiry
✓ Configuration	✓ Inquiry
✓ Mapping	✓ Inspection
✓ Exception/Edit Reporting	✓ Knowledge Assessment
✓ Interface/Conversion Controls	✓ Observation
✓ Key Performance Indicators	✓ Re-performance
✓ Management Review	✓ System Query
✓ Reconciliation	✓ System Access
✓ Segregation of Duties	

We will interview appropriate personnel to gain an understanding of each of the key processes. Examples of processes for your organization include:

- Cash and investment management
- Inventory control
- Procurement
- Grant management (done in conjunction with single audit)
- Human resource management
- Financial reporting
- Debt management
- Facilities management
- Billing procedures including electronic toll

We use a combination of automated flowcharts, memorandums, and questionnaires as the method of documenting our understanding of your internal control structure. Such flowcharts, memorandums, and questionnaires provide us with a sufficient understanding of your internal control system, enabling us to plan the remaining audit procedures.

When areas of weaknesses within the internal control structure are noted, we will discuss them with management to determine whether such weaknesses are compensated for by some other control. If not otherwise compensated, we will decide what changes, if any, in the nature and timing of validation and other audit procedures are necessary.

For single audit purposes, we perform compliance tests of controls to provide evidence as to the proper operation of the grant management internal control structure. Based on the results of compliance tests, we determine the nature, timing, and extent of our substantive tests of transactions and account balances and analytical review procedures.

Audit Programs

After the assessment of the internal control structure, we will determine the appropriate audit programs and procedures to be utilized. The audit programs that we will use are contained in the *Knowledge Based Audits of Local Governments* published by Wolters Kluwer. These manuals were subjected to peer review with an unqualified opinion issued. Our approach is to tailor our work programs to your specific needs. All detailed work programs, as modified, are approved at three different levels within the firm.

The same processes identified in the internal control section are the areas we believe we will have to focus audit effort.

Statistical Sampling

Barbacane, Thornton & Company LLP uses the audit and accounting guide entitled *Audit Sampling* and Statements on Auditing Standards to apply all audit sampling, statistical and nonstatistical.

Analytical Reviews

After the completion of the internal control structure assessment and the testing of the controls, analytical procedures will be completed. As an audit test, analytical procedures will be done at the process level. The basis of analytical procedures is to develop an expectation of an outcome based on empirical data (i.e. history, budget, peer organization, etc.). Examples of analytical procedures include the following:

- Comparison of amounts to prior periods
- Comparison of amounts to budget
- Calculation and comparison of key performance indicators (ratio analysis)

  Examples include:

  - Percentage of investment income to average investment balance
  - Percentage of employee benefit expense to total payroll
  - Days payable outstanding
  - Percentage of interest expense to average notes payable outstanding
  - Percentage of payroll expense to total expense

Substantive Procedures

The level of substantive audit procedures performed will vary depending on the control risk assessed in the internal control review phase of the audit.

CONTROL RISK	EXTENT OF SUBSTANTIVE PROCEDURES
Low	Minimal substantive procedures necessary to confirm financial statement assertions and meet audit objectives not met by internal control work.
Moderate	Substantive procedures will be performed to meet audit objectives in which controls were weak.
High	Majority of work completed will be substantive in nature.

Substantive procedures will vary for each process and may include vouching accounts payable; reviewing detailed loan agreements; recalculating bank reconciliations; and confirming bank balances, investment balances, receivables, and grant revenues. After the completion of the internal control review, substantive procedures will be designed for your audit.

Use of Technology in the Audit

In recent years, technology improvements have provided new and exciting ways to enhance the efficiency and effectiveness of the audit process. Our firm utilizes a paperless audit environment, in which all audit work papers are maintained electronically in a secure environment. All machines are password protected with individual, non-shared passwords that are updated periodically to ensure client data safety. Much of our audit risk assessment is automated through the use of Wolters Kluwer's *Knowledge Based Audits of Local Governments*, a software program which assists our auditors in documenting and evaluating controls, assessing risks, and identifying appropriate and efficient audit approaches.

Our firm also utilizes CaseWare IDEA data extraction software and Excel Power BI to perform certain auditing functions. These are powerful tools designed to help accounting professionals extend their auditing capabilities and deliver powerful analytic intelligence designed to help analyze large amounts of data with confidence.

In today's automated world, it is essential for auditors to be able to analyze and compare large volumes of data. Software applications give us the ability to import virtually limitless amounts of data from practically any source to identify specific data types and perform analytics to search for trends, outliers, and anomalies. Also, it enables us to examine all transactions within a system and produce exception reports. Typical tests include a comparison of vendor and employee addresses (to search for potential fictitious vendors) and Benford's law analysis (an analysis of the first digit of each transaction to determine if their distribution is consistent with a random pattern – a failed Benford's law analysis can indicate fictitious entries).

Our use of technology also allows us to provide enhanced services outside of the normal audit timeline to interested organizations. One burgeoning area is continuous auditing, which involves the analysis of financial data throughout the year, providing management and/or the governance board with rapid notice of any unusual or suspicious activity, allowing resolution in a prompt manner. We would be happy to discuss ways to incorporate continuous auditing or something similar into your risk management process.

SINGLE AUDIT APPROACH

Audits of government organizations that expend greater than $750,000 in federal awards are completed in accordance with the Government Accounting Office's (GAO) *Government Auditing Standards* (the Yellow Book). In addition, procedures are applied by the auditors to comply with the requirements of the Office of Management and Budget's (OMB) Uniform Guidance.

The following depicts the phases and the procedures of a single audit engagement:

DETERMINE MAJOR PROGRAMS

1. Determine amount of federal expenditures for the year.
2. Determine CDFA number for federal expenditures.
3. Determine if the auditee is high or low risk.
4. Determine if federal programs are Type A (greater than $750,000) or Type B (less than $750,000).
5. Determine if Type A and B programs are high or low risk.
6. Calculate percentage of coverage.
7. Select additional programs if appropriate coverage is not achieved.

DETERMINE COMPLIANCE REQUIREMENTS AND RELATED CONTROL RISK

1. Based on the CDFA number of the major programs, review the OMB *Compliance Supplement* and/or grant agreement and determine the compliance requirements applicable to the program.
2. Interview appropriate Township personnel, and document the internal control structure related to each of the material compliance requirements.
3. Identify the internal control strengths and weaknesses within each material compliance requirements.
4. Assess preliminary control risk as low, moderate, or high.
5. Test internal control strengths (if applicable).
6. Conclude on control risk.

SUBSTANTIVE PROCEDURES

1. Based on the assessment of control risk and amount of time transactions occur, determine substantive sample sizes for each material compliance requirement (i.e. if control risk is high and the transaction occurs daily, the sample size will be greater than if control risk is low and the transaction occurs monthly).
2. Select samples from the Township's supporting documents (general ledger, financial reports, etc.)
3. Complete compliance requirement audit procedures detailed in the OMB *Compliance Supplement*.

REPORTING

1. Compile findings (if any) identified in the internal control and substantive test work.
2. Discuss with the Township and update for any additional information provided to us.
3. Complete the required auditor opinions, schedule of expenditures of federal awards and required notes, and data collection form.

SCOPE OF AUDIT AND DELIVERABLES

The objectives of the audit of the financial statements of the Township will be to determine (1) whether the financial statements of the Township are presented in accordance with accounting principles generally accepted in the United States of America; (2) whether the Township has complied with laws and regulations for those transactions and events that may have a material effect on the financial statements; and (3) whether the Township has designed internal controls over financial reporting that reduce to a relatively low level the risk that misstatements in amounts that would be material in relation to the financial statements will occur and not be detected within a timely period by employees in the normal course of performing their assigned functions.

