

BOARD OF COMMISSIONERS
AGENDA
Monday, December 17, 2018 - 6:30 PM

Pledge of Allegiance

Notice of Executive Session preceding the Board of Commissioners meeting of December 17, 2018

1. Consent Agenda

- a) Disbursement Review & Approval
- b) Acceptance of Department Monthly Reports
- c) Final Staff Traffic Committee Meeting Minutes – November 21, 2018

2. Public Participation - *Individual comment shall be limited to not more than five (5) minutes per Board policy*

3. Reappointments to Various Boards and Commissions
4. Announcement of Boards and Commissions Vacancies
5. Appointments to Various Boards and Commissions
6. Committee Reports

PUBLIC WORKS & ENGINEERING

- A. Resolution #2018-144 - Authorizing Radnor Township to Apply for a Grant Through Penn DOT's Green Light Go Program, for Traffic Signals on Lancaster Avenue, from Radnor Chester Road to the I-476 North Bound Ramps, in Partnership with Penn Medicine, At No Cost to Radnor Township
- B. Resolution #2018-145 - Waiver Request from 245-22.A(2)(c)[2] – Minimum Infiltration Requirement, 309 Midland Avenue
- C. Resolution #2018-146 - Authorizing Meliora Design to Provide Topographical Survey for Gulph Creek and Associated Areas in Conjunction with the North Wayne Flood Reduction Project, in the Amount of \$80,000

COMMUNITY DEVELOPMENT

FINANCE & AUDIT

PARKS & RECREATION

PERSONNEL & ADMINISTRATION

PUBLIC SAFETY

LIBRARY

PUBLIC HEALTH

New Business

- Discussion of Delaware County Christian School Zoning Order

Old Business

Public Participation

Adjournment

RADNOR TOWNSHIP
DISBURSEMENTS SUMMARY
December 17, 2018

The table below summarizes the amount of disbursements made since the last public meeting held on December 10, 2018. As approved by the Board, the Administration is now making weekly accounts payable disbursement batches and publishing those lists on the Township's web site at the following link. Please refer to those files for a detailed listing of the amounts paid by vendor by account code.

Link: <http://radnor.com/728/Disbursements-List>

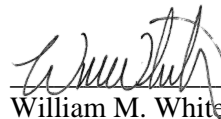
Fund (Fund Number)	2018-12A December 7, 2018	Total
General Fund (01)	\$226,770.55	\$226,770.55
Sewer Fund (02)	147,361.71	147,361.71
Storm Sewer Management (04)	100,037.43	100,037.43
Investigation Fund (12)	1,741.91	1,741.91
The Willows Fund (23)	19,500.00	19,500.00
Park & Trail Improvement Fund (501)	12,467.20	12,467.20
Total Accounts Payable Disbursements	\$507,878.80	\$507,878.80
<i>Electronic Disbursements</i>	n/a	1,683,534.41
Grand Total	\$507,878.80	\$2,191,413.21

In addition to the accounts payable checks, the Township also has various electronic payments including payroll, debt service, credit card purchases and fees as well as others from time to time. The attached table reflects all of the electronic payments made since the last public Board meeting as well as those anticipated prior to the next Board meeting.

The Administration has adopted various internal control and processing procedures to ensure that amounts obligated are within the budgetary limits established by the Board of Commissioners. Those procedures are monitored on a daily basis by members of the Finance Department and responsible employees of the various departments. The amounts included in the table above have been scrutinized as part of the internal control and processing procedures and have obtained the required approvals prior to disbursement.

If you should have any questions, please contact the Finance Department.

Respectfully Submitted,



William M. White
Finance Director

ELECTRONICALLY PAID DISBURSEMENT LISTING

Estimated Through January 7, 2019

Description	Account No.	Date	Purpose	Amount
Credit Card Revenue Fees - Actual	01-Variou	Various	11/18 Credit Card Revenue Processing Fees	\$4,834.41
Payroll [Pension] Transaction - Estimated	07-492-4980	1/1/2019	1/19 Police Pension Payments	\$220,538.61
Payroll [Pension] Transaction - Estimated	11-495-4980	1/1/2019	1/19 Civilian Pension Payments	\$152,161.39
Payroll [Bi-Weekly] Transaction - Estimated	01-various	12/13/2018	Salaries and Payroll Taxes - General Fund	\$785,500.00
Payroll [Bi-Weekly] Transaction - Estimated	02-various	12/13/2018	Salaries and Payroll Taxes - Sewer Fund	\$17,500.00
Payroll [Bi-Weekly] Transaction - Estimated	01-various	12/27/2018	Salaries and Payroll Taxes - General Fund	\$485,500.00
Payroll [Bi-Weekly] Transaction - Estimated	02-various	12/27/2018	Salaries and Payroll Taxes - Sewer Fund	\$17,500.00
Period Total				\$1,683,534.41

Interoffice Memorandum

TO: BOARD OF COMMISSIONERS
FROM: KEVIN KOCHANSKI, DIRECTOR
DEPARTMENT OF COMMUNITY DEVELOPMENT
SUBJECT: NOVEMBER MONTHLY REPORT
DATE: DECEMBER 6, 2018
CC: ROBERT A. ZIENKOWSKI, TOWNSHIP MANAGER



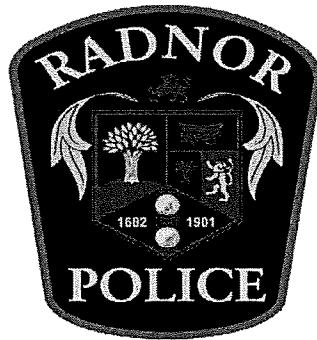
**Community Development
Department**

Attached for your review is the Community Development Monthly Report for the month of November 2018. Please note the following highlights:

- Building Permit Fee Revenue totaled \$227,149.50 with 63 permits issued
 - Electric Permit Fee Revenue totaled \$17,146.00 with 65 permits issued
 - Fire Permit Fee Revenue totaled \$450.00 with 3 permits issued
 - Mechanical Permit Fee Revenue totaled \$5,147.00 with 38 permits issued
 - Plumbing Permit Fee Revenue totaled \$7,032.00 with 38 permits issued
 - Zoning Permit Fee Revenue totaled \$825.00 with 12 permits issued
 - Banner Permit Fee Revenue totaled \$50.00 with 1 permit issued
 - Design Review Board Application Fee Revenue totaled \$1,400.00 with 8 applications received
 - Historic and Architectural Review Board Application Fee Revenue totaled \$50.00 with 1 applications received
 - Zoning Hearing Board Application Fee Revenue totaled \$1,450.00 with 2 applications received
-
- Permit and application revenue for November 2018: \$ 260,699.50
 - Permit and application revenue year to date: \$ 2,507,277.60
-
- Permits and applications for November 2018: 231
 - Permits and applications year to date: 2,407
-
- Inspections conducted for November 2018: 942
 - Inspections conducted year to date: 6,346

RADNOR TOWNSHIP POLICE DEPARTMENT

Monthly Report



December 2018

**Christopher B. Flanagan
Police Superintendent**

Calls for Service - by Keyword

RADNOR TOWNSHIP

Incidents Reported Between 11/01/2018 and 11/30/2018



Code	Description	Primary Count	Secondary UCR Count		
			Code 2	Code 3	Code 4
1465	INSTITUTIONAL VANDALISM	1			
3501	DISTURBANCE-COMPLAINT OF NOISE,MUSIC,ETC	11			
3520	DOMESTIC PROBLEM (NO ARREST)	17	1		
4000	JUVENILE PROBLEMS (NO ARREST)	4	2		
4301	MENTAL HEALTH-ALL OTHERS	4	2		
4500	OPEN DOORS/WINDOWS	2			
4600	ORDINANCE VIOL.-EXCEPT BURNING/SOLICIT	2			
4650	POLICE INFORMATION	55	1		
4655	CID/DTF INVESTIGATION	1	1		
4660	911 HANG UP CALL	18			
4700	ADDED PATROL-REQUEST FOR	41			
4701	ADDED PATROL - BUSINESS CHECKS	96	2		
4702	ADDED PATROL - SCHOOL CHECKS	51			
4800	SOLICITING-WITHOUT PERMIT	1			
4801	SOLICITING-COMPLAINTS	3			
4900	SUSPICIOUS PERSON	19			
4901	SUSPICIOUS CIRCUMSTANCE	30			
4902	SUSPICIOUS VEHICLES	16			
5000	TELEPHONE CALLS-HARASSING/SUSPICIOUS	2			
5100	TRAFFIC SIGNALS-DAMAGED/NEED REPAIR	3			
5200	TRAFFIC HAZARD-POTHoles/OBSTRUCTIONS/ICE	1			
5300	TREES DOWN AND/OR BLOCKING ROADWAY,ETC	2			
5400	VEHICLES-ABANDONED	2			
5401	VEHICLES-ASSIST MOTORIST(INCL LOCKOUTS)	23			
5402	VEHICLES-DISABLED	34			
5403	VEHICLES-MV VIOLATIONS & MVV COMPLAINTS	34	4		
5404	VEHICLES-PARKING COMPLAINTS	12			
5405	VEHICLES-TOWED	11	3	2	
5501	WIRES DOWN - NO HAZARD	4			
6001	ACCIDENT - WITH INJURIES	1	3		
6003	ACCIDENT - NON REPORTABLE	59	1		
6005	ACCIDENT - NO REPORT DONE	11			
6007	ACCIDENT - BRIDGE STRIKE	1			
8000	BURG/HOLDUP/PANIC ALARM - CIT ISSUED	1			
8001	BURG/HOLDUP/PANIC ALARM - NO CITATION	89		1	
8003	FIRE/MEDICAL ALARM - NO CITATION	23			
8004	ANY ALARM- SEVERE WEATHER- NO CITATION	3			
9001	ANIMALS-RABID/SICK	2			
9003	ANIMALS-BITES	1			
9005	ANIMALS - ALL INVOLVING DEER	10			
9038	K-9 ASSIST	4	1		
9050	ASSIST SICK/INJURED	98			
9051	ASSIST AMBULANCE	1			
9052	ASSIST OTHER POLICE DEPARTMENT	5	1		
9060	ASSIST SICK NALOXONE APPLICATION	1	1		
9966	SELECTIVE ENFORCEMENT-CITATION ISSUED	115	2		
9968	SELECTIVE ENFORCEMENT-WARNING ISSUED	52			
9970	SELECTIVE ENFORCEMENT-NO ISSUANCE	53			
9972	MOTOR OFFICER ACTIVITY	0	5	1	
		<u>1,030</u>			

ACCIDENT

3200	CHECK ON WELFARE	7			
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Calls for Service - by Keyword

RADNOR TOWNSHIP

Incidents Reported Between 11/01/2018 and 11/30/2018



Code	Description	Primary Count	Secondary UCR Count		
			Code 2	Code 3	Code 4
ADMIN					
9000	ANIMALS - DOG COMPLAINTS	1			
9002	ANIMALS - ALL OTHER	3			
9055	ASSIST SICK/INJURED ALCOHOL/DRUG RELATED	2			
		<u>6</u>			
ALL ORDINA					
2830	TWP ORD-ALL OTHER	2			
ALL OTHER					
2640	ALL OTHER ORDINANCE VIOLATIONS	4	2		
ANIMAL					
5502	ANIMAL COMPLAINTS - BARKING DOGS	4			
5506	ANIMAL COMPLAINTS - STRAY ANIMALS	5			
5510	ANIMAL COMPLAINTS - OTHER	10			
5590	ANIMAL COMPLAINTS - REPORTS	5			
		<u>24</u>			
ASSAULT					
0410	AGGRAVATED ASSAULT	1			
0440	ASSAULT - ATROCIOUS- HANDS,FISTS,FEET	4			
0490	ASSAULT - REPORTS	1			
		<u>6</u>			
ASSIST					
7502	ASSIST OTHER AGENCIES - FIRE DEPT.	5			
7504	ASSIST OTHER AGENCIES - OTHER POLICE	1			
7590	ASSISTING OTHER AGENCIES - REPORTS	1			
		<u>7</u>			
BICYCLES					
5005	FOUND BICYCLES	1			
BURGLARY					
0520	BURGLARY-NON FORCED ENTRY	1			
CIVIL					
3300	CIVIL DISPUTES	5	1		
CONTACT					
4016	NON-CRIMINAL - PEDESTRIAN CONTACTS	0	1		
CRIM MISCH					
1410	CRIMINAL MISCHIEF TO AUTOMOBILES	5			
1440	CRIMINAL MISCHIEF - ALL OTHER	2	1		
1490	CRIMINAL MISCHIEF - REPORTS	1			
		<u>8</u>			
DISORDERLY					

Calls for Service - by Keyword

RADNOR TOWNSHIP

Incidents Reported Between 11/01/2018 and 11/30/2018



Code	Description	Primary Count	Secondary UCR Count		
			Code 2	Code 3	Code 4
DISORDERLY					
2400	DISORDERLY CONDUCT	0			1
2410	HARASSMENT BY COMMUNICATION	3			
2420	DISORDERLY CONDUCT-PUBLIC PLACES	1			
2450	HARASSMENT	5		1	
2480	DISORDERLY CONDUCT-ALL OTHERS	2			
		<u>11</u>			
DISTURBANC					
3620	DISTURBANCES-OTHER (FIGHTS,DISPUTES,ETC)	4			
DRUG					
1812	NARCOTICS-SALE-MARIJUANA, HASHISH, ETC.	1			
1831	NARCOTICS-POSSESSION-MORPHINE,HEROIN,ETC	1	1		
1832	NARCOTICS-POSSESSION-MARIJUANA,ETC.	9			
1834	NARCOTICS-POSSESSION-OTHER DANGEROUS	0	1		
1842	NARCOTICS-USE-MARIJUANA, HASHISH, ETC.	1			
1890	NARCOTICS - REPORTS	5	1		
		<u>17</u>			
DUI					
2111	DRIVING UNDER THE INFLUENCE - ALCOHOL	6			
2112	DRIVE UNDER INFLUENCE-ALCOHOL-IMPAIRED	1			
2121	DRIVE UNDER INFLUENCE - DRUGS	1			
2122	DRIVE UNDER INFLUENCE - DRUGS-IMPAIRED	2			
		<u>10</u>			
EASTTOWN					
9044	ASSIST EASTTOWN PD	1			
FIRE					
3700	FIRE - RESIDENTIAL	3			
3703	FIRE-ALL OTHERS	1			
3705	FIRE - SUSPICIOUS	1			
3706	FIRE - LEAVES, BRUSH, ETC.	1			
3840	FIRES (INCLUDING ALARMS-FOUNDED/UNFOUND)	9			
		<u>15</u>			
FRAUD					
1100	FRAUD	3			
1130	FRAUD - ALL OTHERS (FLIM-FLAM, ETC.)	4			
1150	FRAUD - CREDIT CARDS	3			
1190	FRAUD-ALL OTHER(FLIM FLAM,CONFIDENCE	1			
1191	FRAUD - REPORTS	11			
		<u>22</u>			
HVERFORD					
9041	ASSIST HVERFORD PD	2			
LIQUOR					
2211	LIQUOR LAW-UNDERAGE-PURCH,CONSMP,POSSES	2			
LMPD					

