

BOARD OF COMMISSIONERS

UPDATED AGENDA

Monday, November 25, 2019 - 6:30 PM

Pledge of Allegiance

Notice of Executive Session preceding the Board of Commissioners meeting of November 25, 2019

1. Consent Agenda

- a) Disbursement Review & Approval
- b) Approval of minutes of the Board of Commissioner meeting of November 11, 2019
- c) Acceptance of Department Monthly Reports
- d) Staff Traffic Committee Meeting Minutes – October 16, 2019
- e) Resolution #2019-124 - Authorizing the Township to enter into agreement with the Pennsylvania Recreation & Parks Society for 2020 Seasonal Discount Ticket Program
- f) Resolution #2019-123 - Authorizing the Township to enter into agreement with World Cup Sports Academy for 2020 Seasonal Programming
- g) Resolution #2019-122 - Authorizing the Township to enter into agreement with Jump Start Sports, LLC for 2020 Seasonal Programming
- h) Resolution #2019-121 - Authorizing the Township to enter into agreement with Soccer Shots, LLC for 2020 Seasonal Soccer Programming
- i) Resolution #2019-120 - Authorizing the Township to enter into agreement with David Broida for 2020 Seasonal Tennis Programming

2. Proclamation to Help Hope Live

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

4. Committee Reports

- A. Ordinance #2019-15 – **(Introduction)** Amending the Township Zoning Ordinance to Allow Townhouse Developments in Certain Areas of the C-3 Service Commercial District and to Provide Regulations Therefore **Ordinance added to the packet**
- B. Resolution #2019-119 - Authorizing the Township Manager to execute all documents on behalf of Radnor Township related to the Pennsylvania Department of Transportation, Multimodal Transportation Fund to provide a \$3,000,000 grant for the Darby Paoli Multi Use Trail
- ~~C. Radnor TAP Trail – Discussion and Direction on West Wayne Avenue~~
- D. 501 Shadeland Road – Waiver of §245-22.A(2)(c)[2] of the Stormwater Management Ordinance
- E. 100 Harvard Lane (Lot 48) – Waiver of §245-22.A(2)(c)[2] of the Stormwater Management Ordinance.
- F. 816 Galer Drive – Waiver of §245-22.A(2)(c)[2] of the Stormwater Management Ordinance.
- G. Resolution #2019-126 - 415 Maplewood Drive – Approval of Planning Module
- H. Resolution #2019-111 - Authorizing Distribution of Funds From the Stormwater Fund
(Requested by Commissioner Larkin)
- I. Ordinance #2019-12 – **(Introduction)** Adoption of the Final 2020 Comprehensive Budget by setting the Township Real Estate Tax Millage Rate and adopting appropriations for 2020
- J. Ordinance #2019-13 – **(Introduction)** Adoption of the 2020 Sanitary Sewer Rate
- K. Ordinance #2019-14 – **(Introduction)** Adoption of the Consolidated Fee Schedule for the Township, Effective January 1, 2020

5. Reports of Standing Committees of the Board

6. New Business

7. Old Business

8. Public Participation

9. Adjournment

RADNOR TOWNSHIP
DISBURSEMENTS SUMMARY
November 29, 2019

The table below summarizes the amount of disbursements made since the last public meeting held on November 11, 2019. 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. Also, please visit the [Open Finance](#) program to view the Township's [Checkbook](#), where all vendor payments are available.

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

Fund (Fund Number)	2019-11B November 8, 2019	2019-11C November 15, 2019	Total
General Fund (01)	\$179,702.52	\$65,994.49	\$245,697.01
Sewer Fund (02)	3,260.99	3,157.19	6,418.18
Storm Sewer Management (04)	900.00	0.00	900.00
Capital Improvement Fund (05)	178,184.98	103,135.99	281,320.97
Police Pension Fund (07)	0.00	5,566.85	5,566.85
OPEB Fund (08)	15,876.24	952.64	16,828.88
Civilian Pension Fund (11)	200.00	4,963.80	5,163.80
Investigation Fund (12)	135.54	0.00	135.54
\$8 Million Settlement Fund (18)	0.00	330.99	330.99
The Willows Fund (23)	53.69	0.00	53.69
Park & Trail Improvement Fund (501)	127,739.13	0.00	127,739.13
GOB19 Project Fund (502)	856.50	31,859.64	32,716.14
Total Accounts Payable Disbursements	\$506,909.59	\$215,961.59	\$722,871.18
<i>Electronic Disbursements</i>	n/a	n/a	\$1,267,089.39
Grand Total	\$506,909.59	\$215,961.59	\$1,989,960.57

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 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 daily 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 December 9, 2019

Description	Account No.	Date	Purpose	Amount
Credit Card Revenue Fees - Actual	01-Various	Various	10/19 Credit Card Revenue Processing Fees	\$6,589.39
Payroll [Pension] Transaction - Estimated	07-492-4980	12/1/2019	12/19 Police Pension Payments	\$240,000.00
Payroll [Pension] Transaction - Estimated	11-495-4980	12/1/2019	12/19 Civilian Pension Payments	\$165,000.00
Payroll [Bi-Weekly] Transaction - Estimated	01-various	11/28/2019	Salaries and Payroll Taxes - General Fund	\$485,000.00
Payroll [Bi-Weekly] Transaction - Estimated	02-various	11/28/2019	Salaries and Payroll Taxes - Sewer Fund	\$17,500.00
Payroll [CBA Special] Transaction - Estimated	01-various	12/1/2019	Longevity - General Fund	\$183,000.00
Payroll [CBA Special] Transaction - Estimated	02-various	12/1/2019	Longevity - Sewer Fund	\$170,000.00
Period Total				\$1,267,089.39

Original Estimate

\$500,000.00	11/14/2019	Salaries and Payroll Taxes - General Fund
\$17,500.00	11/14/2019	Salaries and Payroll Taxes - Sewer Fund
\$517,500.00		

Actual Amount

\$474,163.85
\$12,769.91
\$486,933.76

TOWNSHIP OF RADNOR
Minutes of the Meeting of November 11, 2019

The Radnor Township Board of Commissioners met at approximately 6:30 PM in the Radnorshire Room in the Radnor Township Municipal Building, 301 Iven Avenue, Wayne, PA 19087

Commissioners Present

Lisa Borowski, President
 Sean Farhy

Jack Larkin, Vice-President
 Richard Booker

Luke Clark
 Jake Abel

John Nagle

Staff Present: Robert A. Zienkowski, Township Manager/Township Secretary; William White, Assistant Township Manager/ Finance Director; Christopher B. Flanagan, Superintendent of Police; Stephen Norcini, Township Engineer; Tammy Cohen, Director of Recreation and Community Programming; Molly Gallagher, Public Information Officer; Kathryn Gartland, Township Treasurer; John Rice, Township Solicitor; Steve Norcini, Township Engineer and Jennifer DeStefano, Executive Assistant to the Township Manager.

Presentation of the Colors

President Borowski called the meeting to order and led the assembly in the Pledge of Allegiance

Notice of Executive Session on preceding the Board of Commissioners meeting of
 November 11, 2019

There was an Executive Session on November 11, 2019 preceding the Board of Commissioners meeting, where matters of personnel and real estate were discussed. All Commissioners were in attendance with the exception of Commissioner Clark.

1. Consent Agenda

a) Disbursement Review & Approval

b) Approval of minutes of the Board of Commissioner meeting of October 21, 2019

c) Approval of HARB Certificate of Appropriateness

- ~~HARB 2019-17- 309 S. Wayne Avenue – Partially demo existing garage; re-build converting the existing 1 ½ car garage into a 3-car garage with storage space above.~~

- HARB-2019-18- New 1 car single story detached garage with stucco exterior walls and asphalt shingle roof to match the existing twin house.

d) Resolution #2019-112 - Declaring Its Support For Small Business Saturday In Radnor Township

e) Motion to Authorize the Approval of Addendum to The Delaware Valley Health Trust Agreement

f) Motion Authorizing Free Parking for the WBA in Downtown Wayne on Saturday after Thanksgiving and Saturday's in December

g) Resolution #2019-113 – Authorizing Higgins Electric to replace the Vehicle Detection Monitors at the Lancaster Avenue/Eagle Road/Conestoga Road Intersection, in the Amount of \$10,557

Commissioner Larkin made a motion to approve, seconded by Commissioner Clark. Motion passed 7-0.

There was a video shown in honor of Veterans Day

2. Resolution #2019-114 – Recognizing the Establishment of Veterans Day 100 Years Ago

Commissioner Larkin made motion to approved, seconded by Commissioner Farhy. Motion passed 7-0.

3. Resolution #2019-115 – Renaming Veteran's Park to Veterans & First Responders Park

Commissioner Farhy made a motion to approve, seconded by Commissioner Nagle.

There was a brief discussion amongst the Commissioners thanking the Veterans as well as some opposition to the renaming.

Commissioner Abel made a motion to table the resolution, seconded by Commissioner Booker. Motion failed 2-5 with Commissioners Farhy, Clark, Borowski, Larkin and Nagle opposed.

Public Comment

Marty Costello – He spoke in support of the above resolution.

Commissioner Borowski called the vote on the original motion, motion passed 6-1 with Commissioner Booker opposed.

4. Presentation to the Board of Commissioners – Veterans & First Responders Park

Penn Medicine presented to Radnor Township \$250,000 for improvements at Veterans & First Responders Park. Senator Leach office presented \$25,000 to Radnor Township for improvements at Veterans & First Responders Park.

Retiring of the Colors

5. WBA Presentation

Chris Todd made a brief presentation commenting that to date we have spent \$2500 on the WBOD Economic Impact Study. Total cost was \$9,500 in which the WBA paid \$4,500, Radnor Township paid \$2,500 and Revenue Parking paid \$2,500.

The account has grown to \$54,208,21. We have started to think about what we can use the money for. We are considering replacement of the pine tree that is used for the Wayne Tree lighting. It's in pretty bad shape. We have a sponsor to remove the tree. Cost of new pine tree (25-footer) and planting would be in the \$20K range.

Also, in consideration: 1- refurbishment of the historic "Louella" marker, and the pole sign in front of the Gryphon Coffee shop. 2- cigarette disposal containers that would be placed strategically around town (with owner's permission). Lots of other ideas keep coming in. We are making sure it spent on something that will improve the WBOD.

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

Marty Costello – He briefly presented the next few Hometown Hero Banners that will be displayed in Radnor Township.

Mary Coe, S. Aberdeen Avenue – She gave a brief overview of the past year at Skunk Hollow Garden.

Students from Radnor High School – They spoke requesting for the Township to hire an Energy Planner.

Ruth Mooney, Lancaster Avenue – She spoke in support of the Ready100 initiative.

7. Committee Reports

A. 501 Shadeland Road – Waiver of §245-22.A(2)(c)[2] of the Stormwater Management Ordinance

Commissioner Booker made a motion to table until the applicant can attend, seconded by Commissioner Abel. Motion passed 6-0 with Commissioner Nagle abstaining.

B. 2020 Budget Discussion and Direction

Mr. Zienkowski and Mr. White made a brief presentation regarding the 2020 Budget. There was a discussion amongst the Commissioners. The presentation and video of presentation can be found on the township website at: <https://www.radnor.com/1159/2020-Comprehensive-Budget>

C. Radnor TAP Trail – Presentation & Discussion

Peter Simone made a brief presentation which can be found on page 46 of the meeting packet which can be found at: https://www.radnor.com/AgendaCenter/ViewFile/Agenda/_11112019-1832.

D. Resolution #2019-118 – Authorizing Payment of Change Order #9, to Simone Collins Landscape Architecture, in the Amount of \$40,000

Commissioner Clark made a motion to approve, seconded by Commissioner Larkin.

Public Comment

Kathy Wright, Lenoir Avenue – She commented regarding her concerns to the impact the trail will have on Lenoir Avenue.

Tim Hallman, Lenoir Avenue – He commented regarding his concerns to the impact the trail will have on Lenoir Avenue.

Commissioner Borowski called the vote, motion passed 6-1 with Commissioner Abel opposed.

E. Resolution #2019-111 - Authorizing Distribution of Funds From the Stormwater Fund (Requested by Commissioner Larkin)

Commissioner Larkin made a motion to table, seconded by Commissioner Farhy. Motion passed 6-0 with Commissioner Abel out of the room.

F. Ordinance 2019-10 - Medical Office Parking (Adoption) - Amending Chapter 280 of the Radnor Township Code, Zoning Ordinance, by amending regulations to provide minimum standards for off street parking for General, Processional, and Medical Office Uses

Mr. Rice, Township Solicitor briefly discussed the above proposed ordinance for adoption.

Commissioner Booker made a motion to approve, seconded by Commissioner Farhy. Motion passed 4-3 with Commissioners Borowski, Larkin and Nagle opposed.

8. Reports of Standing Committees of the Board

None

9. New Business

Commissioner Booker commented regarding the need for a proper vote on receiving a donation from Penn Medicine.

10. Old Business

None

11. Public Participation

Sara Pilling, Green Team Advisor – She spoke regarding the need to hire an energy planner for Ready100.

Claire Girton, Lenoir Avenue – She spoke about the donation from Penn Medicine as well as discussed, her support for the TAP trails.

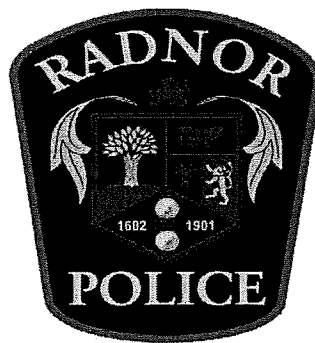
There being no further business, the meeting adjourned on a motion duly made and seconded.

*Respectfully submitted,
Jennifer DeStefano*

DRAFT

RADNOR TOWNSHIP POLICE DEPARTMENT

Monthly Report



November 2019

**Christopher B. Flanagan
Police Superintendent**

Calls for Service - by Keyword**RADNOR TOWNSHIP****Incidents Reported Between 10/01/2019 and 10/31/2019**

Code	Description	Primary Count	Secondary UCR Count		
			Code 2	Code 3	Code 4
1465	INSTITUTIONAL VANDALISM	0	1		
3501	DISTURBANCE-COMPLAINT OF NOISE,MUSIC,ETC	12			
3520	DOMESTIC PROBLEM (NO ARREST)	15			
3650	PECO-ENEGY NOTIFICATION/POWER OUTAGES	1	1	1	
4000	JUVENILE PROBLEMS (NO ARREST)	6			
4200	MISSING PERSONS(EXCEPT JUVENILES)	1			
4301	MENTAL HEALTH-ALL OTHERS	5			
4500	OPEN DOORS/WINDOWS	1	1		
4600	ORDINANCE VIOL.-EXCEPT BURNING/SOLICIT	3	1		
4650	POLICE INFORMATION	72			
4655	CID/DTF INVESTIGATION	1			
4660	911 HANG UP CALL	42	1		
4700	ADDED PATROL-REQUEST FOR	57	4		
4701	ADDED PATROL - BUSINESS CHECKS	101			
4702	ADDED PATROL - SCHOOL CHECKS	50			
4801	SOLICITING-COMPLAINTS	2			
4900	SUSPICIOUS PERSON	17			
4901	SUSPICIOUS CIRCUMSTANCE	34			
4902	SUSPICIOUS VEHICLES	21			
5300	TREES DOWN AND/OR BLOCKING ROADWAY,ETC	3	1		
5400	VEHICLES-ABANDONED	1			
5401	VEHICLES-ASSIST MOTORIST(INCL LOCKOUTS)	13			
5402	VEHICLES-DISABLED	21			
5403	VEHICLES-MV VIOLATIONS & MVV COMPLAINTS	31	2		
5404	VEHICLES-PARKING COMPLAINTS	12			
5405	VEHICLES-TOWED	17	2		
5501	WIRES DOWN - NO HAZARD	5			
5600	WARRANT-ARREST (ISSUED OUTSIDE RADNOR)	2			
6001	ACCIDENT - WITH INJURIES	4			
6003	ACCIDENT - NON REPORTABLE	62	1		
6005	ACCIDENT - NO REPORT DONE	4			
6007	ACCIDENT - BRIDGE STRIKE	1			
8000	BURG/HOLDUP/PANIC ALARM - CIT ISSUED	1			
8001	BURG/HOLDUP/PANIC ALARM - NO CITATION	87			
8002	FIRE/MEDICAL ALARM - CITATION ISSUED	2			
8003	FIRE/MEDICAL ALARM - NO CITATION	37			
8004	ANY ALARM- SEVERE WEATHER- NO CITATION	6			
9001	ANIMALS-RABID/SICK	1			
9003	ANIMALS-BITES	1			
9005	ANIMALS - ALL INVOLVING DEER	6	2		
9038	K-9 ASSIST	3	1		
9050	ASSIST SICK/INJURED	102	1		
9051	ASSIST AMBULANCE	4			
9966	SELECTIVE ENFORCEMENT-CITATION ISSUED	123			
9968	SELECTIVE ENFORCEMENT-WARNING ISSUED	61			
9970	SELECTIVE ENFORCEMENT-NO ISSUANCE	67			
9972	MOTOR OFFICER ACTIVITY	0	2		
		1,118			

ACCIDENT

3200	CHECK ON WELFARE	10	1		
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Calls for Service - by Keyword

RADNOR TOWNSHIP

Incidents Reported Between 10/01/2019 and 10/31/2019



Code	Description	Primary Count	Secondary UCR Count		
			Code 2	Code 3	Code 4
ADMIN					
9000	ANIMALS - DOG COMPLAINTS	1			
9002	ANIMALS - ALL OTHER	1			
9055	ASSIST SICK/INJURED ALCOHOL/DRUG RELATED	3			
		5			
ALL ORDINA					
2830	TWP ORD-ALL OTHER	1			
ALL OTHER					
2640	ALL OTHER ORDINANCE VIOLATIONS	3			
2656	ALL OTHER - THREATS (KILL,BOMB,PHONE,ETC	1			
2660	TRESPASSING OF REAL PROPERTY	1			
		5			
ANIMAL					
5502	ANIMAL COMPLAINTS - BARKING DOGS	4			
5504	ANIMAL COMPLAINTS - DOG BITES	1			
5506	ANIMAL COMPLAINTS - STRAY ANIMALS	5			
5510	ANIMAL COMPLAINTS - OTHER	6			
5590	ANIMAL COMPLAINTS - REPORTS	4			
9007	ANIMALS-CAT COMPLAINTS	1			
		21			
ASSAULT					
0411	ASSAULT-KNIFE OR CUTTING INSTRUMENT	2			
0430	ASSAULT-OTHER DANGEROUS WEAPON	0	1		
0490	ASSAULT - REPORTS	1			
0800	ASSAULTS - OTHER ASSAULTS (SIMPLE)	1			
0890	ASSAULTS - (SIMPLE) REPORTS	1			
		5			
ASSIST					
7502	ASSIST OTHER AGENCIES - FIRE DEPT.	10			
BICYCLES					
5005	FOUND BICYCLES	1			
BURGLARY					
0512	BURGLARY-FORCED ENTRY-RESIDENCE-DAY	2			
0590	BURGLARY - REPORTS	1			
		3			
CIVIL					
3300	CIVIL DISPUTES	16	1		
COMPLAINT					
8590	CITIZEN COMPLAINT REPORT	3			
CONTACT					
4016	NON-CRIMINAL - PEDESTRIAN CONTACTS	1			

Calls for Service - by Keyword**RADNOR TOWNSHIP****Incidents Reported Between 10/01/2019 and 10/31/2019**

Code	Description	Primary Count	Secondary UCR Count		
			Code 2	Code 3	Code 4
CRIM MISCH					
1410	CRIMINAL MISCHIEF TO AUTOMOBILES	2			
1440	CRIMINAL MISCHIEF - ALL OTHER	1			
		3			
DISORDERLY					
2400	DISORDERLY CONDUCT	3			1
2410	HARASSMENT BY COMMUNICATION	4			
2450	HARASSMENT	6	1		
2490	DISORDERLY CONDUCT-REPORTS	2			
		15			
DISTURBANC					
3610	DISTURBANCES-JUVENILE	5			
3620	DISTURBANCES-OTHER (FIGHTS,DISPUTES,ETC)	4			
		9			
DRUG					
1831	NARCOTICS-POSSESSION-MORPHINE,HEROIN,ETC	1			
1832	NARCOTICS-POSSESSION-MARIJUANA,ETC.	4		2	
1834	NARCOTICS-POSSESSION-OTHER DANGEROUS	3	1		
1890	NARCOTICS - REPORTS	4			
		12			
DUI					
2110	DRIVING UNDER THE INFLUENCE-LIQUOR/DRUGS	1			
2111	DRIVING UNDER THE INFLUENCE - ALCOHOL	1			
2112	DRIVE UNDER INFLUENCE-ALCOHOL-IMPAIRED	1			
		3			
FIRE					
3700	FIRE - RESIDENTIAL	1			
3703	FIRE-ALL OTHERS	2		1	
3704	FIRE-BURNING ORDINANCE VIOLATION	0		1	
3840	FIRES (INCLUDING ALARMS-FOUNDED/UNFOUND)	6			
		9			
FRAUD					
1100	FRAUD	4			
1130	FRAUD - ALL OTHERS (FLIM-FLAM, ETC.)	2			
1150	FRAUD - CREDIT CARDS	2			
1191	FRAUD - REPORTS	9			
		17			
HAVERFORD					
9041	ASSIST HAVERFORD PD	4			
IOD					
4400	OFFICER INJURED ON DUTY	2			
LIQUOR					
2211	LIQUOR LAW-UNDERAGE-PURCH,CONSMP,POSSES	4			
LMPD					

Calls for Service - by Keyword**RADNOR TOWNSHIP****Incidents Reported Between 10/01/2019 and 10/31/2019**

Code	Description	Primary Count	Secondary UCR Count		
			Code 2	Code 3	Code 4
LMPD					
9040	ASSIST LOWER MERION PD	5	1		
LOST/FOUND					
5002	LOST & FOUND - FOUND ANIMAL	2			
5004	LOST & FOUND - FOUND ARTICLES	3			
5008	LOST & FOUND - LOST ARTICLES	4			
		9			
MISSING PE					
2900	JUVENILE RUNAWAYS	2			
MV ACCIDEN					
6002	ACCIDENT - NO INJURIES (REPORTABLE)	14			
6004	ACCIDENT - HIT & RUN	14			
6006	ACCIDENT - PEDESTRIAN	2			
		30			
N-TRAF CIT					
CITN	NON-TRAFFIC CITATION	273			
NEWTOWN					
9043	ASSIST NEWTOWN PD	3	1		
OTHER					
4018	NON-CRIMINAL-ST. LIGHT OUT, ST. REPAIRS.	4			
PFA					
2647	ALL OTHERS - PROTECTIVE ORDERS	1	1		
PROPERTY					
2910	LOST/MISSING PROPERTY	2			
PROSTITUTI					
1610	PROSTITUTION	1			
PSP					
9047	ASSIST PSP	1			
PUBL DRUNK					
2300	PUBLIC DRUNKENESS	3			
RECOV PROP					
3000	LOST/RECOVERED PROPERTY	1			
ROBBERY					
0300	ROBBERY	1			

Calls for Service - by Keyword**RADNOR TOWNSHIP****Incidents Reported Between 10/01/2019 and 10/31/2019**

Code	Description	Primary Count	Secondary UCR Count		
			Code 2	Code 3	Code 4
SERVICE					
7002	NOTIFICATION - COMMUNITY DEVELOPMENT	2	1		
7006	NOTIFICATION - HIGHWAY DEPT.	1	2		
7008	NOTIFICATION - SEWER DEPT.	2			
7014	PUBLIC SERVICE - OTHERS (OFFICER ASSIST)	7			
7090	PUBLIC SERVICES - REPORTS	3			
8521	DEPT SERVICES - SCHOOL SEC & EMG PREP	1			
		16			
SUICIDE					
4300	MENTAL HEALTH-EMERG.302/SUICIDE ATTEMPTS	2			
SUSPICIOUS					
3500	DISTURBANCE - DISORDERLY PERSONS	6			
SVC CALL					
3810	SERVICE CALL-ALARMS-UNFOUNDED-EXCPT FIRE	2			
3820	SERVICE CALL-ASSIST MOTORIST/DISABLE VEH	1			
3850	HAZARDOUS CONDITIONS	17	2		
3880	OPEN DOORS/WINDOWS - DISCOVERED	6			
3900	GAS LEAKS (NATURAL GAS)	9			
		35			
THEFT					
0611	THEFT-\$200 & OVER-POCKET PICKING	1			
0613	THEFT-\$200 & OVER-RETAIL THEFT	1			
0614	THEFT-\$200 & OVER-FROM AUTO (EXCPT 0615)	4			
0617	THEFT-\$200 & OVER-FROM BUILDINGS	2			
0624	THEFT-\$50 TO \$200-FROM AUTO (EXCPT 0625)	2			
0627	THEFT-\$50 TO \$200-FROM BUILDINGS	2			
0629	THEFT-\$50 TO \$200-ALL OTHER	1			
0634	THEFT-UNDER \$50-FROM AUTO (EXCEPT 0635)	1			
0639	THEFT-UNDER \$50-ALL OTHER	2			
0649	THEFT-ATTEMPTED-ALL OTHER	1			
0690	THEFT - REPORTS	2			
		19			
TRAF CIT					
CITT	TRAFFIC CITATION	56			
TRAFFIC					
6606	TRAFFIC RELATED - DIRECT TRAFFIC	19			
6610	TRAFFIC RELATED - MOTORIST AID	1			
6612	TRAFFIC RELATED - SIGNALS-SIGNS OUT	7			
6614	TRAFFIC RELATED - OTHER TRAFFIC	1			
6690	TRAFFIC RELATED SERVICES - REPORTS	1			
		29			
TREDYFFRIN					
9045	ASSIST TREDYFFRIN PD	1			

November 01, 2019

Calls for Service - by Keyword

RADNOR TOWNSHIP

Incidents Reported Between 10/01/2019 and 10/31/2019



Code	Description	Primary Count	Secondary UCR Count		
			Code 2	Code 3	Code 4
UPPER MERI					
9046	ASSIST UPPER MERION PD	1			
VILLANOVA					
4651	REFERRED TO VILLANOVA PD	12		1	
VUPD					
9049	ASSIST VUPD	9			
YOUTH					
8523	YOUTH AID PANEL REFERRAL	0		1	
Total Calls		1,799			

October
Crime Alerts

Sometime between Thursday, 9/26/2019 and Monday 9/30/2019 a construction trailer parked in the rear of 795 E. Lancaster Av. was illegally entered. The trailer had a lock cut off and various items were stolen. If anyone may have seen anything or was the victim of a similar crime, they are asked to call the Radnor Police at 911.

Sometime between Friday 9/27/2019 and Monday 9/30/2019 a person or persons did spray paint a specific "tag" throughout the N. Wayne area. The word "CHARM" and a circled "V" was sprayed on the Eagle Rd. Bridge, in Fenimore Park, and on Poplar Av. If anyone may have seen anything or was the victim of a similar crime, they are asked to call the Radnor Police at 911.

The Radnor Police are continuing to actively investigating an incident involving a suspicious male observed at Odorisio Park on Sunday 09-29-2019 at approximately 10:00 am. Working with other police departments in the area, no new information has been developed, however Radnor Police remain vigilant in protecting its residents.

On Monday, 10/7/2019, between 6 PM and 8 PM several vehicles were broken into while parked at 503 W. Lancaster Av. All of the vehicles had a window broken and items removed from inside of the car. If anyone may have seen anything at this time or was the victim of a similar crime, they are asked to call the Radnor Police at 911.

A resident from Highfield La. received a phone call from a male stating he was from the "Wayne Police" and that the resident was the victim of ID theft in California. The phone call came from a Radnor Township Police phone number (610-688-0503) and the caller was attempting to get personal information from the resident. If anyone else received a phone call of this nature they are asked to call the Radnor Police at 911.

The Radnor Township Police Department has issued a crime alert in regards to a late reported robbery. Radnor PD received a report of a gunpoint robbery that occurred on 10/3/19 around 12 AM in the vicinity of the property line separating Cabrini College and the Valley Forge Military Academy. During the course of the robbery the victim reported being struck with a firearm by two actors. The robbery was reported to the Radnor Police on 10/8/2019. Both actors involved in the above incident are currently in police custody and there is no threat to public safety. Please call 9-1-1 IMMEDIATELY with any information about this incident or when reporting any suspicious activities.

The Radnor Police are investigating a burglary which occurred at the Sheldrake Arms Apartments, 517 E Lancaster Ave at approximately 1250 PM on 10/09/2019. A witness reported seeing two black males walking on the second floor of the complex. These males were observed attempting to pry a door and shoulder it open. Actor #1 was described as a short black male in his 50's wearing a green arm type jacket. Actor #2 was described as a taller black male in his 30's wearing a blue hooded sweatshirt. When they saw the witness they fled to the parking lot where they got into an older model green Ford Ranger and fled westbound on E Lancaster Ave. It was later determined that the actors did gain entry into the apartment where they took numerous items of jewelry and electronics. Anyone with additional information is asked to contact Radnor Detectives at 610-688-0503 or detectives@radnor.org.

Sometime between 11 PM on Tuesday 10/8/2019 and 8 AM Wednesday 10/9/2019, several vehicles were entered on Williams Rd. The vehicles were parked on Williams Road and had various items stolen from inside of them. If anyone may have seen anything at this time or was the victim of a similar type crime, they are asked to call the Radnor Police at 911.

Sometime between 11 PM on Tuesday 10/8/2019 and 8 AM Wednesday 10/9/2019, a vehicle was entered on Bailey Rd. While the inside of the car had clearly been gone through, nothing has been reported stolen at this time. If anyone may have seen anything or was the victim of a similar crime, they are asked to call the Radnor Police at 911.

On Wednesday, 10/9/2019, at approximately 2:30 AM several packages were stolen from the mailroom of Building "B." Security footage shows two white males meeting outside of the building. One male then enters the building and is seen several moments later exiting and carrying several packages. The two males are then seen entering a blue SUV with black wheels and a black covered spare tire on the back and leaving the area. If anyone may have seen anything at this time they are asked to call the Radnor Police at 911.

A burglary of an apartment at the Sheldrake Arms Apartments occurred Wednesday, 10/9/2019, at approximately 1 PM. The witness advises that while on the second floor of the apartment building he did observe two black males attempting to force open a door to an apartment. The witness then confronted the males and they fled on foot. As the witness continued to follow the males they were observed entering a green Ford pickup truck, possibly a Ford Ranger, and exit the parking lot at a high rate of speed. Upon Police arrival it was discovered that at least two apartment units were forcibly entered and a side door to the apartment complex was also forced open. If anyone may have seen anything at this time or was the victim of a similar crime, they are asked to call the Radnor Police at 911.

Sometime overnight between Tuesday 10/8/2019 and Wednesday 10/9/2019 a vehicle was entered on Summit Terrace. The vehicle was parked and left unlocked when someone entered the car stole several items from inside. If anyone may have seen anything at this time or was the victim of a similar crime, they are asked to call the Radnor Police 911.

The Radnor Police are investigating daytime residential burglary which occurred at the Wayne House Apartments 100 Windermere Av sometime between 8 AM and 5 PM on 10/09/2019. The resident returned home to find the interior front door to the apartment forced open. It appears as though the actor used a pry bar to gain entry as there was heavy damage to the door. Once inside, the apartment was ransacked and numerous pieces of jewelry were stolen. If anyone has additional information they are asked to contact Radnor Detectives at 610-688-0503 or detectives@radnor.org.

On Wednesday, 10/9/2019, between 8 AM and 5 PM, a unit of the Wayne House Apartments was burglarized. The resident reports returning home at approximately 5 PM and discovering the door to the apartment forced open. Upon entering the residence, the victim determined the apartment had been ransacked that several items had been stolen. If anyone may have seen anything at this time or was the victim of a similar type crime, they are asked to call the Radnor Police at 911.

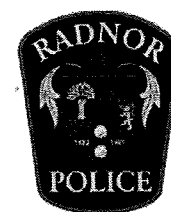
A resident of Greythorne Woods Circle reports a package stolen from the front of his home. The resident reports a package from Amazon was delivered to his home at approximately 12:57 PM but when he returned home to retrieve the package it was gone. If anyone may have seen anything or was the victim of a similar crime, they are asked to call the Radnor Police at 911.

On Tuesday, 10/15/2019, a resident of Saint Davids Av. reported they had a package stolen from the front of their residence. The resident was advised by "Amazon" that a package was delivered to the front of the residence on 10/11/2019 at 12:30 PM but when the resident went to retrieve the package it was gone. If anyone may have seen anything or was the victim of a similar crime, they are asked to call the Radnor Police at 911.

On Tuesday, 10/15/2019, management at the liquor store, reports a retail theft that occurred over the previous weekend. While reviewing video security footage, two black males were observed removing several bottles of liquor and leaving the store without paying for them. If anyone may have seen anything in relation to this crime, they are asked to call the Radnor Police at 911.

On Saturday, 10/19/2019, a resident observed two white males in the rear of their property. The resident explained she observed the two males open her garage and look like they were going to enter it. When the resident confronted them, the two males fled the area on foot. If anyone may have seen anything or was the victim of a similar crime, they are asked to call the Radnor Police at 911.

The Radnor Police respects citizens' privacy, civil rights, and civil liberties by emphasizing behavior, rather than appearance, in identifying suspicious activity. Factors such as race, ethnicity, and/or religious affiliation are not suspicious. The public should only report suspicious behavior and situations (e.g., an unattended backpack or package, or someone breaking into a vehicle or restricted area). Moreover, any physical descriptions are based on victim and witness statements provided to the Radnor Police at the time the incident was reported or developed through investigation.



OCTOBER

<u>Description</u>	<u>Primary Count</u>
--------------------	----------------------

Parking Tickets

Month of October 2019	794
January 1, 2019 – October 31, 2019	7,508

Residential and Commercial False Alarm Violations

Month of October 2019	78
January 1, 2019 – October 31, 2019	888

Moving Violations

Month of October 2019	712
January 1, 2019 – October 31, 2019	7,805

Radnor Police Training – October 2019

Control Tactics Instructor Re-Certification: Officer Ray Rodden

Rifle Instructor Certification: Sgt. Chris Gluck & Officer Brett Greaves

Social Media Investigations: Officer Brady McHale

Event Policing: Chief Chris Flanagan, Sgt. Chris Gluck, Officer Brett Greaves, Officer Nick Laffredo, and Det. James Metzler

North American Black Law Enforcement Officers Conference: Officer Earvin Faust

RADNOR TOWNSHIP POLICE DEPARTMENT
THANK YOU LETTERS

You most likely don't know us, or the people you serve and protect on a daily basis. For that, we wanted to send out a simple heartfelt thank you.

Thank you for putting on that uniform every day, thank you for risking your lives to ensure security, and thank you for doing all of this, even when others are ungrateful.

Thank you,
The Team at Hard Head Veterans



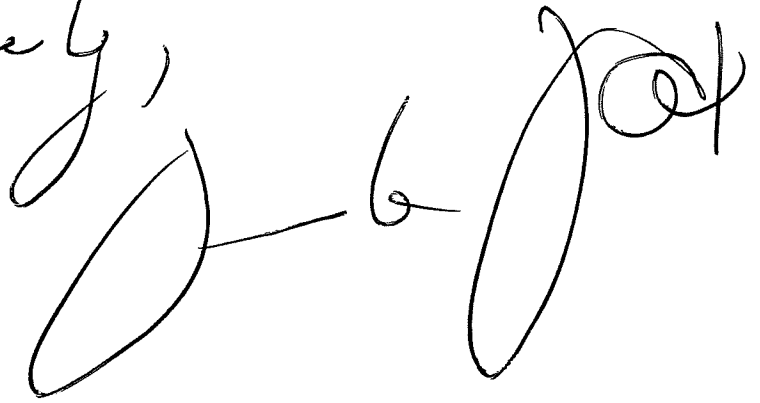
EST. 1967

ARCHBISHOP JOHN
CARROLL
HIGH SCHOOL

OFFICE OF THE PRESIDENT

Professionalism And Compassion
for our community is
so greatly appreciated

Sincerely,

A handwritten signature in cursive script, appearing to read "Dan Chris". The signature is fluid and stylized, with a large loop at the end.

Dan Chris,

A heartfelt thank you
to you and your entire
team at Radnor P.D.
Your Reaction Time,

Good morning!

This resident "thank you" belongs to everyone who helped make the installation of the stop signs at Saw Mill and Earle's Lane possible. Thank you from the 4th Ward Commissioner, as well!

Please share with anyone I might have missed. Happy Monday!
Lisa

Lisa A. Borowski

Commissioner, 4th Ward - Radnor Township
610.547.7537 (c)
lborrowski@radnor.org
<https://www.radnor.com/>

Begin forwarded message:

From: Stacy Calabretta <stacy.calabretta@gmail.com>
Date: November 3, 2019 at 2:44:30 PM EST
To: Lisa Borowski <lborrowski@radnor.org>
Subject: Re: October 26, 2019 - Ward 4 Newsletter

Lisa,

I've been meaning to reach out to thank you and the township for the new stop signs at Saw Mill and Earles Ln! We cross there everyday with the dogs and our toddler, and we've noticed a huge improvement to the traffic flow and speeds.

Thanks for making this happen. Have a great Sunday!

Stacy

Hi Bob & Chris,

When you have a minute, please share my sincere thanks and gratitude to all staff who have been working overtime and through the night to clean up and ensure safety in the wake of last night's horrible storm. I know our police and public works have been out dealing with difficult road and property situations, and that our codes officials have been doing all they can to assist residents who have been negatively impacted. I am very grateful. I am also grateful for you both and your leadership.

I hope all our staff and their families came through the storms safe and well.

Thank goodness it is Friday!

Many, many thanks,
Lisa

17TH DISTRICT
DAYLIN LEACH

□ SENATE BOX 203017
THE STATE CAPITOL
HARRISBURG, PA 17120-3017
717-787-5544
FAX: 717-705-7741

□ DISTRICT OFFICE
601 SOUTH HENDERSON ROAD
SUITE 208
KING OF PRUSSIA, PA 19406
610-768-4200
FAX: 610-768-4204



Senate of Pennsylvania

COMMITTEES

JUDICIARY, MINORITY CHAIR
APPROPRIATIONS
EDUCATION
ENVIRONMENTAL RESOURCES & ENERGY
POLICY

www.senatorleach.com

Dear Chris,

Congratulations on being recognized for your Meritorious Community Service. Good luck with your continued work with Radnor Township and the adjacent communities.

I have enclosed a laminated copy of the newspaper article you are featured in. Sometimes these stories get overlooked, but our office is extremely proud of our constituents' achievements.

Sincerely,

A handwritten signature in black ink, appearing to read "Daylin Leach", followed by a long horizontal flourish.

Daylin Leach
Senator, Commonwealth of Pennsylvania, 17th District

10.23.19

Dear Chief Flanagan -

We're continuing a tradition that we started last year to donate to your K-9 unit. The enclosed check represents this year's contribution.

We hope to continue this tradition annually as long as we can remember to do it!!

Grateful thanks,
Jill Feninger & Michael Quint
512 Askin Rd.

Our Lady of the Assumption Parish

35 Old Eagle School Road

Strafford, PA 19087-2577

Phone: 610-688-1178 Fax: 610-293-9680

October 10, 2019

Superintendent Christopher Flanagan
Radnor Township Police Department
301 Iven Avenue
Wayne, PA 19087

Dear Superintendent Flanagan,

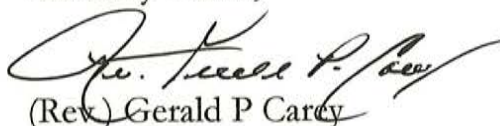
On behalf of myself, our Festival Committee, and the entire parish, I thank you most sincerely for all that the Radnor Police Department did for us for our Annual Feast on the weekend of August 10th and 11th. Providing added patrols of the OLA property over the Festival weekend was greatly appreciated.

We especially extend our gratitude to Officers Josh McCann and Raymond Matus, as well as staff member, Vera DiMaio, all of whom were a great hit with the children and their parents when they demonstrated the various equipment and interacted with the people at the Festival. Their eagerness to stop and chat with everyone was a great blessing, and the presence of the Police Department that day was a sign of all you do for our community and its safety.

Please accept the enclosed \$100 WAWA Gift card as a token of our gratitude. We hope you can use this for refreshments to share with your staff.

Please know that I am most grateful, and ask God to bless and reward you as only He can.

Sincerely Yours,


(Rev.) Gerald P. Carey
Pastor

GPC/raw
Enclosure

Our Lady of the Assumption Parish
35 Old Eagle School Road
Strafford, PA 19087-2577

Phone: 610-688-1178 Fax: 610-293-9680

October 10, 2019

Officer Raymond Matus
Radnor Township Police Department
301 Iven Avenue
Wayne, PA 19087

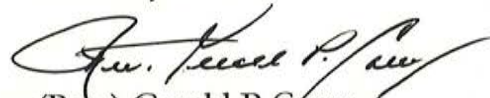
Dear Officer Matus,

On behalf of myself, our Festival Committee, and the entire parish, I thank you most sincerely for all that you did for us for our Annual Feast on August 11, 2019.

We are especially grateful for your willingness to show your support by attending the Festival. The parish community appreciated your friendly interaction and your eagerness to stop and talk to everyone. Your presence and the presence of the other Police Officers that day was a sign of all you do for our community and its safety.

Please know that I am most grateful, and ask God to bless and reward you as only He can.

Sincerely Yours,


(Rev.) Gerald P Carey
Pastor

GPC/raw
Enclosure

RADNOR TOWNSHIP POLICE DEPARTMENT
COMMUNITY EVENTS

Township of Aston

POLICE DEPARTMENT



Daniel Ruggieri
Chief of Police



5021 PENNELL ROAD
ASTON, PENNSYLVANIA 19014

PHONE: (610) 497-2633
FAX: (610) 497-3814

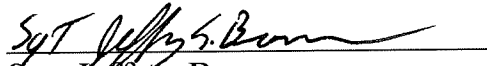
September 19, 2019

Superintendent Christopher Flanagan
Radnor Police Department
301 Iven Avenue
Radnor, PA 19087

Dear Superintendent Flanagan,

This year the Central Delco Tactical Response Team Chief's meeting will be held on October 24, 2019. The meeting will be held at the Aston Township Community Center, located at 3270 Concord Road, Aston, PA 19014, beginning at 0930 hours. If you are able to attend, please notify the secretary at the Aston Township Police Department.

Sincerely,


Sgt. Jeffrey Brown
Commander CDTRT



Christopher Flanagan
Superintendent of Police
301 Iven Ave.
Radnor, PA 19087

October 9, 2019

Superintendent Flanagan,

The Delaware County Law Enforcement Memorial Foundation holds its' annual day of remembrance every year in May at Rose Tree Park. This year we, fortunately, did not add any heroes on our wall. We instead honored our heroes with a message from Johnny Castro, the Phila PD Officer who creates awesome portraits of fallen heroes for their families. DA Kat Copeland also addressed our guests with an inspiring and emotional message to our guests. We had a very nice service.

On Sunday September 29, 2019, we held our annual Ride to Remember motorcycle run from the memorial at Rose Tree to Tom & Jerry's in Ridley Twp. The participation this year again was awesome, the weather was great, and the food was delicious. That all made for a wonderful day. The foundation would like to thank you for allowing officers from your motorcycle unit assist our riders. The ride was a smooth one and everyone enjoyed it. Your officers made their travel route a safe one. The foundation greatly appreciates your generosity. That generosity helps the foundation continue to grow and stay committed to our mission of honoring those brothers and sisters in law enforcement that lost their lives serving the citizens of Delaware County. Thank you.

Sincerely Yours,
James P Reardon
James P Reardon
President, DCLEMF

P.O. Box 101 • Media, PA 19063 • www.DelcoHeroes.org

find us on [facebook](#)

LISA BOROWSKI
President

JACK LARKIN, ESQ.
Vice President

JAKE ABEL

RICHARD F. BOOKER, ESQ.

LUCAS A. CLARK, ESQ.

SEAN FARHY

JOHN NAGLE



RADNOR TOWNSHIP
301 IVEN AVENUE
WAYNE, PENNSYLVANIA 19087-5297

Phone (610) 688-5600
Fax (610) 971-0450
www.radnor.com

ROBERT A. ZIENKOWSKI
Township Manager
Township Secretary

JOHN B. RICE, ESQ.
Solicitor

KATHRYN GARTLAND
Treasurer

To: The residents of the Delmont Village Apartments
421 Morris Rd.
Wayne, PA 19087

Radnor Township understands that you may need further assistance in your time of need due to the recent fire at your apartment complex. We would like you to know that we are here to assist you. Please feel free to reach out to the following resources for information or assistance:

The American Red Cross – 1-800-733-2767
www.redcross.org

Radnor Township Codes Official
Andy Pancoast – 610-688-5600 ext. 140
Email: apancoast@radnor.org

Emergency Management Coordinator
Sgt. Christopher Gluck #301 – 610-688-5600 ext. 260
Email: cgluck@radnor.org

In Service,
Superintendent Christopher B. Flanagan
Radnor Township Police



Delaware County Chamber of Commerce

Driving Business Forward.