Our audit will be performed in accordance with generally accepted auditing standards as set forth by the American Institute of Certified Public Accountants, the standards for financial audits set forth in the U.S. General Accounting Office's *Government Auditing Standards*, and the OMB Uniform Guidance (if applicable).

Financial Reporting

We will be responsible for providing you with the following services:

- We will perform annual audits of the Pennsylvania DCED-CGLS-30 (Long Form) annual audit and financial report of Abington Township as required under Generally Accepted Auditing Standards. These financial statements will be prepared on the modified accrual basis of accounting.
- We will prepare the summary financial statement for publication in the newspaper.
- We will perform annual audits of Abington Township's basic financial statements as required under Generally Accepted Auditing Standards. These financial statements will be prepared in accordance with GASB 34 and other applicable accounting standards.
- We will perform annual single audits under the Office of Management and Budget's ("OMB") Uniform Guidance.
- We will perform annual audits on the tax office financial statement and will complete a tax office narrative and agreed-upon procedures report.
- We will perform annual agreed-upon procedures reports for the two District Justice Offices.
- We will work with Township personnel to complete the ACFR in a timely manner, including preparation of financial statements, review of Township-provided information, and completion of the ACFR disclosure checklist, and will provide a completed report in electronic format to the Township for submission of the package to GFOA prior to the June 30 deadline.

- We will provide the Township with copies of working trial balances, adjusting journal entries, and other working papers and analyses used to prepare the financial statements upon completion of fieldwork.

- Your audit partner and senior manager will be available to attend at least two (February and May) but not more than three public and/or private meetings with the Township Board of Commissioners to present the final audit report, plus a reasonable number of other meetings with Township management to discuss the audit report, Annual Comprehensive Financial Report, and, if applicable, the management letter.

- We will provide information throughout our tenure as auditors to update the Township on technical pronouncements which would impact the Township's financial reporting and/or auditing standards which would impact the annual audit process.

Management Recommendations Letter

We will submit a management letter to the Township Manager if any material weaknesses or other reportable conditions are discovered.

- The letter will include any findings, observations, opinions, comments, or recommendations relating to internal control; accounting systems; data processing; compliance with laws, policies, and procedures; or any other matters that come to our attention during the course of the audit.

A general overall assessment of the strengths and weaknesses of fiscal controls observed by us will be discussed with Township management at the end of each year's audit process.

Assistance with Completion of Other Reports

- We will also complete, in a timely manner, other federal and state reports that may be required outside of the general scope of the annual audit described in the RFP, including audits required under the Single Audit Act.

- We may charge a separate fee for these services rendered under Section III.F.1 based upon the hourly rates listed in this proposal.

Irregularities and Illegal Acts

We will provide immediate notification to the Township Manager and Finance Director of any difficulties encountered during the audit, any fraud or material misstatement concerning the finances, irregularities or illegal acts, and any matters related to the financial statements or accounting practices.

Working Paper Retention

We agree to retain, as our expense, all audit working papers and reports for a minimum of five (5) years, unless we are notified in writing by the Township of the need to extend the retention period.

Additional Responsibilities and Services

We will be available for technical assistance throughout the fiscal year as a part of the overall audit contract.

- This assistance includes answering accounting, reporting, or internal control questions related to Abington Township's financial statements.

We understand that we may be requested to perform special projects for Abington Township during the year. Such additional work will be contracted and billed separately to Abington Township on an hourly basis and will be agreed upon prior to completion.

Reporting to the Audit Committee

As your auditors, we will ensure that Abington Township's Audit/Finance Committee is informed of each of the following:

- The auditor's responsibility under Generally Accepted Auditing Standards
- Significant accounting policies
- Management judgments and accounting estimate
- Significant audit adjustments
- Other information in documents containing audited financial statements
- Disagreements with management
- Management consultation with other accountants
- Major issues discussed with management prior to retention
- Difficulties encountered in performing the audit
- Any indications of fraud or any information uncovered relating to any real or suspected improprieties by Abington Township's personnel

PROJECT ADMINISTRATION

Tentative Audit Schedule

We agree to meet or exceed the specifications and schedules listed in Sections II and III of your Request for Proposal. Work on the annual audit shall be according to a schedule agreeable to both the Township and the auditor. The following is a tentative schedule for each annual fiscal year audit.

1. Pre-audit conference with Abington Township Audit Committee – Prior to year end
   We understand that no work can commence until a service agreement is signed and executed by both Abington Township and the auditor.

2. Interim fieldwork/preliminary internal control testing – November/December

3. Detailed audit plan and a list of all schedules to be prepared by Abington Township – December

4. Full on-site fieldwork – February/March

5. Draft financial report (including single audit), tax office financial statement, tax office narrative, and agreed-upon procedures report due – by last Thursday in April

6. Final financial report (including single audit), tax office financial statement, tax office narrative, and agreed-upon procedures report due – by third Thursday in May

7. We will complete and deliver the Commonwealth of Pennsylvania Annual Audit and Financial Report to the Pennsylvania Department of Community and Economic Development and other required agencies in accordance with State timetables. A draft will be submitted to the Finance Director no later than March 25 for approval prior to submission to the required agencies. One copy of the final report will be delivered to the Finance Director and Township Manager. *The Township will be responsible for filing the Annual Audit and Financial Report with the State and County and for advertising the summary financial statement.*

8. *Township management will prepare the Introductory and Statistical sections of the Annual Comprehensive Financial Report no later than June 10.* We will compile, draft, and complete a through review of the Annual Comprehensive Financial Report to be submitted to the Township no later than June 15, or otherwise, in time to meet the June 30 deadline.

9. We will complete the agreed-upon procedures report for the two District Justice Offices by the second Thursday of July.

10. Post-audit conference with Abington Township Audit Committee – To Be Determined

Assistance to be Provided to the Auditor

Use of Township Staff in Preparing the Annual Audit

1. The Township Finance Department staff will be available to prepare trial balances and other basic supporting schedules, from which, in part, we will formulate the general purpose financial statements.

2. The preparation of confirmations will be the responsibility of Abington Township.

3. The preparation of various balance sheet accounts will be provided by Abington Township.

4. The Township will make every effort to provide an adequate, comfortable working area so that the audit can be accomplished in an efficient and timely manner.

PRICE COMMITMENT

	2022	2023	2024
Township audit	$ 48,250	$ 48,250	$ 48,250
Single audit	$ 8,000	$ 8,000	$ 8,000
Tax audit	$ 9,500	$ 9,500	$ 9,500
Portion paid by the school	$ (4,500)	$ (4,500)	$ (4,500)
Cost to assist with the ACFR	$ 1,750	$ 1,750	$ 1,750
Agreed-upon procedures report for District Justices' Offices	$ 3,500	$ 3,500	$ 3,500
Technical assistance provided during the year such as, but not limited to bond issues, payroll taxes, journal entries, etc.	N/C	N/C	N/C

If awarded the contract, Barbacane, Thornton & Company LLP requires a signed engagement letter for each year that is audited. Issues requiring extensive research and special projects would require an addendum to the engagement letter. At such time, we will confirm with management the objectives of the additional work and agree upon a fee. Any additional work outside of the scope of the audit relating to the implementation of any new GASB statements will be discussed with management prior to incurring any additional fees.