Calls for Service - by Keyword

RADNOR TOWNSHIP

Incidents Reported Between 11/01/2018 and 11/30/2018



Code	Description	Primary Count	Secondary UCR Count		
			Code 2	Code 3	Code 4
LMPD					
9040	ASSIST LOWER MERION PD	3			
LOST/FOUND					
5002	LOST & FOUND - FOUND ANIMAL	1			
5004	LOST & FOUND - FOUND ARTICLES	2			
5006	LOST & FOUND - LOST ANIMAL	2			
5008	LOST & FOUND - LOST ARTICLES	4			
		<u>9</u>			
MISSING PE					
2900	JUVENILE RUNAWAYS	2			
MV ACCIDEN					
6002	ACCIDENT - NO INJURIES (REPORTABLE)	18	1		
6004	ACCIDENT - HIT & RUN	12			
		<u>30</u>			
MV THEFT					
0710	MOTOR VEHICLE THEFT-AUTO	1			
0711	M.V. THEFT-AUTOS-STREET-COMMERCIAL AREA	1			
		<u>2</u>			
N-TRAF CIT					
CITN	NON-TRAFFIC CITATION	18			
NEWTOWN					
9043	ASSIST NEWTOWN PD	1			
OTHER					
4018	NON-CRIMINAL-ST. LIGHT OUT, ST. REPAIRS.	5			
7016	FOLLOW UP INFORMATION	1			
		<u>6</u>			
PFA					
2647	ALL OTHERS - PROTECTIVE ORDERS	3			
PROPERTY					
2910	LOST/MISSING PROPERTY	3			
PSP					
9047	ASSIST PSP	1	2		
PUBL DRUNK					
2300	PUBLIC DRUNKENESS	0	2		
RECOV PROP					
3000	LOST/RECOVERED PROPERTY	1			

Calls for Service - by Keyword

RADNOR TOWNSHIP

Incidents Reported Between 11/01/2018 and 11/30/2018



Code	Description	Primary Count	Secondary UCR Count		
			Code 2	Code 3	Code 4
SERVICE					
7006	NOTIFICATION - HIGHWAY DEPT.	2			
7008	NOTIFICATION - SEWER DEPT.	1			
7012	NOTIFICATION - HEALTH DEPT.	0	1		
7014	PUBLIC SERVICE - OTHERS (OFFICER ASSIST)	9			
7090	PUBLIC SERVICES - REPORTS	3			
		<u>15</u>			
SEXUAL					
1790	SEX OFFENSES - REPORTS	1			
SOLICITING					
2800	TWP ORD-SOLICITING	1			
SUICIDE					
3401	DEATH INVESTIGATION-SUSPICIOUS/SUICIDE	1			
4300	MENTAL HEALTH-EMERG.302/SUICIDE ATTEMPTS	2	1		
		<u>3</u>			
SUSPICIOUS					
3500	DISTURBANCE - DISORDERLY PERSONS	4			
SVC CALL					
3810	SERVICE CALL-ALARMS-UNFOUNDED-EXCPT FIRE	6			
3820	SERVICE CALL-ASSIST MOTORIST/DISABLE VEH	1			
3850	HAZARDOUS CONDITIONS	10			
3880	OPEN DOORS/WINDOWS - DISCOVERED	5			
3900	GAS LEAKS (NATURAL GAS)	4			
		<u>26</u>			
THEFT					
0611	THEFT-\$200 & OVER-POCKET PICKING	1			
0614	THEFT-\$200 & OVER-FROM AUTO (EXCPT 0615)	2			
0617	THEFT-\$200 & OVER-FROM BUILDINGS	3			
0619	THEFT-\$200 & OVER-ALL OTHER	2			
0623	THEFT-\$50 TO \$200-RETAIL THEFT	1			
0624	THEFT-\$50 TO \$200-FROM AUTO (EXCPT 0625)	1			
0626	THEFT-\$50 TO \$200-BICYCLES	1			
0633	THEFT-UNDER \$50-RETAIL THEFT	1			
0634	THEFT-UNDER \$50-FROM AUTO (EXCEPT 0635)	2			
0644	THEFT-ATTEMPTED-FROM AUTO (EXCEPT 0645)	1			
0649	THEFT-ATTEMPTED-ALL OTHER	1			
0690	THEFT - REPORTS	5			
		<u>21</u>			
TRAF CIT					
CITT	TRAFFIC CITATION	19			
TRAFFIC					
4010	TRAFFIC OFFENSES	1			
6606	TRAFFIC RELATED - DIRECT TRAFFIC	21			
6610	TRAFFIC RELATED - MOTORIST AID	1			

December 10, 2018

Calls for Service - by Keyword

RADNOR TOWNSHIP

Incidents Reported Between 11/01/2018 and 11/30/2018



Code	Description	Primary Count	Secondary UCR Count		
			Code 2	Code 3	Code 4
		23			
TREDYFFRIN					
9045	ASSIST TREDYFFRIN PD	1			
VUPD					
9049	ASSIST VUPD	15			
WARRANT					
8010	WARRANTS - LOCAL - CRIMINAL	1			
	Total Calls	1,394			



<u>Description</u>	<u>Primary Count</u>
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Parking Tickets

Month of November 2018	840
January 1, 2018 – November 30, 2018	11,341

Residential and Commercial False Alarm Violations

Month of November 2018	68
January 1, 2018 – November 30, 2018	942

Moving Violations

Month of November 2018	402
January 1, 2018 – November 30, 2018	3,256

Radnor Police Training – November 2018

Narcotics Conference – Jagodinski

Law Enforcement Officers Killed and Assaulted in Line of Duty – Bell & Sherman

CRIME ALERTS

The Radnor Township Police Department has issued a crime alert for the theft of a vehicle which was discovered in the morning hours on November 15th. The vehicle, 2018 BMW X1 appears to have been stolen during the overnight hours from the 200 block of Hilldale Road. The vehicle's keys had been left inside the unlocked vehicle.

On the same date, Radnor Police also responded to the 100 block of South Spring Mill Road for an attempted motor vehicle theft. Video depicted an unknown black male attempt to pull the door handles of two vehicles parked in a driveway. After not gaining entry, the male runs to the end of the driveway and enters a waiting sedan, possibly silver in color. The vehicle then leaves the area.

The Radnor Police strongly advise everyone to lock all vehicles in their driveway and ensure no keys are left in vehicles that could be used to steal them. Please call 9-1-1 IMMEDIATELY with any information to these incidents or when reporting suspicious activities.

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The Radnor Police are issuing a crime alert for a burglary that occurred in the unit block of Barley Cone Ln. Radnor Police responded to a report from a homeowner who stated someone was in his house in the early morning hours on November 18th. The victim yelled out and the subject fled from the residence. The Radnor Police cleared the house and a Police K9 team conducted a track. The victim subsequently discovered an X-Box missing along with several video games and other items. Please call 9-1-1 IMMEDIATELY with any information about this incident or when reporting suspicious activities.

The Radnor Police are investigating a theft of a purse that occurred at the Villanova Post Office in the Villanova Post Office in the 700 block of E Lancaster Ave. The purse had been put down while the victim conducted business with the clerk in the early afternoon on November 16th. When the victim returned, the purse was gone and Post Office staff reported that no one had turned the purse in. Please call 9-1-1 IMMEDIATELY with any information about this incident or when reporting suspicious activities.

The Radnor Police are investigating a criminal mischief that occurred in the unit block of Louella Ct. On November 16th in the early evening hours, several patrons of an eating establishment heard something hitting the windows. Staff checked and located the remains of several eggs that had been thrown against the restaurant's windows and against three cars parked in front of the eatery. Please call 9-1-1 IMMEDIATELY with any information about this incident or when reporting suspicious activities.

The Radnor Township Police Department has issued a crime alert for a theft from a vehicle which was reported November 19th. The victim discovered someone had entered her vehicle in the 700 block of Southwinds Dr. sometime overnight on the evening of November 15th and stole several items. The Radnor Police strongly advise everyone to lock all vehicles in their driveway. The theft is believed to have occurred sometime over the previous night. Please call 9-1-1 IMMEDIATELY with any information about this incident or when reporting any suspicious activities.

On Sunday 11/25/2018 at 8:30Pm Radnor Police responded to the 500 block of Highland Court for a report of Criminal Mischief to a vehicle. The victim reported that inappropriate words directed to the vehicle owner were written in liquid chalk on all the windows to the vehicle. Please call 911 IMMEDIATELY with any information about this incident or when reporting suspicious activities.

During the week of 11/26/2018 the Police Department of a neighboring jurisdiction took a report of an attempted burglary between 1:00PM and 2:00PM. Two Hispanic males were posing as utility workers allegedly for the water company. They knocked on the door asked to enter the home to check for any problems. Another resident came home and the 2 subjects ran off. Radnor Police ask that all residence do not let any utility workers in their homes until they contact the utility companies and confirm that workers should be at their property wearing proper Identification. WHEN IN DOUBT PLEASE CALL 911.

On Tuesday 11/27/18, during the early evening hours, an unlocked vehicle was entered into in the 100 block of Buckingham Dr. Removed was a pair of Air Jordan '11 sneakers with a value of &220.00. The Radnor Police Department requests anyone who may have observed the subject(s) who entered the vehicle to please call 9-1-1 and report the incident. Furthermore, the Radnor Police Department requests anyone to please call 9-1-1 IMMEDIATELY to report suspicious activities or individuals.

On Sunday, 12/2/18 between 4:00 and 4:30pm, two vehicles parked in the lot of 175 King of Prussia Rd. were forcibly entered by way of breaking the passenger side windows. Taken was a purse and other valuables. Residents are reminded to keep all valuables out of site and call 911 to report any suspicious activity.

Crime Alert – Theft from Vehicles – 12/2/18.

On Sunday, 12/2/18 between 4:00 and 4:30pm, two vehicles parked in the lot of 175 King of Prussia Rd. were forcibly entered by way of breaking the passenger side windows. Taken was a purse and other valuables.

Neighboring Jurisdiction- Attempt Burglary

Attempted Burglary- Suspicious Persons posing as alleged water company utility workers in a neighboring jurisdiction

During the week of 11/26/2018 the Police Department of a neighboring jurisdiction took a report of an attempted burglary between 1:00PM and 2:00PM. Two Hispanic males were posing as utility workers allegedly for the water company. They knocked on the door asked to enter the home to check for any problems. Another resident came home and the 2 subjects ran off. Radnor Police ask that all residence do not let any utility workers in their homes until they contact the utility companies and confirm that workers should be at their property wearing proper Identification. WHEN IN DOUBT PLEASE CALL 911.

Radnor Township Police Department
Thank you Letters

Dear Chief Flanagan,

I wanted to thank you and the Radnor Police Department for the extra security provided to Cheder Chabad in the aftermath of the Pittsburgh massacre. We are lucky to be living in a country and township where our religious rights are respected and protected, and where we can live openly and proudly as Jews without any fear. This is something that, unfortunately, our history does not allow us to take for granted, and we are truly grateful for. We are now celebrating Chanukah, the holiday that celebrates religious freedom persevering over oppression, and how a small amount of light can dispel much darkness.

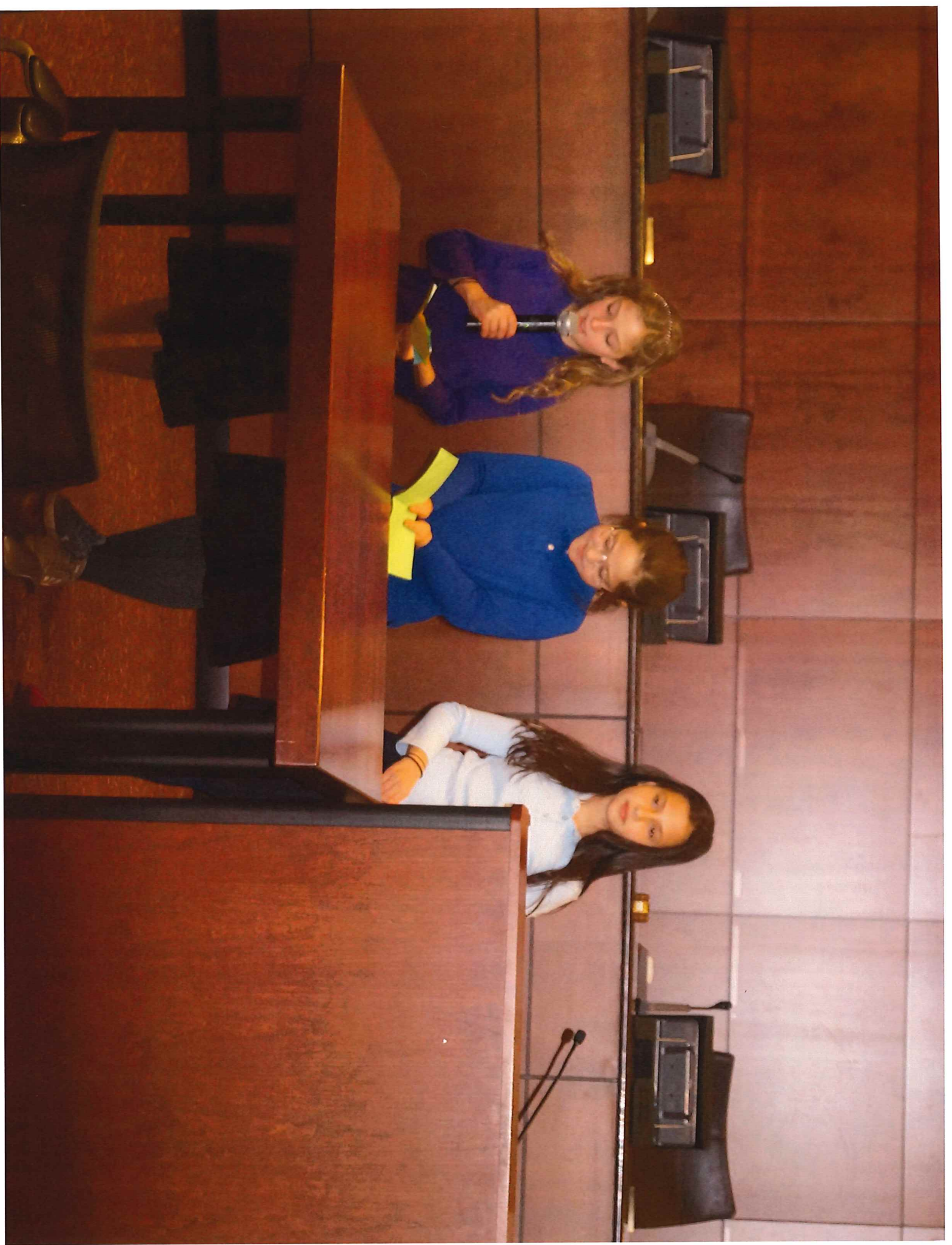
Our students have written thank you cards to express our gratitude. I was wondering if I'd be able to stop by some time this week to give you the letters and to light a Menorah with the officers to share the Chanukah joy?

Let me know what day/times work for you.