U.S. Department of Justice
United States Marshals Service
Eastern District of Pennsylvania

October 4, 2019

Superintendent Christopher Flanigan
Radnor Township Police Department
301 Iven Avenue
Wayne, Pa 19087

Dear Superintendent Flanigan;

On behalf of the US Marshals Service (USMS), I wanted to extend our sincerest thanks and deepest appreciation to Patrolman Nicholas Laffredo. Patrolman Laffredo served as an Operator on the Central Delaware County Tactical Response Team (CDCTRT) during the recent USMS-led Operation CLIPPER RESOLVE. The CDCTRT played a critical role in CLIPPER RESOLVE, which focused its efforts in Chester PA owing to the recent surge in gun-related violence in that city. The USMS Task Force supported by the CDCTRT included federal, state, and local law enforcement personnel. Assets within Delaware County included Chester PD, the Sheriff's Office and Criminal Investigations Division.

Patrolman Laffredo was a key and integral member of the CDCTRT. His team was highly motivated, superbly organized, and well-equipped to respond at a moment's notice to any situation that would have arisen during this Operation. Their deployments during the Operation were perfectly executed, which was in no small part due to the level of training, professionalism, and enthusiasm brought to this mission by Patrolman Laffredo. It was a privilege having Patrolman Laffredo as part of this Task Force, and we absolutely look forward to having the opportunity to work together with him again.

CLIPPER RESOLVE was the first phase of sustained enforcement operations to reduce violent crime in Chester PA and surrounding communities. This Operation concluded with 51 arrests, and included multiple gun and drug seizures incidental to arrest.

Again, please pass our collective thanks to Patrolman Laffredo for an exceptional job well done, and for keeping our teams safe—

Sincerely,



Eric S Gartner
US Marshal

Eastern District of Pennsylvania | US Marshals Service
601 Market Street, Rm 2110
Philadelphia PA 19106
Office: 215-597-1852 | Cell: 215-749-0445
Email: eric.gartner@usdoj.gov



U.S. Department of Justice
United States Marshals Service
Eastern District of Pennsylvania

October 4, 2019

Superintendent Christopher Flanigan
Radnor Township Police Department
301 Iven Avenue
Wayne, Pa 19087

Dear Superintendent Flanigan;

On behalf of the US Marshals Service (USMS), I wanted to extend our sincerest thanks and deepest appreciation to Officer Brett Greaves. Officer Greaves served as an Assistant Squad Leader on the Central Delaware County Tactical Response Team (CDCTRT) during the recent USMS-led Operation CLIPPER RESOLVE. The CDCTRT played a critical role in CLIPPER RESOLVE, which focused its efforts in Chester PA owing to the recent surge in gun-related violence in that city. The USMS Task Force supported by the CDCTRT included federal, state, and local law enforcement personnel. Assets within Delaware County included Chester PD, the Sheriff's Office and Criminal Investigations Division.

Officer Greaves was a key and integral member of the CDCTRT. His team was highly motivated, superbly organized, and well-equipped to respond at a moment's notice to any situation that would have arisen during this Operation. Their deployments during the Operation were perfectly executed, which was in no small part due to the level of training, professionalism, and enthusiasm brought to this mission by Officer Greaves. It was a privilege having Officer Greaves as part of this Task Force, and we absolutely look forward to having the opportunity to work together with him again.

CLIPPER RESOLVE was the first phase of sustained enforcement operations to reduce violent crime in Chester PA and surrounding communities. This Operation concluded with 51 arrests, and included multiple gun and drug seizures incidental to arrest.

Again, please pass our collective thanks to Officer Greaves for an exceptional job well done, and for keeping our teams safe—

Sincerely,



Eric S Gartner
US Marshal

Eastern District of Pennsylvania | US Marshals Service
601 Market Street, Rm 2110
Philadelphia PA 19106
Office: 215-597-1852 | Cell: 215-749-0445
Email: eric.gartner@usdoj.gov



U.S. Department of Justice
United States Marshals Service
Eastern District of Pennsylvania

October 4, 2019

Superintendent Christopher Flanigan
Radnor Township Police Department
301 Iven Avenue
Wayne, Pa 19087

Dear Superintendent Flanigan;

On behalf of the US Marshals Service (USMS), I wanted to extend our sincerest thanks and deepest appreciation to Detective James Metzler. Detective Metzler served as an Operator on the Central Delaware County Tactical Response Team (CDCTRT) during the recent USMS-led Operation CLIPPER RESOLVE. The CDCTRT played a critical role in CLIPPER RESOLVE, which focused its efforts in Chester PA owing to the recent surge in gun-related violence in that city. The USMS Task Force supported by the CDCTRT included federal, state, and local law enforcement personnel. Assets within Delaware County included Chester PD, the Sheriff's Office and Criminal Investigations Division.

Detective Metzler was a key and integral member of the CDCTRT. His team was highly motivated, superbly organized, and well-equipped to respond at a moment's notice to any situation that would have arisen during this Operation. Their deployments during the Operation were perfectly executed, which was in no small part due to the level of training, professionalism, and enthusiasm brought to this mission by Detective Metzler. It was a privilege having Detective Metzler as part of this Task Force, and we absolutely look forward to having the opportunity to work together with him again.

CLIPPER RESOLVE was the first phase of sustained enforcement operations to reduce violent crime in Chester PA and surrounding communities. This Operation concluded with 51 arrests, and included multiple gun and drug seizures incidental to arrest.

Again, please pass our collective thanks to Detective Metzler for an exceptional job well done, and for keeping our teams safe—

Sincerely,



Eric S Gartner
US Marshal

Eastern District of Pennsylvania | US Marshals Service
601 Market Street, Rm 2110
Philadelphia PA 19106
Office: 215-597-1852 | Cell: 215-749-0445
Email: eric.gartner@usdoj.gov



U.S. Department of Justice
United States Marshals Service
Eastern District of Pennsylvania

October 4, 2019

Superintendent Christopher Flanigan
Radnor Township Police Department
301 Iven Avenue
Wayne, Pa 19087

Dear Superintendent Flanigan;

On behalf of the US Marshals Service (USMS), I wanted to extend our sincerest thanks and deepest appreciation to Officer Stephen J Ryan. Officer Ryan served as an Assistant Squad Leader on the Central Delaware County Tactical Response Team (CDCTRT) during the recent USMS-led Operation CLIPPER RESOLVE. The CDCTRT played a critical role in CLIPPER RESOLVE, which focused its efforts in Chester PA owing to the recent surge in gun-related violence in that city. The USMS Task Force supported by the CDCTRT included federal, state, and local law enforcement personnel. Assets within Delaware County included Chester PD, the Sheriff's Office and Criminal Investigations Division.

Officer Ryan was a key and integral member of the CDCTRT. His team was highly motivated, superbly organized, and well-equipped to respond at a moment's notice to any situation that would have arisen during this Operation. Their deployments during the Operation were perfectly executed, which was in no small part due to the level of training, professionalism, and enthusiasm brought to this mission by Officer Ryan. It was a privilege having Officer Ryan as part of this Task Force. As I am sure you know, he comes from a solid law enforcement family. We absolutely look forward to having the opportunity to work together with Officer Ryan again.

CLIPPER RESOLVE was the first phase of sustained enforcement operations to reduce violent crime in Chester PA and surrounding communities. This Operation concluded with 51 arrests, and included multiple gun and drug seizures incidental to arrest.

Again, please pass our collective thanks to Officer Ryan for an exceptional job well done, and for keeping our teams safe—

Sincerely,



Eric S Gartner
US Marshal

Eastern District of Pennsylvania | US Marshals Service
601 Market Street, Rm 2110
Philadelphia PA 19106
Office: 215-597-1852 | Cell: 215-749-0445
Email: eric.gartner@usdoj.gov

BENCHMARK PROFESSIONAL SEMINARS, INC.
P.O. Box 7086
Wilmington, Delaware 19806-7086
302-654-9091 (Voice)
302-225-4165 (Fax)
Haberbenchmark@aol.com (Email)

MEMORANDUM

TO: Departmental Training Officer

FROM: Jacob Haber, President
Benchmark Professional Seminars, Inc.

SUBJECT: Confirmation of Agency Representative Attending Seminar

This document is to serve as confirmation that the individual named below did attend and complete the program listed. Please place this letter or copy of same within that person's personnel folder.

Registrant: Chris Flanagan

Name of Program: Event Policing

Program Date: October 21-22, 2019

Class Contact Hours: 13

Location: Bucks County Police Training Center // Doylestown, Pennsylvania

Instructor: Captain Brian Ravert, Training Officer, AMTRAK Police Department, Philadelphia (retired)

Program Description

Seminar focusing on issues and procedures law enforcement departments might employ with dealing with events where their presence is required for safety and security. Topics to be covered include, but not limited to: (1) types of special events such as New Year Parade or demonstrations; (2) motivations of individuals and groups to hold public events; (3) equipment required for the event such as mobile command post; (4) environmental conditions such as parade routes; (5) multi-jurisdictional issues and interdepartmental cooperation; (6) when potential terrorist activity might be present; (7) determining the number of officers required at the event, and (8) post event evaluation.

The Bucks County Police Training Center



Acknowledges
Chief Christopher Flanagan



This Certificate of Completion

Event Policing


Richard Vona

Date

10/21/2019 - 10/22/2019

Instructional Hours

14

Director
Bucks County Law
Enforcement Training



Chief Ronald T. MacPherson

President
Bucks County
Police Chiefs Association

The Bucks County Police Training Center



Acknowledges

Officer Nick Laffredo

This Certificate of Completion

Event Policing

A handwritten signature in blue ink, appearing to read "Richard Vona".

Richard Vona

Director

Bucks County Law

Enforcement Training

Date

10/21/2019 - 10/22/2019

Instructional Hours

14

A handwritten signature in blue ink, appearing to read "Ronald T. MacPherson".

Chief Ronald T. MacPherson

President

Bucks County

Police Chiefs Association

The Bucks County Police Training Center



Acknowledges

Sergeant Christopher Gluck

This Certificate of Completion

Event Policing

A handwritten signature in blue ink, appearing to read "Richard Vona".

Richard Vona

Date

10/21/2019 - 10/22/2019

Instructional Hours

14

A handwritten signature in blue ink, appearing to read "Ronald T. MacPherson".

Chief Ronald T. MacPherson

President

Bucks County

Police Chiefs Association

Director
Bucks County Law
Enforcement Training

The Bucks County Police Training Center



Acknowledges

Officer James M. Metzler Jr



This Certificate of Completion

Event Policing

A handwritten signature in blue ink, appearing to read "Richard Vona".

Richard Vona

Date

10/21/2019 - 10/22/2019

Director

Bucks County Law

Enforcement Training

A handwritten signature in blue ink, appearing to read "Ronald T. MacPherson".

Chief Ronald T. MacPherson

President

Bucks County

Police Chiefs Association

The Bucks County Police Training Center



Acknowledges
Officer Brett Greaves



This Certificate of Completion

Event Policing

Richard Vona

Richard Vona

Director
Bucks County Law
Enforcement Training

Date

10/21/2019 - 10/22/2019

Instructional Hours

14

Ronald S. MacPherson

Chief Ronald T. MacPherson

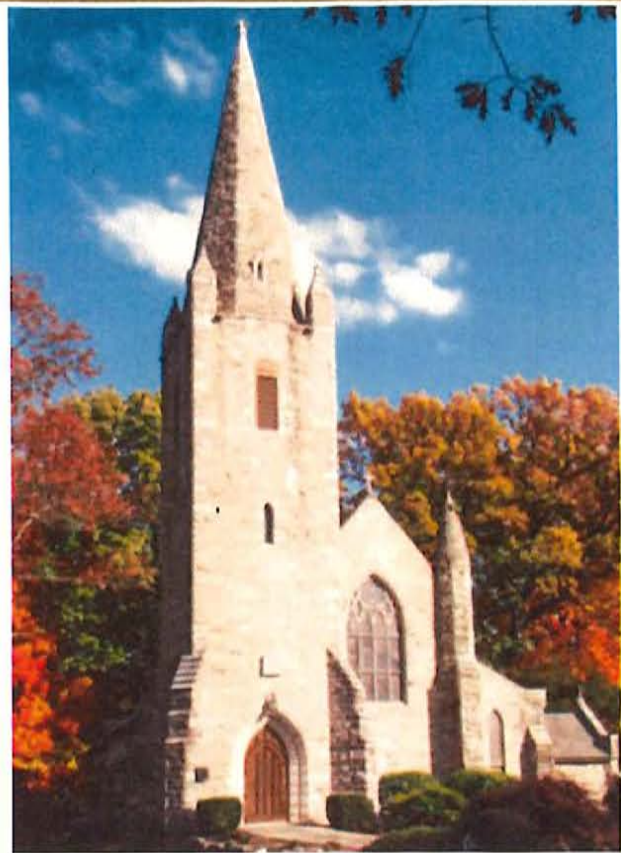
President
Bucks County
Police Chiefs Association

100th Anniversary

*You are cordially invited to
The One Hundredth Anniversary Celebration of
Christ Church, Ithan
Sunday, November 10, 2019
10:00 am Anniversary Service*

*A brunch to be held immediately following
in Ithan Hall. Fellowship, exhibits and
100th anniversary video presentation.*

*Tickets: \$30.00 Adults
Children 12 and under free*



9/30/2019

Chief Flanagan,

*Looking forward to seeing you at our Centennial
Celebration on November 10th.*

Your Friends at Christ Church, Ithan



RECREATION & COMMUNITY PROGRAMMING DEPARTMENT

OCTOBER 2019 REPORT

Programs/Excursions/Community Events

Programs Underway/Registration Open:

- Preschool Tee -Ball with Jump Start Sports at Clem Macrone Park (25 participants)
- Soccer Shots Preschool Soccer at Clem Macrone (162 participants/14 sessions)
- World Cup Sports Academy Junior Soccer at Radnor Memorial Park (Monday session canceled due to low enrollment; Wednesday session/15 participants)
- Day-Off-School Camp on Wednesday, October 9 with Jump Start Sports at Radnor Middle School (20 participants)
- Junior/Adult Tennis Lessons David Broida at Radnor Racquet Club (27 participants/5 sessions)
- Men's Pickup Basketball at Radnor Middle School (11 participants registered)
- Yoga in the Park with Liz Seaden of Verge Yoga at Clem Macrone Park (5 participants)
- Radnor Steps Community Walking Program along the Trail – (participation varies each week)
- LL Bean Hike (participation varies each session)
- Pickleball at Radnor Activity Center (on hold due to RAC closure – unable to be relocated)
- New York City Trip on Saturday, December 7 – (39 participants registered)

PRPS Discount Ticket Program:

- Regal Movie Discount Ticket Program (213 sold to date 2019)
- Amusement Park Tickets (95 sold to date 2019)

Community Events:

- 8th Annual Fall Harvest & Great Pumpkin Patch Event at the Willows Park took place on Sunday, October 6 (approximately 4,000 in attendance)
- 2nd Annual Girl Scout Campfire & Sing-A-Long at the Willows Park took place on Friday, October 18 (approximately 150 in attendance)
- 9th Annual Trick or Treat at the Township Building took place on Friday, October 25 (approximately 125 in attendance)
- 42nd Annual Radnor Run at the Township Building on Sunday, October 27 (600 participants/5-mile and 1-mile participants, 100 volunteers, \$120K+ raised for the American Lung Association)
- 3rd Annual Mother Daughter Princess Tea Party on Sunday, November 10, 2019 at The Saturday Club (110 mothers/daughters and grandmothers/granddaughters - SOLD OUT)

Additional Programming Activity:

- Distributed Fall 2019 Recreation Activities Brochure and conducted promotions for upcoming seasonal programming and events.
- Continued meeting with fall and winter programming and event instructors/vendors to wrap up applicable seasonal programs; worked through remaining 2019 programming goals, coordinated contractual agreements, facility schedules, program logistics, participant communications, and emergency/safety procedures.
- Met with Radnor Township School District to discuss facility rental costs from 2018 and 2019 programs; informed of anticipated impacts to fee schedule for Township facility rentals in 2020 and facilities that will be unavailable in 2020/2022, particularly for Radnor Day Camp.
- Coordinated relocation of programming due to Radnor Activity Center floor repairs.
- Worked with local private schools and churches to procure facility for Radnor Day Camp 2020.
- Met with fall, winter and summer programming instructors/vendors to plan for upcoming seasons.

- Coordinated with Recreation/Public Works/Police/Fire Departments along with partners to prepare and plan for upcoming 2019 events including Fall Harvest & Great Pumpkin Patch, Radnor Girl Scouts Campfire & Sing-a-Long, Trick or Treat at the Township Building, Radnor Run, Mother-Daughter Princess Tea Party, Santa's Delivery, Mother-Son Superhero Challenge, and the Daddy Daughter Valentines' Dance; discussed logistics, set up, activities and entertainment, supplies, staffing, registration, and promotions.
- Attended Department community events and visited various programs.
- Met with Township Manager, Superintendent of Police, and Public Works Director to finalize safety planning for the Fall Harvest Event.
- Met with American Lung Association and event volunteers to finalize Radnor Run course logistics and safety preparations.
- Met with Radnor Girl Scouts representative to finalize details for Girl Scouts Campfire & Sing-a-Long event.
- Met with Taste of Britain and The Saturday Club to coordinate details for upcoming Mother-Daughter Princess Tea Party Event.
- Continued to work with Eastern University to plan and develop an agreement for venue usage for the 2020 Mother-Son Superhero Challenge Event.
- Continued working with The Inn at Villanova University representative to plan for the 2020 Daddy Daughter Valentine's Dance.
- Met with Radnor Civic Association to discuss potential programming synergies.
- Met with Wayne Senior Center to plan upcoming programming synergies.
- Continued sponsorship and partnership development by working with local businesses and organizations; solicited sponsorship proceeds for 2019 events and programs and met with several sponsors/potential sponsors.
- Coordinated employee health and wellness programming; continued working on 2019-2020 grant.
- Continued working with the PA Recreation and Parks Society (PRPS) regarding the child care licensing requirements for preschool-age programming under the PA Department of Human Services - a waiver request was submitted to the DHS under which public recreation providers would operate, consideration was denied by DHS; worked with PRPS on an amendment and testimony that was presented to the PA Public Welfare Code to exclude public municipal recreation programs from the certification requirements for day care center facilities at a hearing by the PA House Child & Youth Services Committee regarding consideration of PRPS's recommendations.

Administrative

- Processed daily phone and email communications in order to provide information on community sports, recreational activities, and events; coordinated registrations for programs; prepared purchase orders/invoices, deposited income; prepared program financial reports that include participation reconciliation, instructor payments, and performance analyses; distributed program evaluations to participants; coordinated locations and logistics for programming, scheduled facility reservations/submitted applications, maintained Outlook event calendars, met with instructors and vendors to develop program agreements and process background checks; continued utilization of PEN (Programmer's Exchange Network) listserv to obtain and share information to evaluate operations; updated all Department areas of the Township website and social media page and distributed seasonal e-newsletters; filmed monthly segment for the *Radnor 411* television show and prepared slides for the Radnor Cable Channel; coordinated marketing efforts; managed inventories and distributed supplies to programs; worked with Township solicitor on various Department items.
- Prepared season-end financial reporting and evaluation of programming, discount ticket program, community events, and projects.
- Continued to work with and meet with Program Supervisor, Program Coordinator, and Recreation Assistant on daily planning, programming, events, operations, and projects.

- Developed 2020 Department Goals and Objectives; prepared Parks and Recreation capital projects for along with operating budget requests for 2020; attended several budget planning meetings with Township Manager and Finance Director; conducted internal budget meetings with Department staff; prepared and presented budget presentation for the Board of Commissioners.
- Finalized contractual agreement with MyRec.com for online recreation registration and scheduling services, began project implementation steps.
- Attended weekly staff meetings with the Township Manager and Department Heads.
- Attended monthly Board of Commissioners and Parks Board Meetings and prepared reports.
- Met with Township Parks & Recreation Board Members to prepare for upcoming meetings.
- Attended monthly Staff Safety Committee Meeting.
- Attended monthly Sports Legends of Delaware County Museum Board Meeting.
- Met with Safety One to discuss potential services that would benefit Recreation Department.
- Attend Radnor Girl Scout visit to the Township Building.

Parks & Recreation Facilities Usage & Projects

- **Athletic Fields:** Coordinated field and light schedules with users for several park locations and Radnor Memorial Park for the fall season.
- **Park Areas/Picnic Rentals:** Coordinated seasonal reservations to date:
 - Bo Connor Park (1 rental)
 - Clem Macrone Park (19 rentals)
 - Cowan Park (1 rental)
 - Dittmar Park (1 rental)
 - Fenimore Woods (21 rentals)
 - Odorisio Park (1 rental)
 - Willows Park (8 rentals)
- **Radnor Activity Center:** Facility remained closed throughout October due to the corrections that are needed as part of floor replacement (facility closed October 10 to December 8, 2018 for floor replacement; facility closed again January 14, 2019 to present due to the continued presence of issues with the floor); assessment reports were conducted in February and a plan was developed to test the floor and its conditions along with moisture composition which took place through summer along with additional conditions assessments to the subfloor and subsurface concrete; the Township has been working with Radnor Township School District to develop short-term and long-term goals for the facility and it is anticipated that the floor corrections will be completed in mid-November and the facility will reopen with usage to resume in December.
- **Eagle Scout Projects:**
 - Trail Walkway Extension/Restoration at the Willows Park – project currently underway.
- **Park Signage Replacement:**
 - Saw Mill Park sign has been put on hold as we evaluate the park traffic flow and walkway logistics.
 - Ardrossan, Ithan Valley Park, Bo Connor Park, Warren Filipone Park (entrance/exit signage) and Fenimore Woods are under development.
- **Park and Trail Improvements** – a bond ordinance was voted at the October 26, 2015 Board of Commissioners Meeting for the following parks and trails (\$5.75M - \$4.3M Parks/\$1.45M Trails); met with staff and continued working towards completion of the various park projects that have been outlined – see update provided to the Parks & Recreation Board at the June meeting.

Bo Connor Park (complete)
Cappelli Golf Range (in progress)
Clem Macrone Park (complete)
Emlen Tunnel Park (in progress)

Encke Park (complete)
Fenimore Woods (in progress)
Ithan Valley Park (in progress)
Petrie Park (complete)
Radnor Trail (under evaluation)
Skunk Hollow Park (complete)
Warren Filipone Park (in progress)
Ardrossan Trail
West Wayne Segment (8A-E, 1C, 1D)
Marth Brown Segment
Villanova – Chew Segment (16A, 9C, ½) - omitted
Radnor Station to Harford Park (9F)

- **Bo Connor Park Improvements:** park improvement project underway that includes rehabilitation to the basketball court, installation of pickleball court, new park perimeter and ballfield fencing, sidewalk repairs, site grading, and accessibility; attended meetings to discuss status and progress of the park; working on park completion punch-list, closeout, and cleanup; coordinated bleacher repairs.
- **Emlen Tunnell Park:** Lease addendum approved by both RTSD and Radnor Township BOC relative to the comfort station project; purchase of the comfort station was awarded in April by the BOC and the building components will be delivered on November 25 (parking restrictions will occur until the project has been completed and have been communicated); final building design, engineering, and site development have taken place and the project has been bid with award of construction anticipated on November 25.
- **Ithan Valley Park Improvements:** working on anticipated park improvements that includes park entrance signage, wall restoration, and fencing; extending trail access into the park from Clyde Road is currently under evaluation; bridge installation has been determined unfeasible for the project.
- **Fenimore Woods Rehabilitation Project:** Comprehensive park renovation project planning is underway – the project has been presented to the BOC and they have authorized bid; project design and specifications development is currently underway; infiltration testing relative to the anticipated stormwater management plan took place in August.
- **Radnor Trail - Brookside Parking Lot Restroom:** worked on restroom design options with various vendors; coordinated site layout with Gannett Fleming and it has been determined unfeasible to install sewer/water at the site as part of the project.
- **Warren Filipone Park Improvement:** park improvement project underway that includes rehabilitation to the tennis courts and parking lot, ball field fencing, dugouts, and accessibility; attended meetings to discuss status and progress of the park; working on park completion punch-list, closeout, and cleanup.
- **Various Park and Facility-Related Meetings:**
 - Met with various turf management professionals to discuss Radnor sports field restorations.
 - Met with RWLL President to review ballfields/fencing at Bo Connor and Warren Filipone.
 - Met with Township resident to discuss interests in Willows Cottage.
 - Met with Public Works Parks Field Leader on various park projects and maintenance.

Respectfully Submitted,



Tammy S. Cohen
Director of Recreation & Community Programming

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; Lt. Shawn Dietrich; Lt. Joseph Pinto;
Sgt. Mark Stiansen, Officer Alex Janoski; Officer Pat Lacey, Officer Ken Piree,
Officer Ray Matus, Highway Patrol Unit; William Gallagher, Supervisor of Parking;
Amy Kaminski, Traffic Engineer for Gilmore and Associates;
Vera DiMaio, Administrative Assistant

FR: Christopher B. Flanagan

**RE: STAFF TRAFFIC COMMITTEE MEETING HELD IN THE POLICE ROLL
CALL ROOM, WEDNESDAY, OCTOBER 16, 2019, 10:00 AM.**

NEW BUSINESS

1. Mr. Anderson requests safety and quality of life issues for residences along the 100 block of Conestoga Road:
 - Requests sidewalk from Lancaster Avenue down to South Devon Avenue
 - Requests flashing crosswalk or proper roadway markings at intersection of South Devon Avenue and Conestoga Road
 - Speed enforcement of current speed limits along Conestoga Road from Lancaster to West Wayne Avenue

Mr. Anderson was not present at this meeting.

Township Engineer, Steve Norcini, stated there is already a sidewalk and pedestrian control signs on the north side. This is a state road, would require PennDot permitting. There were discussions of different options. Steve Norcini recommended meeting with neighbors. Currently the speed limit is 35 miles per hour. Will do a speed county study. The speed box is unavailable at this time; when it is repaired, will be placed on Conestoga Road.

2. Mr. Jon Curreri requests speed humps on Brooke Farm Road

Highway Patrol Officer Ken Piree gave Mr. Curreri a Petition prior to this meeting and advised him to begin the process.

Staff Traffic Committee stated that speed humps cannot be placed on curves for safety reasons. It was also discussed that if speed humps were to be placed, it would have to be on the straight of the roadway. It was stated neighbors may not be in favor of that. Staff Traffic made suggestions of placing a "Watch Children" sign on the street. Also placing 25

mile per hour speed limit signs on the street to help. The speed box will be placed on this street once repaired to collect data. Will return to Staff Traffic Committee with findings. (to be placed under Old Business).

3. FS Investments Annual Turkey Trot 5K on November 28, 2019 at 7am-12noon

Staff Traffic Committee approves the Annual Turkey Trot 5K on November 28, 2019. All necessary paperwork has been submitted.

4. Commissioner Abel requests crosswalk to be installed between South Devon Avenue and Devonwood Road

Commissioner Abel was available during this discussion via conference call.

Township Engineer, Steve Norcini, stated that PennDot is requiring all crosswalks to be ADA compliant. This location is not. It would also require curb cuts, and all other necessary requirements. Highway Patrol Officer Pat Lacey stated that crosswalks are not placed for the intent of vehicles to stop. Field Leader Bill Cassidy suggested placing additional signage like "Watch Children" to help with issue.

5. Commissioner Abel requests to install a new crosswalk at Crestview/West Wayne Avenue

Staff Traffic Committee states a new crosswalk cannot be installed as there are no curb cuts on Crestview side which is required to be ADA Compliant.

6. Mrs. RoseMary Libert requests Windermere Speed Study Report. Also, requests No Parking Between signs to be moved further west on Windermere

Ms. Libert was not present at this meeting.

Highway Patrol Officer Ray Matus stated a study was performed in the past for the same reason. The 85% percentile speed was 27 miles per hour and the average daily traffic was 1000 vehicles per day. Highway Patrol Officer Ray Matus stated there is not a site distance problem at this location and recommends that the signs remain at that location. The requirements for speed humps were not met.

7. Lynn Ellis requests a left turn light to be installed at the intersection of Eagle and Conestoga Roads and Route 30

No other complaints were received on this matter. Staff Traffic Committee does not see an issue here. If more complaints are received, it will be pursued at that time.

1. Louella Court discussion

Highway Patrol Officer Ray Matus stated that Citations and stop sign violations were issued. The speed counter (when repaired) will be placed in the lot of Louella Court and returned with its data.

Additional item discussed:

Commissioner Nagle discussed height of a fence on 710 Moore Avenue. States that there was a discussion of a sight distance problem due to height of fence. The fence was approved as it is considered a side yard. Township Manager suggested a mirror be placed on the pole. Highway Patrol Officer Ray Matus will look into the issue.

See attached spreadsheet for pending issues



RADNOR TOWNSHIP POLICE DEPARTMENT
301 Iven Ave., Wayne, PA 19087

October 2019 Staff Traffic Status Report

Radnor Fire Company requests evaluation of traffic and parking on South Wayne Avenue	12/20/2017 Radnor Fire Company is interested in: <ul style="list-style-type: none">Emergency pre-emption at the Fire Station on S. Wayne Avenue. This request has been noted in the 2019 Capital Plan. At this time, capital projects are not yet funded. The Board of Commissioners will determine which projects are funded.	Also, the pedestrian walkway will be upgraded to a continental crosswalk, and signage adjusted accordingly.
County Line Corridor Study (from Lancaster Avenue to Conestoga Road)	The County Line Corridor Study has been posted online.	Meeting was held. Capital Funding has been requested for projects noted in the study, some in conjunction with Lower Merion Township.
King of Prussia Bridge	Strike issues	The Pennsylvania Department of Transportation has installed additional (large and numerous) signs warning of the bridge height.
N. Wayne Ave/Poplar Ave/West Avenue Pedestrian Improvement Signal project	<ul style="list-style-type: none">DCED MTF grant awarded; construct signal and pedestrian improvements at intersection	The design contract has been awarded to Gilmore and Associates. Pending multi-agency reviews, lead time for signal equipment, construction anticipated in late 2020. This project is funded by a DCED MTF Grant and General Obligation Bond Issue.



RADNOR TOWNSHIP POLICE DEPARTMENT
301 Iven Ave., Wayne, PA 19087

October 2019 Staff Traffic Status Report

Walnut Avenue Triangle Intersection discussion	Powerpoint was completed. Steve Norcini advised not to place a tree in the triangle due to possible site obstruction. A site visit was planned prior to any installation. No site visit was performed. Mr. Velunti planted a tree regardless of the recommendation of Staff Traffic Committee and Steve Norcini	The Superintendent and Engineer visited the site. The outcome was that the resident should have the petition passed through the neighborhood(street determined by PD), to gauge overall resident opinion on the plan. It was also noted that delivery trucks, hereby southbound North Wayne, turn onto Walnut, will cause the proposed island to be smaller.
King of Prussia Rd & Eagle Rd intersection improvements	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	Funding has been approved for this project. Permitting and design in 2020; construction in 2021.

**RESOLUTION NO. 2019-124
RADNOR TOWNSHIP**

**A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY,
PENNSYLVANIA. AUTHORIZING THE TOWNSHIP TO ENTER
INTO AN AGREEMENT WITH THE PENNSYLVANIA
RECREATION & PARKS SOCIETY FOR THE 2020 SEASONAL
DISCOUNT TICKET PROGRAM**

WHEREAS, the Radnor Township Recreation & Community Programming Department offers various programs and services to improve the quality of life throughout the year; and

WHEREAS, in many cases, the Township contracts with outside organizations and individuals to deliver specialized programs and services; and

WHEREAS, the Home Rule Charter Chapter 7.11(D) requires that any contract in excess of \$7,500 be formally approved by the Board of Commissioners; and

WHEREAS, the Township anticipates that the discount tickets in 2020 will result in a contractual payment to the Pennsylvania Recreation & Parks Society that will exceed the \$7,500 threshold stipulated by the Home Rule Charter and therefore will require Board approval; and

WHEREAS, the Township collects fee-based revenue from participants that are aligned to cover the full cost of the proposed contract included in this Resolution.

NOW, THEREFORE, it is hereby **RESOLVED** that the Board of Commissioners of Radnor Township hereby authorizes the Township to enter into an agreement with the Pennsylvania Recreation & Parks Society for their portion of the proceeds generated from the seasonal discount ticket program in 2020 that is estimated to be \$8,000.00.

SO RESOLVED, at a duly convened meeting of the Board of Commissioners of Radnor Township conducted on this 25th day of November, 2019.

RADNOR TOWNSHIP

By: _____
Name: Lisa Borowski
Title: President

ATTEST: _____
Name: Robert A. Zienkowski
Title: Township Manager/Secretary

Radnor Township



PROPOSED LEGISLATION

DATE: November 18, 2019

TO: Board of Commissioners

FROM: Tammy Cohen, Director of Recreation & Community Programming

A handwritten signature, likely of Tammy Cohen, is located to the right of the "FROM:" line.

LEGISLATION: Resolution 2019-124 authorizing the Township to enter into an agreement with the Pennsylvania Recreation & Parks Society for the 2020 Seasonal Discount Ticket Program.

LEGISLATIVE HISTORY: This is a one-time resolution that is specific to the seasonal discount ticket program in 2020. Since the program participation is anticipated to be high enough to cause the Pennsylvania Recreation & Parks Society's portion to exceed \$7,500, the Charter requires that the Board formally approved the agreement.

PURPOSE AND EXPLANATION: The Recreation & Community Programming Department would like to work with the Pennsylvania Recreation & Parks Society to offer the community seasonal discount tickets to area attractions such as local ski destinations and amusement parks in 2020. It is anticipated that the amount of tickets purchased by members of the community will be high enough to cause the Pennsylvania Recreation & Parks Society's portion of the proceeds to exceed \$7,500. The purpose for the resolution is to satisfy the Charter requirement that any contract that exceeds \$7,500 must be formally approved by the Board of Commissioners.

FISCAL IMPACT: The impact of the seasonal discount ticket program is that it is anticipated that the Township will generate a specific per-ticket fee (varies by type of ticket and destination) and a specific portion of each ticket fee will be contractually owed to the Pennsylvania Recreation & Parks Society, which is estimated to be \$8,000.00 for 2020. The specific costs of the tickets are aligned to cover the full cost of the proposed contract included in this Resolution. The anticipated cost for the seasonal discount tickets with the Pennsylvania Recreation & Parks Society has been budgeted under the *Recreation Programming – Programs* area of the Township 2020 Budget under *Contractual Services*.

RECOMMENDED ACTION: The Administration respectfully recommends that the Board adopt this resolution at the November, 25th, 2019 Board of Commissioner's Meeting.

**RESOLUTION NO. 2019-123
RADNOR TOWNSHIP**

**A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY,
PENNSYLVANIA. AUTHORIZING THE TOWNSHIP TO ENTER
INTO AN AGREEMENT WITH WORLD CUP SPORTS ACADEMY
FOR 2020 SEASONAL PROGRAMMING.**

WHEREAS, the Recreation & Community Programming Department offers various programming to improve the quality of life throughout the year; and

WHEREAS, in many cases, the Township contracts with outside organizations who then run the program; and

WHEREAS, the Home Rule Charter Chapter 7.11(D) requires that any contract in excess of \$7,500 be formally approved by the Board of Commissioners; and

WHEREAS, the Township anticipates that the seasonal programming in 2020 will result in a contractual payment to World Cup Sports Academy that will exceed the \$7,500 threshold stipulated by the Home Rule Charter and therefore will require Board approval; and

WHEREAS, the Township collects fee-based revenue from program participants that are aligned to cover the full cost of the proposed contract in this Resolution.

NOW, THEREFORE, it is hereby **RESOLVED** that the Board of Commissioners of Radnor Township hereby authorizes the Township to enter into an agreement with World Cup Sports Academy for their portion of the proceeds of the seasonal programming in 2020 which is estimated to be \$85,000.00.

SO RESOLVED, at a duly convened meeting of the Board of Commissioners of Radnor Township conducted on this 25th day of November, 2019.

RADNOR TOWNSHIP

By: _____
Name: Lisa Borowski
Title: President

ATTEST: _____
Name: Robert A. Zienkowski
Title: Township Manager/Secretary

Radnor Township



PROPOSED LEGISLATION

DATE: November 18, 2019

TO: Board of Commissioners

FROM: Tammy Cohen, Director of Recreation & Community Programming

⑨

LEGISLATION: Resolution 2019-123 authorizing the Township to enter into an agreement with World Cup Sports Academy for 2020 Seasonal Programming.

LEGISLATIVE HISTORY: This is a one-time resolution that is specific to the seasonal programming in 2020. Since the program enrollment is anticipated to be high enough to cause World Cup Sports Academy's portion to exceed \$7,500, the Charter requires that the Board formally approve the agreement.

PURPOSE AND EXPLANATION: The Recreation & Community Programming Department would like to work with World Cup Sports Academy to offer various seasonal programs in 2020. It is anticipated that the enrollment for the seasonal programming in 2020 will be high enough to cause World Cup Sports Academy's portion of the proceeds to exceed \$7,500. The purpose for the resolution is to satisfy the Charter requirement that any contract that exceeds \$7,500 must be formally approved by the Board of Commissioners.

FISCAL IMPACT: The impact of the seasonal programming is that it is anticipated that the Township will generate various percentages depending on the programs offered, ranging from 20% to 25% of the total programming sales (plus 100% of the non-resident fees) and that 75% to 80% of the total programming sales is contractually owed to World Cup Sports Academy. Both Radnor Township and World Cup Sports Academy will be responsible for collecting the proceeds generated from the seasonal programming – with World Cup Sports Academy responsible for the majority. The Township's proceeds that are collected from program participants are aligned to cover the full cost of the proposed contract included in this Resolution, which is estimated to be \$85,000.00. All anticipated costs for the seasonal programming with World Cup Sports Academy has been budgeted under the *Recreation Programming – Programs* area of the Township 2020 Budget under *Contractual Services*.

RECOMMENDED ACTION: The Administration respectfully recommends that the Board adopt this resolution at the November 25th, 2019 Board of Commissioner's Meeting.

**RESOLUTION NO. 2019-122
RADNOR TOWNSHIP**

**A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY,
PENNSYLVANIA. AUTHORIZING THE TOWNSHIP TO ENTER
INTO AN AGREEMENT WITH JUMP START SPORTS, LLC. FOR
2020 SEASONAL PROGRAMMING.**

WHEREAS, the Recreation & Community Programming Department offers various programming to improve the quality of life throughout the year; and

WHEREAS, in many cases, the Township contracts with outside organizations who then run the program; and

WHEREAS, the Home Rule Charter Chapter 7.11(D) requires that any contract in excess of \$7,500 be formally approved by the Board of Commissioners; and

WHEREAS, the Township anticipates that the seasonal programming in 2020 will result in a contractual arrangement with Jump Start Sports, LLC. that will exceed the \$7,500 threshold stipulated by the Home Rule Charter and therefore will require Board approval; and

NOW, THEREFORE, it is hereby **RESOLVED** that the Board of Commissioners of Radnor Township hereby authorizes the Township to enter into an agreement with Jump Start Sports, LLC. for their portion of the proceeds of the seasonal programming in 2020 that is estimated to be \$30,000.00.

SO RESOLVED, at a duly convened meeting of the Board of Commissioners of Radnor Township conducted on this 25th day of December 2019.

RADNOR TOWNSHIP

By: _____
Name: Lisa Borowski
Title: President

ATTEST: _____
Name: Robert A. Zienkowski
Title: Township Manager/Secretary

Radnor Township



PROPOSED LEGISLATION

DATE: November 18, 2019

TO: Board of Commissioners

FROM: Tammy Cohen, Director of Recreation & Community Programming

A handwritten signature in blue ink, appearing to be "TC", located to the right of the "FROM:" line.

LEGISLATION: Resolution 2019-122 authorizing the Township to enter into an agreement with Jump Start Sports, LLC. for 2020 Seasonal Programming.

LEGISLATIVE HISTORY: This is a one-time resolution that is specific to the seasonal programming in 2020. Since the program enrollment is anticipated to be high enough to cause Jump Start Sports, LLC.'s portion of the proceeds to exceed \$7,500, the Charter requires that the Board formally approve the agreement.

PURPOSE AND EXPLANATION: The Recreation & Community Programming Department would like to work with Jump Start Sports, LLC. to offer various seasonal programs in 2020. It is anticipated that the enrollment for the seasonal programming will be high enough to cause Jump Start Sports, LLC.'s portion of the proceeds to exceed \$7,500. The purpose for the resolution is to satisfy the Charter requirement that any contract that exceeds \$7,500 must be formally approved by the Board of Commissioners.

FISCAL IMPACT: The impact of the seasonal programming is that it is anticipated that the Township will generate 30% of the total programming sales (plus 100% of the non-resident fees) and that 70% of the total programming sales will be retained by Jump Start Sports, LLC. under this contractual agreement, which is estimated at \$30,000 for 2020. Jump Start Sports, LLC. will be responsible for collecting all of the proceeds generated from the seasonal programming and the Township will receive their 30% portion from Jump Start Sports, LLC. There will be no direct payment made by the Township under this contractual agreement and therefore no direct impact to the expense portion of the Township 2020 Budget.

RECOMMENDED ACTION: The Administration respectfully recommends that the Board adopt this resolution at the November 25th, 2019 Board of Commissioner's Meeting.

**RESOLUTION NO. 2019-121
RADNOR TOWNSHIP**

**A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY,
PENNSYLVANIA. AUTHORIZING THE TOWNSHIP TO ENTER
INTO AN AGREEMENT WITH SOCCER SHOTS, LLC. FOR 2020
SEASONAL SOCCER PROGRAMMING.**

WHEREAS, the Recreation & Community Programming Department offers various programming to improve the quality of life throughout the year; and

WHEREAS, in many cases, the Township contracts with outside organizations who then run the program; and

WHEREAS, the Home Rule Charter Chapter 7.11(D) requires that any contract in excess of \$7,500 be formally approved by the Board of Commissioners; and

WHEREAS, the Township anticipates that the seasonal programming in 2020 will result in a contractual arrangement with Soccer Shots, LLC. that will exceed the \$7,500 threshold stipulated by the Home Rule Charter and therefore will require Board approval; and

NOW, THEREFORE, it is hereby **RESOLVED** that the Board of Commissioners of Radnor Township hereby authorizes the Township to enter into an agreement with Soccer Shots, LLC. for their portion of the proceeds of the seasonal soccer programming in 2020 which is estimated to be \$40,000.00.

SO RESOLVED, at a duly convened meeting of the Board of Commissioners of Radnor Township conducted on this 25th day of November, 2019.

RADNOR TOWNSHIP

By: _____
Name: Lisa Borowski
Title: President

ATTEST: _____
Name: Robert A. Zienkowski
Title: Township Manager/Secretary

Radnor Township



PROPOSED LEGISLATION

DATE: November 18, 2019

TO: Board of Commissioners

FROM: Tammy Cohen, Director of Recreation & Community Programming

②

LEGISLATION: Resolution 2019-121 authorizing the Township to enter into an agreement with Soccer Shots, LLC. for 2020 Seasonal Soccer Programming.

LEGISLATIVE HISTORY: This is a one-time resolution that is specific to the seasonal soccer programming in 2020. Since the program enrollment is anticipated to be high enough to cause Soccer Shots, LLC.'s portion of the proceeds to exceed \$7,500, the Charter requires that the Board formally approve the agreement.

PURPOSE AND EXPLANATION: The Recreation & Community Programming Department would like to work with Soccer Shots, LLC. to offer various seasonal soccer programs in 2020. It is anticipated that the enrollment for the seasonal soccer programming in 2020 will be high enough to cause Soccer Shots, LLC.'s portion of the proceeds to exceed \$7,500. The purpose for the resolution is to satisfy the Charter requirement that any contract that exceeds \$7,500 must be formally approved by the Board of Commissioners.

FISCAL IMPACT: The impact of the seasonal soccer programming is that it is anticipated that the Township will generate 25% of the total programming sales (plus 100% of the non-resident fees) and that 75% of the total programming sales will be retained by Soccer Shots, LLC. under this contractual agreement, which is estimated to be \$40,000.00. Soccer Shots, LLC. will be responsible for collecting all of the proceeds generated from the seasonal soccer programming and the Township will receive their 25% portion from Soccer Shots, LLC. There will be no direct payment made by the Township under this contractual agreement and therefore no direct impact to the expense portion of the Township 2020 Budget.

RECOMMENDED ACTION: The Administration respectfully recommends that the Board adopt this resolution at the November 25th, 2019 Board of Commissioner's Meeting.