Additional services are billed at our standard hourly rates or at an agreed-upon fixed fee. Our standard billing rates are as follows:

Level of Staff	Hourly Rate
Partner	$ 300 - 345
Manager	225
Supervisor	190 - 180
Senior	150
Semi-Senior	125
Staff	85 - 115

Incidental costs, such as travel and mileage, are included in our fixed fee proposals above. For additional work performed at hourly rates, incidental costs would be billed at either 1) actual cost or 2) an agreed-upon fixed fee. *A written agreement for any additional work, including an explanation of the billing for incidentals, would be prepared before any such costs would be incurred.*

Your audit partner will be available throughout the year for consultation on finance and accounting issues. We do not believe in billing for short conversations regarding finance and accounting issues.

We reiterate our strong interest in making Abington Township a client and do not want fees to be the reason why we are not awarded your contract. If at any time you have a question or concern regarding our proposed fees, please bring it to our attention so that we can discuss it and establish a mutually acceptable fee arrangement.

THE BARBACANE DIFFERENCE

We at Barbacane, Thornton & Company LLP have committed our resources to the government industry. Our strength is our commitment to the mission of every government that we serve. Because of our focused dedication to your industry, we are able to keep abreast of the changes within your industry as well as the accounting and auditing changes that affect government organizations. This results in tailored audit plans and programs that reflect your business. In addition to the technical superiority that arises from dedicating resources to one industry, client service is also superior.

The following words summarize the Barbacane difference:

INTEGRITY ***QUALITY*** ***RESPONSIVENESS***

Serving Our Clients

Our clients are our business; therefore, we serve them with professionalism and integrity. We believe in maintaining a continuous relationship with our clients throughout the year. If at any time during the year you have technical accounting questions or internal control questions, we urge you to get us involved early, especially if it is an issue that will affect our subsequent years' audits.

Information Systems Audit Capabilities

We understand the technological environment in which our clients operate. As such, we identify technology controls within your processes and will test those controls. In addition, we may notify you of areas in which you can increase the use of technology to become more efficient and still maintain a strong internal control structure.

Our audit approach is based on the use of technology. We utilize electronic workpaper programs and software that allow your engagement team's computers to talk with one another at your location. This improves the efficiency and effectiveness of our audit process.

Client Satisfaction and Retention

We believe the satisfaction of our clients is of the utmost importance and take steps prior to, during, and subsequent to the audit to ensure clients remain satisfied. By firm policy, at least five percent of the total hours allocated to your engagement are reserved for meetings with the engagement partner to discuss the Township's engagement status. At the end of each engagement, we send a brief questionnaire to the client to ensure satisfaction with the audit process and engagement team. We are pleased to report that our surveys for the most recent year indicated very high client satisfaction.

Our annual client retention rate is in excess of 95 percent, with an annual organizational growth of approximately 10 percent. Through this incremental growth, we are able to expand our ability to provide high quality services to our clients.

Implementation of New Standards

The Governmental Accounting Standards Board (GASB) has, in recent years, issued several new pronouncements which involve complex accounting transactions. As a firm dedicated to the government sector, we have developed a training program, provided for the benefit of our clients, to assist in the implementation of new standards. We continue to react to new pronouncements as they become effective. Our partners regularly participate in the exposure draft stages of new pronouncements to gain in-depth knowledge of the application. We share that with our clients as a way of providing value to the sector.

OTHER SERVICES

Barbacane, Thornton & Company LLP provides many services to our clients throughout the year. The following is a listing of some of the services that we provide:

- Government auditing, including pension plans, authorities, fire companies, libraries, and tax collectors
- Single audits
- Preparation and review of annual comprehensive financial report
- Budgeting
- Construction fund audits of special projects (Plancon J audits)
- Assistance in preparation of bond financing statements
- Preparation of comfort letters for bond issuance
- Implementation of GASB statements
- Grant specific audits (DCED)
- Agreed-upon procedures
- Planning and budgeting systems
- Internal control reviews
- Research finance and accounting issues
- Review of financial statements
- Financial and compliance auditing
- Special-purpose studies
- Pension and other benefit packages and compliance
- Financial forecasting and modeling

APPENDIX A:
PEER REVIEW REPORT

Goff Backa Alfera & Company, LLC
Certified Public Accountants

3325 Saw Mill Run Blvd.
Pittsburgh, PA 15227-2736
412/885-5045
Fax 412/885-4870
www.gbaco.com

Report on the Firm's System of Quality Control

February 14, 2020

To the Partners of Barbacane, Thornton & Company, LLP and
the Peer Review Committee of the Pennsylvania Institute of Certified Public Accountants

We have reviewed the system of quality control for the accounting and auditing practice of Barbacane, Thornton & Company, LLP (the firm) in effect for the year ended August 31, 2019. Our peer review was conducted in accordance with the Standards for Performing and Reporting on Peer Reviews established by the Peer Review Board of the American Institute of Certified Public Accountants (Standards).

A summary of the nature, objectives, scope, limitations of, and the procedures performed in a System Review as described in the Standards may be found at www.aicpa.org/prsummary. The summary also includes an explanation of how engagements identified as not performed or reported in conformity with applicable professional standards, if any, are evaluated by a peer reviewer to determine a peer review rating.

Firm's Responsibility

The firm is responsible for designing a system of quality control and complying with it to provide the firm with reasonable assurance of performing and reporting in conformity with applicable professional standards in all material respects. The firm is also responsible for evaluating actions to promptly remediate engagements deemed as not performed or reported in conformity with professional standards, when appropriate, and for remediating weaknesses in its system of quality control, if any.

Peer Reviewer's Responsibility

Our responsibility is to express an opinion on the design of the system of quality control and the firm's compliance therewith based on our review.

Required Selections and Considerations

Engagements selected for review included engagements performed under *Government Auditing Standards*, including compliance audits under the Single Audit Act, and an audit of an employee benefit plan.

As a part of our peer review, we considered reviews by regulatory entities as communicated by the firm, if applicable, in determining the nature and extent of our procedures.

Opinion

In our opinion, the system of quality control for the accounting and auditing practice of Barbacane, Thornton & Company, LLP in effect for the year ended August 31, 2019, has been suitably designed and complied with to provide the firm with reasonable assurance of performing and reporting in conformity with applicable professional standards in all material respects. Firms can receive a rating of pass, pass with deficiency(ies), or fail. Barbacane, Thornton & Company, LLP has received a peer review rating of pass.