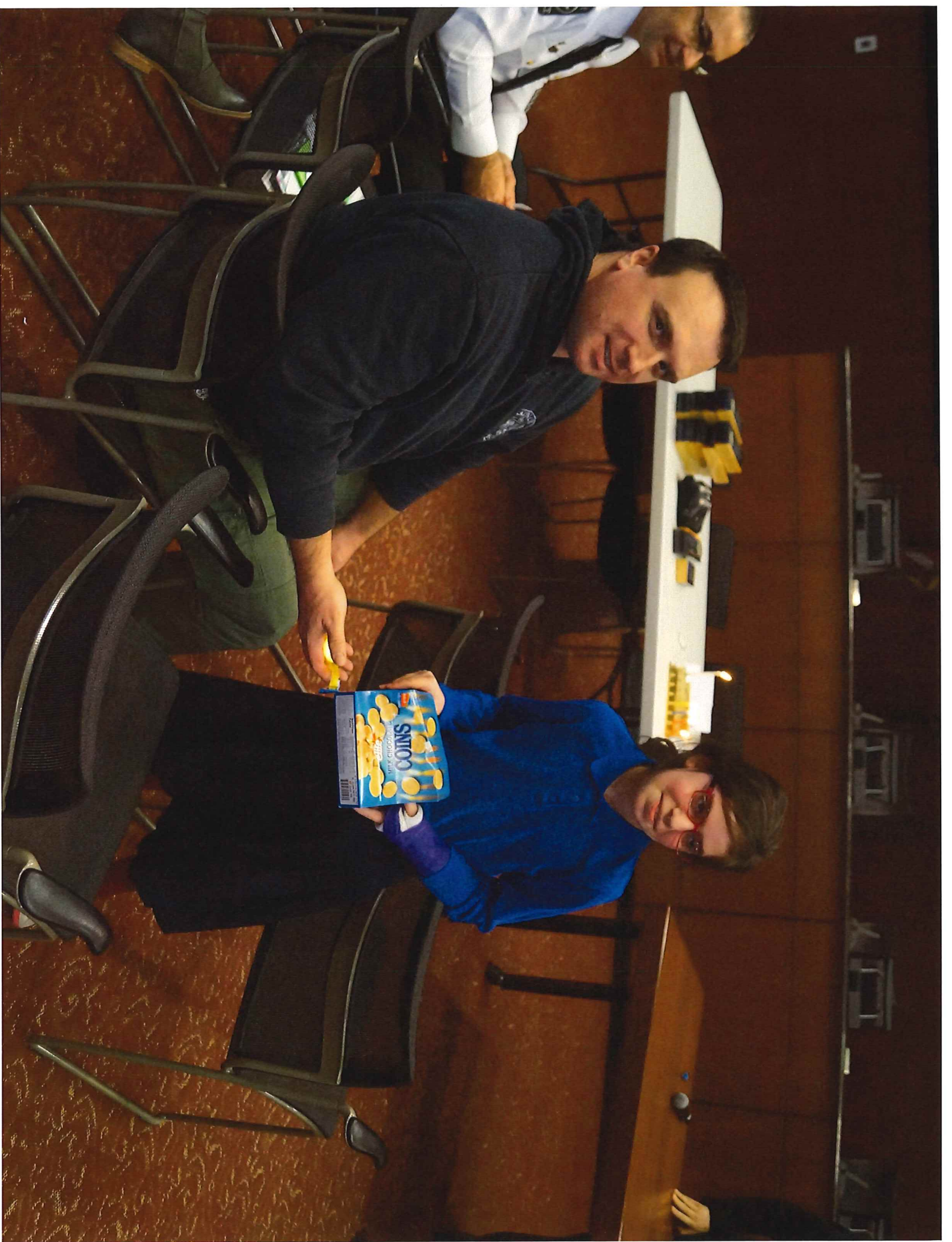
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Rabbi Mendy Levin
Principal, Cheder Chabad of Philadelphia











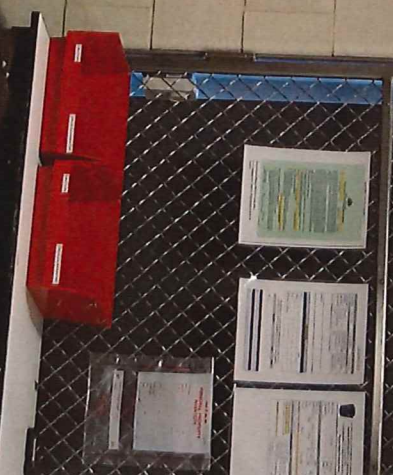


PROCESS ALL INDIVIDUALS UNDER CRIMINAL QUERY ONLY

APPLICANTS PROCESS CIVILIAN PRINTS UNDER APPLICANT LOCAL ONLY

IF YOU SUSPECTED SOMEONE AND SUBSEQUENTLY CHANGE THEN THEY NEED TO BE PROCESSED AGAIN

ATTENTION PLEASE NOTE DETECTIVES & AIR TENDERS ARE RUNNING LOW AND NEED TO BE REPLENISHED THANK YOU









Dear Bob and Chief Flanagan,

I wanted to convey our thanks to Officer Collins for her professionalism and calmness on Sunday night when Dad fell off the ladder. He is still in the hospital but he will make a full recovery. I just wanted to let you know how thankful we are for our first responders in Radnor.

All my best - Sarah

Sarah Armstrong

Sergeant Lunger,

Thank you again for sharing your time with us tonight.

The Scouts REALLY had a great time and learned so much.

Thank you so much for all that the Radnor Township Police does for keeping us all safe.

Here are some pictures! Please feel free to post on social media.

Cheers,

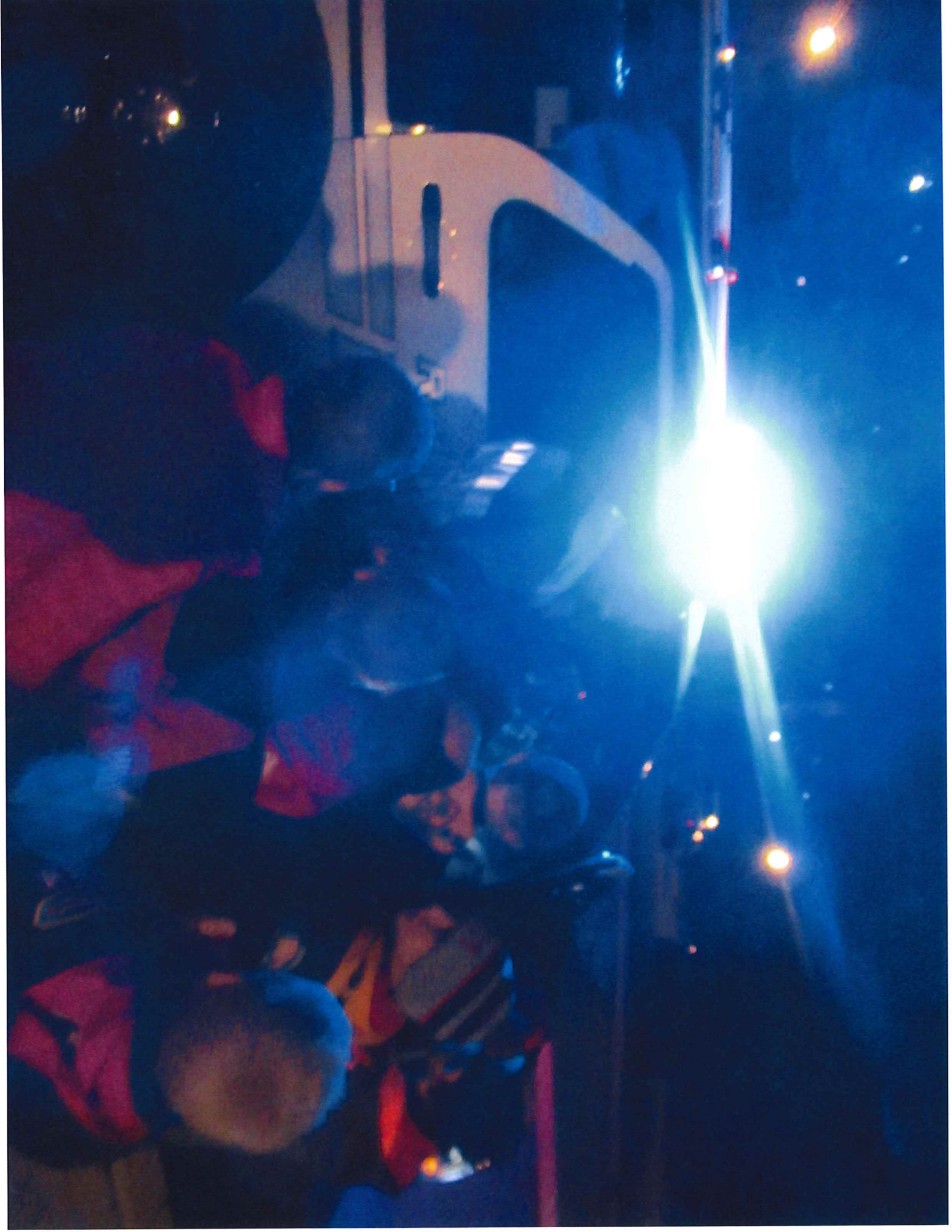
Stacy Albert & AJ Fiory

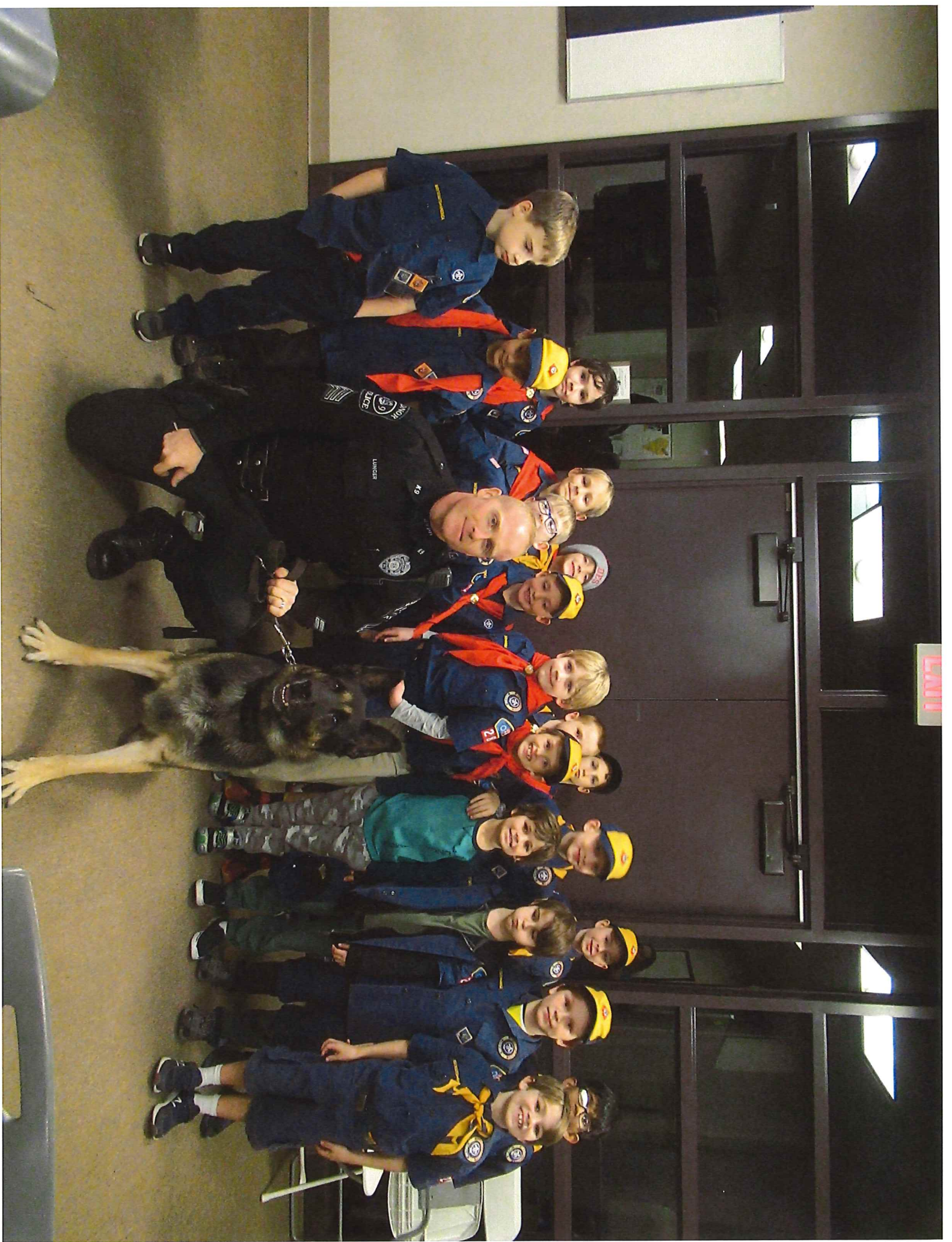
Den Leaders











Officer Piree,

Great work representing the Radnor Police Department and Police of Delaware County.

This letter will be placed in the next Chief Report.

In Service,

Christopher B. Flanagan #500
Superintendent of Police



OFFICE OF THE DISTRICT ATTORNEY
DELAWARE COUNTY COURTHOUSE
MEDIA, PENNSYLVANIA 19063

(610) 891-4168

KATAYOUN M. COPELAND
DISTRICT ATTORNEY

Patrol Officer Kenneth Piree
Radnor Township Police Department
301 Iven Avenue
Radnor, PA 19087

November 28, 2018

Dear Officer Piree:

On behalf of the Delaware County District Attorney's Office, I would like to express our sincerest gratitude to you and the Radnor Township Police Department for participating in Delaware County's submission for the Office of Community Oriented Policing Services (COPS) 5th Annual Community Policing in Action Photo Contest.

Our submission visually captured a donation of stuffed animals to local victim advocacy organizations, with the support of law enforcement, in front of the Delaware County Courthouse in Media on Saturday, November 3, 2018. Bringing both happiness and comfort to children, the donated stuffed animals are an important tool for police and victim advocates in their daily efforts to help comfort children in stressful situations who have suffered abuse and neglect.

Each year, the COPS Office holds a photo contest and we are hopeful to be included among the 2018 award winners which will be announced on December 28, 2018. Please see enclosed for a copy of the photographs and press release which has been submitted as part of the contest. We will be sure to keep you informed of the contest results once they are announced.

Once again, we greatly appreciate you taking the time to participate in this project and commend you for your outstanding service and commitment to the residents of Delaware County.

Sincerely,

A handwritten signature in blue ink, appearing to read "Katayoun M. Copeland", is written over a blue circular stamp.

Katayoun M. Copeland
Delaware County District Attorney

cc: Superintendent Christopher Flanagan

Enclosure



OFFICE OF THE DISTRICT ATTORNEY
DELAWARE COUNTY COURTHOUSE
MEDIA, PENNSYLVANIA 19063

***Willingly, we Bear the Responsibility:
Operation “Teddy Bear” brings comfort to child victims***

MEDIA, PA – (November 27, 2018) Working hand-in-hand, police agencies from across Delaware County joined District Attorney Katayoun M. Copeland and victim advocates to accept a donation of stuffed animals and teddy bears for child victims from Andrew J. Edelberg, Esquire, in front of the Delaware County Courthouse in Media, PA. Bringing both happiness and comfort to children, these adorable stuffed animals are an important tool for police and victim advocates in their daily efforts to help comfort children in stressful situations who have suffered abuse and neglect.



Photo Courtesy of the Delaware County District Attorney’s Office

Pictured, from left, Pennsylvania State Police Trooper Seth G. Betancourt, Media Borough Police Patrolmen Daniel DiVito and Mitchel Helmandollar, Shannon Marriott of the Domestic Abuse Project of Delaware County, Andrew J. Edelberg, Esq., Candice Linehan, Acting Executive Director of Delaware County Women Against Rape, District Attorney Katayoun M. Copeland, Molly Hampson of Family Support Line, Haverford Township Police Officer Lawrence Howard, Upper Darby Township Police Officer Thomas Hald and K9 Fury, Chester Township Police Captain Laura Dixon Hartshorn, and Radnor Township Highway Patrol Officer Kenneth Piree.

Chris,

Here is the picture you asked for.

Have a good day.