**RESOLUTION NO. 2019-120
RADNOR TOWNSHIP**

**A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY,
PENNSYLVANIA, AUTHORIZING THE TOWNSHIP TO ENTER INTO AN
AGREEMENT WITH DAVID BROIDA FOR 2020 SEASONAL TENNIS
PROGRAMMING.**

WHEREAS, the Radnor Township Parks & Recreation Department offers various programming to improve the quality of life throughout the year; and

WHEREAS, in many cases, the Township contracts with outside organizations who then run the program; and

WHEREAS, the Home Rule Charter Chapter 7.11(D) requires that any contract in excess of \$7,500 be formally approved by the Board of Commissioners; and

WHEREAS, the Township anticipates that the seasonal tennis programming in 2020 will result in a contractual payment to David Broida that will exceed the \$7,500 threshold stipulated by the Home Rule Charter and therefore will require Board approval; and

WHEREAS, the Township collects fee-based revenue from participants that are aligned to cover the full cost of the proposed contract included in this Resolution.

NOW, THEREFORE, it is hereby **RESOLVED** that the Board of Commissioners of Radnor Township hereby authorizes the Township to enter into an agreement with David Broida for his portion of the proceeds of the seasonal tennis programming that is estimated to be \$10,000.00 in 2020.

SO RESOLVED, at a duly convened meeting of the Board of Commissioners of Radnor Township conducted on this 25th day of November, 2019.

RADNOR TOWNSHIP

By: _____
Name: Lisa Borowski
Title: President

ATTEST: _____
Name: Robert A. Zienkowski
Title: Township Manager/Secretary

Radnor Township

PROPOSED LEGISLATION



DATE: November 18, 2019

TO: Board of Commissioners

FROM: Tammy Cohen, Director of Recreation & Community Programming

A handwritten signature, likely of Tammy Cohen, is located to the right of the "FROM:" line.

LEGISLATION: Resolution 2019-120 authorizing the Township to enter into an agreement with David Broida for 2020 Seasonal Tennis Programming.

LEGISLATIVE HISTORY: This is a one-time resolution that is specific to the seasonal tennis programming in 2020. Since the program enrollment is anticipated to be high enough to cause David Broida's portion to exceed \$7,500, the Charter requires that the Board formally approves the agreement.

PURPOSE AND EXPLANATION: The Recreation & Community Programming Department would like to work with David Broida to run seasonal tennis programming in 2020. It is anticipated that the enrollment for the seasonal tennis lessons will be high enough to cause David Broida's portion of the proceeds to exceed \$7,500. The purpose for the resolution is to satisfy the Charter requirement that any contract that exceeds \$7,500 must be formally approved by the Board of Commissioners.

FISCAL IMPACT: The impact of the seasonal tennis programming is that it is anticipated that the Township will generate 25% of the total programming sales (plus 100% of the non-resident fees) and that 75% of the total programming sales is contractually owed to David Broida and is estimated to be \$10,000.00 for 2020. The Township collects fee-based revenue from program participants that are aligned to cover the full cost of the proposed contract included in this Resolution. The anticipated cost for the seasonal tennis lessons with David Broida has been budgeted under the *Recreation Programming – Programs* area of the Township 2020 Budget under *Contractual Services*.

RECOMMENDED ACTION: The Administration respectfully recommends that the Board adopt this resolution at the November 25th, 2019 Board of Commissioner meeting.



Board of Commissioners
Radnor Township

Proclamation



Help Hope Live Giving Tuesday

WHEREAS, the organization Help Hope Live, a non-profit organization that helps people fundraise to pay for medical expenses that are not covered by insurance. They have been in business 36 years and are located in Radnor; and

WHEREAS, Giving Tuesday began as a response to the commercialization and consumerism of the post-Thanksgiving Black Friday shopping. The premise of Giving Tuesday is that it is a day for anyone, anywhere to give to the nonprofit of their choice; and

WHEREAS, On this day, millions of people around the world support causes and communities they believe in or live near. In 2018, Giving Tuesday raised \$400 million and elicited 14 billion social media posts; and

WHEREAS, Wells Fargo, of Pennsylvania (locally Radnor) has pledged be a Partner in Hope by covering the credit card fee for all online donations made to Help Hope Live on Giving Tuesday;

NOW, THEREFORE, the Board of Commissioners of Radnor Township proclaim Giving Tuesday in Radnor Township on December 3, 2019 and encourage residents and business owners of Radnor to participate in this globally recognized day of giving by supporting local charities like Help Hope Live. #givelocal

RESOLVED this 25th day of November 2019, A.D.

TOWNSHIP OF RADNOR, PENNSYLVANIA

Lisa Borowski, President
Radnor Township Board of Commissioners

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

ORDINANCE NO. 2019 - 15

AN ORDINANCE OF RADNOR TOWNSHIP, DELAWARE COUNTY, PENNSYLVANIA, AMENDING THE TOWNSHIP ZONING ORDINANCE TO ALLOW TOWNHOUSE DEVELOPMENTS IN CERTAIN AREAS OF THE C-3 SERVICE COMMERCIAL DISTRICT AND TO PROVIDE REGULATIONS THEREFORE

IT IS HEREBY ORDAINED AND ENACTED by the Board of Commissioners of Radnor Township, Delaware County, Pennsylvania as follows:

Section 1.

Chapter 280. Zoning

Article I. §280-4 Definitions

The definition of Dwelling in §280-4 is hereby amended to add a definition of Townhouse which shall read as follows:

(4) TOWNHOUSE

A dwelling on a lot designed and occupied exclusively as a residence for one (1) family, having independent outside access and attached to but separated from adjoining dwellings by not more than two party walls.

Article X111. C-3 Service Commercial District

§280-54. Purpose and objectives; application of regulations.

A. C-3 Service Commercial Districts make appropriate provision for a wide range of highway-oriented retail, automotive and heavier service-type business activities which ordinarily require main-highway locations and cater to transient as well as to local customers, *and for an appropriate mix of residential and nonresidential uses.* Among the objectives of C-3 Service Commercial Districts are:

(4) To buffer adjacent existing and proposed residential uses from commercial uses where there is not access to an Arterial highway.

§280-55. Use regulations.

A detached *nonresidential* building may be erected or used and a lot may be used or occupied for any one of the following *nonresidential* purposes, provided that the use and conversion of any existing dwelling *to a non-residential use* shall comply with the provisions of §280-45.

Townhouse dwelling units are permitted subject to compliance with the requirements below.

I. A townhouse development, provided the site area is located in excess of 450 feet from an arterial street, as defined in §255-6D of the Subdivision and Land Development Ordinance, and is adjacent to or across the street from a Residence District listed in §280-5. Townhouses shall meet the requirements of §280-93.

J. Accessory uses, as permitted in §280-47J.

§280-56. Area and height regulations.

A. Lot area and width. Every lot shall have a lot area of not less than 30,000 square feet, and such lot shall be not less than 150 feet in width at the building line.

(1) Lot area and width exception for townhouses. Each townhouse dwelling unit shall meet the lot and area requirements below, provided that a townhouse development may be located on a single lot provided that the development complies with §280-36 (Special regulations for multiple-dwelling groups) and either the Pennsylvania Planned Community Act or the Pennsylvania Condominium Act, and further provided that each townhouse unit demonstrates compliance with the lot area and width requirements below. Except where exceptions are provided below, townhouses shall comply with the requirements of §280-56.

Minimum lot area per dwelling unit 3,250 square feet

*Minimum lot width for
each group of townhouses 100 feet at building setback line*

*Minimum lot width
for each townhouse 30 feet*

Minimum yards:

Front-(from curb line) 25 feet

*Side (between buildings) 25 feet aggregate, 10 feet minimum
(between buildings), 25 feet from
property line for end units*

Rear 25 feet

Lot Coverage 60% maximum impervious surface

**Key- Bold and Italics = Proposed Additions to Code*

Section 2. Repealer. All ordinances or parts of ordinances which are directly inconsistent herewith are hereby repealed.

Section 3. Severability. If any section, paragraph, subsection, clause or provision of this Ordinance shall be declared invalid or unconstitutional by a court of competent jurisdiction, such decision shall not affect the validity of this Ordinance as a whole or any part thereof other than that portion specifically declared invalid.

Section 4. Effective Date. This Ordinance shall become effective in accordance with the Home Rule Charter of Radnor Township.

ENACTED and **ORDAINED** this _____ day of _____, 2020.

**RADNOR TOWNSHIP
BOARD OF COMMISSIONERS**

By: _____
Name: Lisa Borowski
Title: President

ATTEST: _____
Robert A. Zienkowski, Secretary

RESOLUTION NO. 2019-119

**A RESOLUTION OF RADNOR TOWNSHIP,
DELAWARE COUNTY, PENNSYLVANIA,
AUTHORIZING THE TOWNSHIP MANAGER
TO EXECUTE ALL DOCUMENTS
ON BEHALF OF RADNOR TOWNSHIP RELATED TO THE
PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
MULTIMODAL TRANSPORTATION FUND
TO PROVIDE A \$3,000,000 GRANT
FOR THE DARBY PAOLI MULTI USE TRAIL**

WHEREAS, those sections of the Radnor Township Darby Paoli Multi Use Trail adjacent to Darby Paoli Road, with an estimated total construction cost of \$3,500,000, is proceeding with design, with an estimated cost of \$500,000.

WHEREAS, the Township is willing to provide \$1,000,000 in matching funds, consisting of \$500,000 which has already been budgeted to cover the design cost, and another \$500,000 to cover the remaining construction cost estimate.

WHEREAS, the Township wishes to utilize the Pennsylvania Department of Transportation Multimodal Transportation Fund to provide a \$3,000,000 grant for this project. The matching funds represent a percentage in excess of the required 30% of the grant amount.

NOW, THEREFORE, be it **RESOLVED** by the Board of Commissioners of Radnor Township does hereby authorize and direct the Township Manager to execute all documents on Behalf of Radnor Township related to the Pennsylvania Department of Transportation Multimodal Transportation Fund to Provide a \$3,000,000 grant for the Darby Paoli Multi Use Trail.

SO RESOLVED this 25th day of November, A.D., 2019.

RADNOR TOWNSHIP

By: _____
Name: Lisa Borowski
Title: President

ATTEST: _____
Robert A. Zienkowski
Manager/Secretary

Radnor Township

PROPOSED LEGISLATION

DATE: November 19, 2019

TO: Radnor Township Board of Commissioners

FROM: Dennis P. Capella, Engineering Project Manager

CC: Robert A. Zienkowski, Township Manager
William M. White, Finance Director/Assistant Manager
Stephen F. Norcini, P.E., Township Engineer

LEGISLATION: Resolution #2019-119: Authorizing the Township Manager to Execute All Documents on Behalf of Radnor Township Related to the Pennsylvania Department of Transportation Multimodal Transportation Fund to Provide a \$3,000,000 Grant for the Darby Paoli Multi Use Trail

LEGISLATIVE HISTORY: This authorization to execute all documents related to the Pennsylvania Department of Transportation Multimodal Transportation Fund (MTF) Grant has not been before the Commissioners previously.

PURPOSE AND EXPLANATION: McMahon Associates has prepared cost estimates for various sections of the planned Darby Paoli Multi Use Trail and has identified MTF as a possible source of grant funds for those sections adjacent to the Darby Paoli Road. Pursuing the MTF grant will enable the Township to determine the financial viability of this project.

IMPLEMENTATION SCHEDULE: Upon approval by the Board of Commissioners, the Township Manager will execute the necessary documents for the PennDOT MTF grant. The design is proceeding concurrently, and a substantial portion of it is anticipated to be completed by the first week of December.

FISCAL IMPACT: The total estimated cost to construct those sections is \$3,500,000. The engineering and design cost of this project is estimated at \$500,000, which has already been budgeted by the Township. The Township would request a \$3,000,000 MTF grant for this project and would provide additional funds of \$500,000 for a total match of \$1,000,000 or 33% of the grant amount, exceeding the required 30%.

RECOMMENDED ACTION: *Staff requests the Board of Commissioners of Radnor Township to authorize and direct the Township Manager to Execute All Documents on Behalf of Radnor Township Related to the Pennsylvania Department of Transportation Multimodal Transportation Fund to Provide a \$3,000,000 Grant for the Darby Paoli Multi Use Trail.*



Gannett Fleming

*Excellence Delivered **As Promised***

Date: October 24, 2019

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

From: Roger Phillips, PE

RE: 501 Shadeland Road – Stormwater Waiver Request

The applicant has submitted a waiver request for construction of a 2,875 SF home, 1,815 SF driveway, 306 SF walkway, and 1,724 SF of future impervious. The applicant is demolishing the existing home and driveway. The applicant is requesting a waivers from §245-22(A)(2)(c)[2] requiring a minimum of 0.5 inches of infiltration and §245-23(D) Water Quality Requirements of the Township's Stormwater Management Ordinance.

The applicant has performed infiltration 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, the soil was wet below 6' at each test location. The applicant is proposing a stormwater detention system to meet rate control requirements on the site.

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

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 September 18, 2019.

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





Sept. 23, 2019

Mr. Steve Norcini
Radnor Township
301 Iven Ave.
Wayne, PA 19087

Re: 501 Shadeland Rd.
Stormwater infiltration
Waiver request

Dear Mr. Norcini,

I am writing on behalf of 501 Shadeland Road LLC concerning the proposed development at 501 Shadeland Rd. The project consists of the removal of the existing residence and construction of a new single-family home. Infiltration tests conducted by Delaware Valley Septics, Inc. for the proposed stormwater seepage bed revealed soil conditions that are unsuitable for recharge. All test locations on the property yielded an infiltration rate of 0 in./hr. The basin has been re-designed to meet all the release rate criteria, but no recharge volume or water quality volume can be provided. The applicant is requesting waivers from the provisions of Section 245-22(A)(2)(c)[2] requiring a minimum of 0.50 inches of infiltration, and section 245-23(D) requiring treatment of a volume of water for water quality.

Attached are the revised plans, revised stormwater calculations and test results.

Please call or email if you have any questions.

Sincerely,

Robert K. Wager, P.E.

501 Shadeland Road
Radnor Township
Stormwater Management Calculations

Addendum 9/16/19

RKW Engineering Services, Inc.
1610 Pelham Ave.
Havertown, PA 19083
(610) 642-0961

501 Shadeland Road
Radnor Township

Stormwater Management Calculations

Introduction

The basin was sized to control the runoff from the proposed construction of a new single-family home on an existing lot. The proposed condition has 3618 s.f. of impervious surface. The proposed new impervious surface area is 6720 s.f., including 1724 s.f. of future impervious surface.

The infiltration tests showed that the soils were not suitable for groundwater recharge, so the basin outlet was re-designed to empty without infiltration.

All calculations are based on the Rational Method. All hydrograph generation and basin routing were done using a stormwater modeling program called "HydroCAD" by Applied Microcomputer Systems.

Soils and Runoff Coefficients

The predominant soil type on the site Glenelg channery silt loam (hydrologic group B). The coefficients used are as follows:

Lawn (good condition)	0.30
Impervious surface	0.90

Rainfall

The peak discharges for the pre-development condition are based on a storm of 5-minute duration. The peak basin discharges occurred during a 30-minute duration storm. The rainfall intensities for a 5-minute duration storm and 30-minute duration storm are taken from Figure 10.4.2(e) for Region 5 of the PennDOT Design Manual, Part 2 (attached).

<u>Storm Frequency (yr.)</u>	<u>5-min (in./hr.)</u>	<u>30 min.(in./hr.)</u>
1	4.1	2.2
2	4.6	2.6
5	5.5	3.2
10	6.0	3.5
25	6.8	4.1
50	6.8	4.8
100	8.4	5.5

Narrative

The project is located in Watershed B-2. The basin was sized and the outlet designed so that the post development discharges did not exceed the pre-development discharges for the following storms:

<u>Post-Development Storm</u>	less than	<u>Pre-Development Storm</u>
100		100
50		10
25		5
5		2
2		1

Infiltration Test

Infiltration tests were performed by Delaware Valley Septics, Inc. on Sept. 14, 2019 at several locations. All test sites indicated an infiltration rate of 0 in./hr. The basin outlet structure has been re-designed.

Water Quality Requirements

$$\text{Water Quality Volume} = \text{WQv} = ((P)(R_v)(A))/12$$

$$P = 1 \text{ in.}$$

$$A = 6363 \text{ s.f.} \quad \text{Imp.} = 6363 \text{ s.f.}$$

$$I = 100.00 \%$$

$$R_v = 0.95$$

$$\text{WQv} = 504 \text{ c.f.} \quad \text{Provided} = 0 \text{ c.f.}$$

Rational - Intensity

DURATION (MIN.) STORM	RATIONAL METHOD RAINFALL INTENSITY INTENSITY (IN./HR.)							
	5	10	20	30	45	60	90	120
100	8.4	7.0	5.5	4.5	3.6	3.0	2.2	1.9
50	7.5	6.3	4.8	4.0	3.2	2.6	2.0	1.6
25	6.8	5.5	4.1	3.3	2.6	2.2	1.7	1.4
10	6.1	4.8	3.5	2.8	2.3	1.9	1.4	1.2
5	5.5	4.4	3.2	2.5	2.0	1.6	1.2	1.0
2	4.6	3.6	2.6	2.1	1.6	1.4	1.0	0.8
1	4.0	3.1	2.2	1.7	1.4	1.1	0.8	0.7

501 Shadeland Rd.
Radnor Township

9/16/2019

Detention Basin

Storm year	Pre-devel cfs	Post-Devel Uncontrolled cfs	Allowable Discharge cfs	Basin Discharge cfs
100	0.65	0.05	0.60	0.48
50	*	0.04	0.43	0.43
25	*	0.04	0.39	0.30
10	0.47	*	*	*
5	0.43	0.03	0.33	0.25
2	0.36	0.03	0.28	0.22
1	0.31	*	*	*



504 Eagle Road, Suite B

Springfield, PA 19064

844-4DELVAL

dvs@delvalseptics.com

www.4DELVAL.com

PERCOLATION REPORT

Client: Paolino Development
 Location: 501 Shadeland Road (Driveway Side)
 Municipality: Radnor County: Delaware
 Date: September 14, 2019 Degrees: 80 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	5		30			0	0	0	0				
#2	6		30			0	0	0	0				
#3													
#4													
#5													
#6													

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

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

NOTES
No Limiting Zone to 8'
Soil was wet from 6' down Gleyding found at 6'.

RUN RATE=	0.00
-----------	------

19038 POST-2

Prepared by RKW Engineering Services, Inc.

HydroCAD® 8.50 s/n 001511 © 2007 HydroCAD Software Solutions LLC

Rainfall Duration=30 min, Inten=4.50 in/hr

Printed 9/16/2019

Page 1

Summary for Subcatchment 1S: POST-DEVELOPMENT - 100 YR.

Runoff = 0.60 cfs @ 0.10 hrs, Volume= 1,074 cf, Depth= 2.03"

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-2.00 hrs, dt= 0.01 hrs

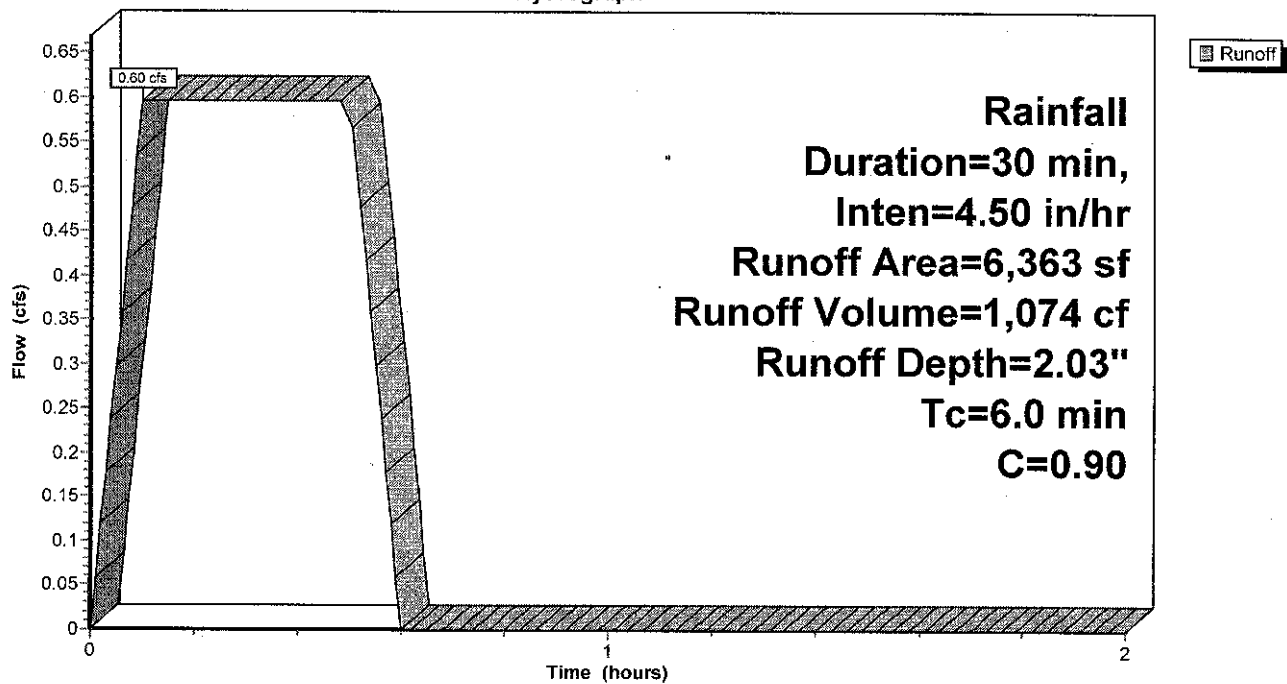
Rainfall Duration=30 min, Inten=4.50 in/hr

Area (sf)	C	Description
6,363	0.90	IMPERVIOUS
6,363		Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment 1S: POST-DEVELOPMENT - 100 YR.

Hydrograph



Summary for Pond 2P: SEEPAGE BED/ DETENTION BASIN

Inflow Area = 6,363 sf, 0.00% Impervious, Inflow Depth = 2.03"
 Inflow = 0.60 cfs @ 0.10 hrs, Volume= 1,074 cf
 Outflow = 0.48 cfs @ 0.52 hrs, Volume= 1,074 cf, Atten= 19%, Lag= 25.1 min
 Primary = 0.48 cfs @ 0.52 hrs, Volume= 1,074 cf

Routing by Stor-Ind method, Time Span= 0.00-2.00 hrs, dt= 0.01 hrs / 3

Peak Elev= 349.99' @ 0.52 hrs Surf.Area= 271 sf Storage= 480 cf

Plug-Flow detention time= 14.9 min calculated for 1,068 cf (100% of inflow)

Center-of-Mass det. time= 15.0 min (33.0 - 18.0)

Volume	Invert	Avail.Storage	Storage Description"
#1	347.80'	855 cf	48.0"D x 34.00'L Horizontal Cylinder x 2

Device	Routing	Invert	Outlet Devices
#1	Primary	349.50'	3.0" Vert. Orifice/Grate C= 0.600
#2	Primary	347.80'	3.0" Vert. Orifice/Grate C= 0.600

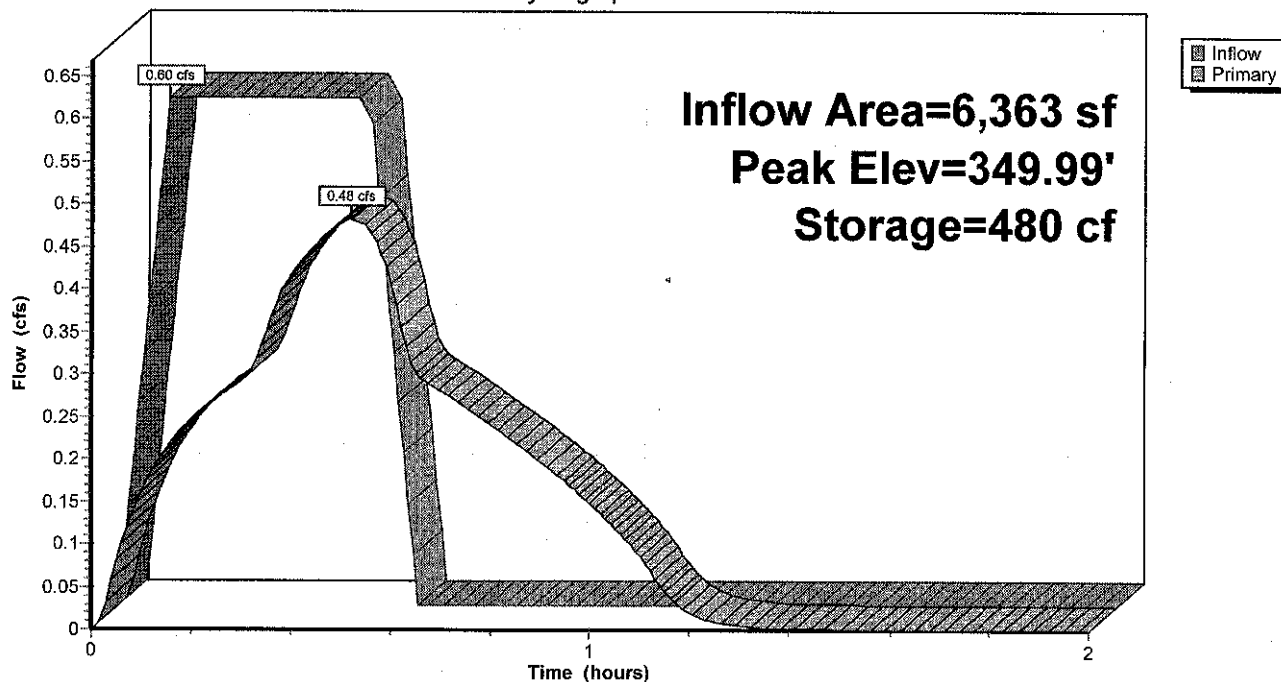
Primary OutFlow Max=0.48 cfs @ 0.52 hrs HW=349.99' (Free Discharge)

1=Orifice/Grate (Orifice Controls 0.14 cfs @ 2.92 fps)

2=Orifice/Grate (Orifice Controls 0.34 cfs @ 6.92 fps)

Pond 2P: SEEPAGE BED/ DETENTION BASIN

Hydrograph



19038 POST-2

Prepared by RKW Engineering Services, Inc.

HydroCAD® 8.50 s/n 001511 © 2007 HydroCAD Software Solutions LLC

Rainfall Duration=30 min, Inten=4.00 in/hr

Printed 9/16/2019

Page 1

Summary for Subcatchment 1S: POST-DEVELOPMENT - 50 YR.

Runoff = 0.53 cfs @ 0.10 hrs, Volume= 954 cf, Depth= 1.80"

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-2.00 hrs, dt= 0.01 hrs

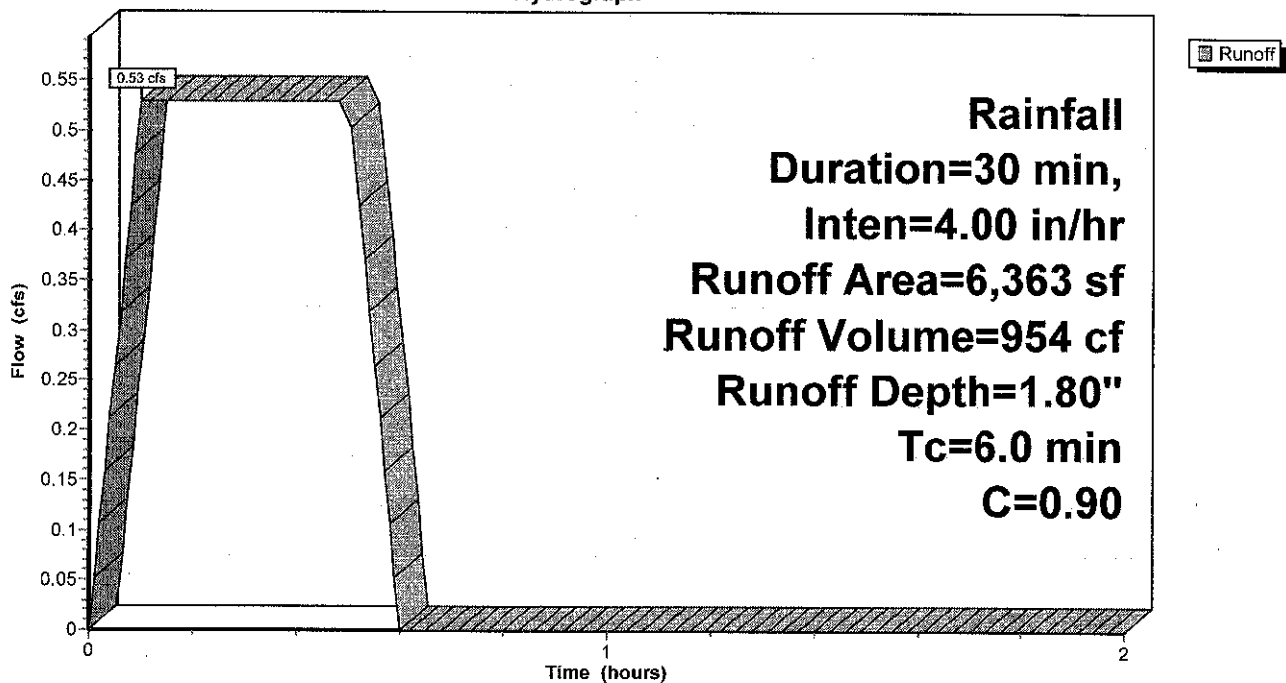
Rainfall Duration=30 min, Inten=4.00 in/hr

Area (sf)	C	Description
6,363	0.90	IMPERVIOUS
6,363		Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment 1S: POST-DEVELOPMENT - 50 YR.

Hydrograph



Summary for Pond 2P: SEEPAGE BED/ DETENTION BASIN

Inflow Area = 6,363 sf, 0.00% Impervious, Inflow Depth = 1.80"
 Inflow = 0.53 cfs @ 0.10 hrs, Volume= 954 cf
 Outflow = 0.43 cfs @ 0.52 hrs, Volume= 954 cf, Atten= 20%, Lag= 25.2 min
 Primary = 0.43 cfs @ 0.52 hrs, Volume= 954 cf

Routing by Stor-Ind method, Time Span= 0.00-2.00 hrs, dt= 0.01 hrs / 3

Peak Elev= 349.81' @ 0.52 hrs Surf.Area= 272 sf Storage= 430 cf

Plug-Flow detention time= 14.9 min calculated for 954 cf (100% of inflow)

Center-of-Mass det. time= 14.8 min (32.8 - 18.0)

Volume	Invert	Avail.Storage	Storage Description
#1	347.80'	855 cf	48.0"D x 34.00'L Horizontal Cylinder x 2

Device	Routing	Invert	Outlet Devices
#1	Primary	349.50'	3.0" Vert. Orifice/Grate C= 0.600
#2	Primary	347.80'	3.0" Vert. Orifice/Grate C= 0.600

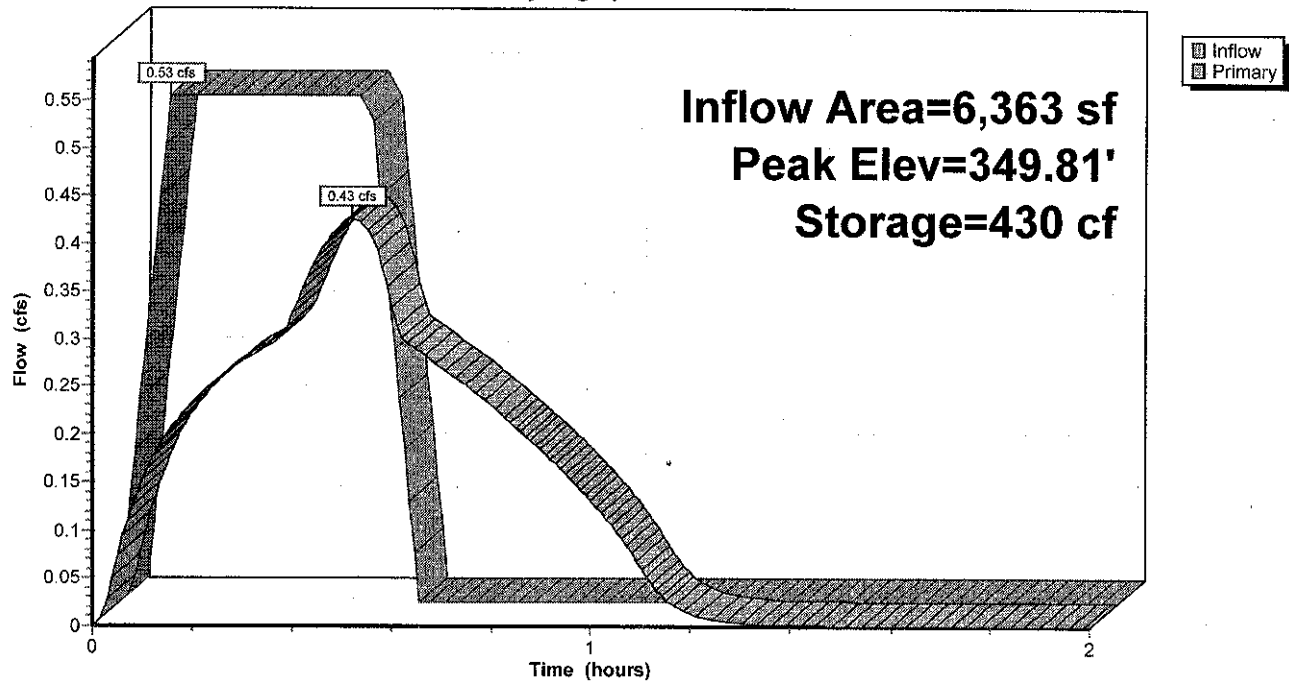
Primary OutFlow Max=0.43 cfs @ 0.52 hrs HW=349.81' (Free Discharge)

1=Orifice/Grate (Orifice Controls 0.10 cfs @ 2.08 fps)

2=Orifice/Grate (Orifice Controls 0.32 cfs @ 6.61 fps)

Pond 2P: SEEPAGE BED/ DETENTION BASIN

Hydrograph



19038 POST-2

Prepared by RKW Engineering Services, Inc.

HydroCAD® 8.50 s/n 001511 © 2007 HydroCAD Software Solutions LLC

Rainfall Duration=30 min, Inten=3.30 in/hr

Printed 9/16/2019

Page 1

Summary for Subcatchment 1S: POST-DEVELOPMENT - 25 YR.

Runoff = 0.44 cfs @ 0.10 hrs, Volume= 787 cf, Depth= 1.49"

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-2.00 hrs, dt= 0.01 hrs

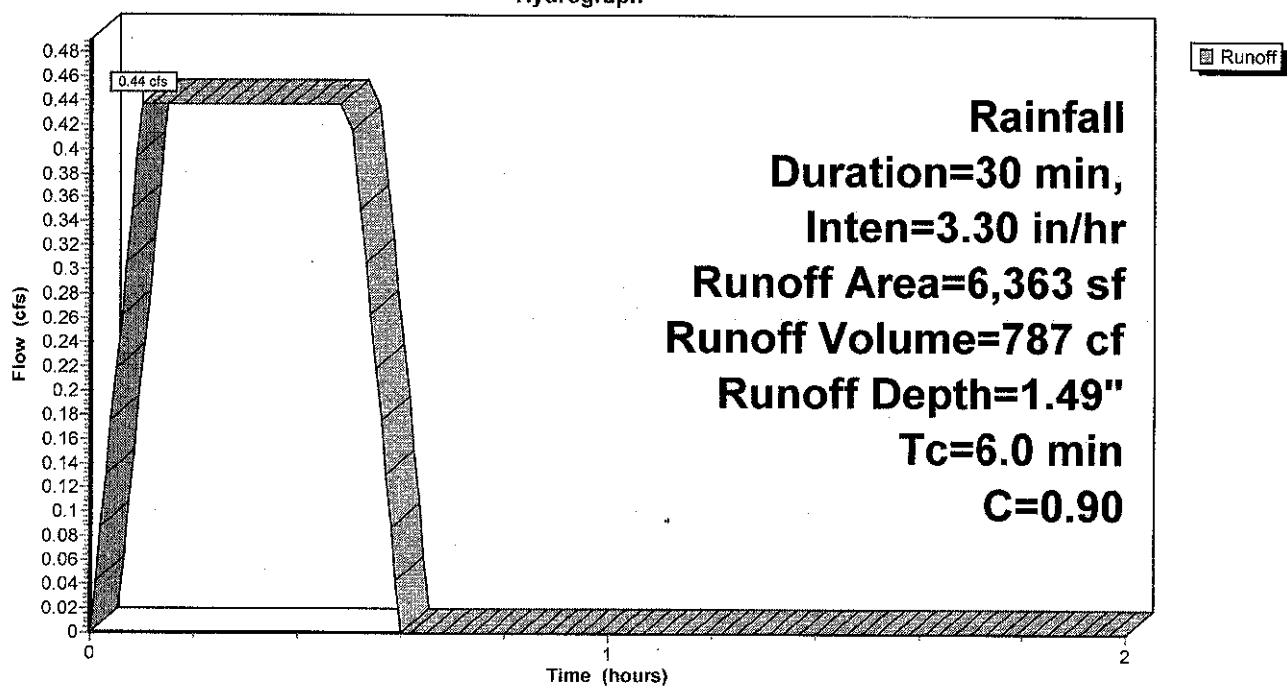
Rainfall Duration=30 min, Inten=3.30 in/hr

Area (sf)	C	Description
6,363	0.90	IMPERVIOUS
6,363		Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment 1S: POST-DEVELOPMENT - 25 YR.

Hydrograph



Summary for Pond 2P: SEEPAGE BED/ DETENTION BASIN

Inflow Area = 6,363 sf, 0.00% Impervious, Inflow Depth = 1.49"
 Inflow = 0.44 cfs @ 0.10 hrs, Volume= 787 cf
 Outflow = 0.30 cfs @ 0.53 hrs, Volume= 787 cf, Atten= 32%, Lag= 25.9 min
 Primary = 0.30 cfs @ 0.53 hrs, Volume= 787 cf

Routing by Stor-Ind method, Time Span= 0.00-2.00 hrs, dt= 0.01 hrs / 3

Peak Elev= 349.51' @ 0.53 hrs Surf.Area= 269 sf Storage= 349 cf

Plug-Flow detention time= 13.8 min calculated for 784 cf (100% of inflow)

Center-of-Mass det. time= 14.0 min (32.0 - 18.0)

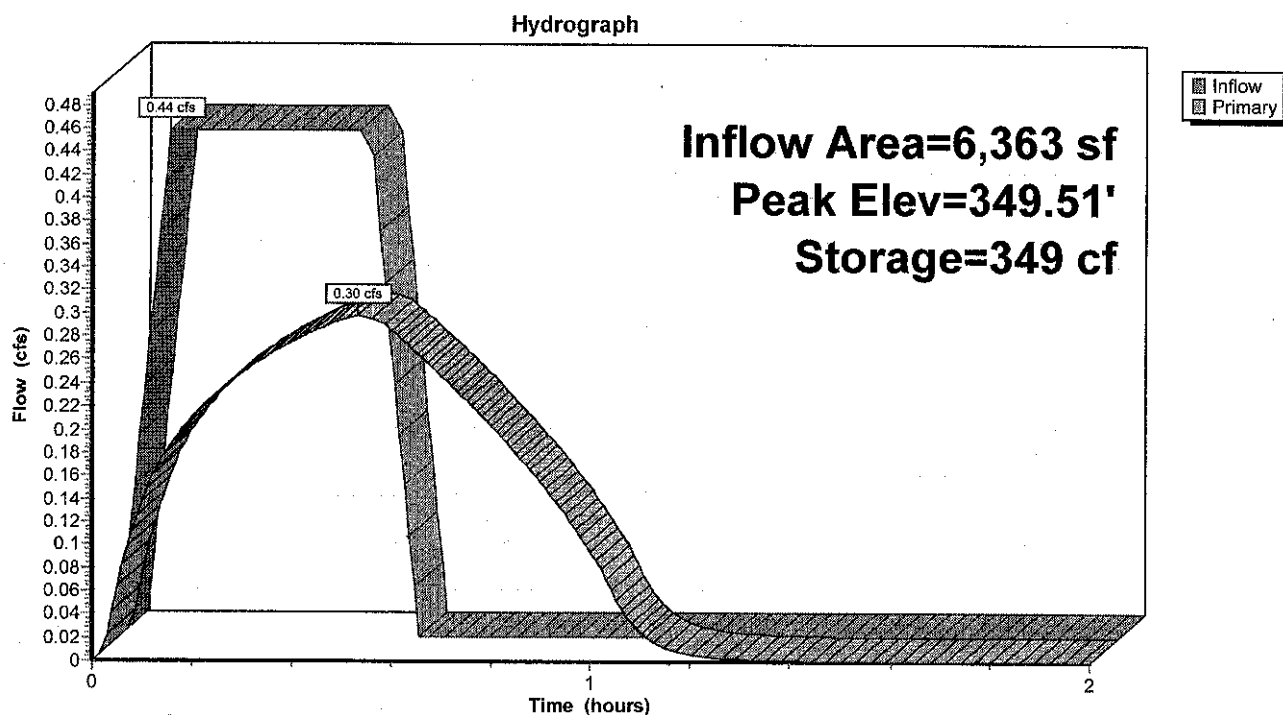
Volume	Invert	Avail.Storage	Storage Description
#1	347.80'	855 cf	48.0"D x 34.00'L Horizontal Cylinder x 2

Device	Routing	Invert	Outlet Devices
#1	Primary	349.50'	3.0" Vert. Orifice/Grate C= 0.600
#2	Primary	347.80'	3.0" Vert. Orifice/Grate C= 0.600

Primary OutFlow Max=0.30 cfs @ 0.53 hrs HW=349.51' (Free Discharge)

1=Orifice/Grate (Orifice Controls 0.00 cfs @ 0.36 fps)

2=Orifice/Grate (Orifice Controls 0.30 cfs @ 6.06 fps)

Pond 2P: SEEPAGE BED/ DETENTION BASIN

Summary for Subcatchment 1S: POST-DEVELOPMENT - 5 YR.

Runoff = 0.33 cfs @ 0.10 hrs, Volume= 597 cf, Depth= 1.13"

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-2.00 hrs, dt= 0.01 hrs

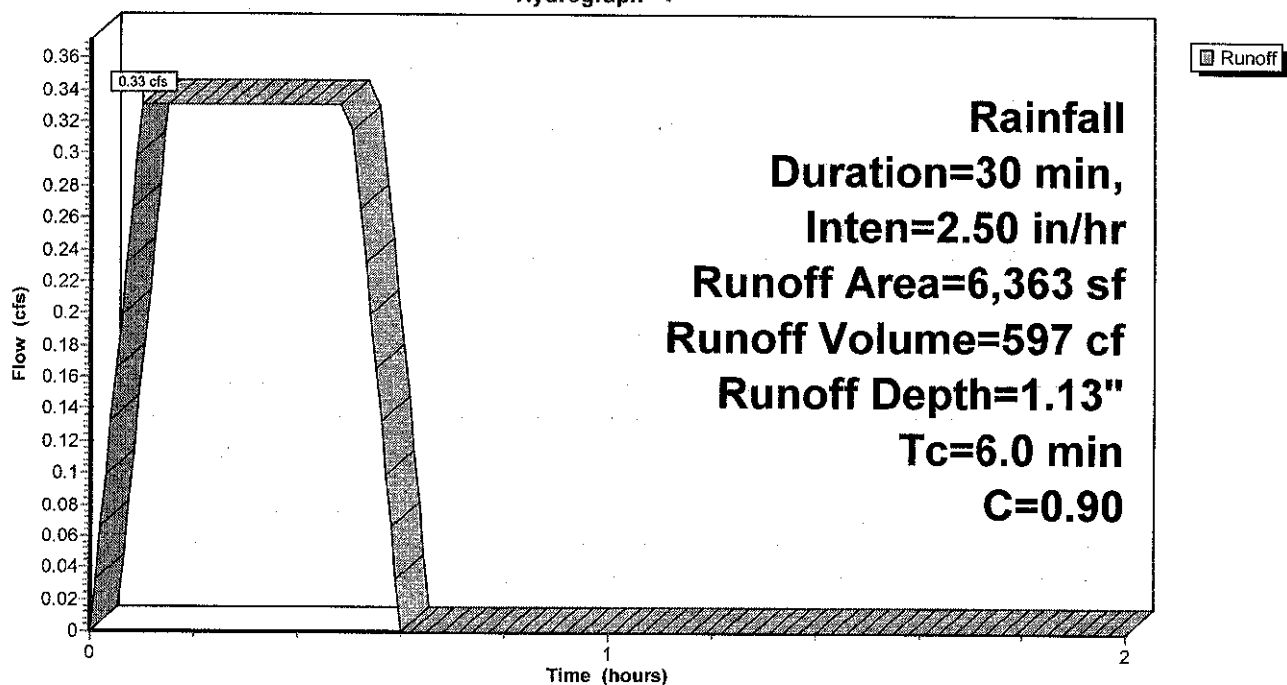
Rainfall Duration=30 min, Inten=2.50 in/hr

Area (sf)	C	Description
6,363	0.90	IMPERVIOUS
6,363		Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment 1S: POST-DEVELOPMENT - 5 YR.