Goff Backa Alfera & Company, LLC

GOFF BACKA ALFERA & COMPANY, LLC
PITTSBURGH, PENNSYLVANIA

APPENDIX B: GOVERNMENT CLIENT LIST

GOVERNMENT CLIENTS SERVED

- Academia Antonia Alonso Charter School
- Academy of Dover Charter School
- Agora Cyber Charter School
- Allentown Neighborhood Improvement Zone
- Annapolis Housing Authority
- Trustees of Arden
- Village of Arden
- Atlantic City Housing Authority
- Avon Grove Charter School
- Avon Grove School District
- Banneker Gardens
- Bellefonte, Town of
- Belmont Hills Fire Company
- Berks Career & Technology Center
- Berks County Housing Authority
- Bethlehem Housing Authority
- Boyertown Area School District
- Boyertown Area School District Tax Collectors
- Bradley Crossing, LLC
- Brookside Glen Limited Partnership
- Bryn Mawr Fire Company
- Catoctin Manor, LLC
- Center for Student Learning Charter School at Pennsbury
- Central Delaware County Authority
- Charlestown Township
- Chesapeake Beach, MD, Town of
- Chester County Association of Township Officials
- Chester County Housing Authority
- Chester County Tax Collection Committee
- Chester Economic Development Authority
- Chester Housing Authority
- Chester Redevelopment Authority
- Chichester School District
- Christopher Columbus Charter School
- Coatesville, City of
- Code Differently
- College Park Housing Authority
- Collegium Charter School
- Columbia County Housing Authority
- Colwyn, Borough of
- Conrad Weiser Area School District
- Cumberland Housing Authority
- Delaware County Area VoTech School
- Delaware County Interactive Gaming Revenue Authority
- Delaware County Intermediate Unit
- Delaware County Solid Waste Authority
- Delaware Military Academy
- Dothan Surgery Center
- Downingtown, Borough of
- Downingtown Area Recreation Consortium
- Downingtown Non-Uniformed Pension
- Downingtown Police Pension
- Downingtown Municipal Water Authority
- East Brandywine Fire Company
- East Caln Township
- East Nottingham Township
- East Pikeland Township
- Eastern Lebanon County School District
- Easton, City of
- EastSide Charter School
- Explorations Mental Health Services
- First State Military Academy
- First State Montessori Academy
- Franklin County Housing Authority
- Franklin Township
- Frederick Housing Authority
- Frostburg Housing Authority
- Gateway Lab School
- Gladwyne Fire Company
- Hagerstown Housing Authority
- Haverford, Town of
- Honey Brook Township
- I-LEAD, Inc.
- Insight PA Cyber Charter School
- Interboro School District
- Jenkintown, Borough of
- Kennett Consolidated School District
- Lansdowne, Borough of
- Las Américas ASPIRA Academy
- Leacock Township
- Leacock Township Municipal Authority
- City of Lebanon
- Lebanon School District
- Lehighton Area School District
- Lincoln Charter School
- London Grove Township
- London Grove Township Municipal Authority
- Lower Gwynedd Township Tax Collector
- Lower Oxford Township
- Lower Merion Township
- Magruder's Discovery Development Corporation
- Marcus Hook, Borough of
- Media, Borough of

GOVERNMENT CLIENTS SERVED (cont'd)

- Media Business Authority
- Media Fire Company
- Media Tax Collector
- Merion Fire Company of Ardmore
- Middletown Township Non-Uniformed Pension
- Middletown Township, Delaware County
- Mitchell Landing Apartments
- Montgomery County Intermediate Unit #23
- Montgomery County Intermediate Unit Education Foundation
- Morrisville Borough
- MOT Charter School
- Municipal Services Commission
- Narberth, Borough of
- New Hope Borough
- New Hope-Solebury School District
- Newark Charter School
- Newark Housing Authority
- Newport, Town of
- North Coventry Township
- Northwood Academy Charter School
- Odyssey Charter School
- Oil City Housing Authority
- Oxford Area School District
- Parkesburg, Borough of
- Penn Wynne/Overbrook Hills Fire Company
- Pennridge School District
- Pennsbury Township
- Pennsylvania Virtual Charter School
- Perryville, Town of
- Philadelphia Academy Charter School
- Philadelphia E&T Charter High School
- Philadelphia, School District of
- Pocopson Township
- Port Deposit, MD, Town of
- Positive Outcomes Charter School
- Preparatory Charter School, Friends of
- Preparatory Charter School, The
- Providence Creek Academy Charter School, Inc.
- Providence Creek Academy Foundation
- Proximate Network, Inc.
- Reading Housing Authority
- Rehoboth Beach, City of
- Ridley Park, Borough of
- River Oak Development, LLC
- Rose Tree Media School District
- Russell Byers Charter School
- Salisbury, City of
- Salisbury Township School District
- Salisbury Zoo Commission
- Schuylkill Township
- Schuylkill Township Tax Collector
- Solanco School District
- Souderton Charter School Collaborative
- Southeast Delco School District
- St. Lawrence, Borough of
- St. Lawrence Tax Collector
- Sussex Academy
- Swarthmore, Borough of
- Swarthmore Borough Authority
- Swarthmore Borough Non-Uniformed Pension
- Swarthmore Borough Police Pension
- Takoma Park, City of
- Thornbury Township, Chester County
- Tredyffrin Deferred Compensation Plan
- Tredyffrin Police Pension
- Tredyffrin Township
- Twin Valley School District
- Union Fire Association of Lower Merion
- Upper Uwchlan Township
- Upper Uwchlan Township Authority
- Upper Uwchlan Township Non-Uniformed Pension
- Upper Uwchlan Township Police Pension
- Wallace Township
- Wallace Township Municipal Authority
- Wayne County Housing Authority
- Weatherstone Homeowners Association, Inc.
- West Chester Area School District
- West Goshen Non-Uniformed Pension
- West Goshen Police Pension
- West Goshen Sewer Authority
- West Goshen Sewer Pension
- West Goshen Tax Collector
- West Goshen Township
- West Nantmeal Township
- West Pikeland Township
- West Vincent Township
- West Whiteland Township
- Westtown-East Goshen Police Commission
- William Penn School District
- William Penn School District Tax Collectors
- Wilmington, Charter School of
- Wilmington Children's Chorus
- Wyoming County Housing Authority
- Young Scholars Charter School

APPENDIX C: PENNSYLVANIA LICENSE



BUREAU OF PROFESSIONAL AND OCCUPATIONAL AFFAIRS

P. O. Box 2649

Harrisburg, PA 17105-2649

05/10/2022

License Information

BARBACANE THORNTON AND COMPANY

THE LAFAYETTE BUILDING 103 CHESLEY
DRIVE SUITE 200
MEDIA, Pennsylvania 19063

Board/Commission:	State Board of Accountancy	Status Effective Date:	05/10/2022
LicenseType:	Accountancy Firm	Issue Date:	02/13/1979
Specialty Type:		Expiration Date:	12/31/2023
License Number:	AF000413L	Last Renewal:	01/10/2020
Status:	Active		

Disciplinary Action Details

No disciplinary actions were found for this license.

This site is considered a primary source for verification of license credentials provided by the Pennsylvania Department of State.