Best regards,

Suzanne



Hello Superintendent Flanagan,

Wanted to take a moment to share how Officer Cocco and Rocky made my sons day today.

We happened to be driving by and saw the K9 vehicle. I stopped and asked if my two year old son Andrew who loves police officers and is obsessed with police cars and dogs could say hello to Rocky and see the K9 vehicle.

Officer Cocco and Rocky were extremely nice and more than willing to make a little boys day. Not only did he get to pet Rocky and meet Officer Cocco but he even got to see the police lights and sit in the car!!!

Thank you for all you and the police department do for the community. Be safe.

Warmest regards,
The Calciano Family



Hey Chief,

We thought that you would enjoy this photo of Radnor's Finest, Sergeant George Smith and five of his new CERT members from your RCPA 2018-04. It was a great training thanks to Sarge and his fellow instructors. We look forward to our continued experience with this program and RCPO.

Regards,
(Lt.) Jane Carabasi



Good Morning,

I just wanted to say a quick thank you for your leadership at the ASK meeting at RHS last week. Your commitment to student and staff safety and strong partnership were evident. Radnor is lucky to have you all.

Best,
Michele Leonard

The Race For Peace Committee thanks the following sponsors for contributing goods or services to today's event:

Police Departments of:
Bensalem Township
Haverford Township
Lower Merion Township
City of Philadelphia
Radnor Township
Tredyffrin Township
Upper Darby Township
Upper Merion Township

Businesses and Donors:

Save-A-Lot
Target
Fresh Grocer
Girard Meat Market
Cousin's Market
Penn Medicine
Sunshine Supermarket's
WSFS Bank
McDonald's
Tony Luke's
Dunkin Donuts
Attorney Steve Wigrizer

Special Thanks to:

Mount Pleasant Baptist Church
For being a Gracious Host

Race for Peace
3rd Annual Summit of Peace



October 27, 2018 12pm - 3pm

Mount Pleasant Baptist Church
5537-39 Vine St, Philadelphia, PA 19139

Thank you so much for your quick response and ensuring my home is safe.

I really appreciate your quick and kind response. Thanks to your work, we are now feeling relieved and able to have a good family trip.

Happy Thanksgiving to all of our police officers!

Kipang(Mrs.)

RADNOR TOWNSHIP POLICE DEPARTMENT

301 Iven Avenue

Wayne, Pennsylvania 19087-5297

(610) 688-0503 ☐ Fax (610) 688-1238

**Christopher B. Flanagan
Police Superintendent**

TO: Radnor Township Commissioners; Robert A. Zienkowski, Township Manager; William M. White, Director of Finance; Stephen F. Norcini, Township Engineer; Steve McNelis, Public Works Director; Tammy Cohen, Director of Recreation and Community Programming; Kevin W. Kochanski, Director of Community Development; Bill Cassidy, Field Leader; Officer Alex Janoski; Officer Pat Lacey, Officer Ken Piree, Traffic Safety Unit; William Gallagher, Supervisor of Parking; Amy Kaminski, Traffic Engineer for Gilmore and Associates; Vera DiMaio and Lori DeNicola

FR: Christopher B. Flanagan

RE: STAFF TRAFFIC COMMITTEE MEETING HELD IN THE POLICE ROLL CALL ROOM, WEDNESDAY, NOVEMBER 21, 2018, 10:00 AM.

NEW BUSINESS

1. Neil Cutler requests a no-through street sign at the entrance of Woodland Court at Eagle Road

Mr. Cutler was not present at this meeting. Staff Traffic Committee approves the no-through street sign at the entrance of Woodland Court at Eagle Road.

2. Carolyn Washburn has requested "No Parking Here To Corner" on Oak Terrace @ Brookside Ave.

Ms. Washburn was not present at this meeting. Staff Traffic Committee states sign is not warranted and does not recommend this.

3. Kathleen DeTreuX requests traffic calming in the area of 624 Brookside Ave, in the area of Brookside Ave @ Conestoga Rd. (Spoke to her via telephone, she will not be attending, issue resolved)

Kathleen DeTreuX was not present at this meeting. Highway Patrol Officer Alex Janoski stated this was an online request. Officer Janoski stated that according to Township Ordinance, speed humps do not qualify at this location. Enforcement is not legal here. Field Leader Bill Cassidy will paint 3D traffic calming paint with 25 mph on this street later in the Spring.

4. Terry Arney requests No Parking Here to Corner on Radnor Avenue at Conestoga Road.

Terry Arney was not present at this meeting. Highway Patrol Officer Pat Lacey spoke regarding this

matter and agrees with this request. Staff Traffic Committee approves the No Parking Here to Corner sign on Radnor Avenue at Conestoga Road.

5. Dan Hevisi requests the 600 Block Conestoga Road speed limit change from 35 mph to 25 mph.

Mr. Hevisi and neighbors spoke regarding their concerns for speed at this location. Staff Traffic Committee stated this is a State road and that Radnor Township does not have authority to change the speed limits. Highway Patrol Officer Pat Lacey stated he sent 2 letters to PennDot regarding speed and has not received a reply back as of this meeting. Mr. Hevisi will be contacting PennDot directly.

OLD BUSINESS

1. 400 block of Midland Ave (Traffic Count Completed)

Superintendent Chris Flanagan held a Town meeting with Mr. Dineen. Based on the traffic report, 85% was 30 mph, average speed being 25 mph, ADT 437/day. Staff Traffic Committee states there is not a speeding issue on this street. Staff Traffic Committee recommends nothing be done here.

2. Morris Rd (Traffic Count) and Truck analysis report

A Town Meeting took place. 85% was 22 mph, average speed was 20 mph, ADT was 1,540/day. Staff Traffic Committee states there is not a speeding issue on this street, however, there is a volume issue. In reference to trucks, 1 truck came through which was a local landscaping truck, during the 7-day period. The company's fleet department was contacted of the complaint, and there has not been any further issues since that time (September). Field Leader Bill Cassidy stated stop bars were already painted on Morris Road in both directions. Speed humps were also painted on both Morris and Clover. There will be 25 mph signs between Clover and Sugartown placed on both sides of Morris Road.

See attached spreadsheet for pending issues



RADNOR TOWNSHIP POLICE DEPARTMENT

301 Iven Ave., Wayne, PA 19087

November 2018 Staff Traffic Status Report

Project Name	Project Information	Status Update
Radnor Fire Company requests evaluation of traffic and parking on South Wayne Avenue	<p>12/20/2017 Radnor Fire Company is interested in:</p> <ul style="list-style-type: none"> • Pursuing parking elimination along S. Wayne Avenue • Revising the intersection to reflect the most recent signed signal permit plan • Emergency pre-emption at the Fire Station on S. Wayne Avenue. • Concerns with parking in front of New Wayne Pizza 	<p>This item will be a budget request for 2019</p>
County Line Corridor Study (from Lancaster Avenue to Conestoga Road)	<p>Staff Traffic Committee & Lower Merion Township discussions to expand study area to County Line Road corridor study</p>	<p>Draft was delivered and is being reviewed by Lower Merion. A copy is available on the Township website.</p> <ul style="list-style-type: none"> • Commissioner Nagle invited to Delaware County meeting regarding Bridge Strike • Superintendent Flanagan sent Letters to Garmin, Apple, Google • Letter was sent to Richard Anderson (Amtrak), Edward McBride (PECO), and Kenneth McClain (PennDot), see attached letters and pictures
King of Prussia Bridge	<p>Strike issues</p>	
Sproul Road and Conestoga Road Left turn signal improvements	<p>RT 2017 Engineering Line Item Budget: \$300,000 to evaluate, design and construct signal improvements to include intersection left turn lanes</p>	<p>Contract awarded. Construction anticipated to be completed mid February 2019</p>

Radnor Township Police Staff Traffic Monthly Status Report

<p>N. Wayne Ave/Poplar Ave/West Avenue Pedestrian Improvement Signal project</p>	<ul style="list-style-type: none"> • DCED MTF grant awarded; construct signal and pedestrian improvements at intersection 	<p>Funding requested in 2019 capital budget</p>
<p>King of Prussia Rd & Eagle Rd intersection improvements</p>	<p>Submit joint application for DCED MTF grant with Cabrini & Eastern for left turn lanes on King of Prussia Road at Eagle Road/Pine Tree Rd</p>	<p>Funding requested in 2019 capital budget</p>

Public Participation

Reappointments to Various Boards & Commissions Effective January 1, 2019

- Joan Capuzzi – Board of Health (4-year term)
- Kathryn Durr – Board of Health (4-year term)
- Brian Kirby – Citizens Communication Council (5-year term)
- Bob Thomason – Citizens Communication Council (5-year term)
- Suzette Margolis – Citizens Communication Council (5-year term)
- Clare Girton – Parks and Recreation Board (5-year term)
- Mary Coe – Parks and Recreation Board (5-year term)
- Liz Springer – Planning Commission (4-year term)
- Charles Falcone – Planning Commission (4-year term)
- Joseph Voegele – Rental Housing Appeals Board (5-year term)
- Eileen Brett – Shade Tree Commission (5-year term)
- Brad Delizia – Zoning Hearing Board (5-year term)

Vacancies on Various Boards & Commissions

<p>CARFAC 4-year term 6 Vacancies</p>	<p>Code Appeals Board 5-year term 1 Immediate Vacancy 1 Vacancy (as of 1/1/2019) <i>Requirements: Master Electrician Master Plumber General Contractor</i></p>
<p>Citizens Communication Council 1 Vacancy (as of 1/1/2019)</p>	<p>Stormwater Management Advisory Committee 3-year term 3 Vacancies</p>
<p>Planning Commission 1 Vacancy</p>	<p>Radnor-Haverford-Marple Sewer Authority 5-year term 1 Vacancy (as of 1/1/2019)</p>
<p>Environmental Advisory Board 1 Vacancy</p>	<p>Willows Park Preserve 1 Vacancy</p>
<p>Willows Park Preserve 1 Vacancy</p>	<p>Zoning Hearing Board 1 Vacancy – unexpired term 12/31/2020</p>

Appointments to Various Boards and Commissions

RESOLUTION NO. 2018-144
A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY,
PENNSYLVANIA, AUTHORIZING RADNOR TOWNSHIP TO APPLY FOR A GRANT
THROUGH PENNDOT'S GREEN LIGHT GO PROGRAM, FOR TRAFFIC SIGNALS ON
LANCASTER AVENUE, FROM RADNOR CHESTER ROAD TO THE I-476 NORTH BOUND
RAMPS, IN PARTNERSHIP WITH PENN MEDICINE, AT NO COST TO RADNOR
TOWNSHIP

WHEREAS, the Lancaster Avenue Corridor is frequently congested

WHEREAS, As part of the Final Land Development approval (see Final Plan Resolution No. 2018-61, dated May 21, 2018) for Penn Medicine's project at 145 King of Prussia Rd., Penn Medicine agreed to the following:

Partner with the Township to install Traffic Adaptive Signal Systems at the following intersections, subject to PennDOT review and approval.

1. Lancaster Ave. & I-476 Northbound Ramps
2. Lancaster Ave. & I-476/King of Prussia Road.
3. Lancaster Ave. & I-476 Southbound Ramps.
4. Lancaster Ave. & Radnor-Chester Road.
5. Lancaster Ave. & Radnor Financial Center Eastern Driveway
6. Lancaster Ave. & Radnor Financial Center Western Driveway
7. King of Prussia Road & Radnor-Chester Road.
8. King of Prussia Road & Matsonford Road.
9. Matsonford Road & South Centennial Drive.
10. Matsonford Road & North Centennial Drive.
11. King of Prussia Road & Raider Road.
12. King of Prussia Road & Northern Driveway (if signalized).
13. Radnor Chester and Raider Road
14. Radnor Chester and Radnor Financial Center

WHEREAS PennDOT is currently accepting grant applications for their Green Light Go program. The grant application is due January 11, 2019.

WHEREAS In previous discussion with PennDOT District 6-0 staff, PennDOT indicated that they generally support using Green Light Go funds for installing adaptive signals along Lancaster Avenue.

WHEREAS Private entities, like Penn Medicine, are not eligible for Green Light Go grants, but municipalities are.

WHEREAS, Penn Medicine will prepare the grant on behalf of the Township and Penn Medicine will incur any costs associated with applying for the grant.

WHEREAS, Penn Medicine will provide designs, approved by Penn DOT and Radnor Township, for the signals and any required matching funds for the grant.

NOW, THEREFORE, it is hereby **RESOLVED** that the Board of Commissioners of Radnor Township hereby authorizes the Radnor Township to apply for a Green Light Go Grant from the Pennsylvania Department of Transportation in support of installing Adaptive Signal Systems along Lancaster Avenue.

SO RESOLVED, at a duly convened meeting of the Board of Commissioners of Radnor Township conducted on this 17th day of December, A.D., 2018.

RADNOR TOWNSHIP

By: _____

Name: Lisa Borowski

Title: President

ATTEST: _____

Name: Robert A. Zienkowski

Title: Township Manager/Secretary

Radnor Township

PROPOSED LEGISLATION

DATE: December 11, 2018

TO: Radnor Township Board of Commissioners

FROM: Stephen F. Norcini, P.E., Township Engineer *SN*

CC: Robert A. Zienkowski, Township Manager
William M. White, Assistant Township Manager/Finance Director
Melissa Conn, Grant Coordinator
James Markham, PE, Pennoni Associates

LEGISLATION: **Resolution # 2018-144: Authorizing Radnor Township to Apply for a Grant Through Penn DOT's Green Light Go Program, for Traffic Signals on Lancaster Avenue, from Radnor Chester Road to the I-476 North Bound Ramps, in Partnership with Penn Medicine, At No Cost to Radnor Township**

LEGISLATIVE HISTORY: This agenda item has not been before the Board of Commissioners previously.

PURPOSE AND EXPLANATION: By virtue of Resolution #2018-61, 145 King of Prussia Road, Penn Medicine, received Final Land Development approval. One of the requirements of the approval was that Penn Medicine install traffic adaptive signals at the fourteen intersections listed below:

1. Lancaster Ave. & I-476 Northbound Ramps
2. Lancaster Ave. & I-476/King of Prussia Road.
3. Lancaster Ave. & I-476 Southbound Ramps.
4. Lancaster Ave. & Radnor-Chester Road.
5. Lancaster Ave. & Radnor Financial Center Eastern Driveway
6. Lancaster Ave. & Radnor Financial Center Western Driveway
7. King of Prussia Road & Radnor-Chester Road.
8. King of Prussia Road & Matsonford Road.
9. Matsonford Road & South Centennial Drive.
10. Matsonford Road & North Centennial Drive.
11. King of Prussia Road & Raider Road.
12. King of Prussia Road & Northern Driveway (if signalized).
13. Radnor Chester and Raider Road
14. Radnor Chester and Radnor Financial Center

The Township agreed to allow Penn Medicine to pursue grants for the traffic adaptive project, understanding that the Township would need to be on the grant application, since private entities cannot apply for these grants. It was also further understood, that the Township would not incur any costs as a result of these grant applications.

Penn Medicine is planning to apply for a grant for the highlighted intersections above, using the cost of the

remaining intersection as their match. Please note the highlighted intersections are all on S.R. 30, Lancaster avenue.

IMPLEMENTATION SCHEDULE: The Green Light Go grant application is due January 11th, 2018. Penn Medicine will apply for the grant within the required timeline pending Board of Commissioners approval.

FISCAL IMPACT: There is no fiscal impact to the Township.

RECOMMENDED ACTION: Staff recommends the Commissioners approve the grant application, as was agreed upon by the Board during the Land Development process.