Hydrograph



Summary for Pond 2P: SEEPAGE BED/ DETENTION BASIN

Inflow Area = 6,363 sf, 0.00% Impervious, Inflow Depth = 1.13"
 Inflow = 0.33 cfs @ 0.10 hrs, Volume= 597 cf
 Outflow = 0.25 cfs @ 0.52 hrs, Volume= 597 cf, Atten= 25%, Lag= 25.5 min
 Primary = 0.25 cfs @ 0.52 hrs, Volume= 597 cf

Routing by Stor-Ind method, Time Span= 0.00-2.00 hrs, dt= 0.01 hrs / 3

Peak Elev= 349.05' @ 0.52 hrs Surf.Area= 252 sf Storage= 227 cf

Plug-Flow detention time= 11.0 min calculated for 594 cf (100% of inflow)

Center-of-Mass det. time= 11.1 min (29.1 - 18.0)

Volume	Invert	Avail.Storage	Storage Description
#1	347.80'	855 cf	48.0"D x 34.00'L Horizontal Cylinder x 2

Device	Routing	Invert	Outlet Devices
#1	Primary	349.50'	3.0" Vert. Orifice/Grate C= 0.600
#2	Primary	347.80'	3.0" Vert. Orifice/Grate C= 0.600

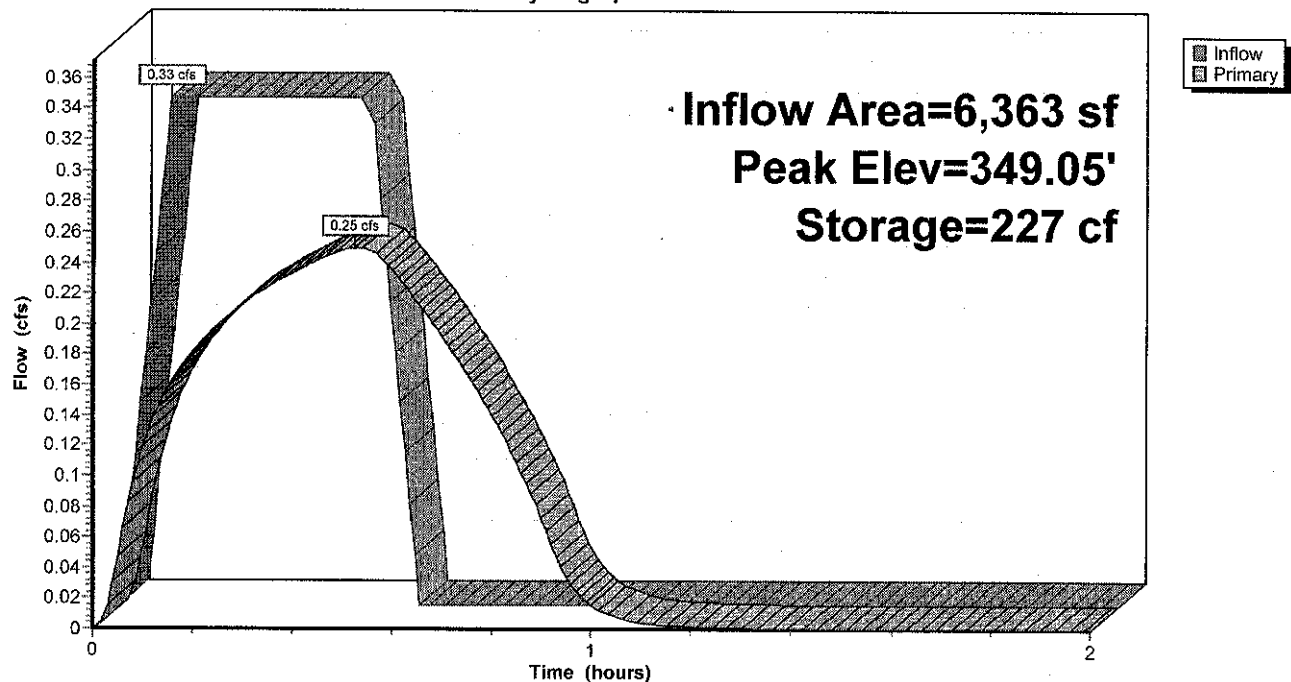
Primary OutFlow Max=0.25 cfs @ 0.52 hrs HW=349.04' (Free Discharge)

1=Orifice/Grate (Controls 0.00 cfs)

2=Orifice/Grate (Orifice Controls 0.25 cfs @ 5.10 fps)

Pond 2P: SEEPAGE BED/ DETENTION BASIN

Hydrograph



19038 POST-2

Prepared by RKW Engineering Services, Inc.

HydroCAD® 8.50 s/n 001511 © 2007 HydroCAD Software Solutions LLC

Rainfall Duration=30 min, Inten=2.10 in/hr

Printed 9/16/2019

Page 1

Summary for Subcatchment 1S: POST-DEVELOPMENT - 2 YR.

Runoff = 0.28 cfs @ 0.10 hrs, Volume= 501 cf, Depth= 0.95"

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-2.00 hrs, dt= 0.01 hrs

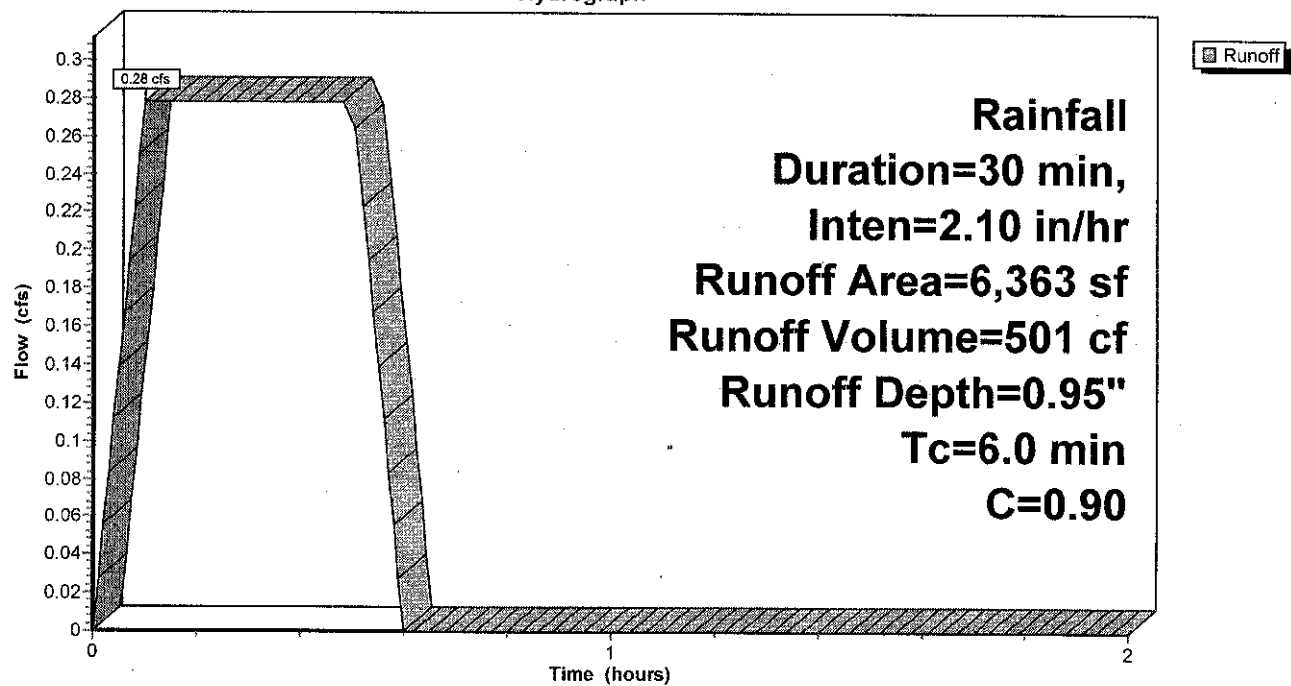
Rainfall Duration=30 min, Inten=2.10 in/hr

Area (sf)	C	Description
6,363	0.90	IMPERVIOUS
6,363		Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment 1S: POST-DEVELOPMENT - 2 YR.

Hydrograph



Summary for Pond 2P: SEEPAGE BED/ DETENTION BASIN

Inflow Area = 6,363 sf, 0.00% Impervious, Inflow Depth = 0.95"
 Inflow = 0.28 cfs @ 0.10 hrs, Volume= 501 cf
 Outflow = 0.22 cfs @ 0.52 hrs, Volume= 501 cf, Atten= 20%, Lag= 25.2 min
 Primary = 0.22 cfs @ 0.52 hrs, Volume= 501 cf

Routing by Stor-Ind method, Time Span= 0.00-2.00 hrs, dt= 0.01 hrs / 3

Peak Elev= 348.82' @ 0.52 hrs Surf.Area= 237 sf Storage= 171 cf

Plug-Flow detention time= 9.5 min calculated for 499 cf (99% of inflow)

Center-of-Mass det. time= 9.6 min (27.6 - 18.0)

Volume	Invert	Avail.Storage	Storage Description
#1	347.80'	855 cf	48.0"D x 34.00'L Horizontal Cylinder x 2

Device	Routing	Invert	Outlet Devices
#1	Primary	349.50'	3.0" Vert. Orifice/Grate C= 0.600
#2	Primary	347.80'	3.0" Vert. Orifice/Grate C= 0.600

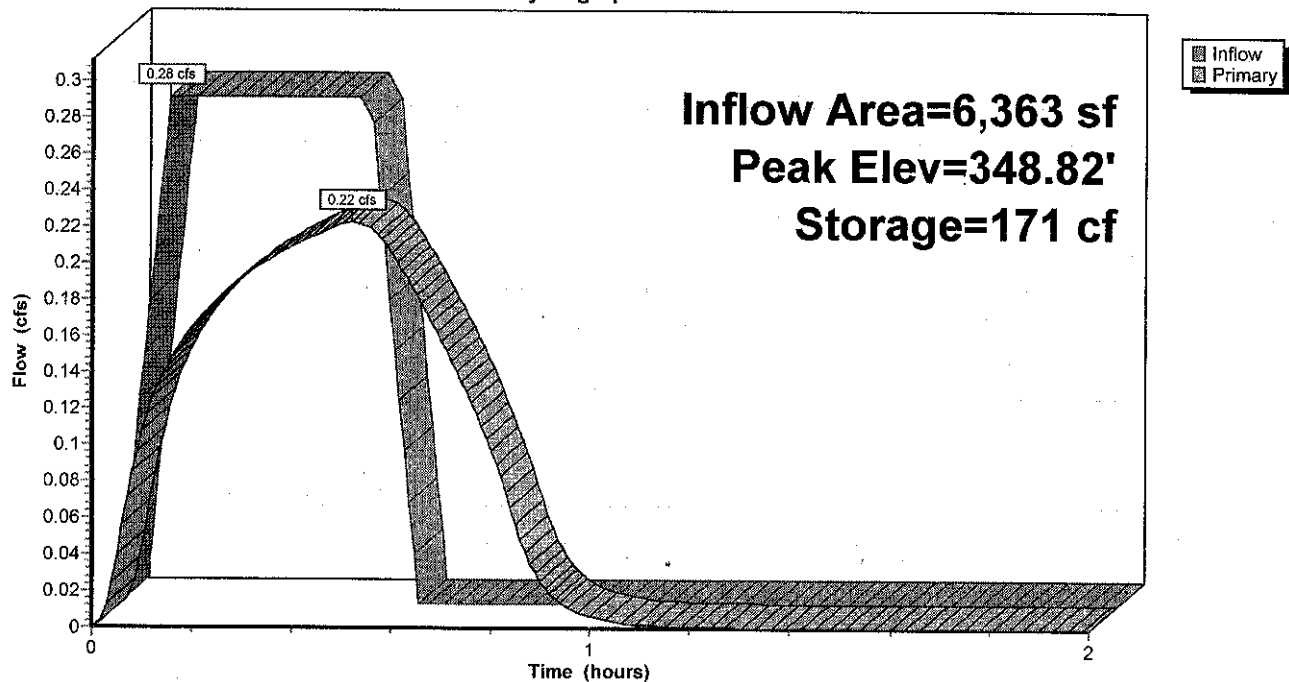
Primary OutFlow Max=0.22 cfs @ 0.52 hrs HW=348.82' (Free Discharge)

1=Orifice/Grate (Controls 0.00 cfs)

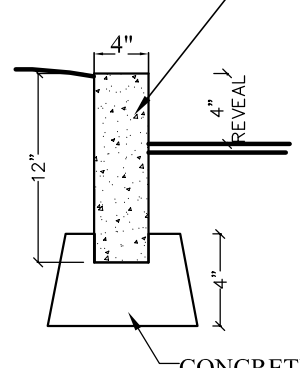
2=Orifice/Grate (Orifice Controls 0.22 cfs @ 4.54 fps)

Pond 2P: SEEPAGE BED/ DETENTION BASIN

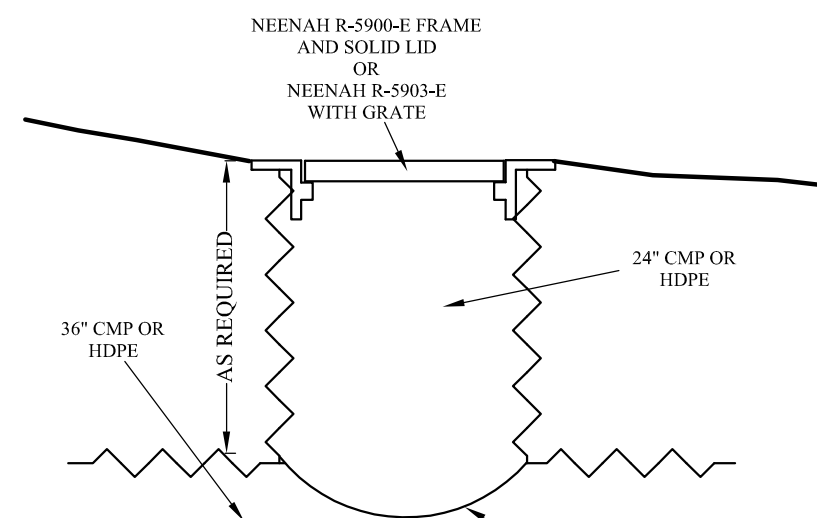
Hydrograph



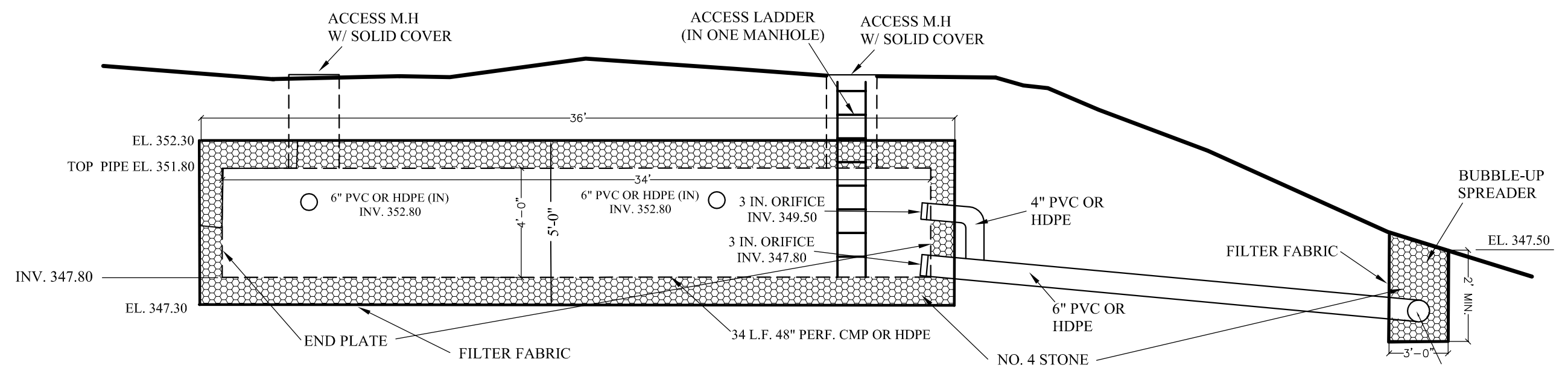
GRANITE BLOCK OR CONCRETE PAVERS
WITH MORTARED JOINTS



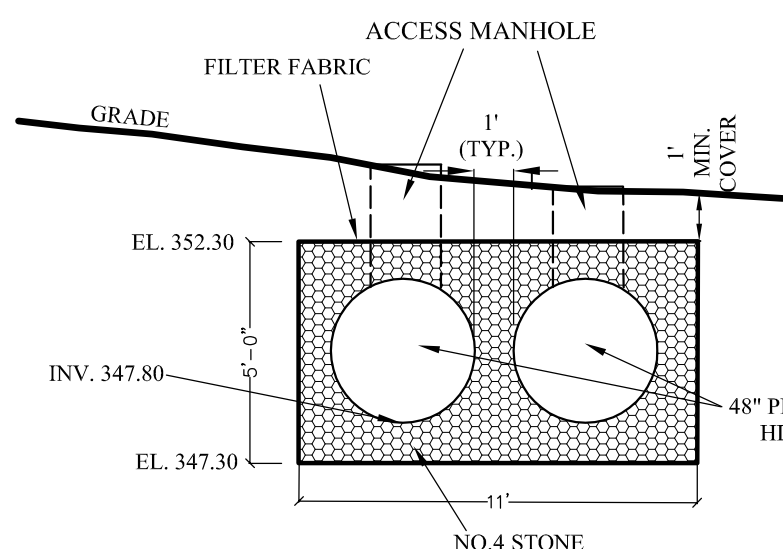
DRIVEWAY CURB DETAIL
NO SCALE



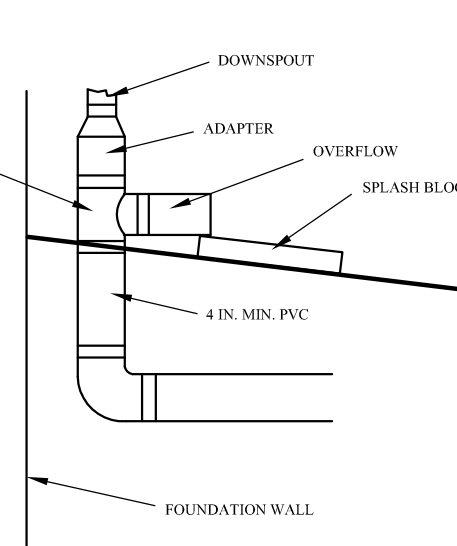
ACCESS MANHOLE
N.T.S.



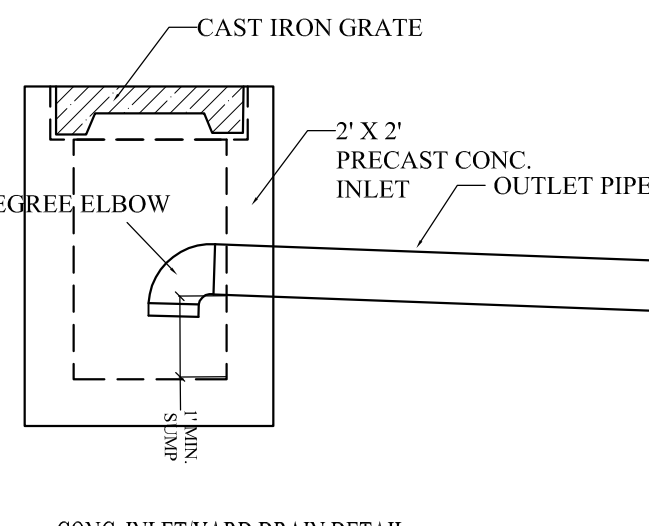
SEEPAGE BED LONGITUDINAL SECTION
N.T.S.



SEEPAGE BED X-SECTION
N.T.S.



DOWNSPOUT DETAIL
NO SCALE



CONC. INLET YARD DRAIN DETAIL
NO SCALE

CONSTRUCTION STAGING

EROSION AND SEDIMENT CONTROLS MUST BE CONSTRUCTED, STABILIZED AND FUNCTIONAL BEFORE GENERAL SITE DISTURBANCE MAY BEGIN. ONLY LIMITED DISTURBANCE WILL BE PERMITTED FOR THE CONSTRUCTION OF THE SEDIMENT CONTROL FACILITIES. CONSTRUCTION PROCEDURES AND STAGING MUST BE ADHERED TO CAREFULLY TO MINIMIZE THE TIME THAT SOIL IS EXPOSED TO EROSION. CONSTRUCTION IS TO BE STAGED AS FOLLOWS:

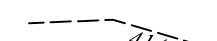
1. PLACE SEDIMENT CONTROL BARRIERS IMMEDIATELY DOWNHILL OF EARTHMOVING ACTIVITIES.
2. CLEAR AND GRUB CONSTRUCTION AREA, REMOVING THE MINIMUM AMOUNT OF VEGETATION NECESSARY FOR CONSTRUCTION.
3. STRIP AND STOCKPILE TOPSOIL FROM CONSTRUCTION AREA.
4. THE TOPSOIL STOCKPILE SHALL BE TEMPORARILY SEEDED WITH ANNUAL RYE GRASS AT A RATE OF 4 LBS. PER 1000 SQ. FT.
5. DE-ACTIVATE EXISTING UTILITIES.
6. DEMOLISH EXISTING HOUSE AND REMOVE DEBRIS FROM SITE.
7. EXCAVATE FOR FOUNDATION.
8. CONSTRUCT BUILDING.
9. INSTALL PIPING AND UTILITIES.
10. GRADE AND STONE NEW DRIVEWAY.
11. PAVE NEW DRIVEWAY.
12. CONSTRUCT SEEPAGE BED.
13. SPREAD TOPSOIL AND FINISH GRADE.
14. REMOVE EXISTING DRIVEWAY.
15. SEED AND MULCH DISTURBED AREAS IN ACCORDANCE WITH PADOT FORMULA B.
16. REMOVE EROSION AND SEDIMENTATION CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

GENERAL NOTES

1. THE CONTRACTOR SHALL COMPLY WITH ALL LEGAL AND SAFETY REQUIREMENTS GOVERNING THE WORK SHOWN.
2. THE CONTRACTOR MUST VERIFY THE LOCATIONS AND DEPTHS OF ALL UNDERGROUND FACILITIES BEFORE THE START OF WORK.
3. GEOTEXTILE FILTER FABRIC SEDIMENT CONTROL BARRIERS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.
4. DISTURBED AREAS THAT WILL REMAIN EXPOSED FOR MORE THAN 20 DAYS SHALL BE MULCHED AND SEEDED.
5. ALL ROOF DRAINS ARE TO BE TIED TO BASIN.
6. ALL TREES WITHIN 10 FEET OF THE PROPERTY LINE HAVE BEEN LOCATED.
7. ALL TREE ROOTS DISTURBED DURING CONSTRUCTION ACTIVITIES SHALL BE CUT CLEANLY.
8. NO TIRE CLEANER IS PROPOSED. THE EXISTING DRIVEWAY WILL BE USED AS THE CONSTRUCTION ENTRANCE. THE TIRES OF CONSTRUCTION VEHICLES WILL BE WASHED BEFORE ENTERING PUBLIC ROADS. IF THE EXISTING DRIVEWAY IS INSUFFICIENT IN PREVENTING SEDIMENT FROM LEAVING THE SITE, THEN IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL A CONSTRUCTION ENTRANCE.

LEGEND

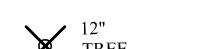
EXIST. CONTOUR



PROP. CONTOUR



EXIST. TREE
TO BE REMOVED



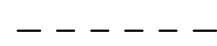
SILT FENCE



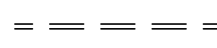
TREE PROTECTION
FENCE



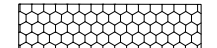
UTILITIES



PROP. STORM DRAINS



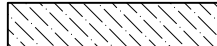
CONSTRUCTION ENTRANCE
TIRE CLEANER



PROPERTY LINES



STEEP SLOPES 14% TO 20%

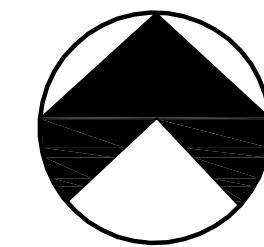
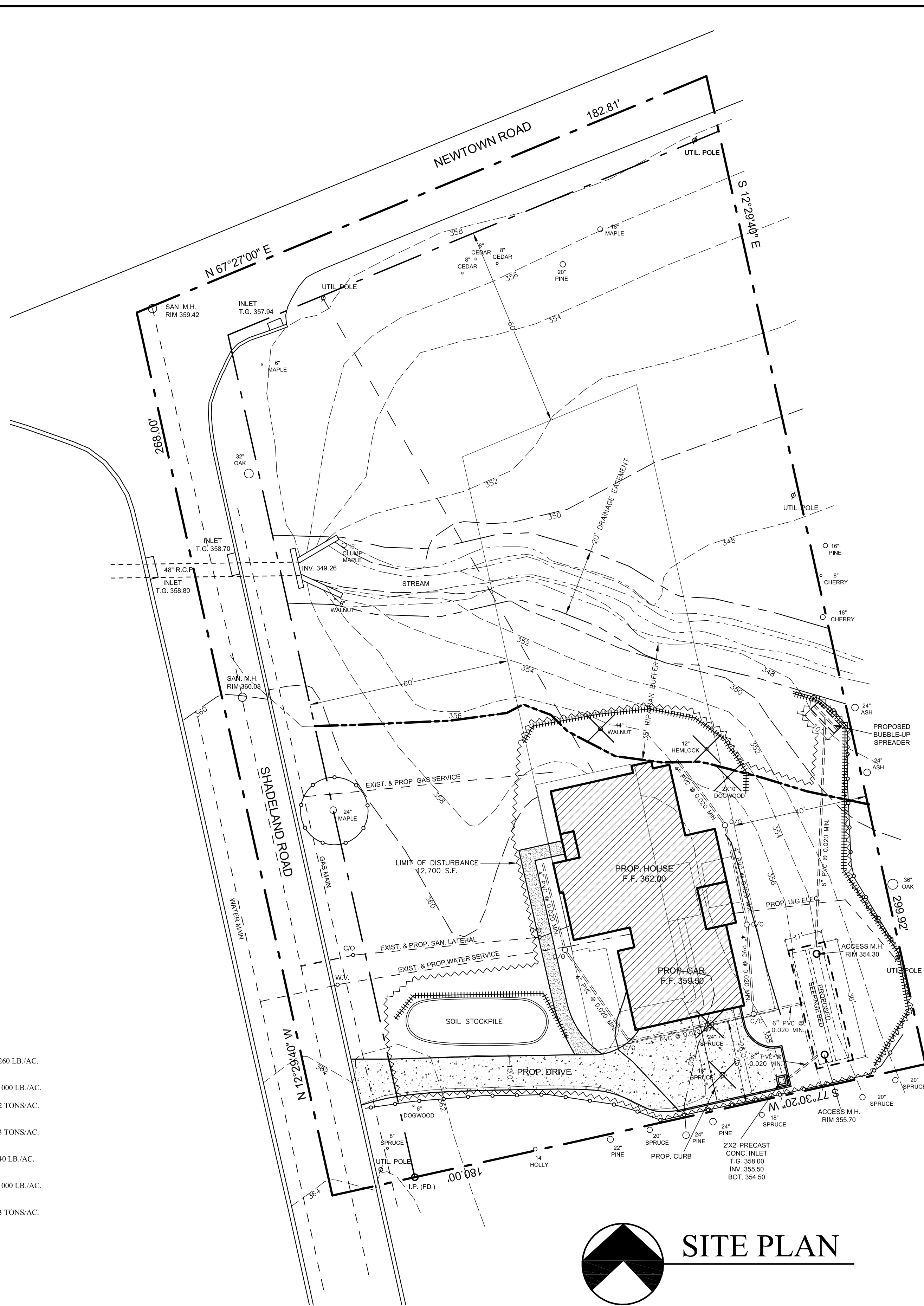


STEEP SLOPES OVER 20%



SEEDING SPECIFICATIONS

PERMANENT SEEDING 60% KENTUCKY BLUEGRASS 30% RED FESCUE 10% PERENNIAL RYE GRASS	260 LB./AC.
FERTILIZER 10-20-20	1000 LB./AC.
LIME	2 TONS/AC.
MULCH HAY OR STRAW	3 TONS/AC.
TEMPORARY SEEDING ANNUAL RYEGRASS	40 LB./AC.
FERTILIZER 5-5-5	1000 LB./AC.
MULCH HAY OR STRAW	3 TONS/AC.



SITE PLAN

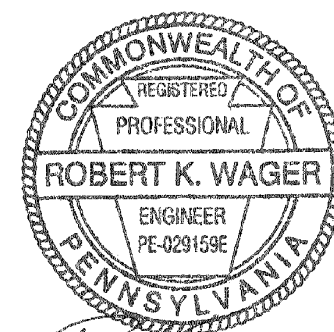
I, _____, THE APPLICANT, DO HEREBY
ACKNOWLEDGE THAT ANY REVISION TO THE APPROVED DRAINAGE
PLAN MUST BE APPROVED BY THE RADNOR TOWNSHIP.

DATE

I, ROBERT K. WAGER, P.E., ON THIS DATE, HEREBY CERTIFY THAT THE
DRAINAGE PLAN MEETS ALL DESIGN STANDARDS AND CRITERIA OF THE
RADNOR TOWNSHIP STORMWATER MANAGEMENT ORDINANCE.

DATE 9/16/19

SHEET 1 OF 2



LOCATION MAP

1" = 2000'

LOT AREA: 51,113 S.F.

ZONING REGULATIONS

R-1 ZONING DISTRICT	
LOT AREA	1 ACRE (43,560 S.F. MIN.)
LOT FRONTAGE	120 FT. MIN.
BLDG. AREA	15% MAX.
FRONT YARD	60 FT. MIN.
SIDE YARD	25 FT. MIN., 60 FT. AGG.
REAR YARD	40 FT. MIN.
IMPERVIOUS COVER	22% MAX.
BLDG. HEIGHT	35 FT. MAX.

IMPERVIOUS COVER

EXISTING

HOUSE	1910 S.F.
DRIVEWAY	1350 S.F.
WALK	292 S.F.
SHED	66 S.F.
TOTAL IMPERVIOUS	3618 S.F. (7.08%)
TOTAL BLDG. AREA	1910 S.F. (3.74%)

IMPERVIOUS COVER

PROPOSED

HOUSE	2875 S.F.
DRIVE	1815 S.F.
WALK	306 S.F.
TOTAL IMPERVIOUS COVER:	4996 S.F. (9.77%)
TOTAL BLDG. COVERAGE:	2875 S.F. (5.62%)

NOTE: THE SEEPAGE BED/DETENTION BASIN WAS DESIGNED FOR
1724 S.F. OF FUTURE IMPERVIOUS (A TOTAL OF 6720 S.F. OR 13.15 %). ALL
FUTURE IMPERVIOUS COVER SHALL HAVE RUNOFF PIPED DIRECTLY TO
THE SEEPAGE BED AND WILL REQUIRE A GRADING PERMIT.

SOILS:

GnB2- GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY
ERODED,
HYDROLOGIC GROUP B.

GcC2, GLENELG CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES,
MODERATELY ERODED, HYDROLOGIC GROUP B.

NOTE:

5 TREES ARE TO BE REMOVED

APPLICANT/EQUITABLE OWNER:

501 SHADELAND ROAD LLC
623 CONESTOGA RD.
VILLANOVA, PA 19085

NOTES:

PHYSICAL FEATURES FROM FIELD SURVEY BY RWK ENGINEERING
SERVICES, INC., JULY, 2019.

REVISED BASIN

9-16-19

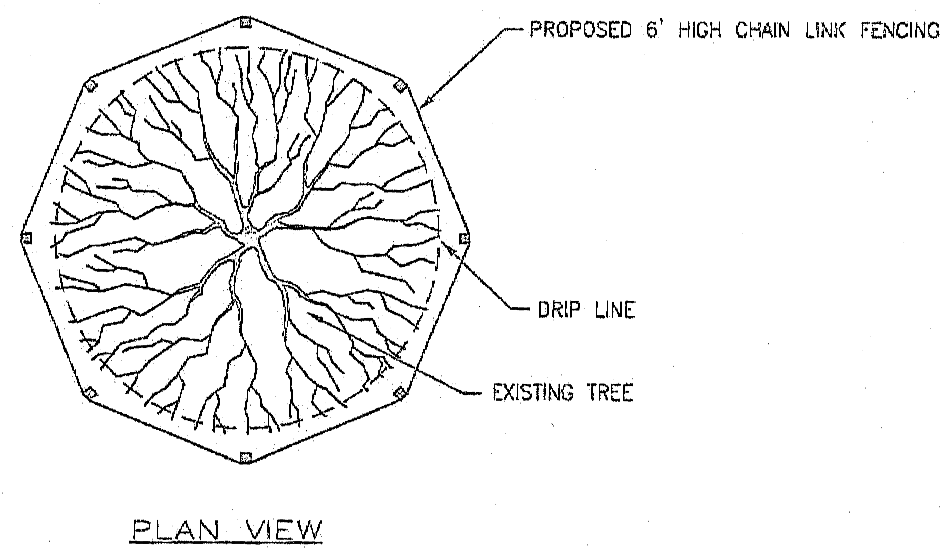
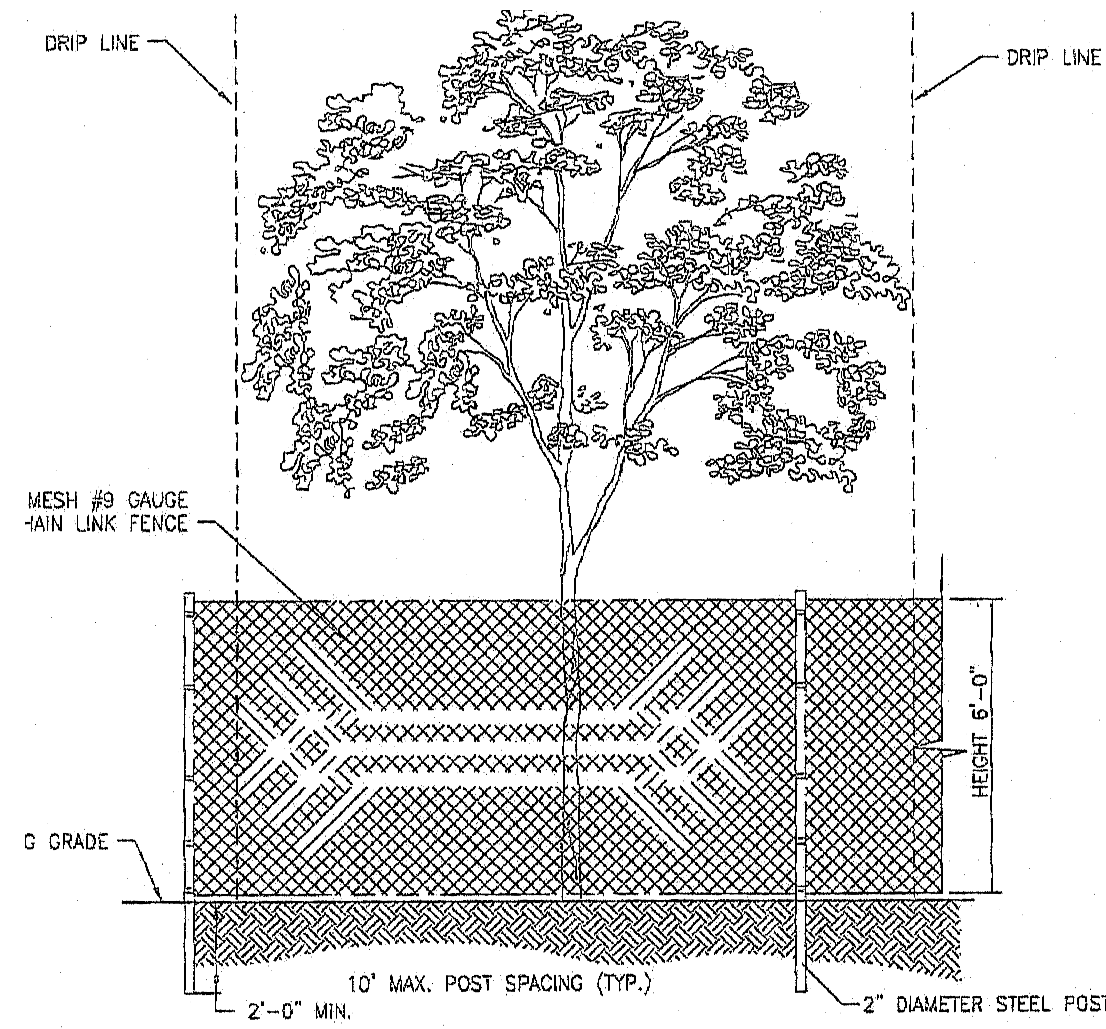
REVISIONS REVISED AS PER REVIEW OF 8-21-19 8-27-19

RKW
ENGINEERING SERVICES
ROBERT K. WAGER, P.E.
1610 PELHAM AVENUE
HAVERTOWN, PA 19083
(610) 642-0961

GRADING PLAN

501 SHADELAND ROAD
RADNOR TOWNSHIP

DATE: 8/07/19 SCALE: 1"=20'-0" DRAWN BY: RWK PROJ. NO.: 19038



TREE PROTECTION SPECIFICATIONS

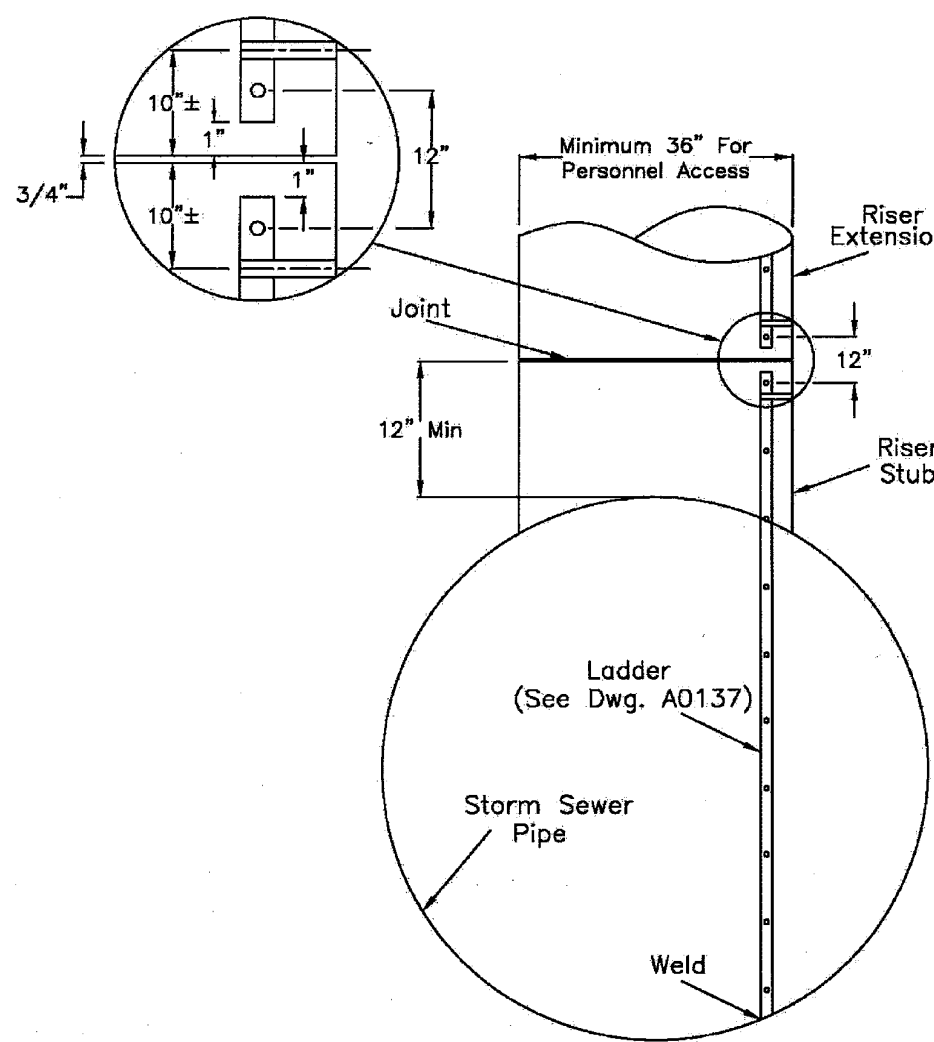
- A 4" layer of coarse mulch or woodchips is to be placed beneath the drip line of the protected trees. Mulch is to be kept 12" from the trunk.
- A protective barrier of 6' chain link fencing shall be installed around the drip line of protected tree(s). The fencing can be moved within the drip line if authorized by the Consulting Arborist but not closer than 2' from the trunk of any tree. Fence posts shall be 2.0" in diameter and are to be driven 2' into the ground. The distance between posts shall not be more than 10'. This enclosed area is the Tree Protection Zone (TPZ).
- Moveable barriers of chain link fencing secured to cement blocks can be substituted for "fixed" fencing if the Consulting Arborist agrees that the fencing will have to be moved to accommodate certain phases of construction. The builder may not move the fence without authorization from the Consulting Arborist.
- Where the Consulting Arborist has determined that tree protection fencing will interfere with the safety of work crews, Tree Wrap may be used as an alternative form of tree protection. Wooden slats at least one inch thick are to be bound securely, edge to edge, around the trunk. A single layer or more of orange plastic construction fencing is to be wrapped and secured around the outside of the wooden slats. Major scaffold limbs may require protection as determined by the Consulting Arborist. Straw waddle may also be used as a trunk wrap by noosing the waddle around the trunk up to a minimum height of six feet from ground. A single layer or more of orange plastic construction fencing is to be wrapped and secured around the straw waddle.

TREE PROTECTION DETAIL

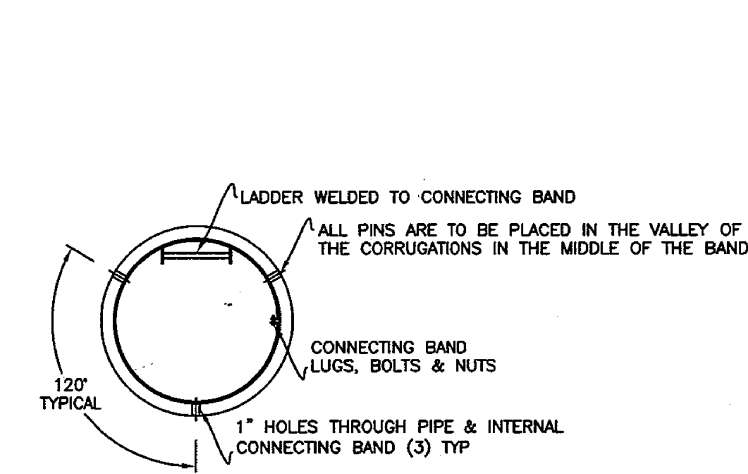
STANDARD EROSION AND SEDIMENT CONTROL PLAN NOTES

- Vehicles and equipment may not enter public roads without having the tires cleaned or washed.
- Stockpile heights must not exceed 35 feet. Stockpile slopes must be 2:1 or flatter.
- The operator shall assure that the approved erosion and sediment control plan is properly and completely implemented.
- Until the site achieves final stabilization, the operator shall assure that the best management practices are implemented, operated, and maintained properly and completely. Maintenance shall include inspections of all best management practice facilities. The operator shall maintain and make available to local Conservation District complete, written inspection logs of all those inspections. All maintenance work, including cleaning, repair, replacement, regrading, and restabilization shall be performed immediately.
- Immediately upon discovering unforeseen circumstances posing the potential for accelerated erosion and/or sediment pollution, the operator shall implement appropriate best management practices to eliminate potential for accelerated erosion and/or sediment pollution.
- Before initiating any revisions 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 local Conservation District.
- The operator shall assure that an erosion and sediment control plan has been prepared, approved by the local Conservation District, and is being implemented and maintained for all soil and/or rock spoil and borrow areas, regardless of their locations.
- All pumping of sediment laden water shall be through a sediment control BMP, such as a pumped water filter bag discharging over non-disturbed areas.
- The operator is advised to become thoroughly familiar with the provisions of the Appendix 64, Erosion Control Rules and Regulations, Title 25, Part I, Department of Environmental Protection, Subpart C, Protection of Natural Resources, Article III, Water Resources, Chapter 102, Erosion Control.
- A copy of the approved erosion and sediment control plan must be available at the project site at all times.
- The E&S control plan mapping must display a PA ONE CALL SYSTEM INCORPORATED symbol including the site identification number. (This is a numbered symbol not a note.)
- Erosion and sediment BMP's must be constructed, stabilized, and functional before site disturbance begins within the tributary areas of those BMP's.
- After final site stabilization has been achieved, temporary erosion and sediment BMP controls must be removed. Areas disturbed during removal of the BMP's must be stabilized immediately.