APPENDIX D: CONTINUING PROFESSIONAL EDUCATION

EDMUND FOSU-LARYEA, CPA ***CONTINUING PROFESSIONAL EDUCATION***

COURSE TITLE	DATE	FORMAT	CREDIT	PROVIDER
Winter Training - Winter Audit Season	01/21/2017	Group:Live	1	Barbacane Thornton & Company LLP 142279
Winter Training - Winter Audit Season	01/21/2017	Group:Live	1	Barbacane Thornton & Company LLP 142279
Winter Training - Winter Audit Season	01/21/2017	Group:Live	2.5	Barbacane Thornton & Company LLP 142279
Winter Training - Winter Audit Season	01/21/2017	Group:Live	1.5	Barbacane Thornton & Company LLP 142279
Forensic Analytics and Employee Fraud	04/26/2017	Group:Live	7.5	DE Office of Auditor of Accounts 122406
Delaware Ethics for CPAs	05/15/2017	Group:Live	4	DE Society of CPAs PX-002081-L
School District Conference	06/01/2017	Group:Live	8	PICPA PX-000490-L
How to Deliver Best in Class Client Service	06/16/2017	Group:Live	3	CPASNET 103532
PPC 990 Deskbook Course 3	06/28/2017	Self-Study	8	Checkpoint Learning 103166 (T Reuters)
KBA Methodology Training	11/07/2017	Group:Live	16	CCH Group 103021
Audit Confirmation Tools	11/07/2017	Group:Live	1	Confirmation Com
Knowledge Coach Industry Template	11/09/2017	Group:Live	4	CCH Group 103021
Knowledge Coach Best Practices	11/09/2017	Group:Live	4	CCH Group 103021
Winter Training - 2018	01/15/2018	Group:Live	1	Barbacane Thornton & Company LLP 142279
Winter Training - Winter Audit Season	01/15/2018	Group:Live	2	Barbacane Thornton & Company LLP 142279
AHACPA PHA Conference	06/22/2018	Group:Live	16	AHACPA #107749
Delaware Ethics for CPAs	06/30/2018	Self-Study	4	Surgent ID 103212
PA School District Annual Client Seminar	07/29/2018	Group:Live	4	Barbacane Thornton & Company LLP 142279
Tax Exempt Orgs: Basic Issues for Operating, Organizing & Preparing Forms	12/13/2018	Group:Live	8	Barbacane Thornton & Company LLP 142279
CCH Axcess Practice Basics	05/01/2019	Group:Live	2	Barbacane Thornton & Company LLP 142279
Not-For-Profit Financial Reporting: Mastering the Unique Requirements	05/09/2019	Group:Live	8	DE Society of CPAs PX-002081-L
The 2018 Yellow Book: What You Need to Know	06/24/2019	Group:Internet-Based	2	AICPA 112891
2019 Pennsylvania School District Client Seminar	06/25/2019	Group:Live	4	Barbacane Thornton & Company LLP 142279
2019 Pennsylvania School District Seminar (Instructor Prep)	06/25/2019	Group:Live	1	Barbacane Thornton & Company LLP 142279
Companion to PPC's Guide to Audits of Nonprofit Organizations - Pre-engagement Activities	06/26/2019	Self-Study	8	Checkpoint Learning 103166 (T Reuters)
Manager Training Program Live	07/12/2019	Group:Live	11	CPASNET 103532
How to Delegate to Develop	08/19/2019	Group:Internet-Based	2.4	CPASNET 103532
Performance Management Fundamentals	09/30/2019	Group:Internet-Based	2.4	CPASNET 103532
How to Manage Performance Problems	11/18/2019	Group:Internet-Based	2.4	CPASNET 103532
FxEngagement Fund Reporting	12/13/2019	Group:Internet-Based	6	CCH Group 103021
How to Handle Conflict	01/20/2020	Group:Internet-Based	2.4	CPASNET 103532
Making the Move to Work From Home	04/28/2020	Group:Internet-Based	1	CPAsNET 103532
Approaches to Conducting a Remote Audit	04/29/2020	Group:Internet-Based	1.5	CPAsNET 103532
Accounting and Auditing Update	05/12/2020	Group:Internet-Based	4	AICPA PX-177106
Pennsylvania School District Conference	05/28/2020	Group:Internet-Based	8	PICPA PX-000490-L
BTCPA School Client Seminar	07/09/2020	Group:Internet Based	3	Barbacane Thornton & Company LLP 142279
Preparing for your First Single Audit	09/14/2020	Group:Internet-Based	2	AICPA PX-177106
Winning When Working Remotely	11/03/2020	Group:Internet-Based	2.4	Convergence Coaching 108041
How to Tell Your Story During a Pandemic	11/10/2020	Group:Internet-Based	4	Barbacane Thornton & Company LLP 142279
Creating a Virtual Professional Presence	12/04/2020	Group:Internet-Based	1.5	Barbacane Thornton & Company LLP 142279
Form 990 Preparation	05/05/2021	Group:Live	1	Barbacane Thornton & Company LLP 142279
Pennsylvania School District Conference	06/03/2021	Group:Internet-Based	10	PICPA PX-000490-L
AICPA Not-for-Profit Industry Conference 2021	06/09/2021	Group:Internet-Based	19	AICPA PX-177106

COURSE TITLE	DATE	FORMAT	CREDIT	PROVIDER
Winter Training - Winter Audit Season	01/21/2017	Group:Live	2.5	Barbacane Thornton & Company LLP
PA School District Annual Client Seminar	07/29/2018	Group:Live	4	Barbacane Thornton & Company LLP 142279
Applying the Uniform Guidance in Your Single Audits (Yellow Book)	12/21/2018	Self-Study	11	AICPA 112891
Advanced Topics in a Single Audit	12/28/2018	Self-Study	9.5	AICPA 112891
SSARS 21: Focus on Preparation, Compilation and Review	01/25/2019	Self-Study	5	PICPA PX-000490-L
CCH Axcess Practice Basics	05/01/2019	Group:Live	2	Barbacane Thornton & Company LLP 142279
2019 Pennsylvania School District Client Seminar	06/25/2019	Group:Live	4	Barbacane Thornton & Company LLP 142279
2019 CCH User Conference	10/25/2019	Group:Live	18	CCH Group 103021
FxEngagement Fund Reporting	12/13/2019	Group:Internet-Based	6	CCH Group 103021
Ethics: CPAs Recent Illegal and Discreditable Acts	03/30/2020	Group:Internet-Based	4	CPA Crossings LLC #108744
Approaches to Conducting a Remote Audit	04/29/2020	Group:Internet-Based	1.5	CPAsNET 103532
Accounting and Auditing Update	05/12/2020	Group:Internet-Based	4	AICPA PX-177106
Pennsylvania School District Conference	05/28/2020	Group:Internet-Based	8	PICPA PX-000490-L
BTCPA School Client Seminar	07/09/2020	Group:Internet Based	3	Barbacane Thornton & Company LLP 142279
Winning When Working Remotely	11/03/2020	Group:Internet-Based	2.4	Convergence Coaching 108041
Creating a Virtual Professional Presence	12/04/2020	Group:Internet-Based	1.5	Barbacane Thornton & Company LLP 142279
Yellow Book and Single Audit Deficiencies	12/04/2020	Self-Study	4	Checkpoint Learning #103166
Leading from the Middle	12/15/2020	Group:Internet-Based	2.4	Convergence Coaching 108041
Forensic Accounting	12/24/2021	Self-Study	4	Checkpoint Learning #103166
GAO Standards - Yellow Book	12/29/2020	Self-Study	6	Checkpoint Learning #103166
Internal Control and Fraud in Governments and Nonprofits	12/29/2020	Self-Study	2	Checkpoint Learning #103166
Fraud Prevention	12/30/2020	Self-Study	4	Checkpoint Learning #103166
Ethics for CPAs	12/30/2020	Self-Study	4	Checkpoint Learning #103166
Creating a Culture of Ownership on Your Jobs	01/07/2021	Group:Internet-Based	2.4	Convergence Coaching 108041
Mastering the Art of Time Management 2019	01/13/2021	Group:Internet-Based	3.4	Convergence Coaching 108041
Becoming an Excellent Communicator	01/19/2021	Group:Internet-Based	2.4	Convergence Coaching 108041
Increasing Your Professional Visibility and Reach	02/02/2021	Group:Internet-Based	2.4	Convergence Coaching 108041
Form 990 Preparation	05/05/2021	Group:Live	1	Barbacane Thornton & Company LLP 142279
AICPA Not-for-Profit Industry Conference 2021	06/09/2021	Group:Internet-Based	19	AICPA PX-177106

COURSE TITLE	DATE	FORMAT	CREDIT	PROVIDER
DCDE Audit Training	01/11/2019	Group:Live	3	Barbacane Thornton & Company LLP 142279
CCH Axcess Practice Basics	05/01/2019	Group:Live	2	Barbacane Thornton & Company LLP 142279
Pennsylvania School District Conference	05/30/2019	Group:Live	5	PICPA PX-000490-L
2019 Pennsylvania School District Client Seminar	06/25/2019	Group:Live	3	Barbacane Thornton & Company LLP 142279
CCH Axcess Tax End User Overview	09/06/2019	Group:Internet-Based	2	CCH Group 103021
FxEngagement Fund Reporting	12/13/2019	Group:Internet-Based	6	CCH Group 103021
Winning When Working Remotely	11/03/2020	Group:Internet-Based	2.4	Convergence Coaching 108041