MEMORANDUM

TO: Steve Norcini, P.E., Radnor Township

FROM: James Markham, P.E. Pennoni Associates

DATE: December 11, 2018

SUBJECT: Penn Medicine - Green Light Go Grant Opportunity

Steve-

As part of the Final Land Development approval (see Final Plan Resolution No. 2018-61, dated May 21, 2018) for Penn Medicine's project at 145 King of Prussia Rd., Penn Medicine agreed to the following:

Partner with the Township to install Traffic Adaptive Signal Systems at the following intersections, subject to PennDOT review and approval.

1. Lancaster Ave. & I-476 Northbound Ramps
2. Lancaster Ave. & I-476/King of Prussia Road.
3. Lancaster Ave. & I-476 Southbound Ramps.
4. Lancaster Ave. & Radnor-Chester Road.
5. Lancaster Ave. & Radnor Financial Center Eastern Driveway
6. Lancaster Ave. & Radnor Financial Center Western Driveway
7. King of Prussia Road & Radnor-Chester Road.
8. King of Prussia Road & Matsonford Road.
9. Matsonford Road & South Centennial Drive.
10. Matsonford Road & North Centennial Drive.
11. King of Prussia Road & Raider Road.
12. King of Prussia Road & Northern Driveway (if signalized).
13. Radnor Chester and Raider Road
14. Radnor Chester and Radnor Financial Center

PennDOT is currently accepting grant applications for their Green Light Go program. In previous discussion with PennDOT District 6-0 staff, PennDOT indicated that they generally support using Green Light Go funds for installing adaptive signals along Lancaster Avenue. Private entities, like Penn Medicine, are not eligible for Green Light Go grants, but municipalities are. Therefore, we were hoping that Radnor Township would agree to apply for this grant funding for signals 1-6 above as part of the partnership with Penn Medicine. Penn Medicine will prepare the grant on behalf of the Township, and will incur any costs associated with applying for the grant. The grant application is due January 11, 2019. The attached draft resolution language is included for your use.

Thank you for your consideration, and do not hesitate to contact me with any questions or concerns.

RESOLUTION NO. 2018-145
A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY,
PENNSYLVANIA, WAIVING 245-22.A(2)(C)[2] – MINIMUM INFILTRATION
REQUIREMENT, OF THE 2005 STORMWATER MANAGEMENT ORDINANCE FOR
GRADING PERMIT #18-181, 309 MIDLAND AVENUE

WHEREAS, Daniel and Marita Finley, owners of 309 Midland Avenue wish to construct improvements to their property adding 1,176 square feet of new impervious cover

WHEREAS, soil conditions due not support groundwater recharge

WHEREAS, the Township's Ordinance requires the applicant request a waiver from the Stormwater Management Ordinance in these instances

NOW, THEREFORE, be it **RESOLVED** by the Board of Commissioners of Radnor Township does hereby grant the requested waiver from 245-22.A(2)(C)[2] – minimum infiltration requirement, of the 2005 Stormwater Management Ordinance for Grading Permit #18-178, 12 Meadowood Road

SO RESOLVED this 17th day of December, A.D., 2018

RADNOR TOWNSHIP

By: _____
Name: Lisa Borowski
Title: President

ATTEST: _____
Robert A. Zienkowski
Manager/Secretary

Radnor Township
PROPOSED LEGISLATION

DATE: December 10, 2018
TO: Radnor Township Board of Commissioners
FROM: Stephen F. Norcini, P.E., Township Engineer *SFN*
CC: Robert A. Zienkowski, Township Manager
William M. White, Assistant Township Manager/Finance Director

LEGISLATION: Resolution #2018-145- 309 Midland Avenue- Grading Permit # 18-181 –Requesting a Waiver from 245-22.A(2)(c)[2] – Minimum Infiltration Requirement, of the 2005 Stormwater Management Ordinance

LEGISLATIVE HISTORY: This agenda item has not been before the Board of Commissioners previously.

PURPOSE AND EXPLANATION: The applicant for Grading Permit #2018-181, at the location of 309 Midland Avenue, is requesting a waiver from the above referenced Ordinance due to the soils on the property being unable to infiltrate stormwater runoff. The work proposed under the permit application includes:

1. Pool and deck – 1,052 SF of new impervious
 2. Patio – 124 SF of new impervious
- TOTAL proposed new impervious surface = 1,176 SF

The amount of impervious surface proposed would fall into the category that requires a recharge bed (as opposed to stormwater management).

When the situation occurs where the soils are not able to infiltrate at the required rate, the applicant is required to appear before the Commissioners to request a waiver, and provide alternatives to mitigate stormwater runoff.

IMPLEMENTATION SCHEDULE: Pending the Board of Commissioners decision: approval, denial, approval with conditions, staff will proceed with issuing the Grading Permit, or the applicant may re-submit the application or not continue with the project.

FISCAL IMPACT: There is no fiscal impact to the Township.

RECOMMENDED ACTION: The Township's Ordinance states the applicant shall provide alternate means of addressing the stormwater runoff. As of the writing of this document, that has not occurred. Staff recommends Denial of Resolution #2018-137- 12 Meadowood Road- Grading Permit # 18-178 –Requesting a Waiver from 245-22.A(2)(c)[2] – Minimum Infiltration Requirement, of the 2005 Stormwater Management Ordinance, or Approval with the requirement of installation of other Best Management Practices in lieu of the required infiltration.



Gannett Fleming

*Excellence Delivered **As Promised***

Date: December 6, 2018

To: Stephen Norcini, P.E. – Township Engineer

From: Roger Phillips, PE

RE: 309 Midland Avenue – Stormwater Waiver Request
Grading Permit Application – GP 18-181

The applicant has submitted a grading permit for the construction of a 1,176 SF patio and swimming pool in the rear yard. The applicant is requesting a waiver of §245-22.A(2)(c)[2] of the Township's Stormwater Management Ordinance. The minimum infiltration requirement of 0.50 inches cannot be achieved.

The applicant has performed percolation testing at two (2) locations on the site. The required infiltration is not feasible due to the infiltration testing results of zero inches per hour. Additionally, ground water was encountered at a depth of 72 inches from existing grade.

The applicant has requested to appear before the Board of Commissioners to request a waiver from the above-mentioned section of the Ordinance.

In addition to the waiver request, the applicant must address the following item(s) prior to the issuance of the Grading Permit:

1. The applicant must address the remaining grading permit review comments per the Gannett Fleming email dated November 30, 2018.

If you have any questions or require any additional information, please contact me.

Very truly yours,

GANNETT FLEMING, INC.

Roger A. Phillips, P.E.
Senior Project Manager



November 30, 2018

Radnor Township Board of Commissioners
301 Iven Avenue
Wayne, PA 19087

Project: Finley Property – New In-Ground Pool
309 Midland Avenue
Waiver Request

Dear Board Members:

On behalf of the applicants, Dan and Marita Finley, who are also the homeowners of the above referenced property, we are hereby requesting a waiver from Section 245-22.A of the Radnor Township Stormwater Management Ordinance. The applicants are unable to meet the groundwater recharge requirements of this section due to poor soils and shallow groundwater throughout the property. Section 245-22.A.(2)(c)[2] allows applicants to seek a waiver if the minimum required recharge volume cannot be infiltrated, which is the case here.

The project involves the installation of a new in-ground pool with an associated concrete patio in the applicant's rear yard. The total new impervious surface area associated with this project is 1,176 SF. It was the intent of the applicants to install a rain garden or underground seepage bed to meet the groundwater recharge requirements. However, soils investigation and testing showed that infiltration of groundwater is not possible on this property. On November 8, 2018, Delaware Valley Septic-Sewer-Storm conducted exploration and infiltration testing at two locations on the property. Both locations displayed shallow groundwater, soils clearly affected by long-term groundwater inundation, and measured infiltration rates of zero at multiple elevations.

Based on the information and testing provided by Delaware Valley Septic-Sewer-Storm, it is my professional opinion that concentrated groundwater recharge is not possible, or appropriate, for this project. Thus, we are requesting this waiver.

Thank you for considering this request.

A.M.D.G.,

A handwritten signature in black ink, appearing to read 'D. Lisanti', written over a horizontal line.

David M. Lisanti, P.E.

Cc: Michael Neilio, A&S Pools

Impervious Surface

Complete the impervious surface table (required).

Location: 309 Midland Ave.

Project Description: In ground Pool

Gross Lot Area 36,915 Sq. Ft.

To be Completed by Radnor Township	
Permit Number:	<u>18-181</u>
Submission Date:	<u>11/21/10</u>
Shade Tree Approval Date:	_____
Final Approval Date:	_____
Zoning Approval:	_____
Zoning Officer	
Grading Permit Approval:	_____
Township Engineer	

Complete All Yellow Fields						
Cover Type	Existing Area (square feet)	Percentage of existing impervious surface area of your lot	Area of Impervious Removed (square feet)	Area of Added Impervious Cover (square feet)	Total Area (square feet)	Percentage of total impervious surface of your lot, as proposed
Building	3,038		∅	0	3,038	
Walkway/sidewalk	∅		↓	∅	∅	
Patios, decks	1,032			1,032	2,084	
Driveway	3,665			∅	3,665	
Other	1,576			124	1700	
Total	9,311			.25 %	1,176	

Estimated Cubic Yards of Dirt Involved -237cy Will this fill be taken off site Yes No

Number of trees to be removed (over 6" in diameter) 1 Is Property in Historical District Yes No

Place a check in the box of the Zoning District applicable to your lot. (required)

Zoning Table							
Zoning District	Maximum Impervious Cover (%)		Zoning District	Maximum Impervious Cover (%)		Zoning District	Maximum Impervious Cover (%)
R-1	22		CO 2,3 stories	50		GH_CR	95
R-2	30		C1	60		GH-BC	50
R-3	35		C-2	70		GH-OS	15
R-4	40		C-3	65		WBOD	NA
R-5 Semi/2 family detached	40		PI	45		PB	55
R-5 Multi Dwelling	36		PA	50		PLO	55
R-6	70		GH-N	60		FC	NA
R-IA	30		GH-GA	80		PLU	45

TO BE COMPLETED BY APPLICANT

Property Owner(s) Daniel Finley

Address of Property 309 Midland Ave. Wayne, Pa 19087

Phone Number 610-592-8942 Email _____

Engineer/Surveyor David M. Lisanti, P.E., LLC

Phone Number 484-547-4684 Email _____

The undersigned hereby makes application for a Permit under Chapter 175 and any amendments there of:

Signature of Applicant 

Please note the following requirements:

1. Submit five (5) copies of the plan set with your application
2. Plans are to be no larger than 24" x 36", and shall be folded
3. Shade Tree Commission: If your project meets any of the following requirements, you will be required to attend the Shade Tree Commission Meeting, as well as submit an additional 8 (eight) sets of plans:
 - a. Any clearing activity which proposes the removal of six (6) or more trees with a Diameter at Breast Height (DBH) of 6" or greater
 - b. Grading in excess of 200 cubic yards, excavation in excess of 60 cubic yards
 - c. Grading for parking lots of 5 or more cars
 - d. Removal of a Heritage Tree (30"DBH or greater) in a non-emergency situation.
 - e. Forestry management and practices
 - f. Swimming pool permits
 - g. The Shade Tree Commission shall review, if directed by the Township Engineer, applications submitted to the Township for the following: Demolition permits on any building lot whereby the proposed work may impact or cause the removal of trees; and Commercial tree removal.
4. Stormwater Calculations:
 - a. Replacement of impervious surface is considered "new" impervious
 - b. There is no credit for the removal of impervious surface
 - c. Stormwater calculations are to be based on the total of all added impervious (not the net impervious surface)
 - d. **Minor Grading Permit** (< 500 SF added impervious) – installation of a stormwater BMP is encouraged.
 - e. **Grading Permit** (500 SF – 1,499 SF of added impervious) – groundwater recharge is required.



RECEIVED

504 Eagle Road, Suite B

Springfield, PA 19064

dvs@delvalseptics.com

NOV 21 2018
18-187

**RADNOR TOWNSHIP
ENGINEERING DEPARTMENT** www.delvalseptics.com

DELAWARE VALLEY SEPTIC • SEWER • STORM

PA HIC # 108248

PERCOLATION REPORT

Client: Dan & Marita Finley

Location: 309 Midland Avenue - Location A

Municipality: Radnor Township County: Delaware

Date: November 8, 2018 Degrees: _____ Rain: No

On-Site Septic System: _____ Storm Water Testing: X

Falling Head Testing: _____ Double Ring Testing: X

Hole #	Depth	Water	Time	PS1	PS2	1	2	3	4	5	6	7	8
#1	2'		30	0	0	0							
#2	3'		30	0	0	0							
#3	4'		30	0	0	0							
#4													
#5													
#6													

Final Reading	
#1	0
#2	0
#3	0
#4	
#5	
#6	

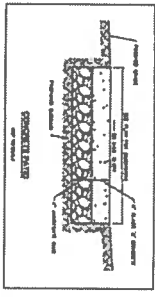
Inches / Hour	
#1	0
#2	0
#3	0
#4	
#5	
#6	

NOTES
Limiting Zone @ 6' Deep
Ground Water Infiltration

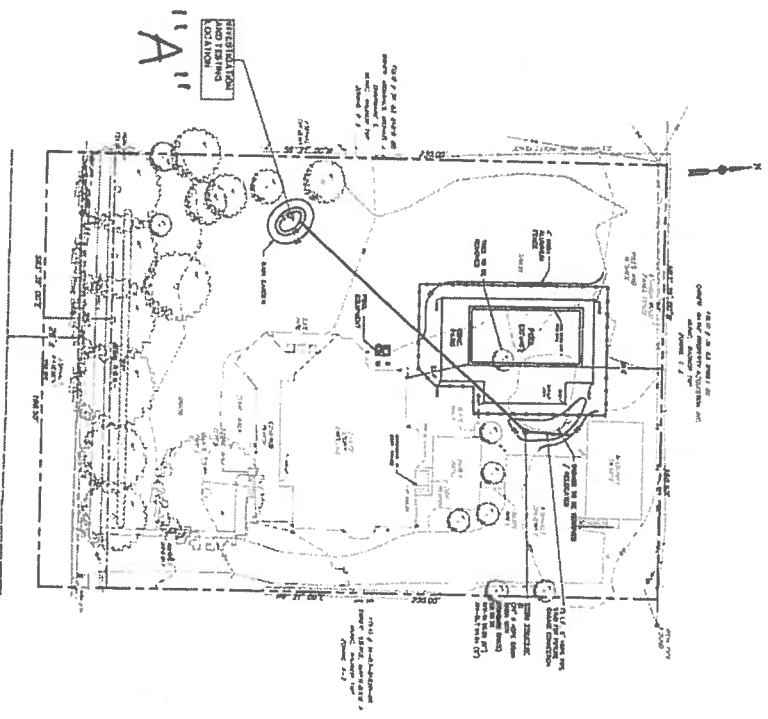
RUN RATE=	0
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LEGEND

	EXISTING SITE BOUNDARY
	PROPOSED SITE BOUNDARY
	EXISTING BUILDING
	PROPOSED BUILDING
	EXISTING PARKING
	PROPOSED PARKING
	EXISTING LANDSCAPE
	PROPOSED LANDSCAPE
	EXISTING UTILITY
	PROPOSED UTILITY
	EXISTING TREE
	PROPOSED TREE
	EXISTING FENCE
	PROPOSED FENCE
	EXISTING DRIVEWAY
	PROPOSED DRIVEWAY
	EXISTING SIDEWALK
	PROPOSED SIDEWALK
	EXISTING STREET
	PROPOSED STREET
	EXISTING EASEMENT
	PROPOSED EASEMENT
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY



MIDLAND AVENUE
(30'-WIDE)



EXISTING UTILITIES

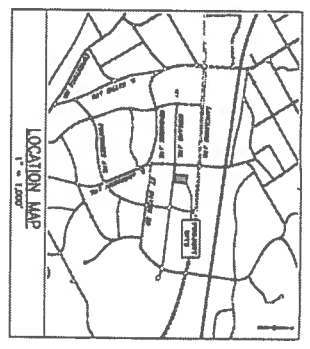
Utility	Depth	Material	Notes
Water	48\"/>		
Sewer	48\"/>		
Gas	48\"/>		
Electric	48\"/>		
Telephone	48\"/>		
Cable	48\"/>		
Other	48\"/>		

PROPOSED UTILITIES

Utility	Depth	Material	Notes
Water	48\"/>		
Sewer	48\"/>		
Gas	48\"/>		
Electric	48\"/>		
Telephone	48\"/>		
Cable	48\"/>		
Other	48\"/>		

NOTES

1. ALL UTILITIES SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY.
2. THE CLIENT IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
3. THE PROPOSED UTILITIES ARE SHOWN AS APPROXIMATE LOCATIONS AND DEPTHS.
4. THE CLIENT IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL UTILITIES SHOWN.
5. THE PROPOSED UTILITIES ARE SHOWN IN CONFORMANCE WITH THE LOCAL CODES AND REGULATIONS.
6. THE CLIENT IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
7. THE PROPOSED UTILITIES ARE SHOWN AS APPROXIMATE LOCATIONS AND DEPTHS.
8. THE CLIENT IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL UTILITIES SHOWN.
9. THE PROPOSED UTILITIES ARE SHOWN IN CONFORMANCE WITH THE LOCAL CODES AND REGULATIONS.
10. THE CLIENT IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.