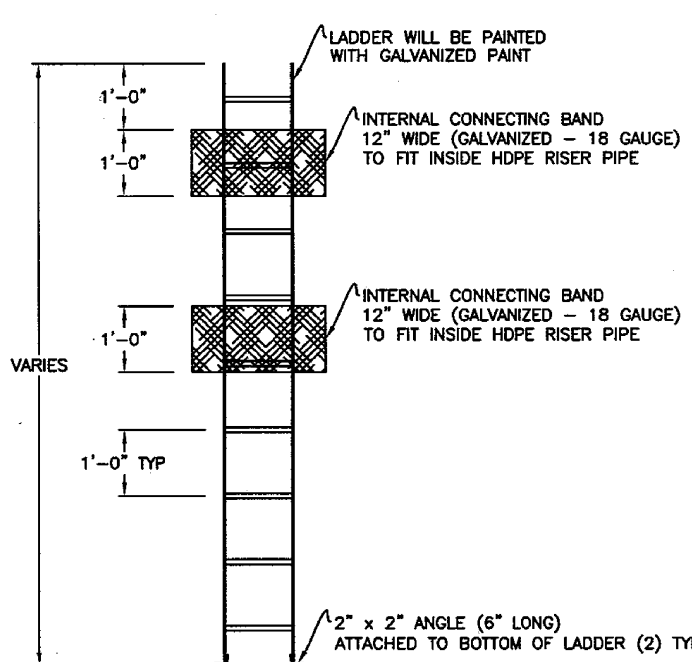
- At least 7 days before starting any earth disturbance activities, the operator shall invite all contractors involved in those activities, the landowner, all appropriate municipal officials, the erosion and sediment control plan preparer, and the local Conservation District to an on-site meeting. Also, at least 3 days before starting any earth disturbance activities, all contractors involved in those activities shall notify the Pennsylvania One Call System Incorporated at 1-800-242-1776 for buried utilities locations.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE OF CONSTRUCTION. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.
- Immediately after earth disturbance activities cease, the operator shall stabilize any areas disturbed by the activities. During non-germinating periods, mulch must be applied at the specified rates. Disturbed areas which are not at finished grade and which will be redisturbed within 1 year must be stabilized in accordance with the permanent vegetative stabilization specifications.
- An area shall be considered to have achieved final stabilization when it has a minimum uniform 70% perennial vegetative cover or other permanent non-vegetative cover with a density sufficient to resist accelerated surface erosion and subsurface characteristics sufficient to resist sliding and other movements.
- Temporary Stabilization & Permanent Stabilization**
- Hay or straw mulch must be applied at 3.0 tons per acre.
- Mulch with mulch control netting or erosion control blankets must be installed on all slopes 3:1 and steeper.
- Straw 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, regrading, reseedling, re-mulching, and renetting, must be performed immediately. If erosion and sediment control BMP's fail to perform as expected, replacement BMP's, or modifications of those installed will be required.
- Sediment removed from BMP's shall be disposed of in landscaped areas outside of steep slopes, wetlands, floodplains or drainage swales and immediately stabilized, or placed in topsoil stockpiles.
- The operator shall remove from the site, recycle, or dispose of all building materials and waste in accordance with the Department'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 material or wastes at the site.



CMP LADDER DETAIL

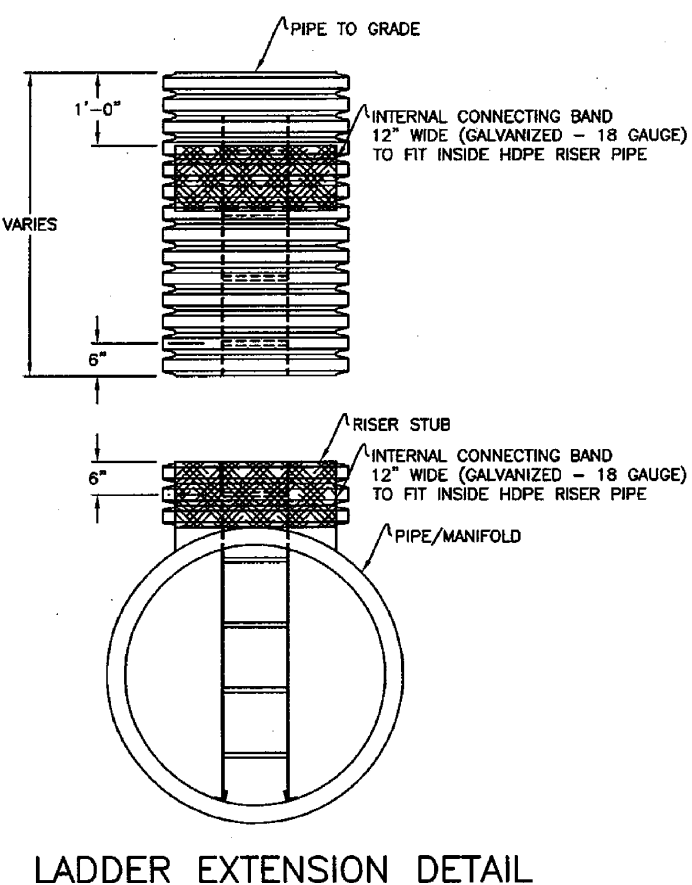


TOP VIEW OF RISER



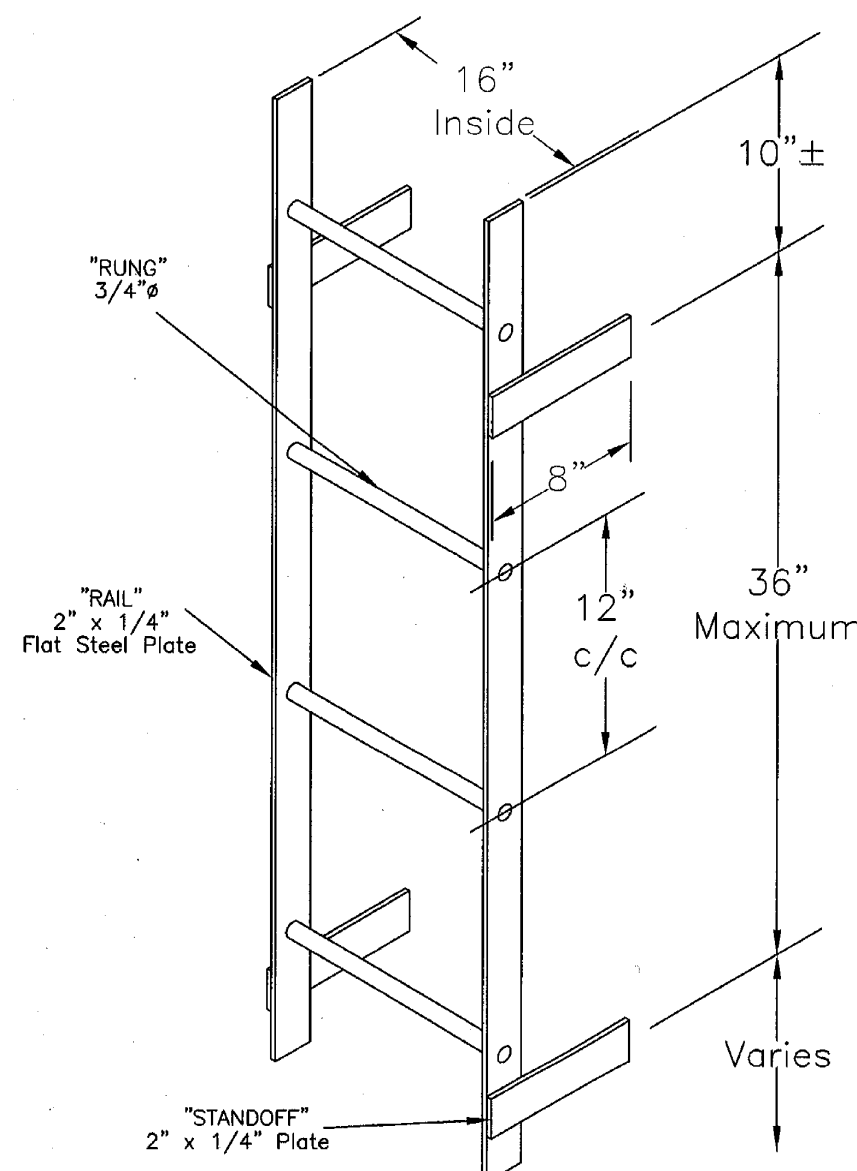
LADDER DETAIL

HDPE LADDER DETAIL

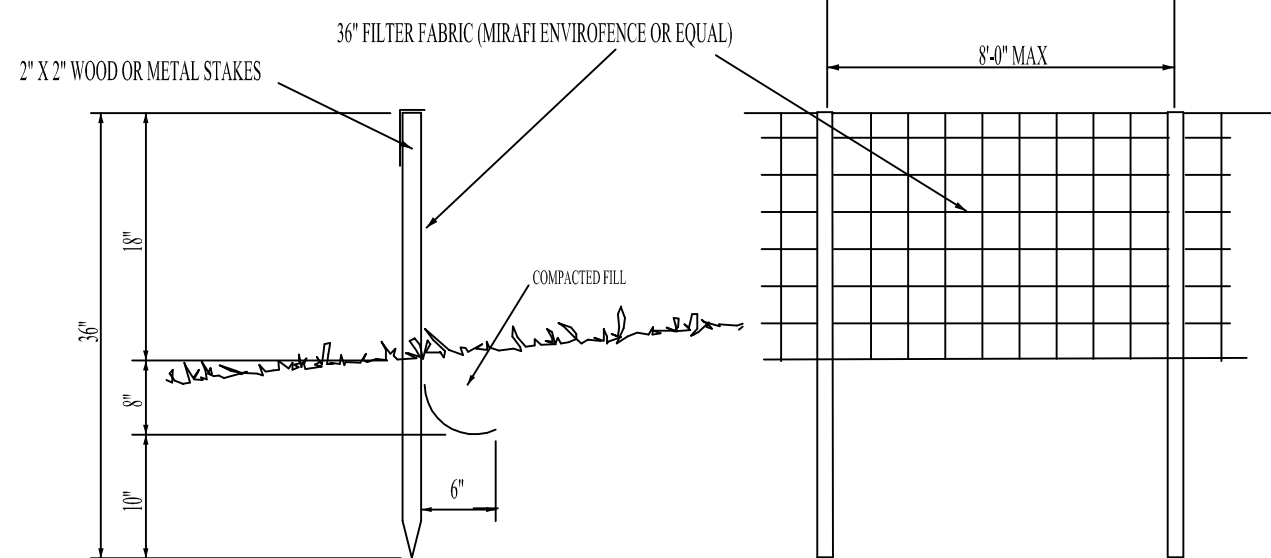


LADDER EXTENSION DETAIL

- 3/4"Ø rungs are to be welded into 7/8"Ø holes in the rails.
- Standoff to be welded to rails and riser wall to locate rung at 7" spacing from pipe wall.
- Maximum spacing of standoffs shall not exceed 36".
- Ladder shall not be installed in riser w/diameter less than 36".
- Detail at bottom of ladder will vary with type of manhole.
- Maximum length of ladder rail is 19'-10".
- Standard finish: Galvanized paint.



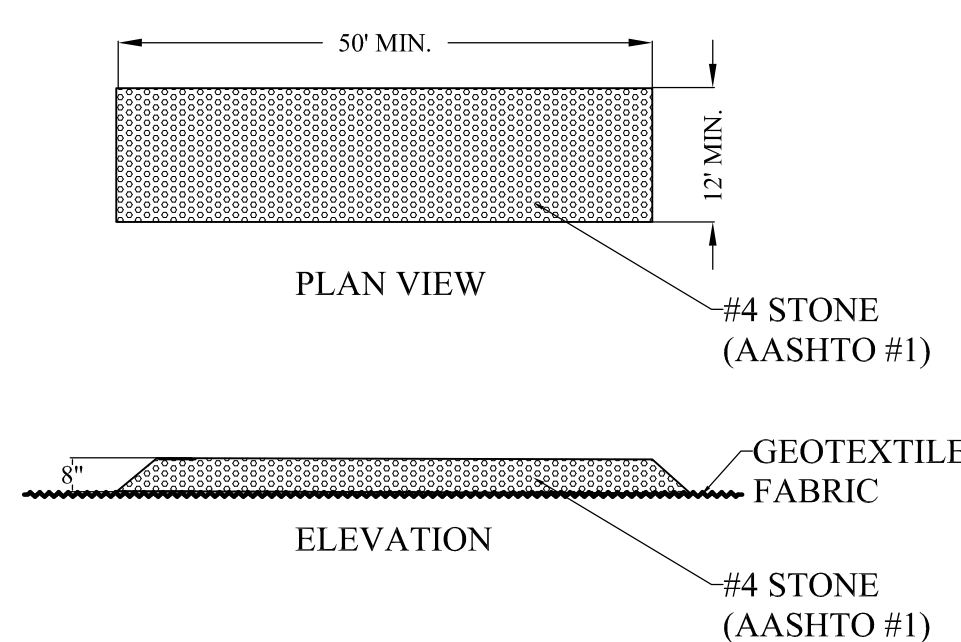
LADDER DETAIL



SILT FENCE DETAIL

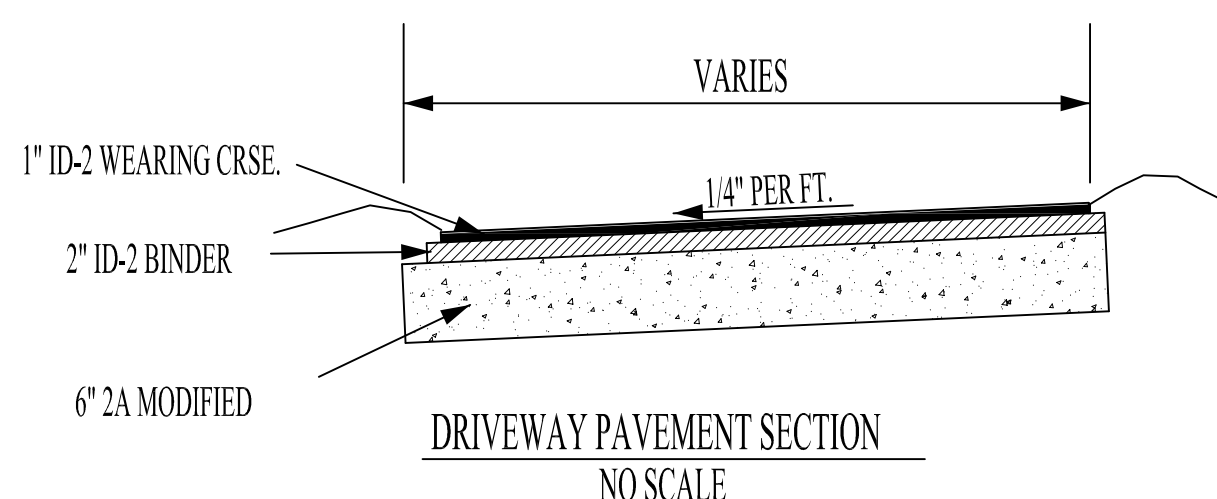
NO SCALE

- SILT FENCE MUST BE INSTALLED PARALLEL TO CONTOURS OR CONSTRUCTED LEVEL.
- SEDIMENT MUST BE REMOVED WHERE ACCUMULATIONS REACH 1/2 OF THE ABOVE GROUND HEIGHT OF THE SILT FENCE.
- ANY SILT FENCE THAT HAS BEEN TOPPLED OR UNDERMINED MUST BE REPLACED WITH A ROCK FILTER OUTLET IMMEDIATELY.
- ACCUMULATED SEDIMENT WILL BE REMOVED, SPREAD AND STABILIZED ON SITE.



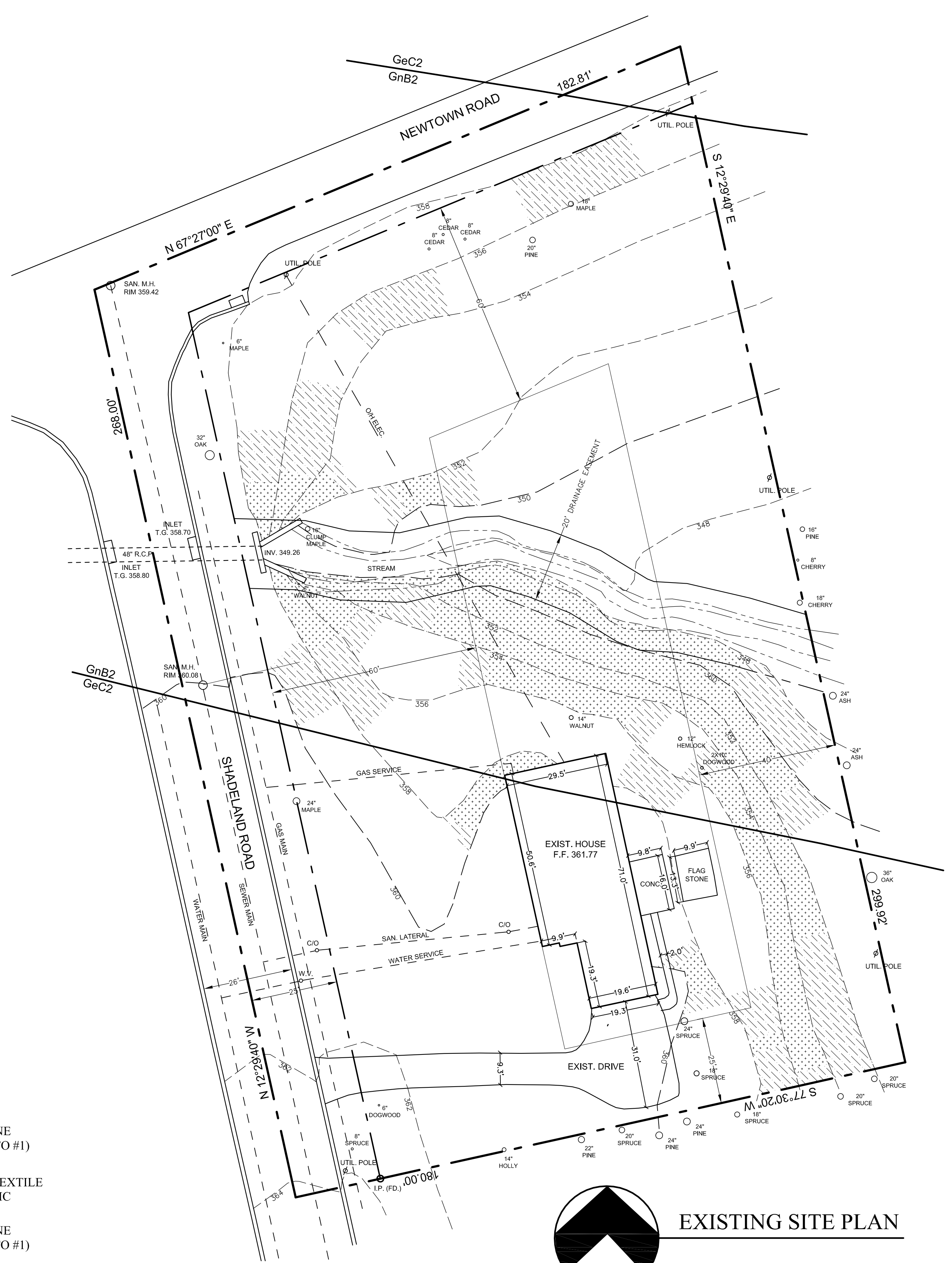
TIRE CLEANER DETAIL

NTS

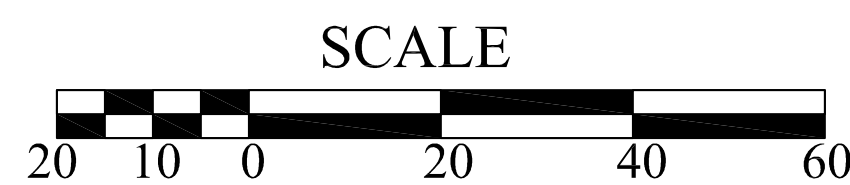


DRIVEWAY PAVEMENT SECTION

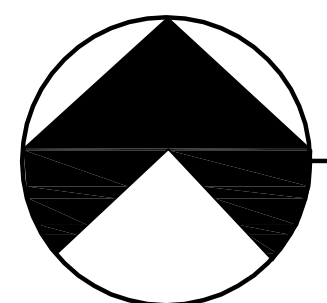
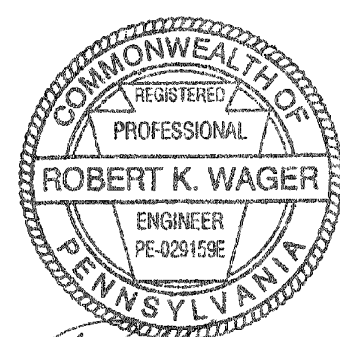
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EXISTING SITE PLAN



SCALE



REVISED BASIN		9-16-19
REVISIONS		8-27-19
REVISED AS PER REVIEW OF 8-21-19		
RKW		ROBERT K. WAGER, P.E.
ENGINEERING SERVICES		1610 PELHAM AVENUE HAVERTOWN, PA 19083 (610) 642-0961
DETAILS - E&S NOTES		
501 SHADELAND ROAD RADNOR TOWNSHIP		
DELAWARE COUNTY	PENNSYLVANIA	
DATE: 8/07/19	SCALE: 1"=20'-0"	DRAWN BY: RKW
		PROJ. NO.: 19038

RADNOR TOWNSHIP

ENGINEERING DEPARTMENT

Memorandum

To: Radnor Township Board of Commissioners

From: Stephen F. Norcini, PE, Township Engineer

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

Date: November 19, 2019

**Re: 100 Harvard Lane (lot 48) – Waiver of §245-22.A(2)(c)[2] of the
Stormwater Management Ordinance**

The applicant at 100 Harvard Lane (Grading Permit application #GP-19-185), has requested a waiver from the above referenced portion of the Stormwater Ordinance. The high water table on the property would not allow a system to be installed.

The applicant has proposed constructing two rain gardens to provide rate and control and meet water quality requirements.



Gannett Fleming

*Excellence Delivered **As Promised***

Date: November 8, 2019

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

From: Roger Phillips, PE

RE: 100 Harvard Lane (Lot 48) – Stormwater Waiver Request
Grading Permit Application – GP 19-185

The applicant has submitted a grading permit for the construction of a 2,401 SF building, 865 SF driveway, and 409 SF walk/patio. The applicant is requesting a waiver from §245-22 Groundwater Recharge in accordance with §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 conducted two test pits on the site. Soil features were similar to all test pits on the south side of Harvard Lane, which exhibited redoximorphic features indicative of a high water table. Mottling due to perched water table was encountered at 3" and 6" for the two test pits and water seeps at 52" and 27" respectively. No permeability test was performed because the high water table would not allow a system to be installed per the PADEP isolation distance of 24 inches. The applicant is proposing two (2) rain gardens to provide rate control and achieve water quality requirements.

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


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 4, 2019.

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



SITE ENGINEERING CONCEPTS, LLC

Consulting Engineering and Land Development Services

October 28, 2019

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

Re: Section 245-22, Groundwater Recharge Waiver
100 Harvard Lane, Lot 48, Woodlands at Bryn Mawr

RECEIVED
OCT 30 2019
19-18
**RADNOR TOWNSHIP
ENGINEERING DEPARTMENT**

Dear Members of the Board:

The Rockwell Bryn Mawr, L.P., respectfully requests a waiver from Section 245-22 of the Township Code requiring groundwater recharge for projects adding new or replacement impervious coverage greater than 500 square feet. As detailed in this request letter, the minimum infiltration requirement of 0.50 inches cannot be achieved and a waiver is sought from the Township in accordance with Section 245-22.A(2)(c)[2].

100 Harvard Road is vacant Lot 48 of the Woodlands II subdivision created in the late 1970's. Only one lot was initially developed (102 Harvard Lane) and the remaining lots have become overgrown with invasive vines and refuse over the last four decades. The current owner, Rockwell Bryn Mawr, L.P., is developing a new family home at 100 Harvard Lane with as shown on the attached plan. The proposed impervious coverage is 3,675 square feet, 15.6%. The Density Modification Development ordinance allows 27%.

Mr. Kevin Sech, P.G., P.E., of HILBEC Engineering, was retained to conduct a soil investigation of the property and surrounding lots, as required by Section 245-22. Mr. Sech evaluated the potential stormwater management areas along Harvard Lane. All test pits on the side south side of the road were similar. Each test pit exhibited redoxymorphic features indicative of a high water table. Mr. Sech concluded either no permeability testing could be conducted per PA DEP guidance due to the restrictive drainage features or the tests did not pass the minimum PA DEP infiltration requirement of 0.1 in/hr. See the soil testing report in the Post Construction Stormwater Management Narrative for 100 Harvard Lane.

In lieu of infiltration facilities, the stormwater management design proposes two rain gardens at 104 Harvard Lane to meet water quality and post development runoff peaks ordinance requirements. The rain gardens were designed using the Managed Release Concept for bioretention basins. The proposed rain gardens will provide detention within the above ground basin and slowly infiltrate the runoff through a compost attenuation medium for water quality control. Then infiltrated runoff will discharge through a restriction orifice at a slow rate to Meadowbrook Run in the south edge of the property. Please refer to the engineering details in the Grading Permit Application.

Should the Township have any questions or require additional information, please contact me at pspellman@site-engineers.com or 610.523.9002.

Sincerely,



Patrick Spellman, P.E.

Impervious Surface

Complete the impervious surface table (required).

Location: **100 HARVARD LANE, LOT 48**

Project Description: **SINGLE FAMILY HOME**

Gross Lot Area **23,604** Sq. Ft.

To be Completed by Radnor Township

Permit Number: **19-185**

Submission Date: **10/30/19**

Shade Tree Approval Date: **N/A**

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	0		0	2401	2401	
Walkway/sidewalk	0		0	204	204	
Patios, decks	0		0	190	190	
Driveway	0		0	865	865	
Other	0		0	15	15	
Total	0	0%	0	3675	3675	15.6%

Estimated Cubic Yards of Dirt Involved **500** Will this fill be taken off site ☒ Yes ☐ No

Number of trees to be removed (over 6" in diameter) **0** 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	

D-M

27%

X

TO BE COMPLETED BY APPLICANT

Property Owner(s) **ROCKWELL BRYN MAWR, L.P.**
Address of Property **100 HARVARD LANE, LOT 48, WOODLANDS II**
C/O 124 E. STATE STREET, MEDIA, PA 19063
Phone Number **610-500-4136** Email **JFINNERY@ROCKWELLCUSTOM.COM**
Engineer/Surveyor **PATRICK SPELLMAN, SITE ENGINEERING**
Phone Number **610.523.9002** Email **PSPELLMAN@SITE-ENGINEERING.COM**
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 2 (two) sets of plans and 1(one) flashdrive:
 - 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)

55/122: 715-716

RADNOR TOWNSHIP

ENGINEERING DEPARTMENT

Memorandum

To: Radnor Township Board of Commissioners

From: Stephen F. Norcini, PE, Township Engineer

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

Date: November 19, 2019

Re: 816 Galer Drive – Waiver of §245-22.A(2)(c)[2] of the Stormwater Management Ordinance

The applicant at 816 Galer Drive (Grading Permit application #GP-19-183), has requested a waiver from the above referenced portion of the Stormwater Ordinance. The reason for the request is that the infiltration rate on the property is zero.



Gannett Fleming

*Excellence Delivered **As Promised***

Date: November 11, 2019

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

From: Roger Phillips, PE

RE: 816 Galer Drive – Stormwater Waiver Request
Grading Permit Application – GP 19-183

The applicant has submitted a grading permit for the removal of existing portions of the building and patio and the construction of a 1,222 SF building addition and 174 SF driveway addition. The applicant is requesting a waiver from §245-22 Groundwater Recharge in accordance with §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 performed infiltration testing at one location on the site. The required infiltration is not feasible due to infiltration test results of zero. A limiting zone of rock was encountered at 7' below grade.

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

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 4, 2019.

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 1, 2019

Mr. Steve Norcini, PE
301 Iven Avenue
Radnor, PA 19087

Reference: 816 Galer Drive
Subject: Stormwater waiver request

Dear Mr. Norcini:

On behalf of the applications, Mr. and Mrs. Edward and Amy Stasen, I request a waiver for the standard stormwater requirements due to the inability for the property to perc according to the perc test performed by Delaware Valley Septics. In order to at least provide for water quality and rate control over the property, I have proposed a shallow and wide dry well using 0.5" water. All downspouts will feed into one of two systems. Each system is equipped with a level spreader.

Please let me know if you have any questions.

Sincerely,



Elizabeth Springer, PE
Dames Design LLC
www.damesdesignllc.com
117 Browning Lane
Rosemont, PA 19010
610-613-9457
Elizabeth@damesdesignllc.com

DAMES Design, LLC

Stasen Residence

Impervious Surface

Complete the impervious surface table (required).

Location: 816 Galer Drive Newtown Sq
PA 19073

Project Description: Rear Addition, Garage
extension & front porch
addition

Gross Lot Area 46,400 Sq. Ft.

To be Completed by Radnor Township

Permit Number: 19-183

Submission Date: 10/20/19

Shade Tree Approval Date: 11/20/19

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
<u>Other Bilco/AC Pad</u>			<u>0</u>	<u>47</u>	<u>47</u>	
Building	<u>2,419 SF</u>		<u>305</u>	<u>1,222</u>	<u>3,336</u>	
Walkway/sidewalk	<u>17</u>		<u>17</u>	<u>—</u>	<u>0</u>	
Patios, decks	<u>6,404</u>		<u>4,457</u>	<u>—</u>	<u>1,588.3</u>	
Driveway + Curb	<u>2,266</u>		<u>49</u>	<u>174</u>	<u>2,391</u>	
Other <u>Front pad</u>	<u>36</u>	<u>45 + 4</u>	<u>36</u>	<u>0</u>	<u>0</u>	<u>5896</u>
Total	<u>5,342</u>	<u>11.5</u> %	<u>852.7</u>	<u>1,443</u>	<u>5,932.3</u>	<u>12.76</u> %

Estimated Cubic Yards of Dirt Involved 305 Will this fill be taken off site ☒ Yes ☐ No

Number of trees to be removed (over 6" in diameter) 0 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) Edward & Amy Stasen

Address of Property 816 Galer Drive, Newtown Square, PA 19073

Phone Number (201) 988-4387 Email ed.stasen@gmail.com

Engineer/Surveyor Dames Design LLC

Phone Number 610-613-9457 Email elizabeth@damesdesignllc.com

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

Signature of Applicant Amy Stasen

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 2 (two) sets of plans and 1(one) flashdrive:
 - 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)



504 Eagle Road, Suite B

Springfield, PA 19064

844-4DELVAL

dvs@delvalseptics.com

www.4DELVAL.com

PERCOLATION REPORT

Client: Ed Statsen
 Location: 816 Galer Drive
 Municipality: Radnor County: Delaware
 Date: October 12, 2019 Degrees: 70 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	3					0	0						
#2	4					0	0						
#3	5					0	0						
#4	6					0	0						
#5													
#6													

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

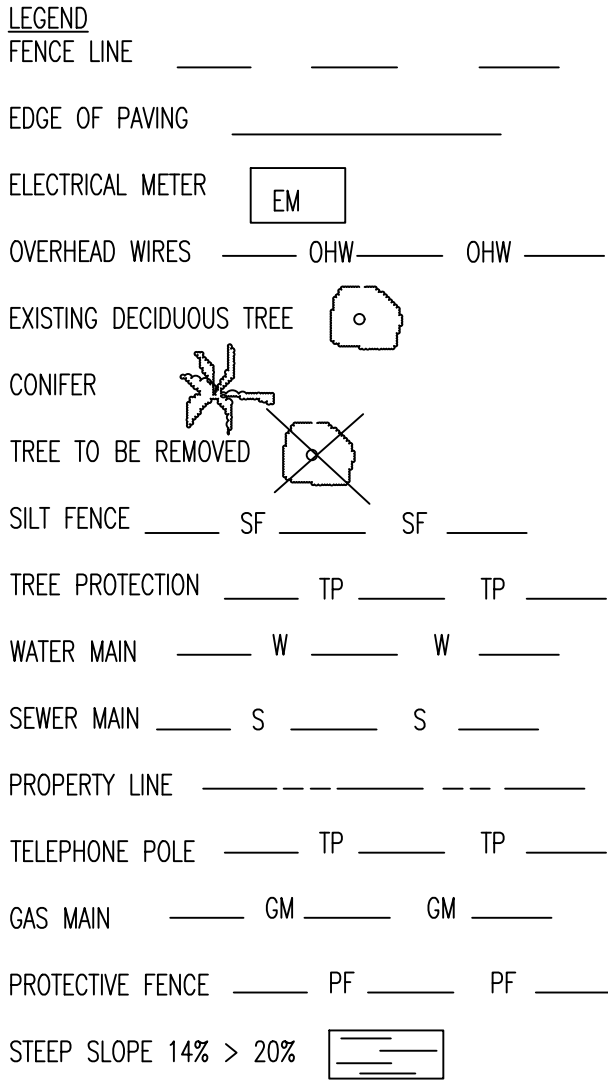
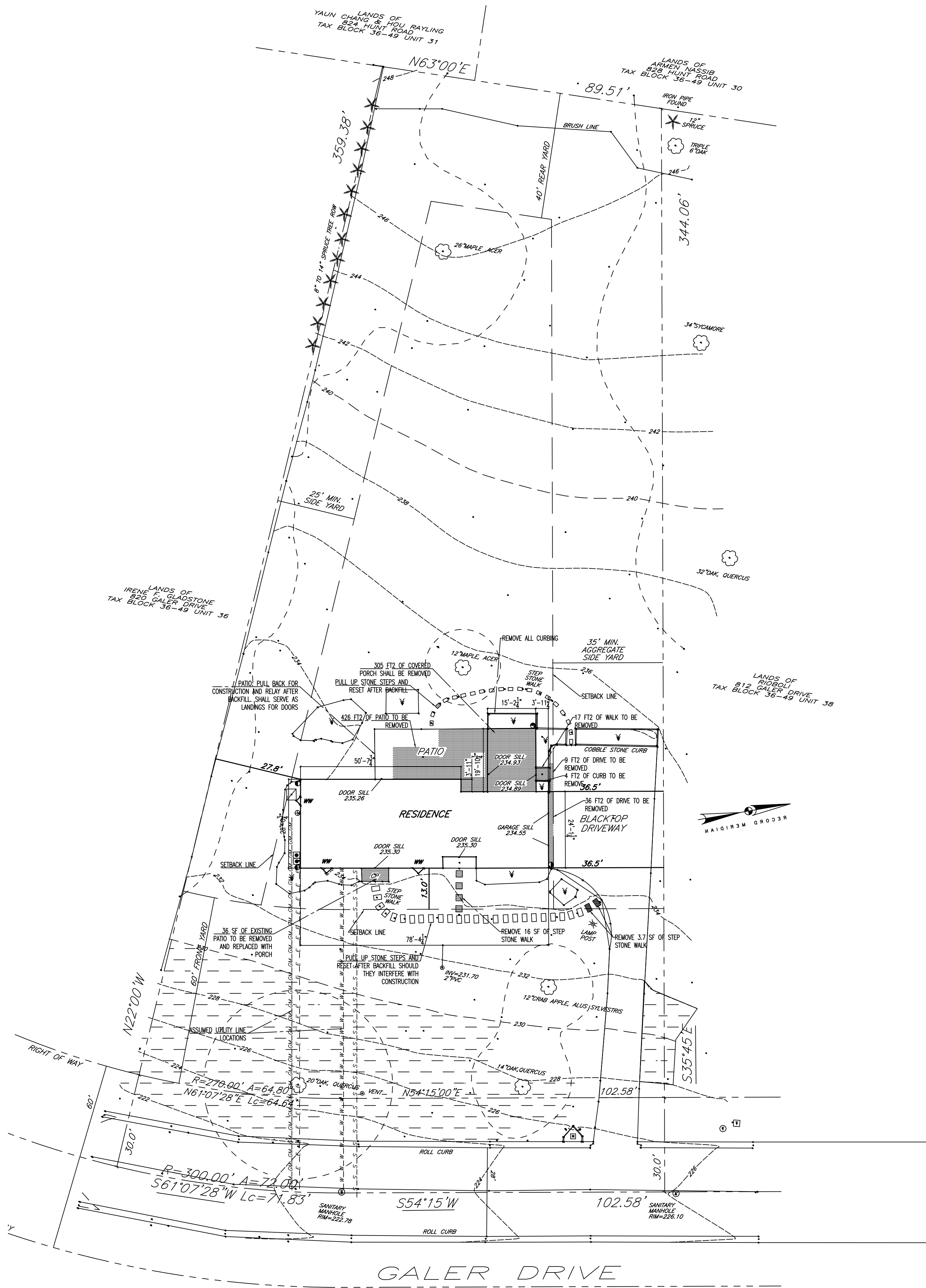
Inches / Hour	
#1	0
#2	0
#3	0
#4	0
#5	
#6	

NOTES
Limiting Zone at 7' Rock
closer towards house and found same

RUN RATE=	0.00
-----------	------

EXISTING SITE PLAN

SCALE 1"=20'



- Construction Sequence
1. Install silt fence per detail and location on site plan.
 2. Install tree protection as indicated on plan and in notes.
 3. Notification of the Township Engineer shall occur following installation of protective barriers and prior to earth disturbance.
 4. Notify PA 1 call and allow them to mark services before beginning any excavation.
 5. Excavate for proposed footing and foundation walls. Remove excess soil offsite. Construct to finished grade. Backfill around foundation and rough grade site. Remove excess excavated material from site. Stockpile soil to be reused in location indicated on plans and protect with tarps or seed until used.
 6. Continue and complete construction of proposed building.
 7. Spread topsoil over disturbed area and stabilize disturbed areas as with permanent seed and mulch. Use a tactifier or netting to prevent runoff of soil and seed. All graded surfaces shall be seeded, sodded, and/or planted or otherwise protected. Slopes steeper than 3:1 shall be peg-sodded or seeded and covered with jute netting or similar material.
 8. After all disturbed areas are stabilized, remove temporary erosion control features. Any areas disturbed during the removal process are to be seeded or mulched.

- Soil and Erosion Maintenance Requirements:
10. Prior to any construction, soil and erosion controls shall be installed.
 11. Silt fence shall be installed as shown in the detail and in the location shown on the site plan.
 - a. Routine end-of-the day checks of soil and erosion controls shall be performed.
 - b. Checks of soil and erosion controls shall occur after storms.
 - c. If soil or debris builds up along the silt fence it shall be cleaned out so that the fence continues to function.
 12. Seed, sod and mulch shall be applied to disturbed areas within 20 days.
 - d. Tactifier or netting shall be applied to seeded areas to prevent runoff during storm events
 - e. Routine end-of-the day checks of seeded areas shall be performed.
 - f. Checks of seeded areas shall occur after storms.

- General Notes:
1. Property Owner Address:
Mr. and Mrs. Ed and Amy Stasen
225 Fawnhill Road,
Broomall, Pennsylvania 19008
 2. Property for Permitting
816 Galer Drive,
Newtown Square, Pennsylvania 19073
 3. Original Survey Data Prepared By
and used with Permission From:
Michael Barbieri
Yerkes Associates Inc.
1444 Phoenixville Pike
P.O. BOX 1568
West Chester, PA 19380
610-644-4254
 4. Soil Erosion Plans and Proposed Plan Overlay by:
Elizabeth Springer, PE
Dames Design, LLC
117 Browning Lane
Rosemont, PA 19010
610-613-9457
- Applicant Statement:
5. *Any revision to the approved drainage plan must be approved by Radnor Township, and a revised erosion and sediment control plan would be submitted to the Conservation District for a determination of adequacy if required by the Conservation District.
 6. Dames Design is not responsible for locating or excavating for the purpose of locating the utilities.
 7. A copy of soil erosion and sediment plan shall be available at the site at all times.
This plan shall be used in conjunction with the most recent survey prepared by Yerkes Associates Inc. The site plan for this project is not a survey drawing.
 8. PA 1 call must be notified and do line locates before excavation including excavation for Parc Tests. The sewer, gas, and water lines are assumed to be in the front yard according to the initial survey and the electrical lines are assumed to be in the front of the home. All utilities shall be located. Dames Design is not responsible for the actual locations of the utilities. Dames Design is not responsible for locating or excavating for the purpose of locating the utilities.
 9. A copy of soil and erosion plan shall be available at the site at all times.
 10. The contractor and the homeowner shall coordinate on the relocation of all new plantings, AC pads or any site items that need to be relocated permanently or temporarily and shall coordinate on any unforeseen utilities of the home and property.
 11. Where construction occurs, driveway may become damaged and may need to be replaced upon completion of the project. A drain will be provided in front of the driveway to catch water on the drive and divert it along the front of the home.
 12. The homeowner and the contractor shall agree on the placement of materials for storage.
 13. Stockpile of soil per code and within silt fence, temporarily seed.
 14. The overall remodeling and addition proposed concept is as follows: A rear kitchen addition, and living room addition, mudroom addition, extension to existing garage and front covered porch addition.

LEGEND:

●	DOWNSPOUT	---	DRIP EDGE OF TREE(S)
☐	AIR CONDITIONER	---	EDGE OF LANDSCAPE AREA
⊗	GAS METER	---	BRUSH LINE
⊠	ELECTRIC METER	WW	WINDOW WELL
▼	LANDSCAPE AREA	CP	CONCRETE PAD
⊞	COMMUNICATION VAULT		
⊙	COMMUNICATION BOX		
⊞	MAILBOX		

DAMES DESIGN, LLC
ELIZABETH SPRINGER, PE

EXISTING AND PROPOSED
SITE PLAN

STASEN RESIDENCE
816 GALER DRIVE,
NEWTOWN SQUARE, PA 19073

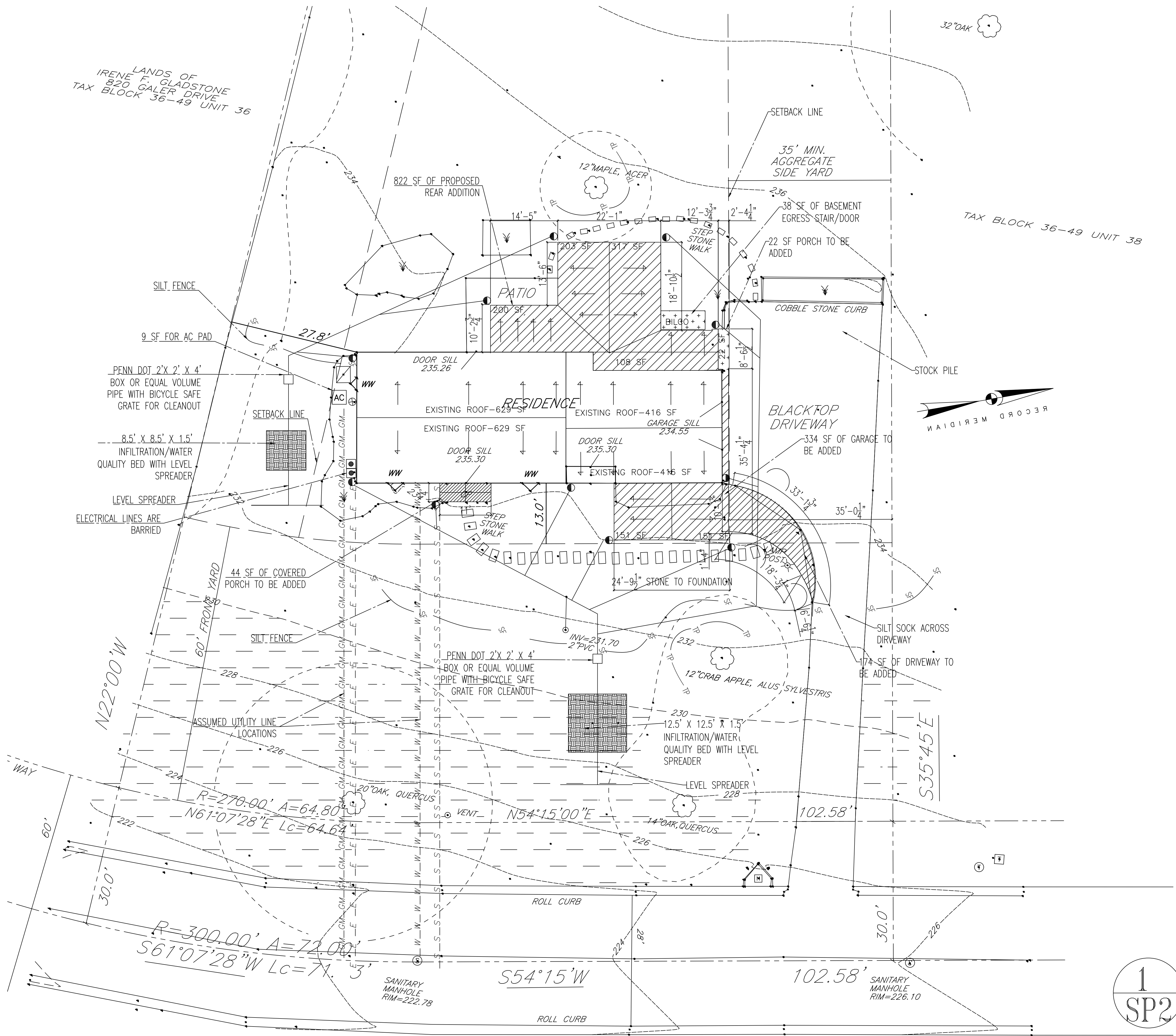
DRAWING LIST:
SP1: EXISTING SITE PLAN
SP2: PROPOSED SITE PLAN
SP3: STORMWATER INFO

DATE SUBMITTED 11.1.19
REVISION NO.
PERMIT 10.28.19
PERMIT REV 1 11.1.19

SCALE = AS NOTED
SHEET NO.