PAMELA W. BAKER, CPA, CGFM *CONTINUING PROFESSIONAL EDUCATION*

COURSE TITLE	DATE	FORMAT	CREDIT	PROVIDER
Hot Topics for Winter Audits	01/16/2016	Group:Live	2	Barbacane Thornton & Company LLP 142279
Hot Topics for Winter Audits (Instructor with Prep 3.0)	01/16/2016	Group:Live	3	Barbacane Thornton & Company LLP 142279
Hot Topics for Winter Audits	01/16/2016	Group:Live	1	Barbacane Thornton & Company LLP 142279
GAQC Annual Update	04/19/2016	Group:Live	2	AICPA 112891
GFOA-PA Annual Conference	05/25/2016	Group:Live	15	GFOA-PA PA Sponsor #PX177133
PA School District Conference	06/02/2016	Group:Live	8	PICPA PX-000490-L
PA School District Conference (Instructor with Prep 2.0)	06/02/2016	Group:Live	2	PICPA PX-000490-L
Critical Update: DOL OT Regulations	06/08/2016	Group:Live	1	Surgent ID 103212
How to Deliver Best In Class Client Service	06/16/2016	Group:Live	2	CPASNET 103532
Local Government Conference (Ethics)	07/12/2016	Group:Live	1	PICPA PX-000490-L
Local Government Conference	07/12/2016	Group:Live	16	PICPA PX-000490-L
Local Government Conference (Instructor with Prep 3.0)	07/12/2016	Group:Live	3	PICPA PX-000490-L
Leadership Conference	09/19/2016	Group:Live	8	PICPA PX-000490-L
CPAsNET Mid Year Meeting	11/01/2016	Group:Live	12.5	CPASNET 103532
Winter Training - The Winter Audit Season (Instructor Prep/Class Instruction 3.0)	01/21/2017	Group:Live	3	Barbacane Thornton & Company LLP 142279
PPC 990 Deskbook Course	06/09/2017	Self-Study	8	Checkpoint Learning 103166 (T Reuters)
CPAsNET Annual Meeting	06/23/2017	Group:Live	6.5	CPASNET 103532
CPAsNET Annual Meeting	06/23/2017	Group:Live	11.5	CPASNET 103532
PA Government Conference	07/10/2017	Group:Live	3	PICPA PX-000490-L
PA Local Government Conference	07/11/2017	Group:Live	15	PACPA PX-000490-L
2017 Leadership Conference	09/18/2017	Group:Live	8	PICPA PX-000490-L
Audit Confirmation Tools	11/07/2017	Group:Live	1	Confirmation Com
KBA Methodology Training	11/07/2017	Group:Live	16	CCH Group 103021
Knowledge Coach Best Practices	11/09/2017	Group:Live	4	CCH Group 103021
Knowledge Coach Industry Template	11/09/2017	Group:Live	4	CCH Group 103021
CPAsNET.com Mid-Year Meeting	11/10/2017	Group:Live	3.5	CPASNET 103532
Winter Training - 2018	01/15/2018	Group:Live	1.5	Barbacane Thornton & Company LLP
Tax Update	02/21/2018	Group:Live	2	Assoc of Gov Accountants 104201
New Federal Tax Legislation	02/22/2018	Group:Live	4	Young Conaway Stargatt & Taylor LLP
Revenue and Expense Recognition	03/14/2018	Group:Live	1	GASB Financial Accounting Foundation 107522
Pennsylvania School District Conference	05/31/2018	Group:Live	6	PICPA PX-000490-L
Qualified Bus Income Deduction & Other Areas of Tax Cuts and Jobs Act	06/06/2018	Group:Live	1	PACPA PX-000167-L
2018 GAQC Annual Update Webcast	06/15/2018	Group:Internet-Based	2	AICPA 112891
CPAsNET Conference	06/22/2018	Group:Live	20.5	CPASNET 103532
Delaware Ethics	06/26/2018	Self-Study	4	Surgent ID 103212
Women's Leadership Conference	06/28/2018	Group:Live	8	PICPA PX-000490-L
Government Accounting Conference	07/10/2018	Group:Live	16	PICPA PX-000490-L
PA School District Annual Client Seminar	07/29/2018	Group:Live	4	Barbacane Thornton & Company LLP 142279
Tax Exempt Orgs: Basic Issues for Operating, Organizing & Preparing Forms	12/13/2018	Group:Live	8	Barbacane Thornton & Company LLP 142279
CCH Axcess Practice Basics	05/01/2019	Group:Live	2	Barbacane Thornton & Company LLP 142279
CPAsNET 26th Annual Meeting	06/21/2019	Group:Live	16	CPASNET 103532
2019 Pennsylvania School District Client Seminar	06/25/2019	Group:Live	4	Barbacane Thornton & Company LLP 142279
2019 Pennsylvania School District Seminar (Instructor Prep)	06/25/2019	Group:Live	1	Barbacane Thornton & Company LLP 142279
Not-For-Profit and Government Accounting Conference	07/23/2019	Group:Live	17	PICPA PX-000490-L
2019 Leadership Conference	09/19/2019	Group:Live	8	PICPA PX-000490-L
Form 990: Learn from the Experts	12/11/2019	Group:Internet-Based	2	AICPA PX-177106
FxEngagement Fund Reporting	12/13/2019	Group:Internet-Based	6	CCH Group 103021
PICPA Legislative Update Webinar	02/20/2020	Group:Internet-Based	1	PICPA PX-000490-L

PAMELA W. BAKER, CPA, CGFM *CONTINUING PROFESSIONAL EDUCATION*

COURSE TITLE	DATE	FORMAT	CREDIT	PROVIDER
Risky Business: Conducting Remote Audits in Uncertain Times	03/23/2020	Group:Internet-Based	1	AICPA PX-177106
Ethics: CPAs Recent Illegal and Discreditable Acts	03/30/2020	Group:Internet-Based	4	CPA Crossings LLC #108744
COVID-19: Federal, State and Local Tax Implications Webinar	04/02/2020	Group:Internet-Based	2	PICPA PX-000490-L
What's the Plan? NFP Strategy and Budgeting	04/29/2020	Group:Internet-Based	2	AICPA PX-177106
Approaches to Conducting a Remote Audit	04/29/2020	Group:Internet-Based	1.5	CPAsNET 103532
2020 GAQC Annual Update Webcast	05/05/2020	Group:Internet-Based	2	AICPA PX-177106
Nonprofit Internal Financial Statement Walkthrough	06/18/2020	Group:Internet-Based	2	AICPA PX-177106
BTCPA School Client Seminar	07/09/2020	Group:Internet Based	3	Barbacane Thornton & Company LLP 142279
Not-For-Profit and Government Accounting Conference	07/14/2020	Group:Internet-Based	17	PICPA PX-000490-L
Data Driven Decision Making	09/28/2020	Self-Study	1.5	AICPA PX-177106
Winning When Working Remotely	11/03/2020	Group:Internet-Based	2.4	Convergence Coaching 108041
CPAsNET 27th Mid-Year Conference	11/06/2020	Group:Internet-Based	11.1	CPASNET 103532
How to Tell Your Story During a Pandemic	11/10/2020	Group:Internet-Based	4	Barbacane Thornton & Company LLP 142279
PPP Update and Roundtable: Unpacking PPP Loan Forgiveness	11/16/2020	Group:Internet-Based	1.8	CPASNET 103532
AICPA Town Hall Series	12/03/2020	Group:Internet-Based	1	AICPA PX-177106
Creating a Virtual Professional Presence	12/04/2020	Group:Internet-Based	1.5	Barbacane Thornton & Company LLP 142279
Successful PPP Loan Forgiveness The Delaware Way	12/08/2020	Group:Internet-Based	2	DE Society of CPAs PX002081L
AICPA Town Hall Series	12/10/2020	Group:Internet-Based	1	AICPA PX-177106
Navigating the .CPA Domain	12/10/2020	Group:Internet-Based	1	CPASNET 103532
GASB Update	02/03/2021	Group:Internet-Based	1.4	Assoc of Gov Accountants 104201
Jim Collins - The Roadmap to Greatness	02/18/2021	Group:Internet-Based	2.5	AICPA PX-177106
Ethics for Delaware CPAs	05/03/2021	Self-Study	4	CCH Group 103021
2021 Annual Required GAQC Webcast	05/04/2021	Group:Internet-Based	2	AICPA PX-177106
Form 990 Preparation	05/05/2021	Group:Live	1	Barbacane Thornton & Company LLP 142279