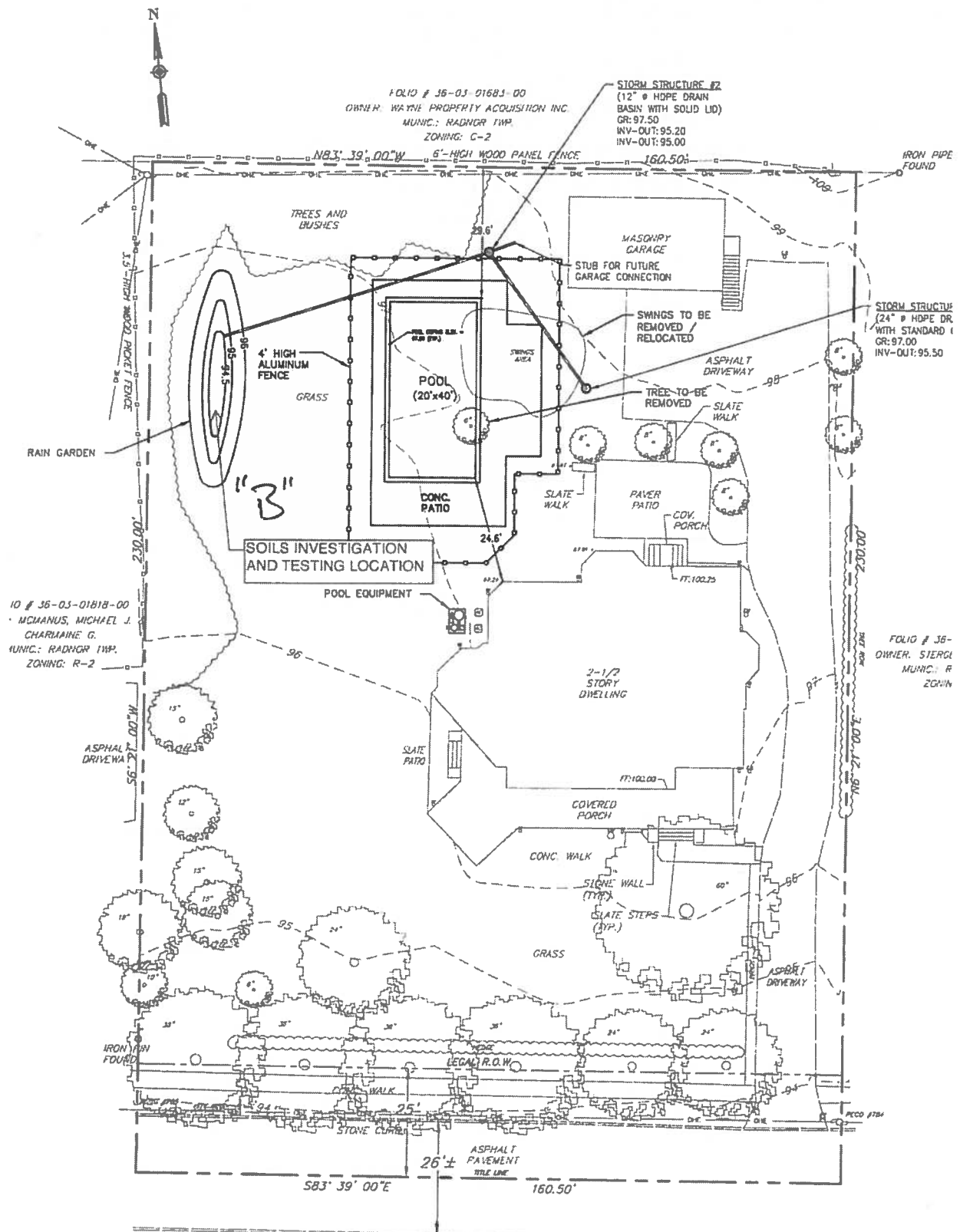
SITE IMPROVEMENTS PLAN

DATE: 04/20/2018
SCALE: 1" = 20'

DAVID H. USMAN, P.E., LLC
2700 MARKET ST., SUITE 200
PHILADELPHIA, PA 19104
TEL: 215-595-1234
WWW.DHUSMAN.COM

300 LODGE PROPERTY PA 19007
BRIDGEWATER, PENNSYLVANIA

1 of 2



MIDLAND AVENUE
(50'-WIDE)

RIM: 93.27

5

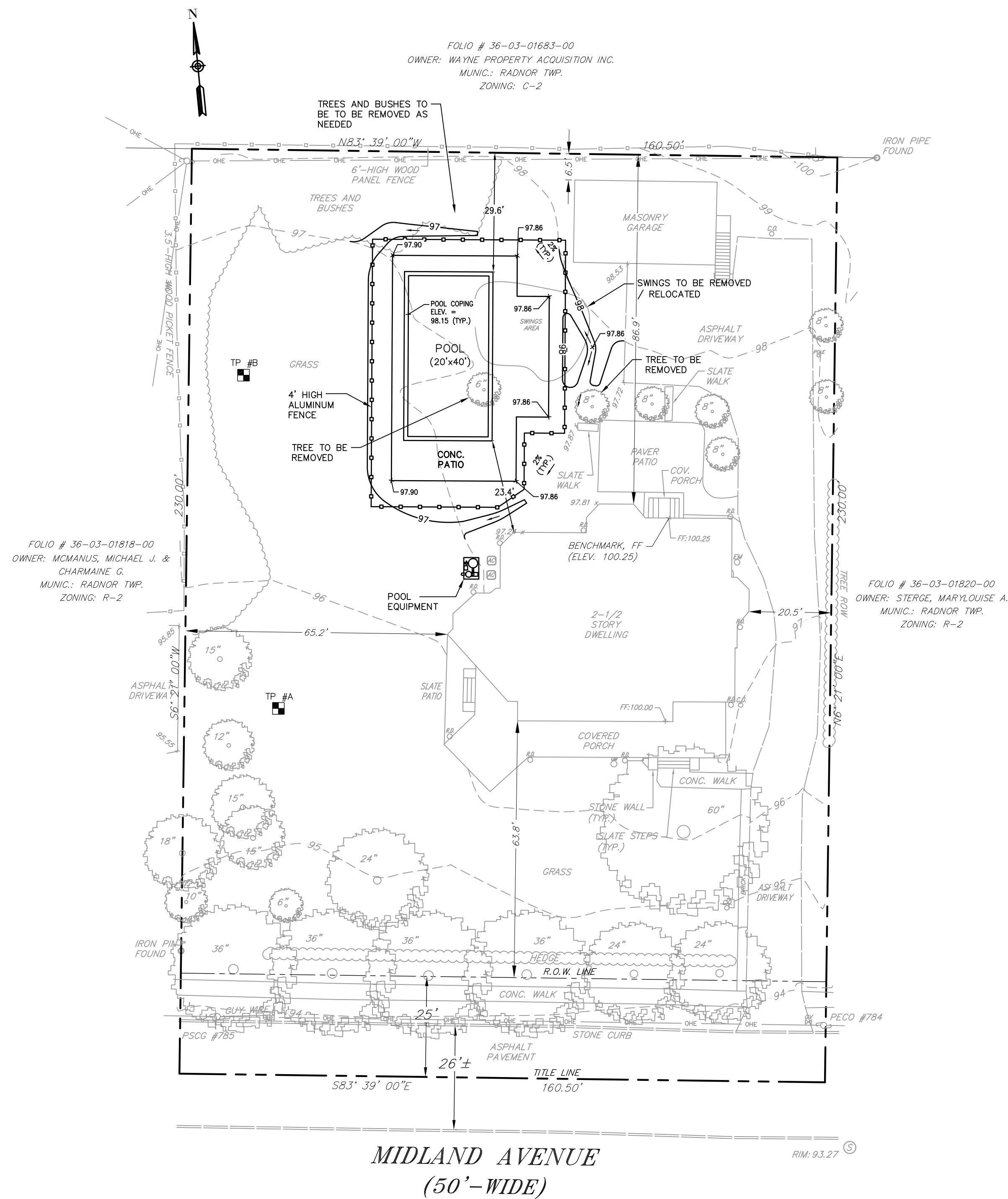
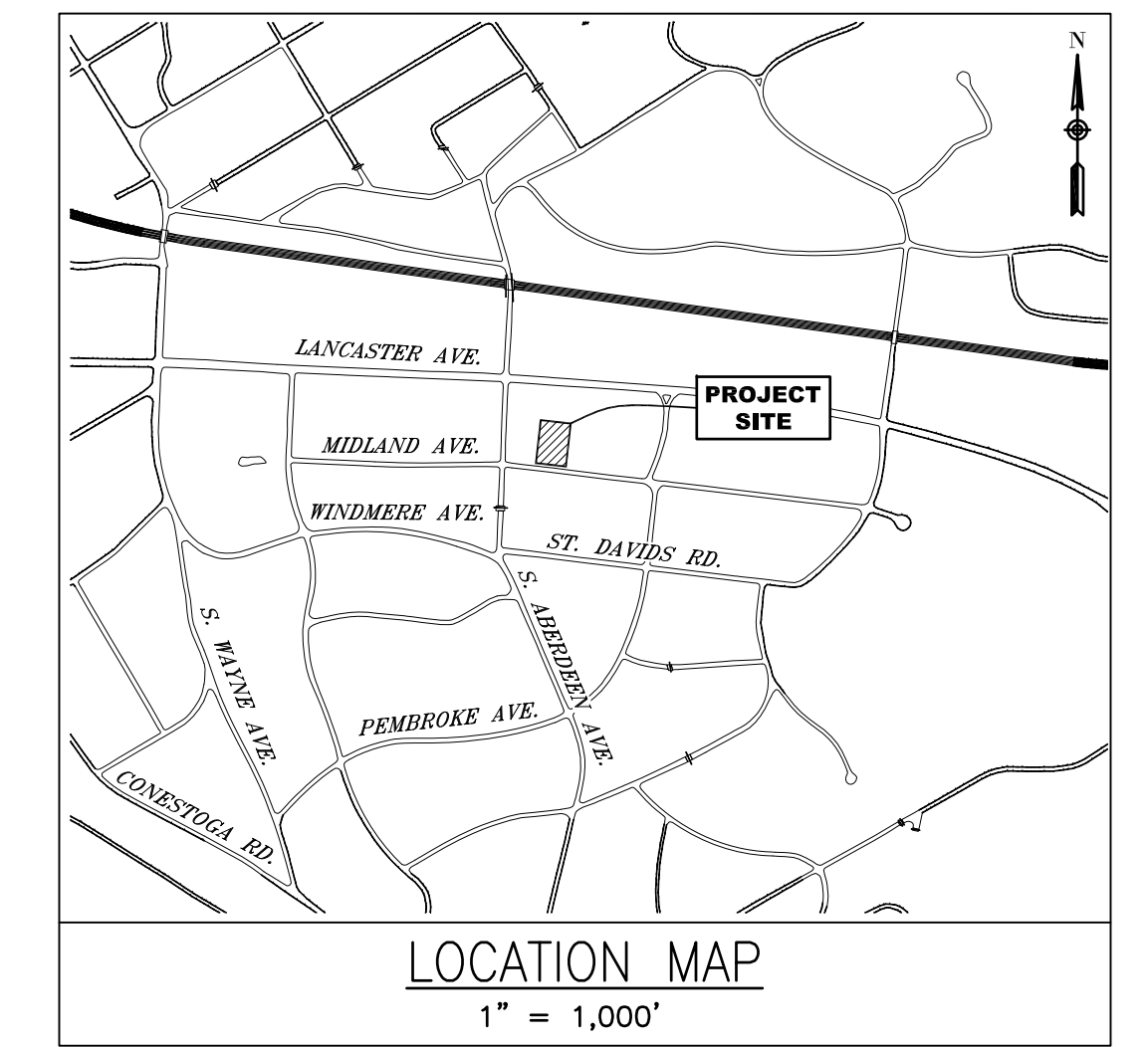
FOLIO # 36-03-01683-00
OWNER: WAYNE PROPERTY ACQUISITION INC.
MUNIC.: RADNOR TWP.
ZONING: C-2

STORM STRUCTURE #2
(12" Ø HDPE DRAIN
BASIN WITH SOLID LID)
GR: 97.50
INV-OUT: 95.20
INV-OUT: 95.00

STORM STRUCTURE
(24" Ø HDPE DR.
WITH STANDARD I
GR: 97.00
INV-OUT: 95.50

10 # 36-05-01818-00
MCMANUS, MICHAEL J.
CHARMAINE G.
MUNIC.: RADNOR TWP.
ZONING: R-2

FOLIO # 36-
OWNER: STERGI
MUNIC.: R
ZONING:



PROPERTY INFO

PARCEL I.D. #: 36-03-01819-00
 DEED BOOK / PAGE: 2284 / 1824
 ADDRESS: 309 MIDLAND AVE.
 WAYNE, PA 19087
 OWNER: FINLEY, DANIEL & MARTA