SP1

PROJ. # 19R0625



Radnor OF TOWNSHIP			
ZONING SUMMARY			
R-1 Residential District			
Ordinance Item	Requirement		
Min. lot area	One acre		
Min. lot width @ bldg.	120 FT		
Min. setbacks			
Front	60 FT		
Side (Individual/Aggregate)	25 FT / 60 FT		
Rear	40 FT		
	35 FT or 3 stories		
Max. building height			
Max. building coverage	15%		
Max. impervious coverage	22%		
R-3 Accessory Building			
Min. setbacks			
Side and rear setback	10 FT		
Min. Principal Separation	10 FT		
Min air Conditioning unit	15 FT		
IMPERVIOUS COVERAGE SUMMARY			
Gross Lot Area	46,480 Sq. Ft.		
Allowable Building Coverage	6,972 Sq. Ft.	15%	
Existing Building Coverage	2,419 Sq. Ft.	5.2%	
Allowable Impervious Coverage	10,226 Sq. Ft.	22%	
Existing Total Impervious Coverage	5,342 Sq. Ft.	11.5%	
Buildings	2,419 Sq. Ft.		
Asphalt	2,266 Sq. Ft.		
Patio	604 Sq. Ft.		
Rear walk	17 Sq. Ft.		
Front Pad (other)	36 Sq. Ft.		
EXISTING BUILDING COVERAGE TO BE REMOVED			
Covered rear Porch	305 Sq. Ft.	0.7%	
EXISTING NON-BUILDING COVERAGE TO BE REMOVED			
Asphalt	45 Sq. Ft.		
Rear patio (PATIOS)	426 Sq. Ft.		
Curbing (DRIVEWAY)	4 Sq. Ft.		
Front Stone steps (PATIO)	19.7 Sq. Ft.		
Rear Walk (WALKS)	17 Sq. Ft.		
Front pad (other)	36 Sq. Ft.		
Total	548 Sq. Ft.	1.2%	
PROPOSED BUILDING COVERAGE			
Rear addition	822 Sq. Ft.		
Garage extention	334 Sq. Ft.		
Covered porch (side)	22 Sq. Ft.		
Covered Porch (front)	44 Sq. Ft.		
Total	1222 Sq. Ft.		
PROPOSED NON-BUILDING COVERAGE			
Asphalt	174 Sq. Ft.		
AC Pad	9 Sq. Ft.		
Bilco Door	38 Sq. Ft.		
Total	221 Sq. Ft.		
TOTAL PROPOSED NEW IMPERVIOUS	1443 Sq. Ft.		
TOTAL PROPOSED BUILDING COVERAGE	3,336 Sq. Ft.	7.2%	
TOTAL PROPOSED IMPERVIOUS SURFACE	5,932 Sq. Ft.	12.8%	

1
SP2

PROPOSED SITE PLAN

SCALE 1"=10'

DAMES DESIGN, LLC
ELIZABETH SPRINGER, PE

PROPOSED SITE PLAN

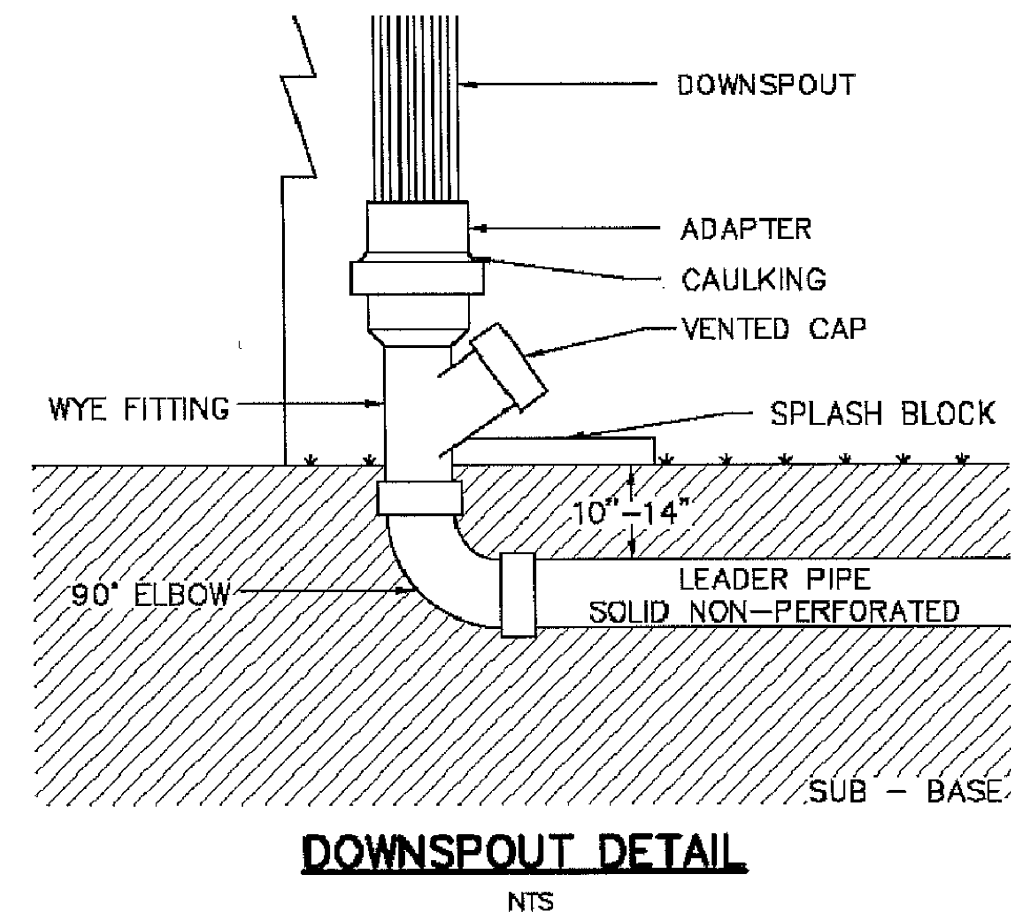
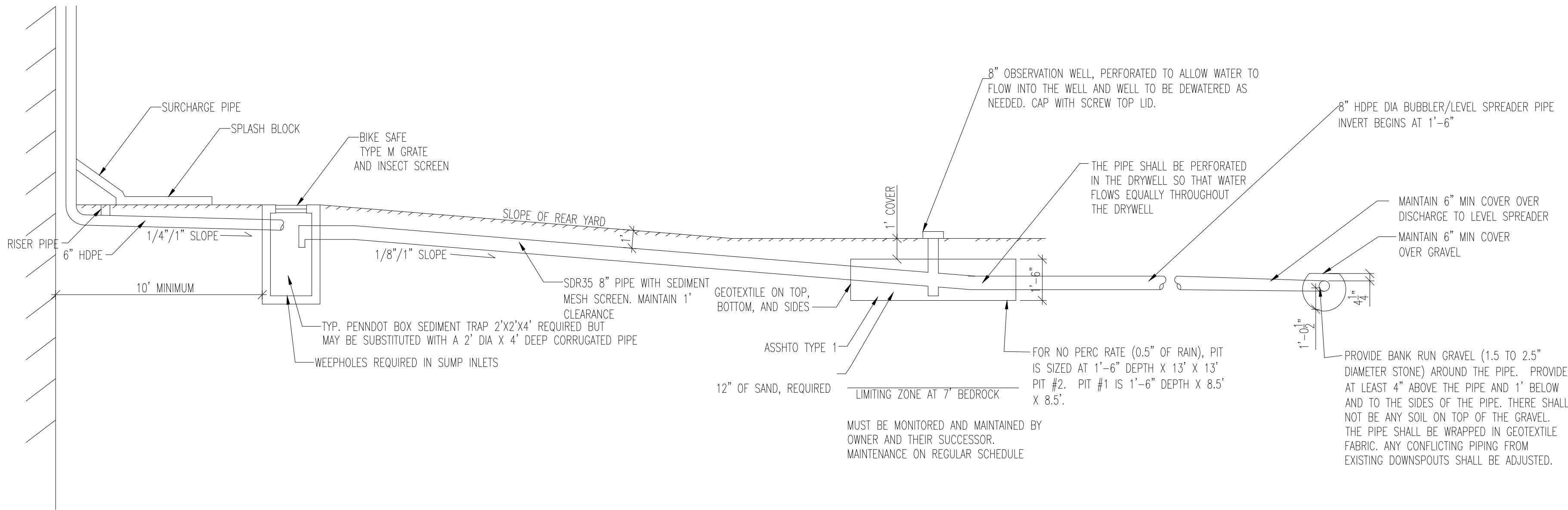
STASEN RESIDENCE
816 GALER DRIVE,
NEWTOWN SQUARE, PA 19073

DRAWING LIST:
SP1: EXISTING SITE PLAN
SP2: PROPOSED SITE PLAN
SP3: STORMWATER INFO

DATE SUBMITTED 11.1.19
REVISION NO.
PERMIT 10.28.19
PERMIT REV 1 11.1.19

SCALE = AS NOTED
SHEET NO.

SP2
PROJ. # 19R0625



Description of Stormwater System

A perc test was performed and found to not perc: rate of 0. The following approach collects water from the downspouts and cleans through a water quality system and then distributes across in a sheet flow. The dry well will attempt to infiltrate some water in the top soil level.

Due to the additional building and impervious area of 1443 sf, a stormwater collection system, designed by the simplified approach has been created. The system is designed for 0.5" of rain per hour for the entire existing and proposed roof surface of 3,286 sf. Additional volume allows up to 3,500 sf.

There are two pit locations:

- 1. The first pit is located on the left side of the home to collect the water off of the roof areas that drain to the rear. Total collection area of 1,032 sf from current roof
- 2. The second pit is located in the front yard to collect water from the front and right side yard. Total collection area of 2,254 sf from current roof

The location of the systems shall be aware from the drip line of trees, shall remain 10' off of the foundation of the home, shall not be placed in steep slopes, and shall be on the property of 816 Galer Road. Furthermore, the system shall be placed such that water from the downspouts can flow by means of gravity to the system. The system will collect water from all roof areas as shown on plan to cover the 1443 sf of proposed and additional future infiltration up to 3500 sf. If the homeowners wants to add additional area up to 3500 sf to that at a later date they may connect at the HDPE lines prior to the inlet sedimentation trap.

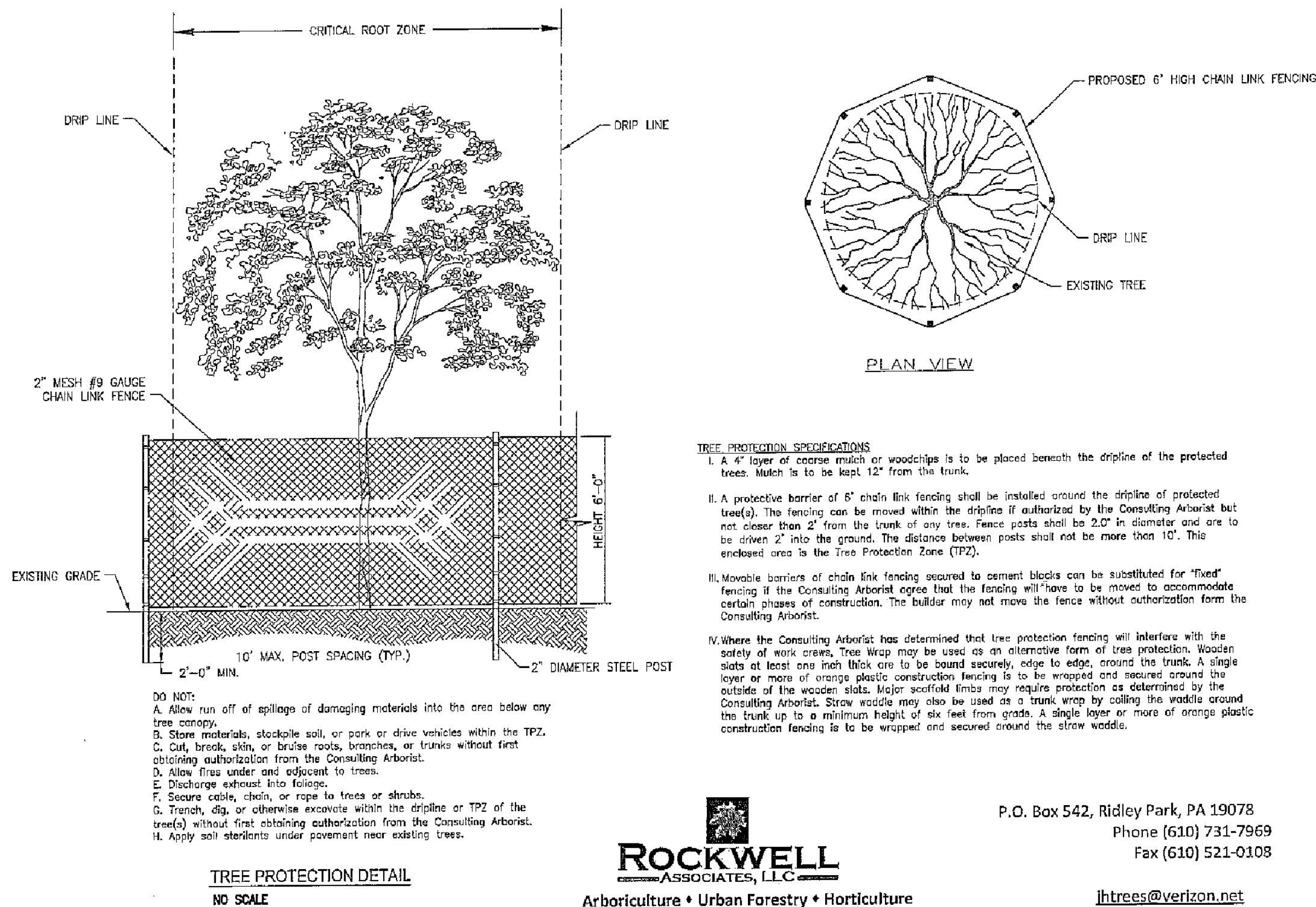
The roof surfaces that feed the stormwater system MUST have leaf guards or debris may enter and clog the system. The gutters feed the downspouts. The downspouts of the roof areas feed into an underground 6" HDPE pipe and connect underground. There is a surcharge pipe and a splash block at each downspout in case there is a need for overflow. In the downspout 6" HDPE pipeS there is a Sch 40T that allows for a riser pipe with a female plug. This is to allow the HDPE to be snaked out in case of clogging. The risers shall be placed in garden area and not in the yard and a final plan shall be provided to the homeowner by the installer. They may be placed by the splashblocks as well. At grade there is a 90 deg segment and then an conversion into a HDPE 6" line. The sediment traps are PENN Dot 2' x 2' x 4' concrete box with a green grate and geotextile fabric on top. It is located a minimum of 10' off of the foundation of the home as shown on the plan. An 8" HDPE line extend at a slope of 1/8" per foot from the sediment box to the dry well. The pipe extend into and through the dry well so that the water may infiltration evenly throughout the well. The perforations of the pipe are not less than 1/8" diameter and provide an opening area of not less than 3.31" per square foot of pipe surface. The perforations shall be within the area of the pipe that is in the drywell. The perforated observation well shall be placed so that the drywell is visible. The placement shall be coordinated with landscaping so that it is not a tripping hazard in the yard. The infiltration area shall have 12" of cover. Please do not compact this area during construction. It shall be fenced off and the contractor shall plan for this space to be unavailable. A bubbler/level spreader extend from a 6" dia pipe to a T" shall be added.

Tree Protection Notes:

All woody vegetation to be retained with in twenty five feet of a building site or disturbed area shall be protected from equipment damage by fencing placed at the drip lines. At homeowner discretion, the tree protection may be installed along side the driveway (to prevent materials and trucks from hitting property line vegetation). Grade changes around the drip lines of trees to be retained shall be minimized. Treatment of the trees prior to construction to protect the root system shall be performed as required. There shall be no construction materials, including pavers, concrete, fuel, debris, waste material or lumber stored in the tree protected area. Please note, tree protection will be provided as necessary, but per survey there are no trees on property that are within 25' of a building site.

Construction vehicles will access the site via the existing driveway. Care shall be taken that any on-road or off-road vehicle shall not track soil into public roadways. A wash out station is not planned and the waste water must not contaminate the street. Should the contractor elect to establish a construction entrance it will be done in accordance with the detail on the plan and shall be placed at the top of the driveway.

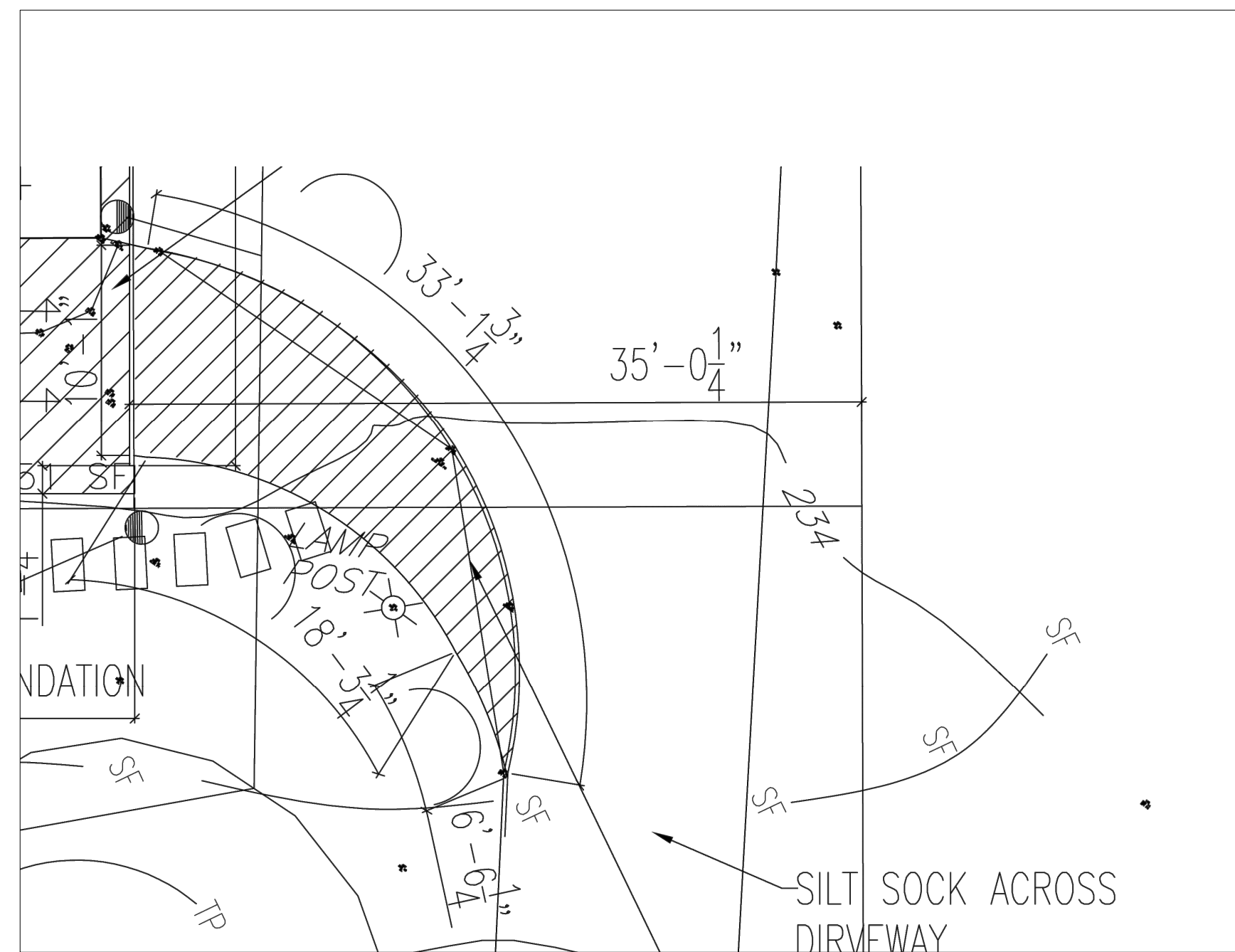
- All construction shall occur on the property of Mr. Ed and Mrs. Amy Stasen. The owners shall maintain and repair graded services and anti-erosion devices, retaining walls, drainage structures or other protective devices. The work shown on the plan shall be constructed completely within the limits of the property at 816 Galer Drive.
- If the existing driveway is insufficient in prevent water run-off, then the contractor shall provide a construction entrance.
- No utilities expect to be moved for the project.
- Verify utility lines in field
- Proposed addition and accessory structure is under 35' tall.
- Construction vehicles will access the site via the existing driveway. Care shall be taken that any on-road or off-road vehicle shall not track soil into public roadways.
- A washout station is not planned for the site due to the accessibility through the current driveway. If the existing driveway is insufficient in preventing sediment from leaving the site, then it is the responsibility of the contractor to install a construction entrance.
- Accessory structure to be under 15' tall, a minimum of 5' away from rear and side property lines and a minimum 10' away from any existing or proposed building coverage.



ROCKWELL ASSOCIATES, LLC Arboriculture • Urban Forestry • Horticulture Consulting • Planning • Management

P.O. Box 542, Ridley Park, PA 19078 Phone (610) 731-7969 Fax (610) 521-0108

lhtrees@verizon.net www.rockwellconsultants.com



DAMES DESIGN, LLC	ELIZABETH SPRINGER, PE
PROPOSED STORMWATER	
STASEN RESIDENCE 816 GALER DRIVE, NEWTOWN SQUARE, PA 19073	
DRAWING LIST: SP1: EXISTING SITE PLAN SP2: PROPOSED SITE PLAN SP3: STORMWATER INFO	
DATE SUBMITTED 11.1.19 REVISION NO.	
PERMIT 10.28.19 PERMIT REV 1 11.1.19	
SCALE = AS NOTED SHEET NO.	
SP3	
PROJ. # 19R0625	



RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

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

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

WHEREAS David Semerjian Builders has proposed the development of a parcel of land identified as
land developer
415 Maplewood Avenue, and described in the attached Sewage Facilities Planning Module, and
name of subdivision
proposes that such subdivision be served by: (check all that apply), ☐ sewer tap-ins, ☒ sewer extension, ☐ new treatment facility, ☐ individual onlot systems, ☐ community onlot systems, ☐ spray irrigation, ☐ retaining tanks, ☐ other, (please specify) _____

WHEREAS, Radnor Township finds that the subdivision described in the attached
municipality
Sewage Facilities Planning Module conforms to applicable sewage related zoning and other sewage related municipal ordinances and plans, and to a comprehensive program of pollution control and water quality management.

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

I _____, Secretary,
(Signature)
Township Board of ~~Supervisors~~ ^{Commissioners} (Borough Council) (City Councilmen), hereby certify that the foregoing is a true copy of the Township (Borough) (City) Resolution # _____, adopted, _____, 20____.

Municipal Address:

Radnor Township
301 Iven Avenue
Wayne, PA 19087-5600
Telephone 610-688-5600

Seal of
Governing Body

RADNOR TOWNSHIP

ENGINEERING DEPARTMENT

Memorandum

To: Radnor Township Board of Commissioners

From: Stephen F. Norcini, PE, Township Engineer

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

Date: November 19, 2019

Re: 415 Maplewood Drive – Approval of Planning Module

The Planning Module Resolution before the Commissioners is for the Semerjian Land Development Project at 415 Maplewood Avenue, for 8 units.

The Planning Module was before the Planning Commission and approved.



Gannett Fleming

*Excellence Delivered **As Promised***

MEMORANDUM

Date: November 12, 2019

To: Steve Norcini, PE – Township Engineer

From: Roger Phillips, PE

cc: Robert Zienkowski – Township Manager
Kevin W. Kochanski, RLA, CZO – Director of Community Development
John Rice, Esq – Grim, Biehn, and Thatcher
Damon Drummond, PE – Gilmore and Assoc.

RE: 415 Maplewood Avenue
Sewage Facilities Planning Module

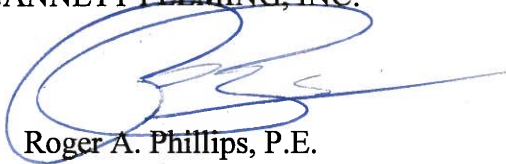
The applicant for the above project has prepared a Sewage Facilities Planning Module to be submitted to the PA DEP. The applicant is proposing to consolidate parcels and construct eight town houses on the site. The existing properties contain two single family dwellings and commercial buildings and are currently utilizing two EDUS. The proposed flow for this project is 1,575 GPD.

This Planning Module must be approved by resolution by the Board of Commissioners prior to submission to the PA DEP.

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



Sewage Facilities Planning Module For David Semerjian Builders

Location
415 Maplewood Avenue

Code# 1-23013-256-3J

Radnor Township
Delaware County

January 2, 2018

Revised March 13, 2019
Updated September 16, 2019
Updated November 5, 2019

Prepared By:

Edward B. Walsh and Associates, Inc.
125 Dowlin Forge Road, Lionville Professional Center
Exton, PA 19341
610-903-0060

TRANSMITTAL LETTER



TRANSMITTAL LETTER FOR SEWAGE FACILITIES PLANNING MODULE

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) USE ONLY				
DEP CODE # 1-23013-256-3J	CLIENT ID #	SITE ID #	APS ID #	AUTH. ID #

TO: Approving Agency (DEP or delegated local agency)
Pa DEP Southeast Regional Office

Date _____

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by Edward B. Walsh and Assoc., Inc.
(Name)
Project Engineers _____ for David Semerjian Builders
(Title) (Name)
a subdivision, commercial, or industrial facility located in Radnor Township
Delaware _____ County.
(City, Borough, Township)

Check one

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

OR

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

Check Boxes

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

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

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

Municipal Secretary (print)

Signature

Date

RESOLUTION



RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

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

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

WHEREAS David Semerjian Builders has proposed the development of a parcel of land identified as
land developer

415 Maplewood Avenue, and described in the attached Sewage Facilities Planning Module, and
name of subdivision

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

WHEREAS, Radnor Township finds that the subdivision described in the attached
municipality

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

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

I _____, Secretary, _____
(Signature)

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

Municipal Address:

Radnor Township

301 Iven Avenue

Wayne, PA 19087-5600

Telephone 610-688-5600

Seal of

Governing Body

COMPLETENESS CHECKLIST

Checklist



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

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

Completeness Checklist

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

Sewage Collection and Treatment Facilities

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

Municipal Action

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

Signature of Municipal Official

Date submittal determined complete

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

<i>Section E: Availability of Drinking Water Supply</i>		
✓	The appropriate box is checked in Section E	
✓	For existing public water supplies, the name of the company is provided	
✓	For public water supplies, the certification letter from the public water company is attached	
<i>Section F: Project Narrative</i>		
✓	The Project Narrative is attached	
✓	All information required in the module directions has been addressed	
<i>Section G: Proposed Wastewater Disposal Facilities</i>		
✓	Section G.1.a. The collection system boxes are checked	
	The Pennsylvania Clean Streams Law (CSL) permit number is provided for existing systems	
✓	Section G.1.b. The questions on the collection system are completed	
✓	Section G.2.a. The appropriate treatment facility box is checked	
✓	For existing treatment facilities, the name is provided	
✓	For existing treatment facilities, the NPDES permit number is provided	
✓	For existing treatment facilities, the CSL permit number is provided	
	For new treatment facilities, the discharge location is provided	
✓	Section G.2.b. The certification statement has been completed and signed by the wastewater treatment facility permittee or their representative	
✓	Section G.3. The plot plan is attached and contains all items in the module instructions under Section G.3	
✓	The plot plan will show the proposed sewer facilities, sewer extension and/or point of connection to the existing sewer line or point of discharge	
	Copies of easement(s) or right-of-way(s) are attached	
✓	Section G.4. The boxes are checked regarding Wetland Protection	
✓	Section G.5. The boxes are checked regarding Primary Agricultural Land	
✓	Section G.6. The boxes are checked confirming consistency with the Historic Preservation Act	
	The Cultural Resources Notice (CRN) (Form 0120-PM-PY0003) is attached	
	A return receipt for its submission to the Pennsylvania Historical and Museum Commission (PHMC) is attached	

<i>Section G: Proposed Wastewater Disposal Facilities</i>		
	The PHMC review letter is attached	
✓	Section G.7. The boxes are checked regarding Pennsylvania Natural Diversity Inventory (PNDI)	
✓	PNDI Project Environmental Review Receipt is attached	
✓	PNDI Review Receipt, if no potential impacts identified, is not older than 2 years	
	All supporting resolution documentation from jurisdictional agencies (when necessary) is attached and not older than 2 years	
	A completed PNDI Large Project Form (PNDI Form) (Form 8100-FM-FR0161) is attached with all supplemental materials and DEP is requested to complete the search.	
<i>Section H: Alternative Sewage Facilities Analysis</i>		
✓	The Alternative Sewage Facilities Analysis is attached	
✓	All information required in the module directions has been addressed	
<i>Section I: Compliance with Water Quality Standards and Effluent Limitations</i>		
	The box is checked regarding Waters Designated for Special Protection	
	The Social or Economic Justification is attached	
	The box is checked regarding Pennsylvania Waters Designated As Impaired	
	The box is checked regarding Interstate and International Waters	
	The box is checked regarding Tributaries to the Chesapeake Bay and the required information is provided	
	The Name of Permittee Agency, Authority, Municipality and the Initials of Responsible Agent are provided	
	If discharge to an intermittent stream, dry swale or manmade ditch is proposed, provide evidence that a certified letter has been sent to each owner of property over which the discharge will flow until perennial conditions are met	
<i>Section J: Chapter 94 Consistency Determination</i>		
✓	A map showing the path of the sewage to the treatment facility and the location of the discharge is provided	
✓	Section J.1. The Project Flows are provided	
✓	Section J.2. The permitted, existing, and projected average and peak flows are provided in the table for collection, conveyance and treatment facilities	
✓	Section J.3.a. The appropriate box is checked indicating capacity in the Collection and Conveyance Facilities	
✓	Section J.3.b. The Collection System information is completed, signed and dated	

<i>Section J: Chapter 94 Consistency Determination</i>		
✓	Section J.3.b. The Conveyance System information is completed, signed and dated	
✓	Section J.4.a. The appropriate box is checked regarding projected overloads at the Treatment Facility	
✓	Section J.4.b. The Treatment Facility information is completed, signed and dated	
✓	The Permittee of the wastewater treatment facility has submitted a Chapter 94 Wasteload Management Report, which includes the information for the collection and conveyance system to serve this project	
✓	An acceptable Wasteload Management Report Corrective Action Plan (CAP) and schedule has been submitted, as well as a connection management plan	
✓	A letter from the permittee, which grants allocations to the project consistent with the CAP, and a copy of the connection management plan has been submitted	
	Letter indicating the treatment plant is an interim regional treatment facility is attached	
<i>Section K: Treatment and Disposal Options</i>		
	For proposed treatment facilities, the appropriate box is checked indicating the selected Treatment and Disposal Option	
<i>Section L: Permeability Testing</i>		
	The Permeability Testing information is attached	
<i>Section M: Preliminary Hydrogeologic Study</i>		
	The Preliminary Hydrogeologic Study is attached	
	The Preliminary Hydrogeologic Study is signed and sealed by a Professional Geologist	
<i>Section N: Detailed Hydrogeologic Study</i>		
	The Detailed Hydrogeologic Study is attached	
	The Detailed Hydrogeologic Study is signed and sealed by a Professional Geologist	
<i>Section O: Sewage Management</i>		
	Section O.1. The box is checked indicating municipal or private facilities	
	If municipal, the remainder of Section O is not applicable	
	If private, the required analysis and evaluation of sewage management options is attached	
	Section O.2. The appropriate box is checked regarding the use of nutrient credits or offsets	
	Section O.3. The Project Flows for the private facilities are provided	

<i>Section O: Sewage Management</i>		
	Section O.4.a. The appropriate box is checked indicating capacity in the existing private Collection and Conveyance Facilities	
	Section O.4.b. The private Collection System information is completed, signed and dated	
	Section O.4.c. The private Conveyance System information is completed, signed and dated	
	Section O.5.a. The appropriate box is checked regarding projected overloads at the private Treatment Facility	
	Section O.5.b. The private Treatment Facility information is completed, signed and dated	
	Section O.6. The box is checked indicating the municipality will assure proper operation and maintenance of the proposed private facilities	
	The required documentation of sewage management is attached	
<i>Section P: Public Notification Requirement</i>		
✓	All Public Notification boxes in this section are checked	
✓	The public notice is attached, if public notification is necessary	
	All comments received as a result of the notice are attached	
	The municipal responses to these comments are attached	
	The box is checked indicating that no comments were received, if valid	
<i>Section Q: False Swearing Statements</i>		
✓	The planning module preparer's false swearing statement is completed and signed	
<i>Section R: Planning Module Review Fee</i>		
✓	The correct fee has been calculated	
	The correct fee has been paid	
	The request for fee exemption has been checked	
	The deed reference information is provided to support the fee exemption	
<i>Completeness Checklist</i>		
✓	The module completeness checklist is included	
✓	All completeness items have been checked as included by the municipality, as appropriate	
✓	The Municipal Official has signed and dated the checklist	

CERTIFICATION STATEMENT

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

Signed: 
Applicant (or Applicant's authorized representative)

Date: 5/31/18

Signed: _____
Municipal Secretary

Date: _____

COMPONENT 3



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

Code No.
1-23013-256-3J

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

DEP USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH ID #

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

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

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

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

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name 415 Maplewood Avenue

2. Brief Project Description Subdivision of approx. 2 acres for 4 duplex units for a total of 8 dwellings to be served with public water and public sewer.

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

Municipality Name	County	City	Boro	Twp
Radnor	Delaware	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Zienkowski	Robert	A		Manager
Additional Individual Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1	Mailing Address Line 2			
301 Iven Avenue				
Address Last Line -- City	State	ZIP+4		
Wayne	PA	19087-5297		
Area Code + Phone + Ext.	FAX (optional)	Email (optional)		
6106885600				

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

415 Maplewood Avenue

Site Location Line 1

415 Maplewood Avenue

Site Location Line 2

Site Location Last Line -- City

State

ZIP+4

Latitude

Longitude

Wayne

PA

19087

40.038088

-75.392344

Detailed Written Directions to Site From the intersection of Lancaster Avenue and Conestoga Road. Go southeast on Conestoga Road. Right on Maplewood Avenue. Site is on the right #415.

Description of Site Approximately half the site is lawn and trees. The other half of the site consists of two single family dwellings, 2 commercial buildings and associated parking.

Site Contact (Developer/Owner)

Last Name

First Name

MI

Suffix

Phone

Ext.

Semerjian

David

6106950444

Site Contact Title

Site Contact Firm (if none, leave blank)

Owner

David Semerjian Builders

FAX

Email

Mailing Address Line 1

Mailing Address Line 2

2425 White Horse Road

Mailing Address Last Line -- City

State

ZIP+4

Berwyn

PA

19312

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

Last Name

First Name

MI

Suffix

Address

Scott

J

Title

Consulting Firm Name

Environmental Scientist

Edward B. Walsh and Associates, Inc.

Mailing Address Line 1

Mailing Address Line 2

125 Dowlin Forge Road

Address Last Line -- City

State

ZIP+4

Country

Exton

PA

19341

USA

Email

Area Code + Phone

Ext.

Area Code + FAX

sandress@ebwalshinc.com

6109030042

6109030080

E. AVAILABILITY OF DRINKING WATER SUPPLY

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

☐ Individual wells or cisterns.

☐ A proposed public water supply.

☒ An existing public water supply.

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

Name of water company: AQUA Pennsylvania

F. PROJECT NARRATIVE (See Section F of instructions)

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

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

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

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

1. COLLECTION SYSTEM

a. Check appropriate box concerning collection system

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

Clean Streams Law Permit Number Unavailable

b. Answer questions below on collection system

Number of EDU's and proposed connections to be served by collection system. EDU's 8 Total / 6 New
Connections 8

Name of:

existing collection or conveyance system Maplewood Avenue

owner Radnor Township

existing interceptor BHM

owner BHM

2. WASTEWATER TREATMENT FACILITY

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

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

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

Name of existing facility Philadelphia Southwest Pollution Control Plant

NPDES Permit Number for existing facility 26671

Clean Streams Law Permit Number 900019 5173401

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

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

As an authorized representative of the permittee, I confirm that the Philadelphia Southwest Pollution Control Plant

(Name from above) sewage treatment facilities can accept sewage flows from this project without adversely affecting the facility's ability to achieve all applicable technology and water quality based effluent limits (see Section I) and conditions contained in the NPDES permit identified above.

Name of Permittee Agency, Authority, Municipality PHILA. WATER DEPT.

Name of Responsible Agent ERIC POMERT, S.E.O.

Agent Signature Eric Pomert Date 8/13/19

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. PLOT PLAN

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

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

4. WETLAND PROTECTION

YES NO

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

5. PRIME AGRICULTURAL LAND PROTECTION

YES NO

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

6. HISTORIC PRESERVATION ACT

YES NO

- ☒ ☐ Sufficient documentation is attached to confirm that this project is consistent with DEP Technical Guidance 012-0700-001 *Implementation of the PA State History Code* (available online at the DEP website at www.dep.state.pa.us, select "subject" then select "technical guidance"). As a minimum this includes copies of the completed Cultural Resources Notice (CRN), a return receipt for its submission to the PHMC and the PHMC review letter.

7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES

Check one:

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

Applicant or Consultant Initials _____

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

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

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

1. Waters designated for Special Protection

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

2. Pennsylvania Waters Designated As Impaired

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

3. Interstate and International Waters

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

4. Tributaries To The Chesapeake Bay

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

Name of Permittee Agency, Authority, Municipality _____

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

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

COMPONENT 3 – Section J
Radnor Township

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

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

1. Project Flows 1,575 gpd

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

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

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

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	295,000	738,000	153,000	382,000	154,000	385,000
Conveyance						
Treatment						

3. Collection and Conveyance Facilities

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

YES NO

- a. ☐ ☒ This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system?

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

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

b. Collection System

Name of Agency, Authority, Municipality Radnor Township

Name of Responsible Agent Stephen F. Norcini, PE, Township Engineer

Agent Signature 

Date 10/11/14

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

c. Conveyance System

Name of Agency, Authority, Municipality Radnor Township

Name of Responsible Agent _____

Agent Signature _____

Date _____

4. Treatment Facility

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

YES NO

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

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

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

- b. Name of Agency, Authority, Municipality _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

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

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

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

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

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

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

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

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

COMPONENT 3 – Section J
Radnor, Haverford & Marple (RHM)

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

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

1. Project Flows 2,100 Total and 1,575 NEW gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

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

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection						
Conveyance	16.8	20.0	6.0	6.5	10.0	15.0
Treatment						

M.G.D.

3. Collection and Conveyance Facilities

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

YES NO

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

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

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

b. Collection System

Name of Agency, Authority, Municipality Radnor Township

Name of Responsible Agent _____

Agent Signature _____

Date _____

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

c. Conveyance System

Name of Agency, Authority, Municipality Radnor Haverford Marple Sewer Authority

Name of Responsible Agent David Adams

Agent Signature *David Adams*

Date 7/9/2019

4. Treatment Facility

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

YES NO

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

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

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

b. Name of Agency, Authority, Municipality _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

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

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

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

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

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

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

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

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

COMPONENT 3 – Section J
Darby Creek Joint Authority,
Springfield Township & Upper Darby
Township

DARBY CREEK JOINT AUTHORITY

c/o DELCORA
P.O. Box 999
Chester, PA 19016-0999

June 25, 2019
File No. 83800-112-RHM

Scott Andress, SEO
Edward B. Walsh & Associates, Inc.
125 Dowlin Forge Road
Exton, Pa 19341

Re: David Semerjian Builders
415 Maplewood Avenue
Radnor Township

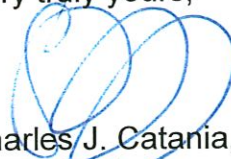
Dear Mr. Andress:

Per your request, the approval at the DCJA Board meeting on May 20, 2019 has been reduced from the approved flow request of 1,837.50 gpd to 1,575 gpd for the above-referenced project. In accordance with the October 2007 Capacity Management Plan for the Darby Creek Interceptor approved by PaDEP on February 2008, the Authority has the capacity to receive the flows. A copy of the Darby Creek Interceptor Capacity Management Plan Flow Allocation Summary is enclosed.

In addition, under an Agreement among RHM Sewer Authority, Springfield Township, Upper Darby Township and Darby Creek Joint Authority, Darby Creek Joint Authority was assigned all management, maintenance and operational duties related to the SCUD Line (a section of the interceptor formerly managed, maintained and operated jointly by Springfield Township and Upper Darby Township). In accordance with the 2002 Connection Management Plan for the SCUD Line, the Authority has capacity to receive the flows. A copy of the SCUD Line Connection Management Plan Flow Allocation Summary is enclosed.

Should you have any questions, feel free to contact me.