COURSE TITLE	DATE	FORMAT	CREDIT	PROVIDER
Hot Topics for Winter Audits	01/16/2016	Group:Live	4	Barbacane Thornton & Company LLP 142279
Hot Topics for Winter Audits (Instructor with Prep 2.0)	01/16/2016	Group:Live	2	Barbacane Thornton & Company LLP 142279
Not for Profit Committee Meeting	01/07/2016	Group:Live	1	PICPA PX-000490-L
Next Generation Leadership: Passport to Partnership	01/18/2016	Group:Live	8	PICPA PX-000490-L
PA School District Conference	06/02/2016	Group:Live	8	PICPA PX-000490-L
Ethical Issues NFP Governance	06/20/2016	Group:Live	2	AICPA 112891
NFP Governance	06/22/2016	Group:Live	5	AICPA 112891
Aligning Mission & Strategy (NFP Governance)	06/22/2016	Group:Live	1.5	AICPA 112891
NFP Financial Reporting	06/30/2016	Group:Live	11.5	AICPA 112891
Form 990 Prep	06/30/2016	Group:Live	2.5	AICPA 112891
Performance Measurement: NFP Governance	07/05/2016	Group:Live	2	AICPA 112891
Maintaining Tax Exempt: NFP Tax Compliance	07/05/2016	Group:Live	1.5	AICPA 112891
UBIT Case Studies: NFP Tax Compliance	07/05/2016	Group:Live	2	AICPA 112891
Form 990 Preparation: Schedules and Compliance	07/05/2016	Group:Live	2.5	AICPA 112891
Five Fraud Magazine CPE Quizzes	07/18/2016	Self-Study	10	ACFE
Not for Profit Committee Meeting	07/27/2016	Group:Live	1	PICPA PX-000490-L
Cert Gov Auditing Prof Certificate	12/29/2016	Group:Live	20	Institute of Internal Auditors 108897
Cert Gov Auditing Prof Certificate	01/01/2017	Group:Live	20	Institute of Internal Auditors 108897
Rx to Relieving State Solicitation Regstr Headache	01/18/2017	Group:Live	2	AICPA 112891
Winter Training - Winter Audit Season	01/21/2017	Group:Live	6	Barbacane Thornton & Company LLP 142279
Implementing New NFP Stnds-Practical Considerations	03/29/2017	Group:Live	2	AICPA 112891
School District Conference	06/01/2017	Group:Live	9	PICPA PX-000490-L
How To Deliver Best-in-Class Client Service	06/19/2017	Group:Live	3	CPASNET 103532
Five Fraud Magazine CPE Quizzes	07/23/2017	Self-Study	8	ACFE
Five Fraud Magazine CPE Quizzes	07/25/2017	Self-Study	2	ACFE
2017 Leadership Conference	09/18/2017	Group:Live	8	PICPA PX-000490-L
Winter Training 2018	01/15/2018	Group:Live	6.6	Barbacane Thornton & Company LLP 142279
PSABO Conference	03/08/2018	Group:Live	8	PSABO PX-000482-L
Employee Benefit Plans Conference 2018	05/17/2018	Group:Live	24	AICPA 112891
Pennsylvania School District Conference (ID 28855)	05/31/2018	Group:Live	8	PICPA PX-000490-L
Delaware Ethics for CPAs	06/25/2018	Self-Study	4	Surgent ID 103212
PA School District Annual Client Seminar	07/29/2018	Group:Live	4	Barbacane Thornton & Company LLP 142279
Tax Exempt Orgs: Basic Issues for Operating, Organizing & Preparing Forms	12/13/2018	Group:Live	8	Barbacane Thornton & Company LLP 142279
PASBO Annual Conference	03/09/2019	Group:Live	11	PSABO PX-000482-L
Communicating Financial Results to Constituents (Instructor w/Prep)	04/30/2019	Group:Live	2.5	GFOA-PA PA Sponsor #PX177133
CCH Axcess Practice Basics	05/01/2019	Group:Live	2	Barbacane Thornton & Company LLP 142279
Employee Benefit Plans Conference	05/21/2019	Group:Live	8	PICPA PX-000490-L
Pennsylvania School District Conference	05/30/2019	Group:Live	8	PICPA PX-000490-L
2019 Pennsylvania School District Client Seminar	06/25/2019	Group:Live	4	Barbacane Thornton & Company LLP 142279
2019 Pennsylvania School District Seminar (Instructor Prep)	06/25/2019	Group:Live	1	Barbacane Thornton & Company LLP 142279
Fighting Fraud in the Government	07/29/2019	Self-Study	20	ACFE
CCH Axcess Tax End User Overview	09/06/2019	Group:Internet-Based	2	CCH Group 103021
CCH Axcess Tax Admin and Set Up	09/06/2019	Group:Internet-Based	4	CCH Group 103021
Protecting Your Practice: The Power of Documentation	10/16/2019	Group:Internet-Based	1	LearnLive Technologies ID#108061
Engagement Letters: Preparing for Success	11/07/2019	Group:Internet-Based	1	LearnLive Technologies ID#108061
Accounting Ethics: A Risk Management Perspective	11/13/2019	Group:Internet-Based	2	LearnLive Technologies ID#108061
FxEngagement Fund Reporting	12/13/2019	Group:Internet-Based	6	CCH Group 103021
Ethics: When CPAs Make the Headlines	04/08/2020	Group:Internet-Based	4	CPA Crossings 108744