GENERAL NOTES

- THE PURPOSE OF THIS PLAN IS TO DEPICT THE CONSTRUCTION OF A NEW IN-GROUND POOL WITH A CONCRETE PATIO ON AN EXISTING RESIDENTIAL LOT.
- TOPOGRAPHY AND CONTOURS SHOWN ARE BASED ON A LIMITED FIELD SURVEY PERFORMED IN JUNE 2018. BOUNDARY, INCLUDING BEARINGS AND DISTANCES, ARE SHOWN BASED ON THE PROPERTY DEED DESCRIPTION. NO BOUNDARY SURVEY HAS BEEN PERFORMED FOR THIS PROJECT.
- SURVEY WAS PERFORMED WITHOUT ACCESS TO A TITLE REPORT, WHICH WOULD PROVIDE INFORMATION ON ANY LEGAL RIGHT, RESERVATION, OR EASEMENT ON THE SUBJECT PROPERTY.
- VERTICAL DATUM IS ASSUMED.
- PER FEMA FIRM 42045C0017F, EFFECTIVE DATE 11/18/2009, THE ENTIRE PROPERTY IS DESIGNATED AS ZONE X, WHICH IS CLASSIFIED AS "AREA OF MINIMAL FLOOD HAZARD".
- BASED ON THE OBSERVED EXISTING FEATURES, THE EXISTING DWELLING APPEARS TO BE SERVED BY PUBLIC WATER AND SEWER SERVICES.
- LIMITS OF UNDERGROUND UTILITY SERVICE LINES ON THE LOT CANNOT BE DETERMINED.
- EXISTING UTILITIES SHOWN ON THIS PLAN SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. REPAIR OF DAMAGED UTILITIES ON OR OFF THE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY PA-1-CALL SYSTEM AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
- ANY PROPOSED UTILITIES ARE REQUIRED TO BE PLACED UNDERGROUND.
- REFER TO POOL COMPANY PLANS FOR POOL CONSTRUCTION DETAILS.
- PROJECT BENCHMARK IS THE FINISHED FLOOR ELEVATION OF THE EXISTING DWELLING, AS MEASURED AT THE REAR DOOR SILL. LOCATION IS SHOWN ON PLAN.
- ALL DISTURBED AREAS NOT COVERED BY IMPERVIOUS SURFACES OR SPECIALTY LANDSCAPING SHALL BE VEGETATED WITH TURF GRASS.
- THE NEW POOL'S PROTECTIVE FENCING SHALL BE A FOUR (4) FOOT HIGH ALUMINUM FENCE. FENCE SHALL MEET THE REQUIREMENTS OF IRC-2009 APPENDIX-G. COLOR AND STYLE SHALL BE REVIEWED AND APPROVED BY THE HOMEOWNER.
- ANY PEDESTRIAN ACCESS GATE INSTALLED ON THE NEW POOL'S PROTECTIVE FENCE SHALL OPEN OUTWARD FROM THE POOL, BE SELF-CLOSING, AND HAVE A SELF-LATCHING DEVICE. NON-PEDESTRIAN GATES SHALL BE EQUIPPED WITH A SELF-LATCHING DEVICE. ALL GATES SHALL MEET THE REQUIREMENTS OF IRC-2009 APPENDIX-G.

LOT AREA SUMMARY:

LOT AREA = 36,915 SF (0.847 AC)

IMPERVIOUS SURFACES SUMMARY:

	EXISTING	ADDED	PROPOSED
DWELLING (BUILDING) =	3,038 SF	0 SF	3,038 SF
COVERED PORCHES (BUILDING) =	850 SF	0 SF	850 SF
GARAGE (BUILDING) =	728 SF	0 SF	800 SF
DECK =	57 SF	0 SF	57 SF
PATIO / HARDSCAPE / WALKWAYS =	975 SF	+1,052 SF	2,027 SF
DRIVEWAY =	3,665 SF	0 SF	3,665 SF
POOL COPING =	0 SF	+124 SF	124 SF
TOTAL =	9,311 SF	+1,176 SF	10,487 SF

ZONING INFO:

- SUBJECT PROPERTY IS IN THE "R-2 RESIDENCE DISTRICT".
- THE SITE IS NOT LOCATED IN ANY OVERLAY DISTRICTS.
- CURRENT PRIMARY USE IS A SINGLE-HOUSEHOLD DETACHED DWELLING, WHICH IS PERMITTED BY RIGHT.
- PROPOSED ACCESSORY USE IS A RESIDENTIAL POOL, WHICH IS PERMITTED BY RIGHT.

DIMENSIONAL DATA:

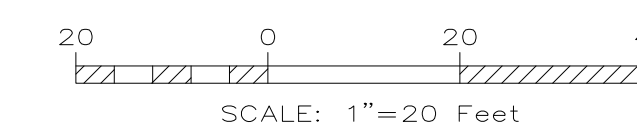
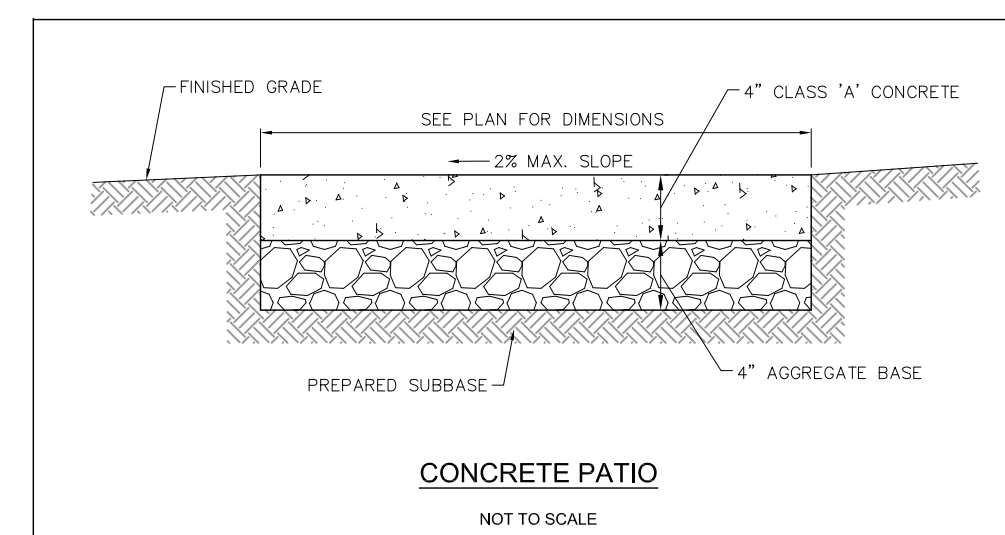
	REQUIREMENT	EXISTING	PROPOSED
MIN. LOT AREA	20,000 SF	36,915 SF	36,915 SF
MIN. LOT WIDTH	100 FT	160.5 FT	160.5 FT
MAX. BUILDING AREA	18 % OF LOT AREA	12.5 %	12.5 %
MIN. FRONT YARD	40 FT	40 FT	40 FT
SIDE YARD			
MIN. AGGREGATE WIDTH	45 FT	45 FT	45 FT
MIN. INDIVIDUAL WIDTH	20 FT	20 FT	20 FT
MIN. REAR YARD	40 FT	40 FT	40 FT
MAX. IMPERVIOUS SURFACE	30 % OF LOT AREA	25.2 %	28.4 %
RIPARIAN BUFFER SETBACK	35 FT	N/A	N/A
MAX. BUILDING HEIGHT			
MAX. STOREYS	3	2.5	2.5
MAX. MEASUREMENT	35 FT	< 35 FT	< 35 FT
MAX. ACCESSORY BLDG. HEIGHT	20 FT	< 20 FT	< 20 FT

LEGEND

- : SUBJECT PROPERTY BOUNDARY
- : RIGHT-OF-WAY LINE
- : ADJOINER PROPERTY LINE
- : EXISTING CONTOUR
- : PROPOSED CONTOUR
- : EXISTING SPOT ELEVATION
- : PROPOSED SPOT ELEVATION
- : EXIST. TREE
- : EXISTING WATER SERVICE STRUCTURE
- : EXISTING ROOF DOWNSPOUT
- : EXISTING SANITARY CLEANDOUT
- : EXISTING ELECTRICAL / TELEPHONE / CABLE BOX
- : EXISTING AIR CONDITIONING UNIT
- : SOILS TEST PIT LOCATION

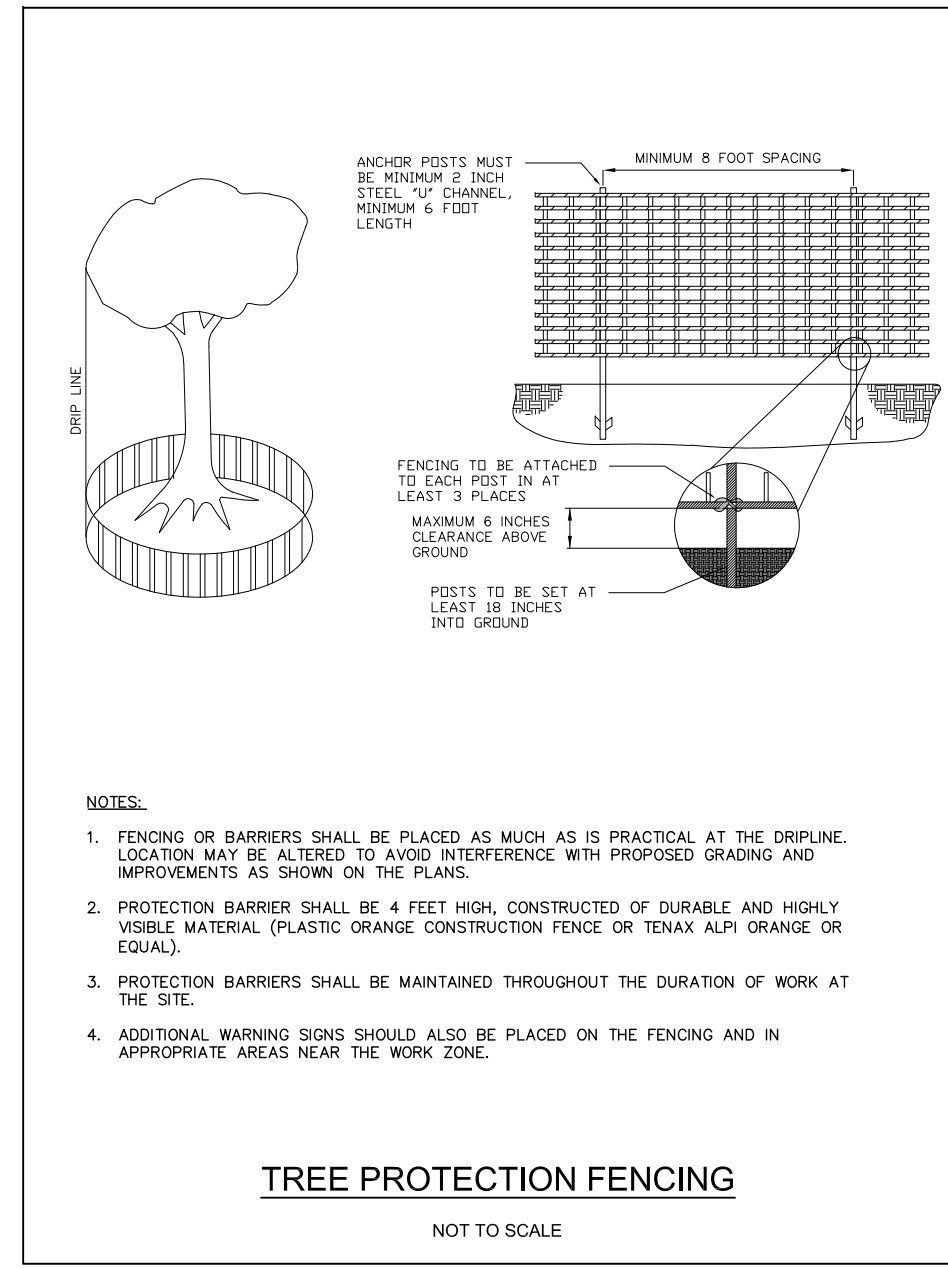
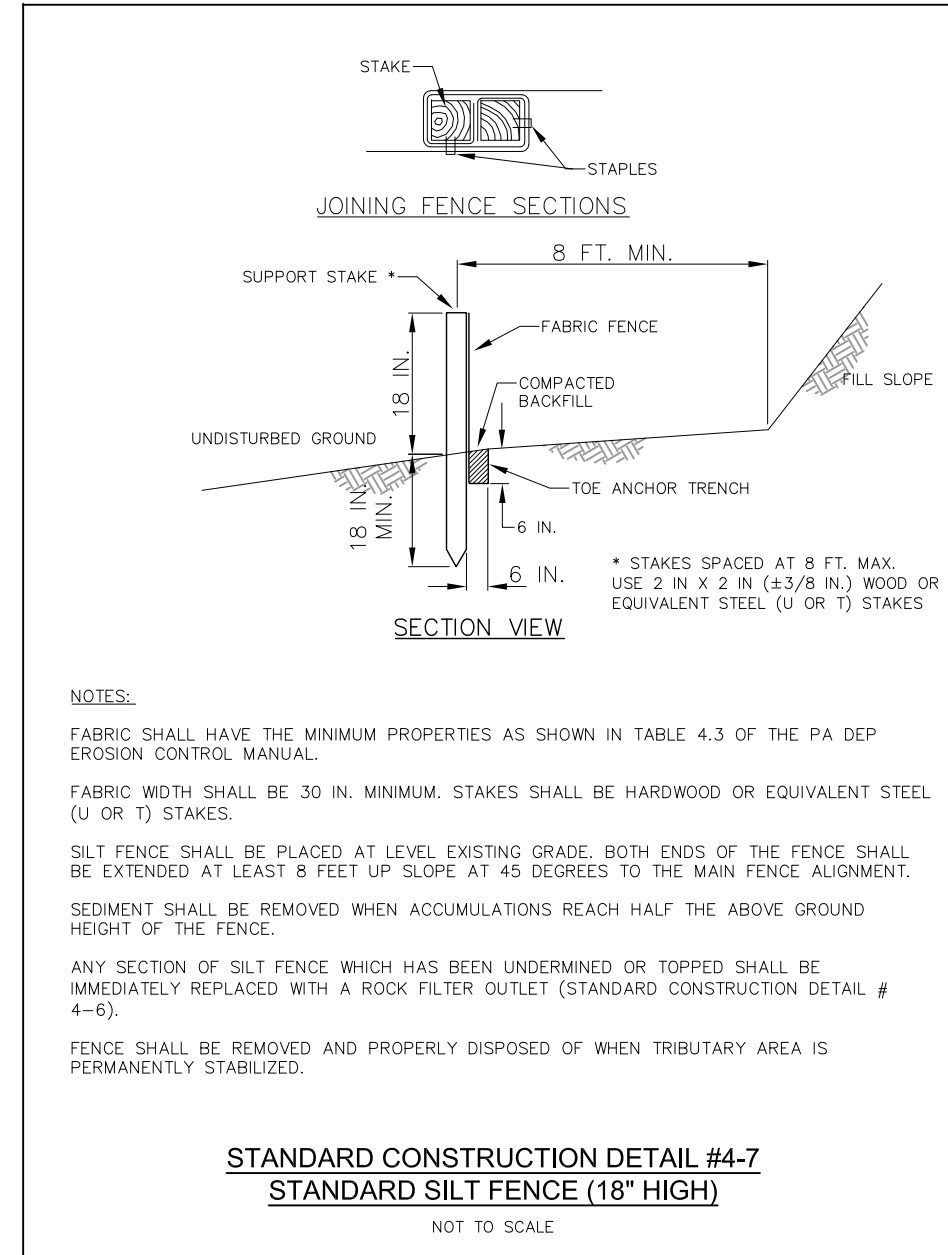
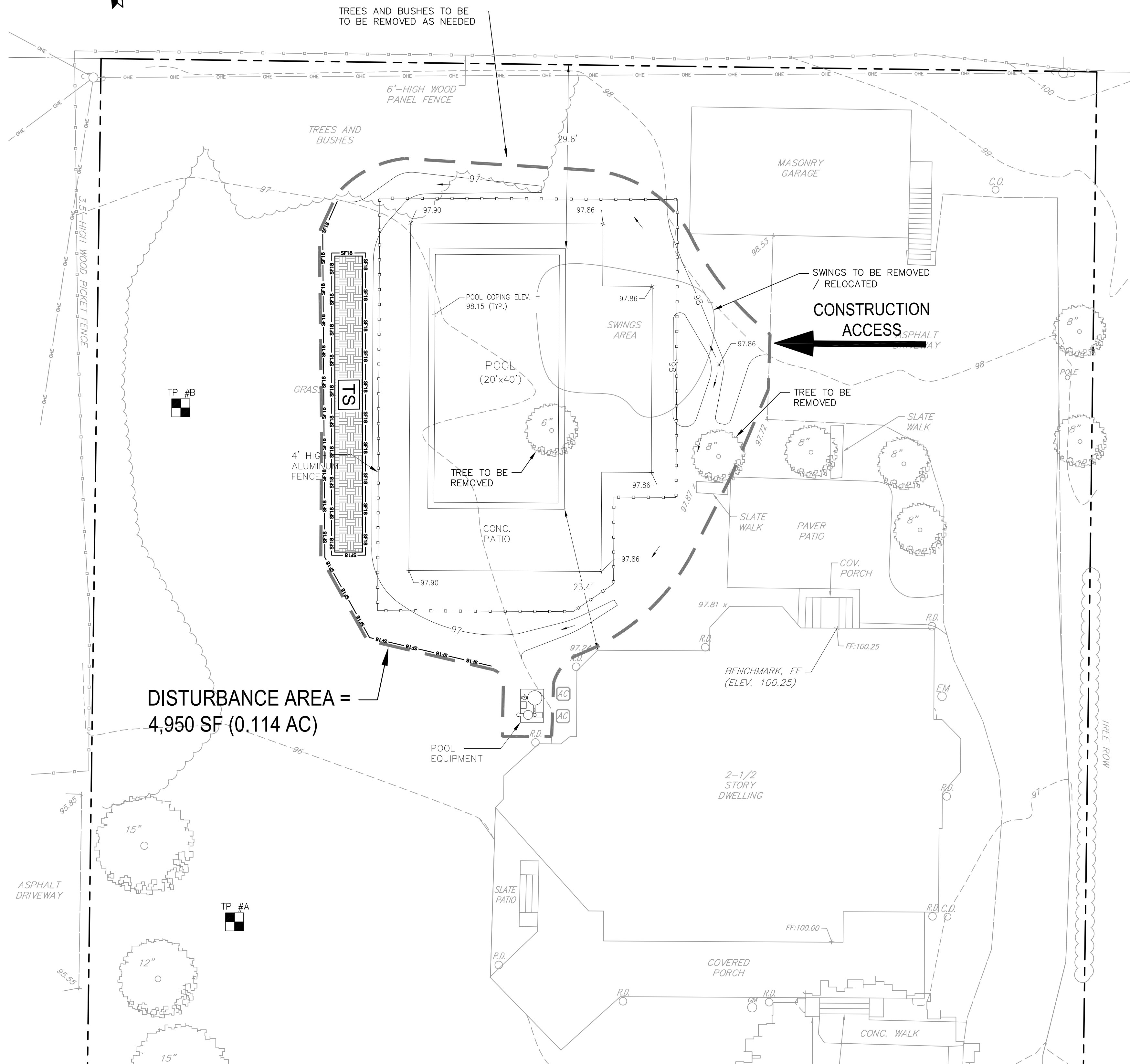
TEST PIT I.D.	TEST PIT BOTTOM DEPTH	LIMITING ZONE DEPTH	INFILTRATION TEST DEPTH	MEASURED INFILTRATION RATE
TP #A	6'	6" - GROUNDWATER	2' 3'	0 IN./HR. 0 IN./HR.
TP #B	6'-6"	6" - 6" GROUNDWATER	2'-6" 3'-6" 4'-6"	0 IN./HR. 0 IN./HR. 0 IN./HR.