Very truly yours,



Charles J. Catania, Jr., PE
Authority Engineer

Darby Creek Joint Authority
Upper SCUD Line
Connection Managment Plan

6/25/2019

		BALANCE	
Agreement Allocation		22539	22539
3/20/2019	Culbertson Elementary School	252.0	22287.0
5/15/2019	415 Maplewood Ave, Radnor	1837.5	20449.5
5/15/2019	3045 West Chester Pike, Marple	1312.5	19137.0
5/15/2019	1 Meadowood Rd, Radnor	525.0	18612.0
5/15/2019	525 Louella Ave, Radnor	262.5	18349.5
5/15/2019	599 Glendale Rd, Haverford	525.0	17824.5
5/15/2019	422 Fourth Ave, Newtown	262.5	17562.0
5/15/2019	20 Reese Ave, Newtown	787.5	16774.5
5/15/2019	217 Walnut Hill Ln, Radnor	262.5	16512.0
5/15/2019	22 Oakland Rd, Marple	525.0	15987.0
5/15/2019	527 Roberts Rd, Radnor	262.5	15724.5
5/15/2019	1200 Ellston Rd, Haverford	262.5	15462.0
5/15/2019	1417 Fairview Ave, Haverford	262.5	15199.5
6/15/2019	415 Maplewood Ave, Radnor	-262.5	15462.0

Darby Creek Joint Authority
Darby Creek Interceptor Capacity Management Plan
Flow Allocation Summary

			DCJA System Total		RHM Total		DCJA Member Total	
			Approved	Balance 90300	Approved	Balance 46987.5	Approved	Balance 4312.5
Oct-07	Jackson Ave, Darby Twp (JC)	Residential	525.00	89775.00		46987.50	525.00	42787.50
Oct-07	3817 Denison Ave, Upper Darby	Residential	1050.00	88725.00		46987.50	1050.00	41737.50
	2006 I & I Credit (RHM)		-10500.00	99225.00	-10500.00	57487.50		41737.50
Feb-08	442 Poplar St, Sharon Hill	Residential	1050.00	98175.00		57487.50	1050.00	40687.50
Feb-08	537 Grand Ave, Haverford	Residential	262.5	97912.50	262.5	57225.00		40687.50
Feb-08	102 Lovella Ave, Radnor	Residential	2363.5	95549.00	2363.5	54861.50		40687.50
Feb-08	115 Petri Ave, Radnor	Residential	262.5	95286.50	262.5	54599.00		40687.50
Apr-08	851 W Lancaster Ave, Tredyffrin	Commercial	8750	86535.50	8750.0	45849.00		40687.50
Apr-08	Haverford Reserve, Haverford	Residential	8705	77831.50	8705.0	37144.00		40687.50
May-08	34 Reese Ave, Newtown	Residential	1050	76781.50	1050.0	36094.00		40687.50
May-08	540-542 Folcroft Ave, Folcroft	Residential	525.00	76256.50		36094.00	525.00	40162.50
Jul-08	Sycamore Ave, Upper Darby	Residential	3150	73106.50		36094.00	3150	37012.50
Jul-08	971 S Hunt Rd, Radnor	Residential	262.5	72844.00	262.5	35831.50		37012.50
Sep-08	236 N Abandon Ave, Radnor	Residential	262.5	72581.50	262.5	35569.00		37012.50
Sep-08	2007 I & I Credit (RHM)		-21348	93929.50	-21348	56917.00		37012.50
Oct-08	1974 Sprout Rd, Maple	Commercial	80	93849.50	80	56837.00		37012.50
Oct-08	813 W Lancaster Ave, Radnor	Commercial	0	93849.50	0	56837.00		37012.50
Oct-08	4812 Drexelbrook Dr, Upper Darby	Commercial	12400	81449.50		56837.00	12400	24612.50
Nov-08	317 Dorset Rd, Easttown	Residential	787.5	80652.00	787.5	55049.50		24612.50
Nov-08	519 Kaiser Cr, Folcroft	Commercial	1710	78852.00		55049.50	1710	22902.50
Dec-08	1629 Ashlon Rd, Haverford	Residential	262.5	78689.50	262.5	55787.00		22902.50
Dec-08	112 N Main Rd, Maple	Residential	1575	77114.50	1575	54212.00		22902.50
Jan-09	1020 Ridge Ave, Darby Borough	Commercial	262.5	76852.00		54212.00	262.5	20840.00
Jan-09	MacDade & Chestnut, Darby Borough	Commercial	2117.5	74734.50		54212.00	2117.5	20522.50
Feb-09	1254 Fairview Ave, Haverford	Residential	525	74209.50	525	53687.00		20522.50
Feb-09	1239 Leedom Rd, Haverford	Residential	262.5	73947.00	262.5	53424.50		20522.50
Feb-09	1300 Fairview Ave, Haverford	Residential	525	73422.00	525	52899.50		20522.50
Feb-09	145 King of Prussia Rd, Radnor	Commercial	12451	60971.00	12451	40448.50		20522.50
Mar-09	Coventry Woods, Springfield	Residential	6037.5	54933.50		40448.50	6037.5	14485.00
Mar-09	200 N Radnor-Chester Rd, Radnor	Commercial	8025	46908.50	8025	32423.50		14485.00
Mar-09	221-223 Bella Vista Rd, Easttown	Residential	262.5	46646.00	262.5	32161.00		14485.00
Mar-09	1301 Fairview Ave, Haverford	Residential	262.5	46383.50	262.5	31898.50		14485.00
Apr-09	1020 Ridge Ave, Darby Borough	Commercial	1312.5	45071.00		31898.50	1312.5	13172.50
May-09	1344 West Chester Pike, Haverford	Residential	262.5	44808.50	262.5	31636.00		13172.50
	2008 I & I Credit (RHM)		-37717.00	82525.50	-37717.00	89353.00		13172.50
Jun-09	20 Surrey Dr, Newtown	Residential	262.5	82263.00	262.5	69090.50		13172.50
Jul-09	Eastern University (Fowler), Radnor	Institutional	2000	80263.00	2000	67090.50		13172.50
Sep-09	5050 Fairway Rd, Upper Darby	Commercial	533	79730.00		67090.50	533	12639.50
	I & I Credit (Upper Darby Twp)		-8014	87744.00		67090.50	-8014	20653.50
Oct-09	Collingdale Swim Club	Residential	262.5	87481.50		67090.50	262.5	20391.00
Nov-09	2628 Franklin Ave, Maple	Residential	262.5	87219.00	262.5	66828.00		20391.00
Nov-09	222 Sugarloaf Rd, Radnor	Commercial	0	87219.00		66828.00	0	20391.00
Nov-09	408 Lansdowne Ave, Yeadon	Residential	600	86619.00		66828.00	600	19791.00
Dec-09	45 Maple Rd, Haverford	Residential	262.5	86356.50	262.5	65855.50		19791.00
May-10	615 Newtown Rd, Radnor	Residential	787.5	85569.00	787.5	65778.00		19791.00
Oct-10	Bon Air & Royal Aves, Haverford	Residential	262.5	85306.50	262.5	65515.50		19791.00
Nov-10	416 S 4th St, Darby	Residential	2243	83063.50		65515.50	2243	17548.00
Nov-10	111 S Wyzombe Ave, Lansdowne	Residential	262.5	82801.00		65515.50	262.5	17285.50
Nov-10	24-48 Baltimore Ave, Lansdowne	Residential	0	82801.00		65515.50	0	17285.50
Dec-10	513 S Roberts Rd, Radnor	Residential	262.5	82538.50	262.5	65253.00		17285.50
Apr-11	MacDade & Chestnut, Darby Borough	Commercial	1837.5	80701.00		65253.00	1837.5	15448.00
Jun-11	1313 Center Rd, Haverford	Residential	525	80176.00	525	64728.00		15448.00
Jun-11	1001 Cedar Ave, Yeadon	Commercial	74	80102.00		64728.00	74	15374.00
Jun-11	712-714 Sharon Ave, Darby Twp	Residential	525	79577.00	525	64203.00		15374.00
Jul-11	516-518 Main St, Darby Borough	Commercial	960	78817.00		64203.00	960	14414.00
Sep-11	412 Conestoga Rd, Radnor	Residential	262.5	78254.50	262.5	63940.50		14414.00
Oct-11	1217 Bon Air Rd, Haverford	Residential	787.5	77967.00	787.5	63153.00		14414.00
Oct-11	Ellis Rd - Merion Golf Club	Commercial	240	77327.00	240	62913.00		14414.00
Nov-11	117 Sugartown Rd, Easttown	Residential	262.5	77064.50	262.5	62650.50		14414.00
Jan-12	1518 Steel Rd, Haverford	Residential	262.5	76802.00	262.5	62388.00		14414.00
Jan-12	Courtney Circle PS Diversion, Radnor	Residential	12337.5	64464.50	12337.5	50050.50		14414.00
Jan-12	1430 County Line Rd, Radnor	Residential	2625	61839.50	2625	47425.50		14414.00
Jan-12	Berkley Rd, Tredyffrin	Commercial	1650	60189.50	1650	45775.50		14414.00
Feb-12	BFG PH 1 of Sector 1, Newtown	Commercial	0	60189.50	0	45775.50		14414.00
Feb-12	Animal Protection Board, Darby Twp	Institutional	2140	58049.50		45775.50	2140	12274.00
Mar-12	606 W Wayne Ave, Radnor	Residential	262.5	57787.00	262.5	45513.00		12274.00
Mar-12	4130 Huey Ave, Upper Darby	Residential	262.5	57524.50		45513.00	262.5	12011.50
Mar-12	237-245 Lancaster Ave, Radnor	Commercial	-540	58064.50	-540	48053.00		12011.50
Apr-12	700 Chester Pike, Sharon Hill	Commercial	2800	55264.50		46053.00	2800	9211.50
Apr-12	231 N Rolling Rd, Springfield	Residential	262.5	55002.00		46053.00	262.5	8949.00
May-12	700 Chester Pike, Sharon Hill	Commercial	3367	51635.00		46053.00	3367	5582.00
Oct-12	527 St Davids Ave, Radnor	Residential	262.5	51372.50	262.5	45790.50		5582.00
Oct-12	370 Main Rd, Radnor	Residential	262.5	51110.00	262.5	45527.00		5582.00
Nov-12	I&I Credit (Clifton Heights)		-9000	60110.00		45527.00	-9000	14582.00
Nov-12	254 Davis Ave, Clifton Heights	Residential	2625	57485.00		45527.00	2625	11957.00
Nov-12	4 Rockbourne Rd, Clifton Heights	Commercial	660	56825.00		45527.00	660	11297.00
Jan-13	2009 I&I Credit RHM		-76932	133757.00	-76932	122459.00		11297.00
Jan-13	2010 I&I Credit RHM		-50757	184514.00	-50757	173216.00		11297.00
Jan-13	2009 I&I Credit Springfield		-26510	211024.00		173216.00	-26510	37807.00
Jan-13	Haverford Reserve, Haverford	Residential	13134	197890.00	13134	160082.00		37807.00

Chapter 94 Consistency Table					
Design Capacity		Present Flows		Projected Flows	
Average	Peak	Average	Peak	Average	Peak
21370000	29340000	21370000.0	29340000.0		
21469225	29439225	21370000.0	29340000.0	21469225	29439225
21469225	29439225	21371050.0	29341050.0	21469225	29439225
21469225	29439225	21371312.5	29341312.5	21469225	29439225
21469225	29439225	21373676.0	29343676.0	21469225	29439225
21469225	29439225	21373938.5	29343938.5	21469225	29439225
21469225	29439225	21382688.5	29352688.5	21469225	29439225
21469225	29439225	21391393.5	29361393.5	21469225	29439225
21469225	29439225	21392443.5	29362443.5	21469225	29439225
21469225	29439225	21392968.5	29362968.5	21469225	29439225
21469225	29439225	21396118.5	29366118.5	21469225	29439225
21469225	29439225	21396381.0	29366381.0	21469225	29439225
21469225	29439225	21396643.5	29366643.5	21469225	29439225
21490573	29460573	21396643.5	29366643.5	21490573	29460573
21490573	29460573	21396723.5	29366723.5	21490573	29460573
21490573	29460573	21396723.5	29366723.5	21490573	29460573
21490573	29460573	21409123.5	29379123.5	21490573	29460573
21490573	29460573	21409911.0	29379911.0	21490573	29460573
21490573	29460573	21411621.0	29381621.0	21490573	29460573
21490573	29460573	21411883.5	29381883.5	21490573	29460573
21490573	29460573	21413458.5	29383458.5	21490573	29460573
21490573	29460573	21413721.0	29383721.0	21490573	29460573
21490573	29460573	21415938.5	29385938.5	21490573	29460573
21490573	29460573	21416363.5	29386363.5	21490573	29460573
21490573	29460573	21416526.0	29386526.0	21490573	29460573
21490573	29460573	21417151.0	29387151.0	21490573	29460573
21490573	29460573	21429602.0	29399602.0	21490573	29460573
21490573	29460573	21435639.5	29405639.5	21490573	29460573
21490573	29460573	21443664.5	29413664.5	21490573	29460573
21490573	29460573	21443927.0	29413927.0	21490573	29460573
21490573	29460573	21444189.5	29414189.5	21490573	29460573
21490573	29460573	21445502.0	29415502.0	21490573	29460573
21490573	29460573	21445764.5	29415764.5	21490573	29460573
21582890	29498290	21445764.5	29415764.5	21490573	29460573
21582890	29498290	21446027.0	29416027.0	21490573	29460573
21582890	29498290	21446027.0	29416027.0	21490573	29460573
21582890	29498290	21448560.0	29418560.0	21490573	29460573
21536304	29506304	21448560.0	29418560.0	21490573	29460573
21536304	29506304	21448822.5	29418822.5	21490573	29460573
21536304	29506304	21449085.0	29419085.0	21490573	29460573
21536304	29506304	21449085.0	29419085.0	21490573	29460573
21536304	29506304	21449685.0	29419685.0	21490573	29460573
21536304	29506304	21449947.5	29419947.5	21490573	29460573
21536304	29506304	21450735.0	29420735.0	21490573	29460573
21536304	29506304	21450997.5	29420997.5	21490573	29460573
21536304	29506304	21453240.5	29423240.5	21490573	29460573
21536304	29506304	21453503.0	29423503.0	21490573	29460573
21536304	29506304	21453503.0	29423503.0	21490573	29460573
21536304	29506304	21453765.5	29423765.5	21490573	29460573
21536304	29506304	21455603.0	29425603.0	21490573	29460573
21536304	29506304	21456128.0	29426128.0	21490573	29460573
21536304	29506304	21456202.0	29426202.0	21490573	29460573
21536304	29506304	21456727.0	29426727.0	21490573	29460573
21536304	29506304	21457687.0	29427687.0	21490573	29460573
21536304	29506304	21457949.5	29427949.5	21490573	29460573
21536304	29506304	21458737.0	29428737.0	21490573	29460573
21536304	29506304	21458977.0	29428977.0	21490573	29460573
21536304	29506304	21459239.5	29429239.5	21490573	29460573
21536304	29506304	21459502.0	29429502.0	21490573	29460573
21536304	29506304	21471839.5	29441839.5	21490573	29460573
21536304	29506304	21474464.5	29444464.5	21490573	29460573
21536304	29506304	21476114.5	29446114.5	21490573	29460573
21536304	29506304	21476114.5	29446114.5	21490573	29460573
21536304	29506304	21478254.5	29448254.5	21490573	29460573
21536304	29506304	21478517.0	29448517.0	21490573	29460573
21536304	29506304	21478779.5	29448779.5	21490573	29460573
21536304	29506304	21478239.5	29448239.5	21490573	29460573
21536304	29506304	21481039.5	29451039.5	21490573	29460573
21536304	29506304	21481302.0	29451302.0	21490573	29460573
21536304	29506304	21484669.0	29454669.0	21490573	29460573
21536304	29506304	21484931.5	29454931.5	21490573	29460573
21536304	29506304	21485194.0	29455194.0	21490573	29460573
21545304	29515304	21485194.0	29455194.0	21490573	29460573
21545304	29515304	21487819.0	29457819.0	21490573	29460573
21545304	29515304	21488479.0	29458479.0	21490573	29460573
21622236	29592236	21488479.0	29458479.0	21490573	29460573
21672993	29642993	21488479.0	29458479.0	21490573	29460573
21699503	29669503	21488479.0	29458479.0	21490573	29460573
21699503	29669503	21501613.0	29471613.0	21490573	29460573
21699503	29669503	21501613.0	29471613.0	21490573	29460573

Jan-13	200 Ithan Creek Rd, Radnor	Residential	525	197365.00	525	159557.00		37807.00
Jan-13	Stratford Station Apts, Tredyffrin	Residential	2625	194740.00	2625	158932.00		37807.00
Jan-13	229 W Wayne Ave, Radnor	Residential	1575	193165.00	1575	155357.00		37807.00
Jan-13	3590 West Chester Pike, Newtown	Commercial	1575	191590.00	1575	153782.00		37807.00
Jan-13	615 Newtown Rd, Radnor	Residential	2100	189490.00	2100	151682.00		37807.00
Jan-13	Munger & Newtown St Rd, Newtown	Residential	787.5	188702.50	787.5	150894.50		37807.00
Mar-13	411 Timber Lane, Newtown	Residential	262.5	188440.00	262.5	150632.00		37807.00
May-13	11 Northwood Rd, Newtown	Residential	262.5	188177.50	262.5	150369.50		37807.00
Jul-13	1504 Steel Rd, Haverford	Residential	262.5	187915.00	262.5	150167.00		37807.00
Jul-13	3599 West Chester Pike, Newtown	Commercial	200	187715.00	200	149907.00		37807.00
Sep-13	50 Hilltop Rd, Haverford	Institutional	100	187615.00	100	149807.00		37807.00
Sep-13	110 S Wycombe Ave, Lansdowne	Residential	262.5	187352.50		149807.00	262.5	37544.50
Sep-13	103-105 Glenwood Ave, Clifton Heights	Residential	525	186827.50		149807.00	262.5	37282.00
Oct-13	1254 Leedom Rd, Haverford	Residential	262.5	186565.00	262.5	149544.50		37282.00
Dec-13	809 Longacre Blvd, Yeadon	Institutional	250	186315.00		149544.50	250	37032.00
Jan-14	115 Stratford Ave, Radnor	Residential	2887.5	184272.50	2887.5	146657.00		37032.00
Feb-14	301 S Valley Forge Rd, Tredyffrin	Residential	1375	182052.50	1375	145282.00		37032.00
Mar-14	3500 West Chester Pike, Newtown	Residential	10500	171552.50	10500	134782.00		37032.00
Mar-14	1220 Chester Pike, Sharon Hill	Commercial	130	171422.50		134782.00	130	36902.00
May-14	30 Lawrence Rd, Maple	Commercial	1427	169995.50	1427	133355.00		36902.00
May-14	2609 Sunset Blvd, Maple	Residential	262.5	169733.00	262.5	133092.50		36902.00
Jun-14	Androssan Farm, Radnor	Residential	19950	149783.00	19950	113142.50		36902.00
Jul-14	24 W Baltimore Ave, Lansdowne	Commercial	400	149383.00		113142.50	400	36502.00
Sep-14	Surrey Services, Tredyffrin	Commercial	397	148986.00	397	112745.50		36502.00
Oct-14	205 Stratford Rd, Radnor	Residential	1050	147936.00	1050	111695.50		36502.00
Dec-14	217 Pine Tree Rd, Radnor	Residential	262.5	147673.50	262.5	111433.00		36502.00
Dec-14	771-797 E Lancaster Ave, Radnor	Commercial	6055	141618.50	6055	105378.00		36502.00
Jun-15	120-124 Bloomingdale Ave, Radnor	Residential	1050	140568.50	1050	104328.00		36502.00
Jul-15	Villanova CCID Development	Commercial	-43968	184536.50	-43968	148298.00		36502.00
Jul-15	Ellis Preserve	Commercial	15000	169536.50	15000	133298.00		36502.00
Sep-15	Proffco, Berkley & Greenhill, Maple	Residential	262.5	169274.00	262.5	133033.50		36502.00
Feb-16	227-229 Plant Ave, Radnor	Residential	1050	168224.00	1050	131983.50		36502.00
Feb-16	Langford Sq, Maple	Residential	7875	160349.00	7875	124108.50		36502.00
Feb-16	Emmaus House - Cabrin, Radnor	Institutional	50	160289.00	50	124058.50		36502.00
Mar-16	2200 West Chester Pike, Maple	Institutional	1050	159249.00	1050	123008.50		36502.00
Apr-16	Sposato - Steel Rd, Haverford	Residential	525	158724.00	525	122483.50		36502.00
Apr-16	Fox Hollow, Maple	Residential	3150	155574.00	3150	118333.50		36502.00
May-16	Brighview, Conestoga Rd, Tredyffrin	Residential	16660	138914.00	11660	107673.50		36502.00
May-16	Fairfield Inn, Lawrence Rd, Maple	Commercial	6000	132914.00	6000	101673.50		36502.00
Jun-16	212-216 Bloomingdale Ave, Radnor	Residential	1050	131864.00	1050	100623.50		36502.00
Jul-16	Radnor Library, Radnor	Institutional	774	131090.00	774	99849.50		36502.00
Sep-16	131-133 Garrett Ave, Radnor	Residential	525	130565.00	525	99324.50		36502.00
Sep-16	1235 Steel Rd, Haverford	Residential	262.5	130302.50	262.5	99062.00		36502.00
Oct-16	Baltimore Ave & Jackson St, Clifton Heights	Commercial	1149	129153.50		99062.00	1149	35353.00
Oct-16	741 Newtown Rd, Radnor	Residential	525	128628.50	525	98537.00		35353.00
Dec-16	Maple Assoc, West Chester Pike, Maple	Commercial	14175	114453.50	14175	84362.00		35353.00
Jan-17	Baltimore Ave & Jackson St, Clifton Heights	Commercial	-1149	115602.50		84362.00	-1149	35200.00
Jan-17	Baltimore Ave & Jackson St, Clifton Heights	Commercial	1302	114300.50		84362.00	1302	35200.00
Feb-17	20-22 Berkley Rd, Tredyffrin	Residential	1312.5	112988.00	1312.5	83049.50		35200.00
Mar-17	Harvard Ln, Radnor	Residential	3675	109313.00	3675	79374.50		35200.00
Apr-17	20-22 Berkley Rd, Tredyffrin	Residential	-262.5	109575.50	-262.5	79637.00		35200.00
Sep-17	20-22 Berkley Rd, Tredyffrin	Residential	262.5	109313.00	262.5	79374.50		35200.00
Sep-17	427 E Lancaster Ave, Radnor	Residential	4535	104778.00	4535	74839.50		35200.00
Oct-17	Cabrin University, Radnor	Institutional	9350	95428.00	9350	65489.50		35200.00
Jan-18	810 MacDade Blvd, Collingdale	Commercial	0	95428.00		65489.50		35200.00
Jul-18	106-108 Cambria Ct, Radnor	Residential	262.5	95165.50	262.5	65227.00		35200.00
Nov-18	82 N Lansdowne Ave, Lansdowne	Residential	2274	92891.50		65227.00	2274	32926.00
Mar-19	3530 Goshen Rd (Culbertson School), Newtown	Institutional	252	92639.50	252	64975.00		32926.00
May-19	1 Meadowood Rd, Radnor	Residential	525	92114.50	525	64450.00		32926.00
May-19	599 Glendale Rd, Haverford	Residential	525	91899.50	525	63925.00		32926.00
May-19	20 Reese Ave, Newtown	Residential	787.5	90802.00	787.5	63137.50		32926.00
May-19	415 Maplewood Ave, Radnor	Residential	1837.5	88964.50	1837.5	61300.00		32926.00
May-19	3045 West Chester Pike, Maple	Commercial	1312.5	87652.00	1312.5	59987.50		32926.00
May-19	217 Walnut Hill Rd, Haverford	Residential	262.5	87389.50	262.5	59725.00		32926.00
May-19	525 Louella Ave, Radnor	Residential	262.5	87127.00	262.5	59462.50		32926.00
May-19	422 Fourth Ave, Newtown	Residential	262.5	86864.50	262.5	59200.00		32926.00
May-19	22 Oakland Rd, Maple	Residential	525	86339.50	525	58675.00		32926.00
May-19	527 Roberts Rd, Radnor	Residential	262.5	86077.00	262.5	58412.50		32926.00
May-19	1200 Elston Rd, Haverford	Residential	262.5	85814.50	262.5	58150.00		32926.00
May-19	1417 Fairview Rd, Haverford	Residential	262.5	85552.00	262.5	57887.50		32926.00
Jun-19	43-45 Eagle Rd, Springfield	Residential	0	85552.00		57887.50	0	32926.00
Jun-19	415 Maplewood Ave, Radnor	Residential	-262.5	85814.50	-262.5	58150.00		32926.00

21699503	29669503	21502138.0	29472138.0	21469225	29439225
21699503	29669503	21504763.0	29474763.0	21469225	29439225
21699503	29669503	21506338.0	29476338.0	21469225	29439225
21699503	29669503	21507913.0	29477913.0	21469225	29439225
21699503	29669503	21510013.0	29480013.0	21469225	29439225
21699503	29669503	21510800.5	29480800.5	21469225	29439225
21699503	29669503	21511063.0	29481063.0	21469225	29439225
21699503	29669503	21511325.5	29481325.5	21469225	29439225
21699503	29669503	21511588.0	29481588.0	21469225	29439225
21699503	29669503	21511788.0	29481788.0	21469225	29439225
21699503	29669503	21511888.0	29481888.0	21469225	29439225
21699503	29669503	21512150.5	29482150.5	21469225	29439225
21699503	29669503	21512675.5	29482675.5	21469225	29439225
21699503	29669503	21512938.0	29482938.0	21469225	29439225
21699503	29669503	21513188.0	29483188.0	21469225	29439225
21699503	29669503	21516075.5	29486075.5	21469225	29439225
21699503	29669503	21517450.5	29487450.5	21469225	29439225
21699503	29669503	21527950.5	294897950.5	21469225	29439225
21699503	29669503	21528080.5	29489808.5	21469225	29439225
21699503	29669503	21529507.5	29499507.5	21469225	29439225
21699503	29669503	21529770.0	29499770.0	21469225	29439225
21699503	29669503	21529720.0	29519720.0	21469225	29439225
21699503	29669503	21550120.0	29520120.0	21469225	29439225
21699503	29669503	21550517.0	29520517.0	21469225	29439225
21699503	29669503	21551567.0	29521567.0	21469225	29439225
21699503	29669503	21551829.5	29521829.5	21469225	29439225
21699503	29669503	21557884.5	29527884.5	21469225	29439225
21699503	29669503	21558934.5	29528934.5	21469225	29439225
21699503	29669503	21514866.5	29484866.5	21469225	29439225
21699503	29669503	21529966.5	29499966.5	21469225	29439225
21699503	29669503	21530229.0	29500229.0	21469225	29439225
21699503	29669503	21531279.0	29501279.0	21469225	29439225
21699503	29669503	21539154.0	29509154.0	21469225	29439225
21699503	29669503	21539204.0	29509204.0	21469225	29439225
21699503	29669503	21540254.0	29510254.0	21469225	29439225
21699503	29669503	21540779.0	29510779.0	21469225	29439225
21699503	29669503	21543920.0	29513920.0	21469225	29439225
21699503	29669503	21560589.0	29530589.0	21469225	29439225
21699503	29669503	21566589.0	29536589.0	21469225	29439225
21699503	29669503	21567639.0	29537639.0	21469225	29439225
21699503	29669503	21568413.0	29538413.0	21469225	29439225
21699503	29669503	21568938.0	29538938.0	21469225	29439225
21699503	29669503	21569200.5	29539200.5	21469225	29439225
21699503	29669503	21570348.5	29540348.5	21469225	29439225
21699503	29669503	21570874.5	29540874.5	21469225	29439225
21699503	29669503	21585049.5	29555049.5	21469225	29439225
21699503	29669503	21589900.5	29559900.5	21469225	29439225
21699503	29669503	21585202.5	29555202.5	21469225	29439225
21699503	29669503	21586515.0	29556515.0	21469225	29439225
21699503	29669503	21590190.0	29560190.0	21469225	29439225
21699503	29669503	21598927.5	29559827.5	21469225	29439225
21699503	29669503	21590190.0	29560190.0	21469225	29439225
21699503	29669503	21594725.0	29564725.0	21469225	29439225
21699503	29669503	21604075.0	29574075.0	21469225	29439225
21699503	29669503	21604075.0	29574075.0	21469225	29439225
21699503	29669503	21604337.5	29574337.5	21469225	29439225
21699503	29669503	21606611.5	29576611.5	21469225	29439225
21699503	29669503	21606863.5	29576863.5	21469225	29439225
21699503	29669503	21607388.5	29577388.5	21469225	29439225
21699503	29669503	21607913.5	29577913.5	21469225	29439225
21699503	29669503	21608701.0	29578701.0	21469225	29439225
21699503	29669503	21610538.5	29580538.5	21469225	29439225
21699503	29669503	21611851.0	29581851.0	21469225	29439225
21699503	29669503	21612113.5	29582113.5	21469225	29439225
21699503	29669503	21612376.0	29582376.0	21469225	29439225
21699503	29669503	21612638.5	29582638.5	21469225	29439225
21699503	29669503	21613163.5	29583163.5	21469225	29439225
21699503	29669503	21613426.0	29583426.0	21469225	29439225
21699503	29669503	21613688.5	29583688.5	21469225	29439225
21699503	29669503	21613951.0	29583951.0	21469225	29439225
21699503	29669503	21613951.0	29583951.0	21469225	29439225
21699503	29669503	21613888.5	29583888.5	21469225	29439225

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

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

1. Project Flows 2,100 Total and 1,575 NEW gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

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

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

DCJA	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection						
Conveyance	21,699,503	29,669,503	21,610,538.5	29,580,538.5	21,469,225	29,439,225
Treatment						

3. Collection and Conveyance Facilities

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

YES NO

- a. ☐ ☒ This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system?

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

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

b. Collection System

Name of Agency, Authority, Municipality _____

Name of Responsible Agent _____

Agent Signature _____ Date _____

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

c. Conveyance System

Name of Agency, Authority, Municipality Darby Creek Joint Authority

Name of Responsible Agent Charles J. Catania Jr

Agent Signature *Charles J. Catania Jr*

Date 5/20/19

4. Treatment Facility

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

YES NO

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

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

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

- b. Name of Agency, Authority, Municipality _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

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

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

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

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

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

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

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

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

COMPONENT 3 – Section J
DELCORA



DELAWARE COUNTY REGIONAL WATER QUALITY CONTROL AUTHORITY
P.O. Box 999 • Chester, PA 19016-0999

JUL 29 2019

July 24, 2019

via email: sandress@ebwalshinc.com

Scott Address, SEO
Edward B. Walsh & Associates, Inc.
Lionville Professional Center
125 Dowlin Forge Road
Exton, PA 19341

RE: Sewage Facilities Planning Module
David Semerjian Builders
415 Maplewood Ave., Radnor Township

Dear Mr. Address:

We are in receipt of check #3080 from David Semerjian Custom Builders in the amount of \$9,000.00 for the tapping fee for the revised 6 EDUs for this project. Should the project not go forward, this fee will be refunded upon written request.

Please be advised that DELCORA has sufficient capacity at the Darby Creek Pump Station to accept the 1,575 GPD (6 EDUs) from the referenced project. The additional load from the project will not create a hydraulic or an organic overload, or a five-year projected overload. The conveyance system has adequate capacity to meet the criteria set forth in Section 71.51(b)(2)(iii) of the PADEP Rules and Regulations for this project's wastewater flows.

Please note that DELCORA previously approved 1,837.5 gpd / 7 EDUs for the same site in a letter dated January 31, 2018.

Sincerely,

Robert J. Willert
Executive Director

RJW:bab
attachment

cc: C. Hurst - via email
C. Catania, Jr., CEA - via email
Accounting - via email
File - Project #2019-0682

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

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

1. Project Flows 2,100 Total and 1,575 NEW gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

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

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection						
Conveyance	30.0 MGD	60.0 MGD	18.13 MGD	38.24 MGD	19.30 MGD	40.71 MGD
Treatment						

3. Collection and Conveyance Facilities

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

YES NO

- a. ☐ ☒ This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system?

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

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

- b. Collection System

Name of Agency, Authority, Municipality _____

Name of Responsible Agent _____

Agent Signature _____ Date _____

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

c. Conveyance System

Name of Agency, Authority, Municipality Delaware County Regional Authority

Name of Responsible Agent Robert Willert

Agent Signature *Robert Willert*

Date 7/25/19

4. Treatment Facility

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

YES NO

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

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

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

- b. Name of Agency, Authority, Municipality _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

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

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

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

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

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

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

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

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

COMPONENT 3 – Section J
Philadelphia SW Treatment Plant



Debra McCarty, Water Commissioner

August 13, 2019
Via E-mail

Andrew Eberwein
Edward B. Walsh and Assoc. Inc.
125 Dowlin Forge Road
Exton, PA 19341

SUBJECT: **Request for Capacity Certification**
415 Maplewood Avenue
PWD Code No. 201905-011
Radnor Township, Delaware County

Mr. Eberwein:

The Philadelphia Water Department has completed the portions pertaining to the City of Philadelphia on the enclosed pages 3, 6 and 7 of the planning module for the above referenced project and certifies that there is adequate capacity within the City of Philadelphia's conveyance and treatment facilities to receive and treat the sewage flows from this new land development. The waste load from the proposed new land development will not create a hydraulic or organic overload or a five-year projected overload from the date of this letter that is inconsistent with the City's approved Combined Sewer Overflow Plan. This certification is for conveyance capacity within the City of Philadelphia sewerage system and treatment for a flow of 1,575 gpd at the City's Southwest Water Pollution Control Plant (NPDES Permit No. PA 0026671, Clean Streams Law Permit No. 5173401) only and should not be construed as a certification of collection or conveyance capacity outside the City of Philadelphia.

Please note that the City of Philadelphia may rescind this capacity certification should an unforeseen capacity issue arise or if the PA Department of Environmental Protection or other regulatory agency restricts or bans additional flows to any portion of the City's sewerage system to which the project is tributary.

Sincerely,

Eric Ponert
Sewage Enforcement Officer

J. CHAPTER 94 CONSISTENCY DETERMINATION (See Section J of Instructions)

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

1. Project Flows 2,100 Total and 1,575 NEW gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

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

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection						
Conveyance						
Treatment*	200	400	165.6	186.4	172.9	196

3. Collection and Conveyance Facilities **(MOD) PHILA. SWWPCP*

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

YES NO

- a. ☐ ☐ This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system?

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

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

- b. Collection System

Name of Agency, Authority, Municipality _____

Name of Responsible Agent _____

Agent Signature _____ Date _____

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

c. Conveyance System

Name of Agency, Authority, Municipality _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

4. Treatment Facility

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

YES NO

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

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

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

b. Name of Agency, Authority, Municipality PHILA. WATER DEPT.

Name of Responsible Agent ERIC PONERT, S.E.O.

Agent Signature *Eric Ponert*

Date 8/13/19

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

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

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

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

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

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

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

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

COMPONENT 3

Continued

☐ **N. DETAILED HYDROGEOLOGIC STUDY** (See Section N of instructions)

☐ The detailed hydrogeologic information required in Section N. of the instructions is attached.

O. SEWAGE MANAGEMENT (See Section O of instructions)

(1-3 for completion by the developer(project sponser), 4-5 for completion by the non-municipal facility agent and 6 for completion by the municipality)

Yes No

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

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

2. Project Flows _____ gpd

Yes No

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

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

(For completion by non-municipal facility agent)

4. Collection and Conveyance Facilities

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

Yes No

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

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

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

- b. Collection System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

- c. Conveyance System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

5. Treatment Facility

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

Yes No

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

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

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

- b. Name of Facility _____
Name of Responsible Agent _____
Agent Signature _____
Date _____

(For completion by the municipality)

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

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

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

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

Yes No

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

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

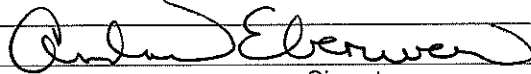
9. ☐ ☒ Does the project involve the use of large volume onlot sewage disposal systems (Flow > 10,000 gpd)?
10. ☐ ☒ Does the project require resolution of a conflict between the proposed alternative and consistency requirements contained in §71.21(a)(5)(i), (ii), (iii)?
11. ☐ ☒ Will sewage facilities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

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

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

Andrew Eberwein

Name (Print)



Signature

Project Manager Edward B. Walsh and Associates, Inc.

Title

9-16-19

Date

125 Dowlin Forge Road, Exton, Pa 19341

Address

6109030029

Telephone Number

R. REVIEW FEE (See Section R of instructions)

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

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

County Recorder of Deeds for _____ County, Pennsylvania

Deed Volume _____ Book Number _____

Page Number _____ Date Recorded _____

R. REVIEW FEE (continued)

Formula:

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

$$\#8 \quad \text{Lots (or EDUs)} \times \$50.00 = \$400$$

The fee is based upon:

- The number of lots created or number of EDUs whichever is higher.
 - For community sewer system projects, one EDU is equal to a sewage flow of 400 gallons per day.
2. For a surface or subsurface discharge system, use the appropriate one of these formulae.

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

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

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

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

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

The fee is based upon:

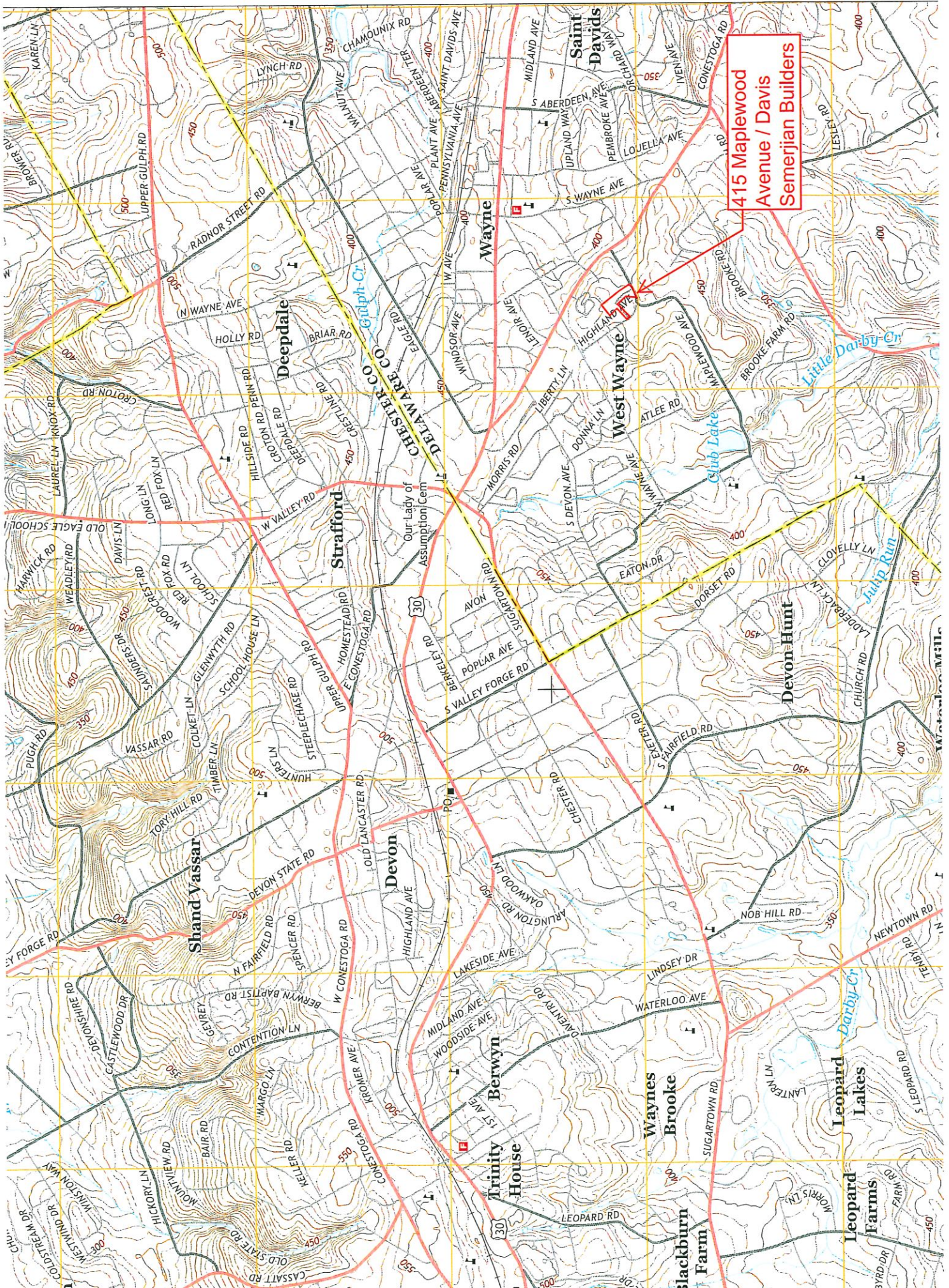
- The number of lots created or number of EDUs whichever is higher.
- For community sewage system projects one EDU is equal to a sewage flow of 400 gallons per day.
- For non-single family residential projects, EDUs are calculated using projected population figures

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

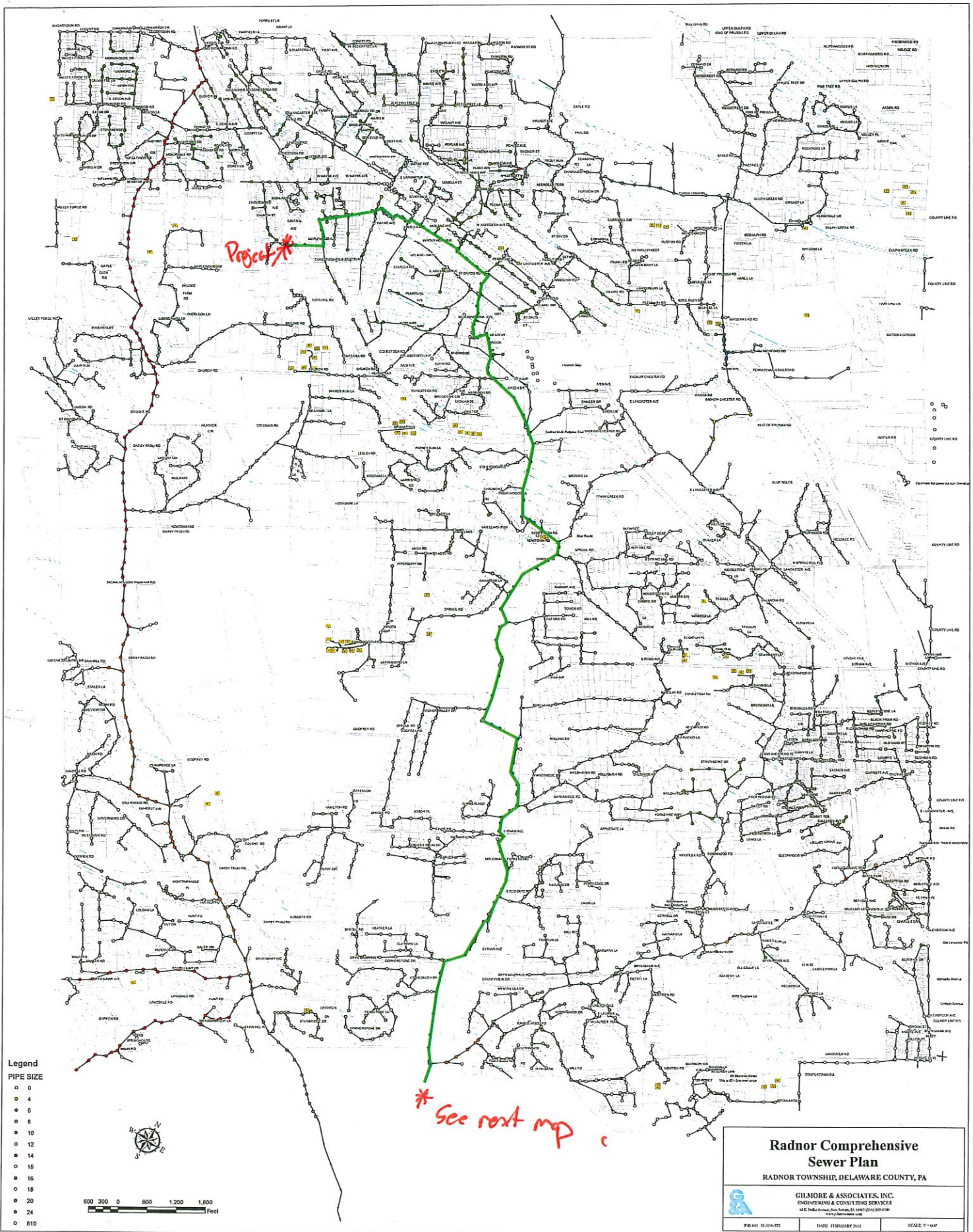
\$ 1,500 per submittal (non-municipal)
\$ 500 per submittal (municipal)

COMPONENT 3
ADDITIONAL INFORMATION

U.S.G.S MAP

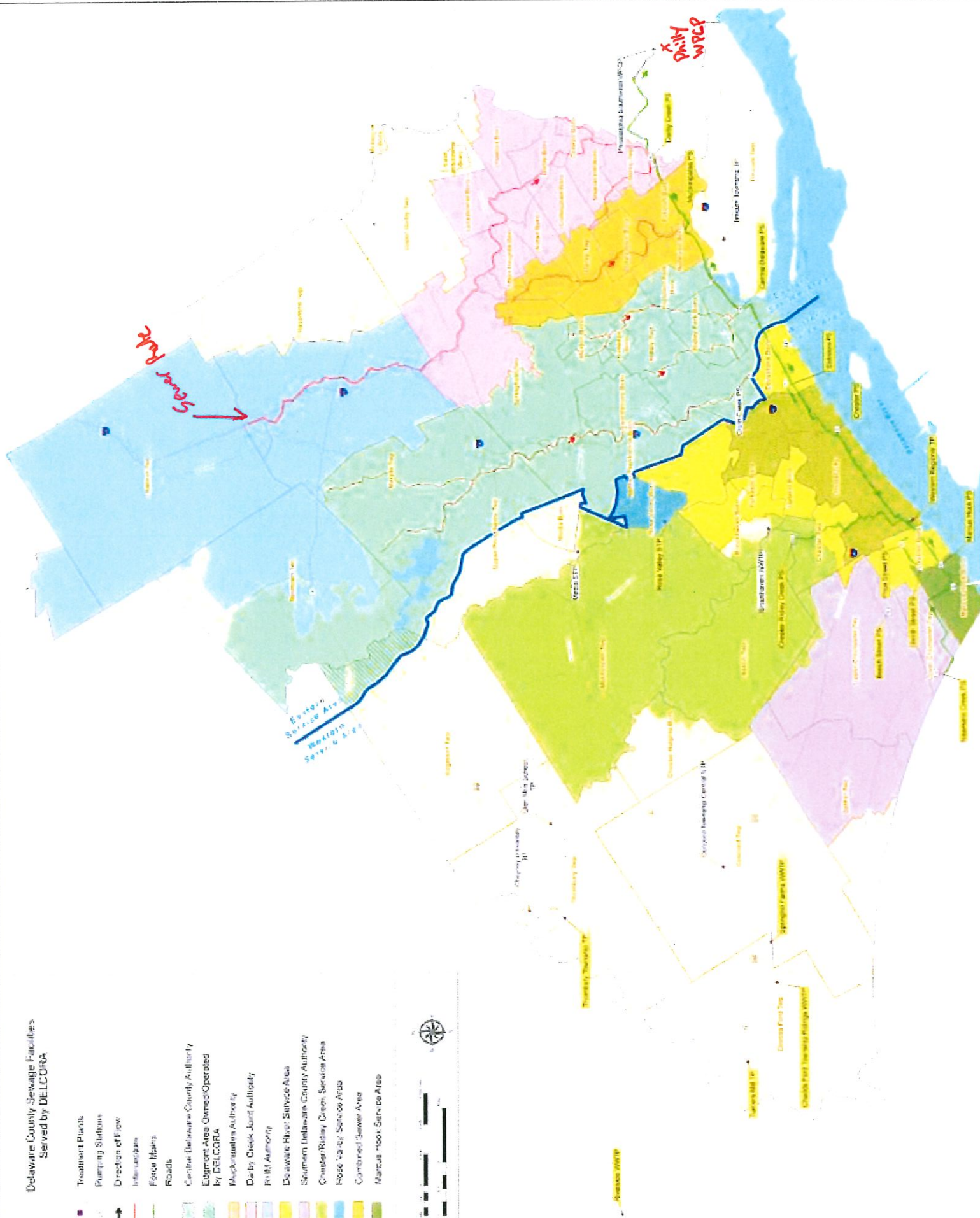


Map showing General Sewer Routing from the Project to the Treatment Plant



Delaware County Sewerage Facilities Served by DELCORA

- Treatment Plants
- Pumping Stations
- Direction of Flow
- Inflow/Infiltration
- Force Mains
- Roads
- Central Delaware County Authority
- Edgmont Area Owned/Operated by DELCORA
- Mechanicsville Authority
- Darby Creek Joint Authority
- PRM Authority
- DeLaware River Service Area
- Southern Delaware County Authority
- Chandler/Ridley Green Sewerage Area
- Rose Valley Sewerage Area
- Combined Sewer Area
- Marcus Hook Sewerage Area



COMPONENT 3 – SECTION E
AVAILABILITY OF DRINKING WATER
SUPPLY

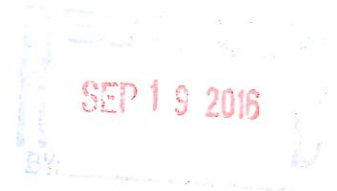
Section E – Availability of Drinking Water Supply

The project will utilize public water supplied by AQUA Pa. A water will serve letter will be provided once it has been received.