JEFFREY A. KOWALCZYK, CPA, CFE, CGAP ***CONTINUING PROFESSIONAL EDUCATION***

COURSE TITLE	DATE	FORMAT	CREDIT	PROVIDER
Coronavirus: Overcoming Challenges Facing the Nonprofit Sector	04/09/2020	Group:Internet-Based	2	CPA Crossings 108744
Making the Move to Work From Home	04/28/2020	Group:Internet-Based	1	CPAsNET 103532
Approaches to Conducting a Remote Audit	04/29/2020	Group:Internet-Based	1.5	CPAsNET 103532
Navigating Employment and PPP Challenges Amid COVID-19	04/30/2020	Group:Internet-Based	2	CPAsNET 103532
Employee Benefit Plans Conference	05/19/2020	Group:Internet-Based	7	PICPA PX-000490-L
PA School District Conference	05/28/2021	Group:Internet-Based	8	PICPA PX-000490-L
BTCPA School Client Seminar	07/09/2020	Group:Internet Based	3	Barbacane Thornton & Company LLP 142279
Not-for-Profit and Government Accounting Conference	07/14/2020	Group:Internet-Based	18	PICPA PX-000490-L
2019 Fraud Magazine Quizzes	07/29/2020	Self-Study	10	Fraud Magazine
Winning When Working Remotely	11/03/2020	Group:Internet-Based	2.4	Convergence Coaching 108041
CPAsNET 27th Mid-Year Conference	11/06/2020	Group:Internet-Based	4	CPASNET 103532
How to Tell Your Story During a Pandemic	11/10/2020	Group:Internet-Based	4	Barbacane Thornton & Company LLP 142279
Creating a Virtual Professional Presence	12/04/2020	Group:Internet-Based	1.5	Barbacane Thornton & Company LLP 142279
Auditing Not-for-Profit Entities: Superior Skills for an Effective and Efficient Audit	12/23/2020	Self-Study	8	Surgent ID 103212
PASBO Annual Conference 2021	03/17/2021	Group:Internet-Based	8	PASBO
Ethics for Delaware CPAs	04/23/2021	Self-Study	4	CCH Group 103021
Form 990 Preparation	05/05/2021	Group:Live	1	Barbacane Thornton & Company LLP 142279

COURSE TITLE	DATE	FORMAT	CREDIT	PROVIDER
Hot Topics for Winter Audits	01/16/2016	Group:Live	3	Barbacane Thornton & Company LLP 142279
Hot Topics for Winter Audits	01/16/2016	Group:Live	2	Barbacane Thornton & Company LLP 142279
Not For Profit Conference	06/07/2016	Group:Live	8	PICPA PX-000490-L
How to Deliver Best In Class Client Service	06/16/2016	Group:Live	2	CPASNET 103532
Local Government Conference	07/12/2016	Group:Live	16	PICPA PX-000490-L
Winter Training - Winter Audit Season	01/21/2017	Group:Live	1	Barbacane Thornton & Company LLP 142279
Winter Training - Winter Audit Season	01/21/2017	Group:Live	2.5	Barbacane Thornton & Company LLP 142279
Winter Training - Winter Audit Season (Classroom Instructor w/Prep 1.5)	01/21/2017	Group:Live	1.5	Barbacane Thornton & Company LLP 142279
Winter Training - Winter Audit Season	01/21/2017	Group:Live	1	Barbacane Thornton & Company LLP 142279
GASB 75 OPEB Implementation: GA, A&A Considerations	02/08/2017	Group:Internet-Based	4	AICPA 112891
Delaware Ethics for CPAs	05/15/2017	Group:Live	4	DE Society of CPAs PX-002081-L
CGAP Certification	05/24/2017	Group:Live	24	Management Concepts 103278
PPC 990 Deskbook Course 3	06/12/2017	Self-Study	8	Checkpoint Learning 103166 (T Reuters)
CPAsNET Annual Meeting	06/23/2017	Group:Live	14	CPASNET 103532
Audit Confirmation Tools	11/07/2017	Group:Live	1	Confirmation Com
KBA Methodology Training	11/07/2017	Group:Live	16	CCH Group 103021
Knowledge Coach Industry Template	11/09/2017	Group:Live	4	CCH Group 103021
Knowledge Coach Best Practices	11/09/2017	Group:Live	4	CCH Group 103021
Winter Training - Winter Audit Season (Classroom Instructor w/Prep 6.8)	01/15/2018	Group:Live	6.8	Barbacane Thornton & Company LLP 142279
Winter Training - Winter Audit Season	01/15/2018	Group:Live	1.3	Barbacane Thornton & Company LLP 142279
Winter Training - 2018	01/15/2018	Group:Live	1	Barbacane Thornton & Company LLP 142279
Winter Training - 2018	01/15/2018	Group:Live	1	Barbacane Thornton & Company LLP 142279
Not-for-Profit Industry Conference 2018	06/20/2018	Group:Live	21.5	AICPA 112891
Delaware Ethics for CPAs	06/30/2018	Self-Study	4	Surgent ID 103212
PA School District Annual Client Seminar	07/29/2018	Group:Live	4	Barbacane Thornton & Company LLP 142279
Accounting and Auditing Conference	12/05/2018	Group:Live	8	PICPA PX-000490-L
Tax Exempt Orgs: Basic Issues for Operating, Organizing & Preparing Forms	12/13/2018	Group:Live	8	Barbacane Thornton & Company LLP 142279
CCH Axcess Practice Basics	05/01/2019	Group:Live	2	Barbacane Thornton & Company LLP 142279
Pennsylvania School District Conference	05/30/2019	Group:Live	8	PICPA PX-000490-L
Not-for-Profit Industry Conference 2019	06/12/2019	Group:Live	21	AICPA 112891
2019 Pennsylvania School District Client Seminar	06/25/2019	Group:Live	4	Barbacane Thornton & Company LLP 142279
2019 Pennsylvania School District Seminar (Instructor Prep)	06/25/2019	Group:Live	1	Barbacane Thornton & Company LLP 142279
2019 CCH User Conference	10/25/2019	Group:Live	18	CCH Group 103021
Fraud and Embezzlement: Risk Management Strategies and More	11/12/2019	Group:Internet Based	2	Barbacane Thornton & Company LLP 142279
FxEngagement Fund Reporting	12/13/2019	Group:Internet-Based	6	CCH Group 103021
Coronavirus: Overcoming Challenges Facing the Nonprofit Sector	04/09/2020	Group:Internet-Based	2	PICPA PX-000490-L
Making the Move to Work From Home	04/28/2020	Group:Internet-Based	1	CPAsNET 103532
Approaches to Conducting a Remote Audit	04/29/2020	Group:Internet-Based	1.5	CPAsNET 103532
Pennsylvania School District Conference	05/28/2020	Group:Internet-Based	8	PICPA PX-000490-L
BTCPA School Client Seminar	07/09/2020	Group:Internet Based	3	Barbacane Thornton & Company LLP 142279
Peer Review Conference 2020	08/05/2020	Group:Internet-Based	10	AICPA PX-177106
Peer Review Program Basics	08/24/2020	Self-Study	8	AICPA PX-177106
Winning When Working Remotely	11/03/2020	Group:Internet-Based	2.4	Convergence Coaching 108041
How to Tell Your Story During a Pandemic	11/10/2020	Group:Internet-Based	4	Barbacane Thornton & Company LLP 142279
Creating a Virtual Professional Presence	12/04/2020	Group:Internet-Based	1.5	Barbacane Thornton & Company LLP 142279
Becoming an AICPA Peer Review Team or Review Captain	12/04/2020	Group:Internet-Based	8	AICPA PX-177106
NJ Law and Ethics Webinar	12/22/2020	Group:Internet-Based	4	NJCPA Education Foundation PX177721
AICPA Peer Review Update Course	02/11/2021	Self-Study	1.5	AICPA PX-177106

COURSE TITLE	DATE	FORMAT	CREDIT	PROVIDER
Enhancing Audit Quality: Focus and Trends in 2021	05/04/2021	Group:Internet-Based	1	CPA Academy #111889
Form 990 Preparation	05/05/2021	Group:Live	1	Barbacane Thornton & Company LLP 142279
Delaware Ethics for CPAs	06/08/2021	Group:Internet-Based	4	Surgent ID 103212
Form 990: Mastering Its Unique Characteristics	06/15/2021	Self-Study	8	AICPA PX-177106