NOTES: 1) INFORMATION PROVIDED FROM DELVAL SEPTIC LLC FIELD TESTING ON 11/08/2018; 2) ALL DEPTHS ARE REFERENCED BELOW EXISTING GRADE.



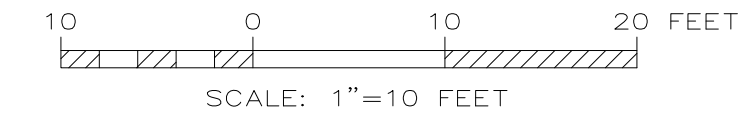
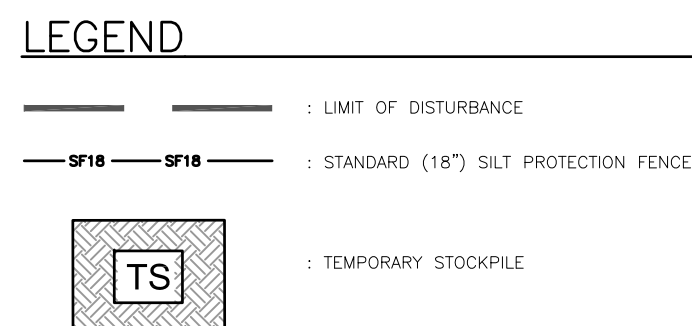
PREPARED BY:
DAVID M. LISANTI, P.E., LLC
 2768 OLD CEDAR GROVE ROAD
 BROOMALL, PA 19008
 (484) 574-4684
 DLISANTI@OUTLOOK.COM

DATE:	REVISION:	SHEET:
SHEET NAME:		1 OF 2
SITE IMPROVEMENTS PLAN		
SCALE:	PERMIT PLAN	
1" = 20'	FOR	
DATE:	FINLEY PROPERTY	
11/19/2018	309 MIDLAND AVE., WAYNE, PA 19087	
PROJECT:	RADNOR TOWNSHIP	
18-25	DELAWARE COUNTY, PA	



- GENERAL EROSION & SEDIMENT CONTROL NOTES**
- EROSION AND SEDIMENT CONTROLS MUST BE MAINTAINED PROPERLY AT ALL TIMES. FREQUENT INSPECTION IS REQUIRED AND MAINTENANCE / REPAIR WORK MUST BE PERFORMED IMMEDIATELY TO ENSURE THE CONTROLS ARE CONTINUALLY FUNCTIONING.
 - THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE, OR DISPOSE OF ALL BUILDING MATERIALS AND WASTE IN ACCORDANCE WITH THE DEPARTMENT OF ENVIRONMENTAL PROTECTION'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET SEQ., 271.1 ET SEQ., AND 287.1 ET SEQ. THE CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP, OR DISCHARGE ANY BUILDING MATERIALS OR WASTES AT THE SITE.
 - ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE CONSTRUCTION SEQUENCE. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.
 - UPON COMPLETION OR TEMPORARY CESSATION OF THE EARTH DISTURBANCE ACTIVITY THAT WILL EXCEED 4 DAYS, OR ANY STAGE THEREOF, THE PROJECT SITE SHALL BE IMMEDIATELY STABILIZED WITH THE APPROPRIATE TEMPORARY OR PERMANENT STABILIZATION. IT SHOULD BE NOTED THAT HYDROSEED IS NOT CONSIDERED TO BE STABILIZATION UNTIL IT GERMINATES. MAY OR STRAW MULCH MUST BE APPLIED AT 3.0 TONS PER ACRE.
 - THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FF-200 MUST BE RETURNED 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.
 - SEDIMENT TRACKED ONTO THE ROADWAY / DRIVEWAY SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORKDAY. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELLED OR SWEEP INTO ANY ROADSIDE DITCH, STORM SEWER OR SURFACE WATER.
 - IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE CONTRACTOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
 - STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
 - AREAS WHICH ARE TO BE TOP-SOILED 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 6 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING.
 - BEFORE INITIATING ANY REVISION TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED E & S CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM THE DESIGN ENGINEER AND THE MUNICIPALITY.
 - THE MAXIMUM TIME OF EXPOSURE FOR BARE AREAS SHALL BE 20 DAYS BEFORE STABILIZATION MEASURES ARE IMPLEMENTED.
- CONSTRUCTION NOTES**
- NO EARTH DISTURBANCE IS ALLOWED OUTSIDE OF THE LIMIT OF DISTURBANCE SHOWN ON THIS PLAN.
 - AREAS DISTURBED FOR UTILITIES INSTALLATION SHALL BE RESTORED TO ORIGINAL CONDITION.
 - CONTRACTOR SHALL ENSURE THAT NO SEDIMENT IS TRANSPORTED TO THE ROADWAY FROM THE PROJECT AREA DUE TO ENTERING AND EXITING VEHICLES.
 - AREA DISTURBED BY VEHICLE OR EQUIPMENT ACCESS TO THE CONSTRUCTION AREA SHALL BE RESTORED TO ORIGINAL CONDITION.
- CONSTRUCTION SEQUENCE**
- INSTALL PERIMETER SEDIMENT CONTROL DEVICES AND PROTECTION FENCING VEGETATION AS NEEDED. CONSTRUCTION VEHICLES SHALL BE PROHIBITED FROM ENTERING PROTECTED AREAS DURING CONSTRUCTION.
 - CLEAR AND GRUB PROJECT AREA.
 - STRIP TOPSOIL AND STORE IN TEMPORARY STOCKPILE LOCATIONS SHOWN.
 - EXCAVATE AREA FOR POOL AND PATIO INSTALLATION.
 - ROUGH GRADE THE PROJECT AREA.
 - CONSTRUCT POOL.
 - FINISH GRADE THE PROJECT AREA INCLUDING RE-INSTALLATION OF TOPSOIL AT A MINIMUM 4 INCH DEPTH.
 - SEED AND MULCH NEWLY GRADED AREAS OR INSTALL GRASS SOD.
 - REMOVE PERIMETER SEDIMENT CONTROL DEVICES.

- SURFACE STABILIZATION CRITERIA**
- TEMPORARY AND PERMANENT VEGETATIVE COVER (TURF GRASS) SHALL BE UTILIZED TO STABILIZE DISTURBED AREAS THROUGHOUT THE CONSTRUCTION PROCESS.
 - TEMPORARY AND PERMANENT VEGETATIVE COVER (TURF GRASS) SHALL BE A MIX RECOMMENDED BY A LANDSCAPING PROFESSIONAL, APPROPRIATE FOR THE INTENDED USE.
 - CONTRACTOR SHALL FOLLOW THE LANDSCAPING PROFESSIONAL'S INSTRUCTIONS FOR SEEDING.
 - TEMPORARY VEGETATIVE COVER SHALL BE UTILIZED FOR DISTURBED AREAS THAT WILL BE RE-DISTURBED, OR DURING LESS APPROPRIATE SEEDING PERIODS (SUMMER AND WINTER).
 - PERMANENT VEGETATIVE COVER SHALL ONLY BE ESTABLISHED DURING PRIME SEEDING PERIODS (SPRING AND FALL).
 - IF TEMPORARY VEGETATIVE COVER IS LEFT AFTER CESSATION OF CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RETURN DURING MORE APPROPRIATE SEEDING PERIODS (SPRING AND FALL) TO REMOVE TEMPORARY COVER AND REPLACE WITH PERMANENT VEGETATIVE COVER.



REGISTERED PROFESSIONAL ENGINEER
DAVID M. LISANTI
No. PE000272
PENNSYLVANIA

DATE	REVISION	SHEET
		2 of 2

EROSION & SEDIMENT CONTROL PLAN

SCALE: 1" = 10'

DATE: 11/19/2018

PROJECT: 18-25

PERMIT PLAN

FOR
FINLEY PROPERTY

309 MIDLAND AVE., WAYNE, PA 19087
RADNOR TOWNSHIP
DELAWARE COUNTY, PA

PREPARED BY:
DAVID M. LISANTI, P.E., LLC
2768 OLD CEDAR GROVE ROAD
BROOMALL, PA 19008
(484) 574-4664
DLISANTI@OUTLOOK.COM

RESOLUTION NO. 2018-146
A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY,
PENNSYLVANIA, AWARDED MELIORA DESIGN, LLC, THE CONTRACT TO
PROVIDE TOPOGRAPHICAL SURVEY FOR GULPH CREEK AND ASSOCIATED
AREAS IN CONJUNCTION WITH THE NORTH WAYNE FLOOD REDUCTION
PROJECT, IN THE AMOUNT OF \$80,000.

WHEREAS, the Township wishes to further develop and refine flood reduction options for the North Wayne Area of the Township

WHEREAS, topographical information is required to further develop this design

WHEREAS, Meliora Design has provided a cost proposal to perform this work

NOW, THEREFORE, be it *RESOLVED* by the Board of Commissioners of Radnor Township does hereby award Meliora Design, LLC, the contract to Provide Topographical Survey for Gulph Creek and Associated Areas in Conjunction with the North Wayne Flood Reduction Project, in the Amount of \$80,000.

SO RESOLVED this 17th day of December, A.D., 2018

RADNOR TOWNSHIP

By: _____
Name: Lisa Borowski
Title: President

ATTEST: _____
Robert A. Zienkowski
Manager/Secretary

Radnor Township

PROPOSED LEGISLATION

DATE: December 11, 2018

TO: Radnor Township Board of Commissioners

FROM: Stephen F. Norcini, P.E., Township Engineer *AJN*

CC: Robert A. Zienkowski, Township Manager
William M. White, Assistant Township Manager/Finance Director

LEGISLATION: Resolution #2018-146: Authorizing Meliora Design to Provide Topographical Survey for Gulph Creek and Associated Areas in Conjunction with the North Wayne Flood Reduction Project, in the Amount of \$80,000.

LEGISLATIVE HISTORY: The Board of Commissioners passed Resolution #2018-67, awarding Meliora Design, LLC, the Contract for Flood Reduction Options in North Wayne and the Poplar Bypass. The proposal currently before the Commissioners is to provide additional services ancillary to that contract.

PURPOSE AND EXPLANATION: As noted above, the contract for flood reduction options in the North Wayne area was awarded to Meliora Design. That contract was for a “1,000 foot” view of possible options for the area. To take the next step and have information to begin design and further refine flood plain restoration and other options for flood reduction, survey data is needed. The proposal at hand is for Meliora to provide survey services to include, but not limited to:

- +/- 1.24 miles of stream survey
 - Stream cross sections
 - 50’ width
- Locate culverts, cross pipes
- Trees > 6” diameter
- Existing features within a 100’ swath
- FEMA Elevation Datum
- FFE for all buildings on each property that the creek crosses through
- Property boundary surveys and property information

The survey data will also include needed information on Township owned parcels. The work will be performed by a subconsultant, Control Point Associates, Incorporated. It should be noted that this process, as well as the flood reduction contract, will be running concurrently. In the future, once designs are completed, an additional proposal will be required to stake out what is being proposed and provide easement descriptions.

IMPLEMENTATION SCHEDULE: Pending Board of Commissioners approval, a purchase order will be processed. Once the purchase order is approved, a Notice to Proceed will be issued to Meliora Design, and work will begin as soon as possible.

FISCAL IMPACT: The cost of this work is \$80,000, will be funded by the 04 Stormwater Fund.

RECOMMENDED ACTION: *Staff respectfully requests that the Board of Commissioners Authorize Meliora Design to Provide Topographical Survey for Gulph Creek and Associated Areas in Conjunction with the North Wayne Flood Reduction Project, in the Amount of \$80,000.*

1