April 7, 2016

Scott J. Andress
E.B. Walsh and Associates
125 Dowlin Forge Road
Exton, PA 19341



Re: Water Availability
415 Maplewood Avenue
Radnor Township, Delaware County

Dear Mr. Andress:

This letter will serve as confirmation that the above referenced project is situated within Aqua Pennsylvania, Inc.'s ("Aqua") service territory. Service can be provided in accordance with Aqua's Rules and Regulations.

Service to this project will require a main extension. Main extension projects are completed under a Builder's Extension Agreement. Under this agreement, the Builder is responsible for installing the main extension, including fire hydrants and service connections, with a pre-qualified contractor that he or she hires. In addition, the Builder is required to have his or her engineer prepare main extension plans in accordance with Aqua plan specifications and submit these plans to Aqua for review and approval. To proceed with this project please forward a full set of land development and updated main extension plans to our New Business Representative, Gary Horne.

Once all of the requirements have been met and the main extension plans have been approved the builder will be able to enter into a Builder's Extension Agreement which will require an escrow for the cost of the main extension. Please have your engineer contact our New Business Representative, Gary Horne, to review plan requirements. Gary can be reached at (610) 645-4230.

Flow data information for this area, if required, is available upon written request to Lisa Thomas-Oliva of our Production Department so that you may determine the adequacy of our supply for your project needs. If you have specific questions related to flow test requests, you may reach Mrs. Oliva at (610) 645-1034.

Please be advised that Aqua now requires meter pits for all services. Meters will not be installed within any home or building.

If you require further information, please contact me at (610) 645-1105.

Sincerely,


David C. McIntyre
New Business Coordinator

COMPONENT 3 – SECTION F PROJECT NARRATIVE

Section F. - Project Narrative

1. The applicant is proposing to develop tax parcels 36-20-065, 36-20-025, 36-20-026.1, 36-20-026, 36-20-64, 36-20-63 and 36-20-91 which consists of approximately 2.7 acres. The project will consist of 8 residential dwelling units (four - duplex buildings).
2. The proposed project proposes to replace the two existing single family dwellings and two commercial buildings with 8 new dwelling units. The 8 dwelling units generate 2,100 gallons per day or 8 EDU's. EDU's are based on 262.5 gallons per EDU. The property is currently served with public sewer and utilizes 2 EDU's (1 EDU for each single family dwelling). **Therefore the new or increased flow will be 6 EDU's or 1,575 gallons per day.**
3. The ultimate method of sewage treatment and reclamation is by way of public sewer provided by the Philadelphia Water Department Southwest Water Pollution Control Facility. The wastewater is conveyed from Radnor Township's collection and conveyance system and through the Radnor-Haverford-Marple Municipal Authority (RHM) conveyance system, Springfield Township, Upper Darby Township, Darby Creek Joint Authority conveyance system, Delaware County Regional Water Quality Control Authority (DELCORA) conveyance system and ultimately to the Philadelphia Water Department Southwest Water Pollution Control Facility.
4. The projected sewage flows for the project are based on 262.5 gallons per EDU and 1 EDU per dwelling unit for a total of 2,100 gallons per day. **The increased/new flow will be 1,575 gallons per day.**
5. The discharge from the Philadelphia Southwest Water Pollution Control Facility is via a stream discharge point along the Delaware River.
6. The total acreage of the proposed subdivision is approximately 2.2.
7. The project sponsor does not own any adjacent properties.

COMPONENT 3 – SECTION G

GENERAL SITE SUITABILITY

ITEM G. 4 – Wetland Protection

There are no known wetlands within the project area.

ITEM G. 5. – Prime Agricultural Land Protection

According to USDS soil mapping Prima Agricultural Soils do not exist on the property. To the best of my knowledge the project does not conflict with Prime agricultural soils as they relate to Township Ordinances.

ITEM G. 6. – Historic Preservation Act

A Cultural Resource Notice was not submitted for the project because it qualifies for an exemption as listed in the DEP/PHMC Policies and Procedures Implementation of the History Code List of Exemptions.

ITEM G. 7. – Protection of Rare, Endangered or Threatened Species

Enclosed is the PNDI Environmental Review Receipt which indicates there are no known conflicts, see enclosed.

1. PROJECT INFORMATION

Project Name: **David Semerjian Builders**

Date of Review: **3/28/2019 11:29:54 AM**

Project Category: **Development, Residential, Subdivision containing more than 2 lots and/or 2 single-family units**

Project Area: **2.49 acres**

County(s): **Delaware**

Township/Municipality(s): **RADNOR**

ZIP Code: **19087**

Quadrangle Name(s): **VALLEY FORGE**

Watersheds HUC 8: **Lower Delaware**

Watersheds HUC 12: **Darby Creek**

Decimal Degrees: **40.038347, -75.392905**

Degrees Minutes Seconds: **40° 2' 18.497" N, 75° 23' 34.4595" W**

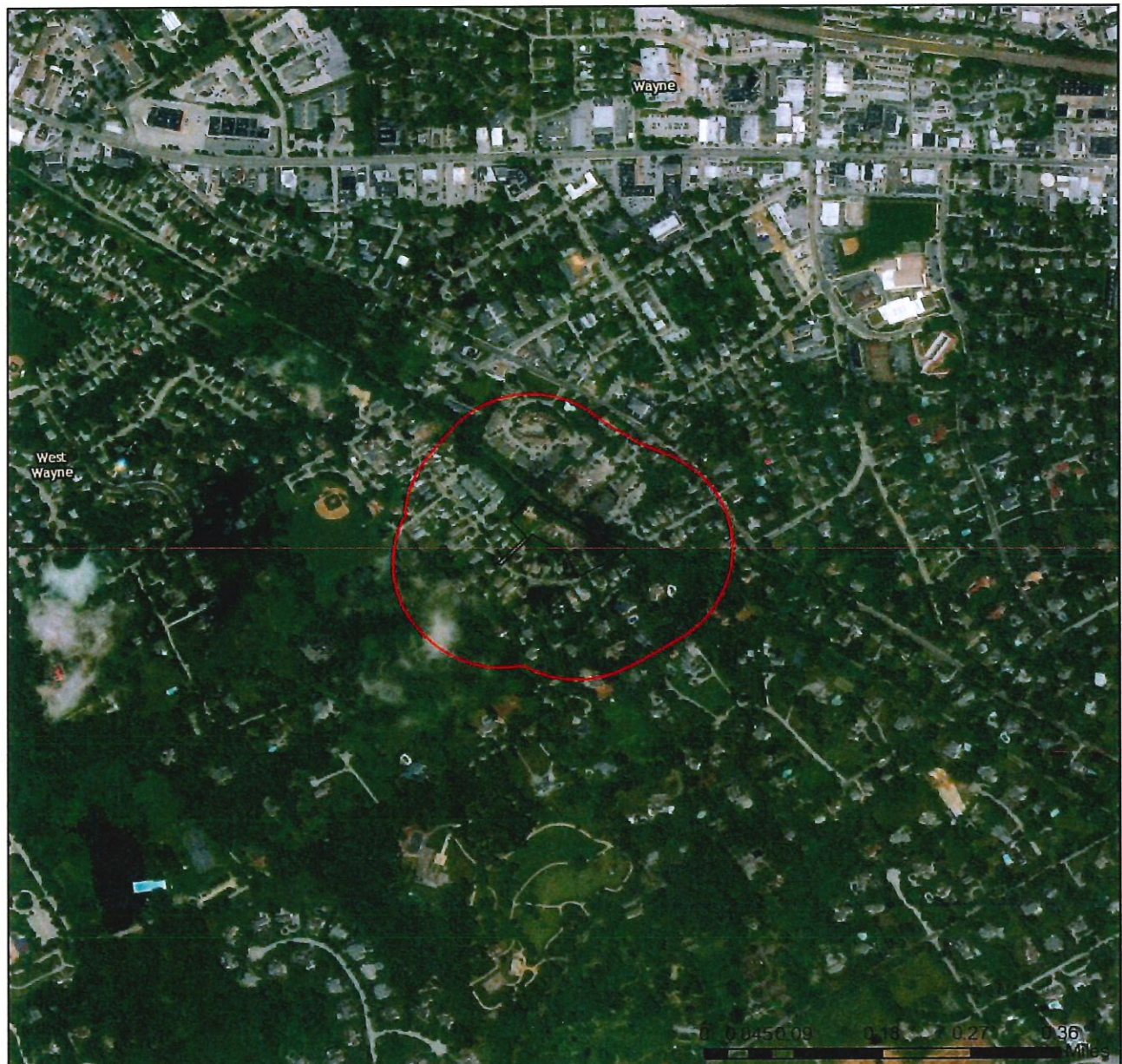
2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

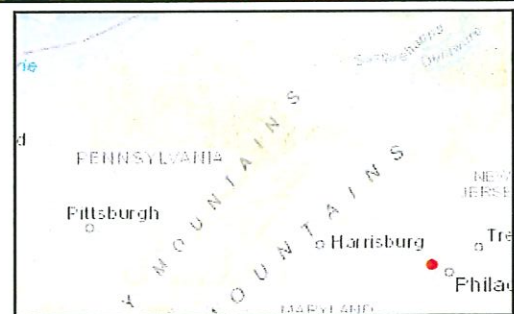
Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 must comply with the bog turtle habitat screening requirements of the PASPGP.

David Semerjian Builders

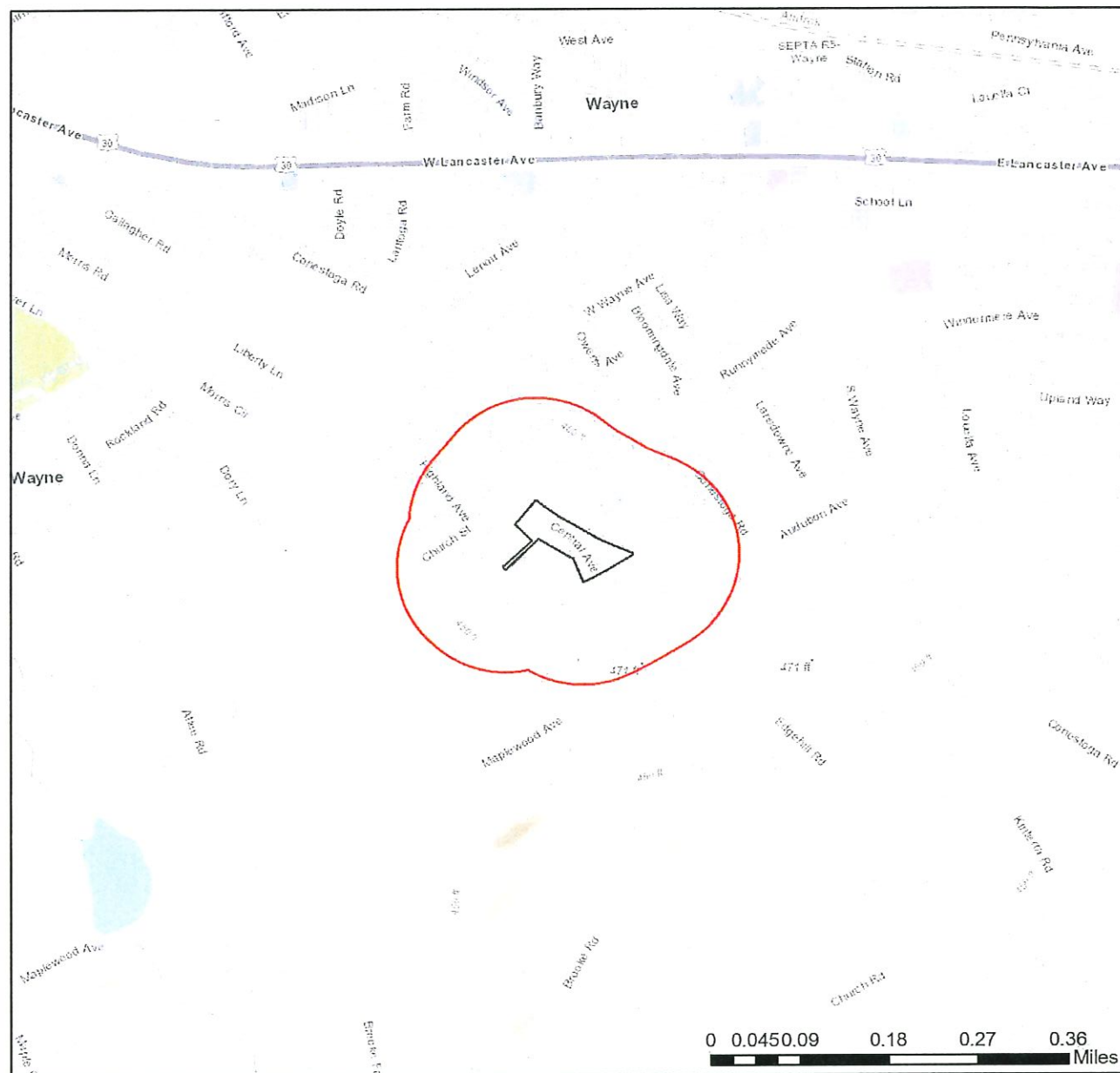


- ☐ Project Boundary
- ☐ Buffered Project Boundary

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Esri, HERE, Garmin, © OpenStreetMap contributors, and the GIS user community

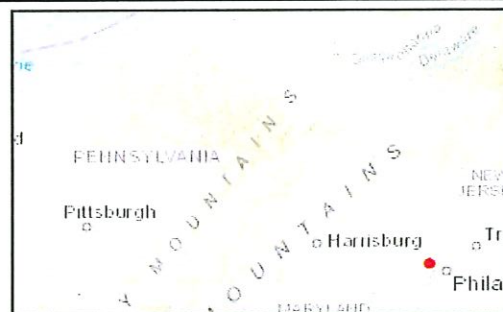


David Semerjian Builders



- ☐ Project Boundary
- ☐ Buffered Project Boundary

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS,



RESPONSE TO QUESTION(S) ASKED

Q1: The proposed project is in the range of the Indiana bat. Describe how the project will affect bat habitat (forests, woodlots and trees) and indicate what measures will be taken in consideration of this. Round acreages up to the nearest acre (e.g., 0.2 acres = 1 acre).

Your answer is: The project will affect 1 to 39 acres of forests, woodlots and trees.

Q2: Is tree removal, tree cutting or forest clearing of 40 acres or more necessary to implement all aspects of this project?

Your answer is: No

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE:

No impacts to **federally** listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
NO Faxes Please

PA Fish and Boat Commission

Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Scott Andress
Company/Business Name: Edward B. Welsh and Assoc., Inc.
Address: 125 Dowlin Forge Rd
City, State, Zip: Exton, PA 19341
Phone: (610) 903 0060 Fax: (610) 903 0080
Email: Sandress@ebwalshinc.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.


applicant/project proponent signature

3/28/19
date

1. PROJECT INFORMATION

Project Name: **David Semerjian Builders**

Date of Review: **6/29/2016 02:01:53 PM**

Project Category: **Development, Residential, Subdivision containing more than 2 lots and/or 2 single-family units**

Project Area: **2.49 acres**

County(s): **Delaware**

Township/Municipality(s): **RADNOR**

ZIP Code: **19087**

Quadrangle Name(s): **VALLEY FORGE**

Watersheds HUC 8: **Lower Delaware**

Watersheds HUC 12: **Darby Creek**

Decimal Degrees: **40.038347, -75.392905**

Degrees Minutes Seconds: **40° 2' 18.497" N, 75° 23' 34.4595" W**

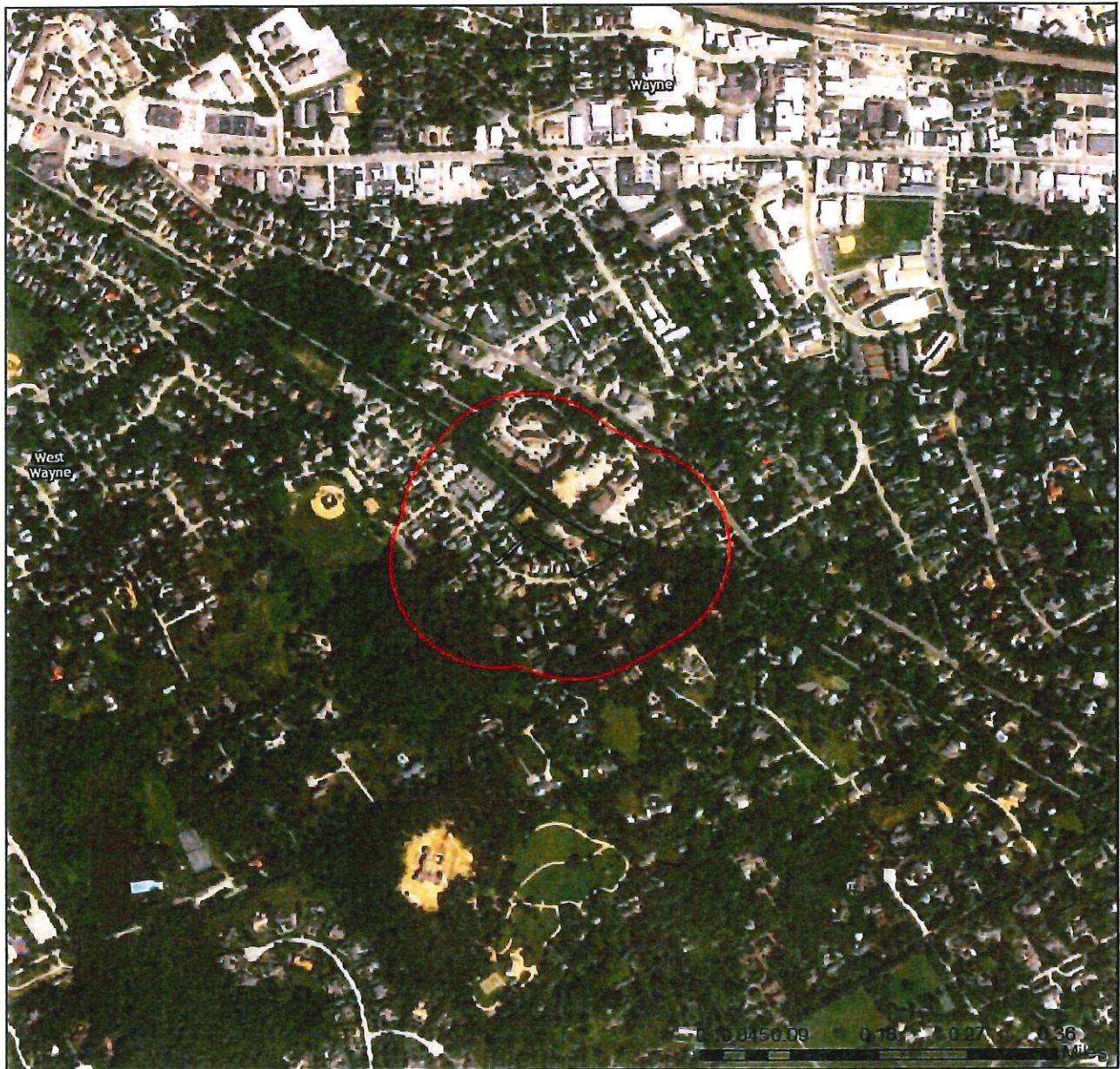
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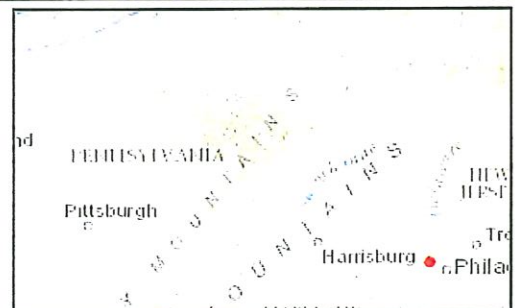
Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

David Semerjian Builders



- ☐ Project Boundary
- ☐ Buffered Project Boundary

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA,



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Page 3 of 6

RESPONSE TO QUESTION(S) ASKED

Q1: The proposed project is in the range of the Indiana bat. Describe how the project will affect bat habitat (forests, woodlots and trees) and indicate what measures will be taken in consideration of this.

Your answer is: The project will affect 1 to 39 acres of forests, woodlots and trees.

Q2: Is tree removal, tree cutting or forest clearing of 40 acres or more necessary to implement all aspects of this project?

Your answer is: No

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

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PA Fish and Boat Commission

RESPONSE:

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RESPONSE:

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PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov
Fax: (717) 772-0271

PA Fish and Boat Commission

Division of Environmental Services
450 Robinson Lane, Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
NO Faxes Please

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Scott Andress
Company/Business Name: Edward B. Walsh and Associates, Inc.
Address: 125 South Forge Rd.
City, State, Zip: Exton, PA 19341
Phone: (610) 903 0060 Fax: (610) 903 0080
Email: sandress@ebwalshinc.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

Scott Andress Agent
applicant/project proponent signature

6/29/2016
date

COMPONENT 3 – SECTION H ALTERNATIVE ANALYSIS

Section H - Alternative Sewage Facilities Analysis

- 1) The chosen method of sewage disposal is by way of public sewer. The effluent will be treated and disposed of via the Philadelphia Water Department Southwest Water Pollution Control Facility. This alternative is considered to be the ultimate method of sewage treatment and reclamation. The proposed project is estimated to generate 1,575 gallons per day or 6 EDU's @ 262.5 GPD/EDU of new/increased flow.
- 2) The project and surrounding properties are within the R-5 residential zoning district. All of the immediately adjacent properties are serviced with public sewer and public water.
- 3) There are no known sewage disposal needs adjacent to the project. There are no known capacity issues with the public sewer system within Radnor Township. However there are capacity issues within the conveyance system(s), during wet weather, associated with downstream municipalities and/or Authorities.
- 4) The Townships official sewage facilities plan identifies the project area as being in public sewer service area.
- 5) There are no known sewage management programs.
- 6) Alternative sewage disposal methods, which might be employed to serve the project, include utilizing a small treatment plant with stream discharge, however this option was not considered suitable because PA DEP does not generally support or approve stream discharges for new projects if a suitable discharge into an existing facility is available. Secondly, there isn't a stream within the property to discharge the treated wastewater therefore the only point of discharge would be to the storm sewer system. Due to the small size of the property, the anticipated use on the property and unsuitable soils a on-lot sewage disposal system is not a viable option.
- 7) The chosen method of sewage disposal, connection to the public system, was selected because it is consistent with zoning; best meets the short and long term sewage disposal needs and is consistent with the Township's Act 537 Plan.
- 8) The sanitary sewer system associated with this project will be owned and maintained by multiple Municipalities and/or Authorities. The sewage will be treated and disposed of at the Philadelphia Water Department Southwest Water Pollution Control Facility.
- 9) No Additional Comments

Public Notice

AFFIDAVIT OF PUBLICATION
639 S. Chester Rd. • Swarthmore, PA 19081

EDWARD B. WALSH AND ASSOCIATES, INC
125 DOWLIN FORGE ROAD
EXTON, PA 19341
Attention:

**STATE OF PENNSYLVANIA,
COUNTY OF DELAWARE**

The undersigned *Debra T. Brice*, being duly sworn the he/she is the principal clerk of Daily Times and Sunday Times, Daily & Sunday Times Digital, published in the English language for the dissemination of local or transmitted news and intelligence of a general character, which are duly qualified newspapers, and the annexed hereto is a copy of certain order, notice, publication or advertisement of:

EDWARD B. WALSH AND ASSOCIATES, INC**Published in the following edition(s):**

Daily Times and Sunday Times	06/19/19
Daily & Sunday Times Digital	06/19/19

Affiant further deposes that she/he is not interested in the subject matter of the aforesaid notice of advertisement, and that all allegations in the foregoing statements as to time, place and character of publication are true:

Sworn to the subscribed before me this *June 19, 2019*.

Dianne McCormick
Notary Public, State of Pennsylvania
Acting in County of Delaware

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Dianne McCormick, Notary Public
Ridley Twp., Delaware County
My Commission Expires April 20, 2020
MEMBER PENNSYLVANIA ASSOCIATION OF NOTARIES

PUBLIC NOTICE

The Radnor Township Board of Commissioners will consider adoption of a sewage facilities planning module resolution pursuant to the provisions of the "Pennsylvania Sewage Facilities Act" (Act of 1965, P.L. 1535, No. 537) as amended and pursuant to the rules and regulations of the Department of Environmental Protection contained in Title 25, Chapter 71 of the Pennsylvania Code.

The name of the project is David Semerjian Builders - 415 Maplewood Avenue. The project is located at 415 Maplewood Avenue, Wayne, PA 19087 and consists of approximately 2.7 acres. The applicant proposes to build a residential subdivision for eight (8) residential dwelling lots consisting of four (4) duplex buildings. The anticipated sewage flow from the project is 2,100 gallons per day based on 262.5 gallons per dwelling. The sewage from this project will be conveyed via a gravity sewer main extension located in Maplewood Avenue. The wastewater will then be conveyed through multiple conveyance systems with ultimate treatment and disposal at the City of Philadelphia Southwest Wastewater Treatment Plant. The sewage facilities planning module for the project, number 1-23013-256-3J describes the technical and administrative details associates with the sewage facilities. The units will be served by public water and public sewer.

In the course of review of the planning module, certain potential conflicts involving potentially historic resources as noted in the Sewage Facilities Planning Module. The noted potential conflict(s) have been satisfactorily resolved or addressed as explained in the sewage facilities planning module. Public notice is also required because the projects sewage flows will be conveyed thru the Darby Creek Interceptor which is currently utilizing a Capacity Management Plan. Public notice is necessary in that the project requires resolution of one or more conflicts between the proposed alternative and consistency requirements described in the rules and regulations of the Department of Environmental Protection which are contained in Title 25, Chapter 71 of the Pennsylvania Code, Section 21 (a)(5) (i), (ii) and (iii).

The sewage facilities planning module and related documents may be viewed at the Radnor Township Building located at 301 Iven Avenue, Wayne, PA 19087; Monday thru Friday between the hours of 8:00 am and 4:00 pm prevailing time by appointment. Comments regarding the project sewage facilities planning module must be in writing and sent or delivered to Steve Norcini, P.E., Township Engineer at the address above within 30 calendar days immediately following publication of this notice.
DCT, June 19, a-1

Advertisement Information

Client Id: 1295398

Ad Id: 1825012

PO:

Sales Person: 066305

COMPONENT 4A



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DEP Code #:
1-23013-256-3J

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

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

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

Project Name

415 Maplewood Avenue

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

1. Date plan received by municipal planning agency September 18, 2019

2. Date review completed by agency November 4, 2019

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

Yes No

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

SECTION C. AGENCY REVIEW (continued)

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Is this proposal consistent with the ordinance?
		If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Is this plan consistent with the municipal Official Sewage Facilities Plan?
		If no, describe the inconsistencies _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?
		If yes, describe _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	If yes, is the proposed waiver consistent with applicable ordinances?
		If no, describe the inconsistencies _____
		17. Name, title and signature of planning agency staff member completing this section:
		Name: <u>John Lord</u>
		Title: <u>Chairperson</u>
		Signature: <u></u>
		Date: <u>11-4-2019</u>
		Name of Municipal Planning Agency: <u>Radnor Township Planning Commission</u>
		Address: <u>301 Iven Avenue, Wayne, PA 19087</u>
		Telephone Number: <u>610-688-5600</u>

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

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

The planning agency must complete this component within 60 days.

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

COMPONENT 4B



DELAWARE COUNTY PLANNING DEPARTMENT

Court House/Government Center, 201 W. Front Street, Media, Pennsylvania 19063
Phone: 610-891-5200 Fax: 610-891-5203 Email: planning_department@co.delaware.pa.us

Application for Act 537 Review

Please type or print legibly

DEVELOPER/APPLICANT

Name David Semerjian Builders Phone 6106950444
Address 2425 White Horse Road, Berwyn, Pa. 19312
Name of Development David Semerjian Builders DEP # 1-23013-256-3J
Date of Act 247 Review August 18, 2016 DCPD File # 34-7183-16

PLANNING MODULE PREPARER

Name Edward B. Walsh and Associates, Inc. Phone 6109030060
Address 125 Dowlin Forge Road, Exton, Pa. 19341

Type of Review (check 2 boxes)

- ☐ Initial Submittal
☒ Minor Revision Resubmittal
☐ Major Revision Resubmittal

☒ Standard Form (Component 1, 2, 3)
☐ Private Request
☐ Municipal Base Plan or Ordinance

Proposed Method of Treatment

- ☐ Sewer tap-in
☒ Sewer extension/new collection system
☐ Individual on-lot or new replacement system
☐ Multiple on-lot system
☐ Community system or new plant

Water: ☐ Private ☒ Public
Use: ☐ Commercial/Industrial ☐ Institutional ☒ Residential
EDUs 8 # of Connections 8 Projected Flow 2,100 Acreage

Statement of Intent The original Planning Module for the project was for 12 dwelling units; the project has been revised for 8 dwelling units.

Has a copy of this module been forwarded to:

All tributary authorities or SEOs, as required?

PA Historical and Museum Commission, if required?

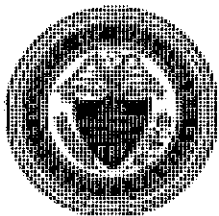
☒ Yes ☐ No
☐ Yes ☐ No ☒ N/A

MUNICIPALITY'S SECTION (Application Will Not Be Accepted Without Original Signature)

Municipality Radnor Township
Address 301 Iven Ave, Wayne, PA 19087
Municipal Official Stephen F. Norcini Phone 610-688-5600
Official's Signature [Signature] Date 9-3-19

FOR DCPD USE ONLY

Date Received ☐ Complete ☐ Incomplete
Date DCPD Comments Due Staff Initials
Review Fee: Amount Check No.
Date Received Received By



DELAWARE COUNTY PLANNING DEPARTMENT

1055 E. Baltimore Pike

Media, PA 19063

Phone: (610) 891-5200

Email: planning_department@co.delaware.pa.us

COUNCIL

JOHN P. McBLAIN
CHAIRMAN

COLLEEN P. MORRONE
VICE CHAIRMAN

MICHAEL F. CULP
KEVIN M. MADDEN
BRIAN P. ZIDEK

LINDA F. HILL
DIRECTOR

September 11, 2019

Robert A. Zienkowski, Manager
Radnor Township
301 Iven Avenue
Wayne, PA 19087

SEP 16 2019

RE: Act 537 Review
415 Maplewood Avenue
Radnor Township
1-23013-256-3J

Dear Mr. Zienkowski:

The Delaware County Planning Department (DCPD) has completed its review of the planning module for 415 Maplewood Avenue. The proposed plan calls for the replacement of two single-family dwellings and two commercial buildings with 8 semi-detached dwellings on an approximately 2.7-acre site. The project will raze and replace the existing uses, which currently utilize public sewer to dispose of 3 EDU's of sewage. The new development is expected to generate 2100 gpd of wastewater to be disposed of via a connection to public sewer and treated at the Philadelphia Southwest Water Pollution Control Facility. The net increase in flow will be 5 EDU's.

The development will be connecting to public sewer as long as there are no connection issues with adjacent municipalities.

DCPD has no objection to the proposed method of wastewater disposal. Enclosed is the completed DEP Component 4B County Planning Agency Review Form. If you have any questions or require additional information, please do not hesitate to contact me at (610) 891-4910.

Sincerely,

Anne Stauffer
Senior Planner

Enclosures: (1) Completed DEP Review Form

cc: PA Department of Environmental Protection
Scott J. Andress, Edward B. Walsh and Associates, Inc.
David Semerjian, David Semerjian Builders





**SEWAGE FACILITIES PLANNING MODULE
COMPONENT 4B - COUNTY PLANNING AGENCY REVIEW
(or Planning Agency with Areawide Jurisdiction)**

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

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

Project Name

415 Maplewood Avenue

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

1. Date plan received by county planning agency September 4, 2019

2. Date plan received by planning agency with areawide jurisdiction Not applicable

Agency name _____

3. Date review completed by agency September 11, 2019

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

Yes No


- | | | | |
|-------------------------------------|-------------------------------------|-----|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. | Is there a county or areawide comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101 <i>et seq.</i>)? <i>Delaware County 2035 was adopted on November 27, 2013. Responses to #2, #3, #4, & #5 are based on this plan.</i> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. | Is this proposal consistent with the comprehensive plan for land use? _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. | Does this proposal meet the goals and objectives of the plan? _____
If no, describe goals and objectives that are not met _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. | Is this proposal consistent with the use, development, and protection of water resources? _____
If no, describe inconsistency _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 5. | Is this proposal consistent with the county or areawide comprehensive land use planning relative to Prime Agricultural Land Preservation? _____
If no, describe inconsistencies: _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 6. | Does this project propose encroachments, obstructions, or dams that will affect wetlands? <i>Response based on information contained in the National Wetlands Inventory Maps and review of the site development plan.</i>
If yes, describe impact _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7. | Will any known historical or archeological resources be impacted by this project? <i>Response based on information contained in the Delaware County Preservation Planning files and documents.</i>
If yes, describe impacts <u>One building to be demolished appears of local significance. See additional comments.</u> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 8. | Will any known endangered or threatened species of plant or animal be impacted by the development project? <i>Response based on information from the Natural Heritage Inventory of Delaware County.</i>
If yes, describe impacts _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 9. | Is there a county or areawide zoning ordinance? |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. | Does this proposal meet the zoning requirements of the ordinance? |

If no, describe inconsistencies Not applicable**SECTION C. AGENCY REVIEW (continued)**

Yes No

- ☐ ☐ 11. Have all applicable zoning approvals been obtained? Unknown, subject to municipal approval.
- ☒ ☐ 12. Is there a county or areawide subdivision and land development ordinance? The Delaware County Subdivision & Land Development Ordinance is used by some, but not all municipalities. It is not applicable to this municipality.
- ☐ ☐ 13. Does this proposal meet the requirements of the ordinance? Not applicable
If no, describe which requirements are not met _____
- ☒ ☐ 14. Is this proposal consistent with the municipal Official Sewage Facilities Plan?
If no, describe inconsistency _____
- ☐ ☒ 15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?
If yes, describe _____
- ☐ ☒ 16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision? _____
If yes, is the proposed waiver consistent with applicable ordinances.
If no, describe the inconsistencies Not applicable
- ☒ ☐ 17. Does the county have a stormwater management plan as required by the Stormwater Management Act? Only for the Ridley, Chester, Darby, and Crum Creek watersheds. This project is located in the Darby Creek watershed.
- ☒ ☐ If yes, will this project plan require the implementation of storm water management measures?

18. Name, Title and signature of person completing this section:

Name: Anne StaufferTitle: Senior PlannerSignature: Date: September 11, 2019Name of County or Areawide Planning Agency: Delaware County Planning DepartmentAddress: Court House & Government Center, 201 W. Front Street, Media, PA 19063Telephone Number: 610-891-4910**SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)**

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

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

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

Comments begin on the next page.

Section C.7 Will any known historical or archeological resources be impacted by this project? Response based on information contained in the Delaware County Preservation Planning files and documents.

The proposed development will occur in a zone that has a low potential for underground archaeological resources. Plans are to demolish two single family dwellings and a series of attached commercial/garage units. One of the homes is a Colonial Revival home that is stucco with a stone foundation, built in 1934, according to the County Tax Assessor's Database. It appears of local significance and though it is not on the Radnor Historic Resource Survey, may have been an overlooked addition. The second dwelling unit is a smaller stucco bungalow, and is attached to a long series of garage units. It does not appear of historic significance, although some of the garage units do appear to meet the age criteria for being considered historic. No National Register-eligible or listed resources will be affected by this development.

RESOLUTION No. 2019-111

**A RESOLUTION OF RADNOR TOWNSHIP
DELAWARE COUNTY, PENNSYLVANIA,
AUTHORIZING DISTRIBUTION OF FUNDS FROM THE STORMWATER FUND**

WHEREAS, certain areas of Radnor Township have suffered from periodic flooding, which flooding has caused damage to real property and personalty, and which may, during sufficiently severe flooding, pose a grave threat to the life and safety of the residents of the Township; and

WHEREAS, unconnected tree trenches provide an infiltrative method to detain stormwater during flooding, connected tree trenches provide an infiltrative method to both detain and convey stormwater to existing stormwater management facilities, and all tree trenches maintain or increase the Township's canopy; and

WHEREAS, the Township can realize substantial savings on certain incremental projects like tree-trenches, which are within the skillset of the Township Engineer to design and Public Works Department to construct;

NOW, THEREFORE, be it **RESOLVED** by the Board of Commissioners of Radnor Township that the Township shall allocate not more than \$40,000 from the Stormwater Fund for the construction of an unconnected tree-trench on Township owned property at the north-eastern corner of Willow Ave. and Radnor Road, including all labor and materials. Construction shall commence not later than July 1, 2020. The Township Manager shall be authorized to take all necessary steps and sign all necessary agreements to purchase equipment and materials in an amount less than \$40,000.

SO RESOLVED this ____ day of November, A.D. 2019.

RADNOR TOWNSHIP

By: _____
Lisa Borowski
President

Attest: _____
Robert A. Zienkowski
Manager/Secretary

**ORDINANCE NO. 2019-12
FISCAL YEAR 2020 TAX LEVY**

**AN ORDINANCE OF THE TOWNSHIP OF RADNOR, DELAWARE COUNTY,
COMMONWEALTH OF PENNSYLVANIA, ADOPTING A FINAL
COMPREHENSIVE BUDGET FOR FISCAL YEAR 2020, AND ESTABLISHING
THE TOWNSHIP MILLAGE RATE**

The Board of Commissioners of Radnor Township, Delaware County, Pennsylvania, hereby ENACTS and ORDAINS, as follows:

Section 1. That the Final 2020 Budget, referenced as the Board Approved Comprehensive Budget (version 1) attached hereto and incorporated herein, dated November 25, 2019, is hereby adopted setting forth all proposed revenues and appropriations for all Township funds for fiscal year 2020.

Section 2. The total tax millage rate for 2020 shall be 4.5352 mills and is allocated as follows:

Township Operational / Capital tax levy	3.9865 mills
Debt Service tax levy	0.1717 mills (established in 2016)
Fire Company tax levy	<u>0.3770</u> mills (established in 2020)
Total tax levy 2020	4.5352 mills

Section 4. That all other permit, service and user fees for fiscal year 2020 shall be set by Ordinance 2019-14 and shall be subject to further amendment by the Board of Commissioners.

Section 5. Repealer. All ordinance or parts of ordinances which are inconsistent herewith are hereby repealed.

Section 6. Severability. If any section, paragraph, sub-section, clause or provision of this Ordinance shall be declared invalid or unconstitutional by a court of competent jurisdiction, such decision shall not affect the validity of this Ordinance as a whole or any part thereof other than that portion specifically declared invalid.

Section 7. Effective Date. This Ordinance shall become effective in accordance with the Radnor Township Home Rule Charter.

ENACTED AND ORDAINED this 9th day of December, 2019

RADNOR TOWNSHIP

By: _____
Name: Lisa Borowski
Title: President

ATTEST: _____
Name: Robert A. Zienkowski
Title: Township Manager / Secretary

BUDGET PLACEHOLDER

The 2020 Budget will be posted to the Township's website by the end of the day, Friday, November 23, 2019. Please visit www.radnor.com and look for the 2020 Budget link on the home page.

**ORDINANCE NO. 2019-13
FISCAL YEAR 2020 SEWER RENT RATE**

**AN ORDINANCE OF THE TOWNSHIP OF RADNOR, DELAWARE COUNTY,
COMMONWEALTH OF PENNSYLVANIA, ESTABLISHING THE TOWNSHIP
SANITARY SEWER RENT FOR 2020**

The Board of Commissioners of Radnor Township, Delaware County, Pennsylvania, hereby ENACTS and ORDAINS, as follows:

Section 1. That the Final 2020 Budget, referenced as the Board Approved Comprehensive Budget (version 1) incorporated in Ordinance 2019-12, dated November 25, 2019, sets forth all proposed revenues and appropriations for all Township funds for fiscal year 2020.

Section 2. The Sanitary Sewer Fund (#002) revenues included in the Final 2020 Budget are estimated based on the billing and collection of a sanitary sewer user fee calculated as a rate times water consumption, provided by Aqua, PA annually.

Section 3. The annual sewer service charges for all real property within the Township shall be set at the amount of \$7.85 per 1,000 gallons of water used in the year 2019 as certified by Aqua.

Section 4. Repealer. All ordinance or parts of ordinances which are inconsistent herewith are hereby repealed.

Section 5. Severability. If any section, paragraph, sub-section, clause or provision of this Ordinance shall be declared invalid or unconstitutional by a court of competent jurisdiction, such decision shall not affect the validity of this Ordinance as a whole or any part thereof other than that portion specifically declared invalid.

Section 6. Effective Date. This Ordinance shall become effective in accordance with the Radnor Township Home Rule Charter.

ENACTED AND ORDAINED this 9th day of December, 2019

RADNOR TOWNSHIP

By: _____
Name: Lisa Borowski
Title: President

ATTEST: _____
Name: Robert A. Zienkowski
Title: Township Manager / Secretary

ORDINANCE NO. 2019-14

**AN ORDINANCE OF RADNOR TOWNSHIP, DELAWARE COUNTY,
PENNSYLVANIA, AMENDING CHAPTER 162 BY ADOPTING THE
CONSOLIDATED FEE SCHEDULE FOR CALENDAR YEAR 2020 AND
AMENDING SECTION 270-38**

Section 1. The Township of Radnor incurs costs and expenses in processing various permits and licenses through its various departments.

Section 2. Section §270-38, “Parking violations and penalties” will be removed in its entirety and be replaced as follows:

- A. Any person who violates any provision of this article shall, upon conviction, be sentenced to pay a fine of not more than that specified for violation in the most current Consolidated Fee Schedule, as enacted and ordained by the Radnor Township Board of Commissioners.

Section 3. The Pennsylvania Municipalities Planning Code authorizes reasonable and necessary charges by the Township’s professional consultants based upon its schedule established by ordinance or resolution.

NOW, THEREFORE, it is hereby *ENACTED* and *ORDAINED* that the Board of Commissioners of Radnor Township hereby adopts the attached 2020 Consolidated Fee Schedule effective January 1, 2020, that Section §270-38, “Parking violations and penalties” be updated as described herein, and all ordinances or resolutions which are inconsistent are hereby repealed.

BE IT FURTHER ENACTED and *ORDAINED* that any revisions to the 2020 Consolidated Fee Schedule may be amended or revised by subsequent resolution of the Board of Commissioners.

ENACTED AND ORDAINED this 9th day of December, A.D., 2019.

RADNOR TOWNSHIP

By: _____
Name: Lisa Borowski
Title: President

ATTEST: _____
Name: Robert A. Zienkowski,
Title: Township Manager / Secretary

Radnor Township

PROPOSED LEGISLATION



DATE: November 20, 2018

TO: Board of Commissioners

FROM: William White, Assistant Township Manager and Finance Director

A handwritten signature in black ink, appearing to read "William White", is placed over the name in the "FROM" line.

LEGISLATION: Ordinance 2019-14 Adopting the Consolidated Fee Schedule (Chapter §162) for 2020

LEGISLATIVE HISTORY: Chapter §162 requires the Township to adopt a consolidated fee schedule. The last Fee Schedule Ordinance was adopted in December 2018, effective January 1, 2019. This Ordinance will replace the existing fee schedule in its entirety, effective January 1, 2020.

PURPOSE AND EXPLANATION: This Ordinance will replace the existing fee schedule in its entirety upon adoption, with the following highlights:

1. The Fee Schedule is not directly linked to the 2020 budget. The Ordinances will be considered at the same time, but that is more of a function of the calendar than any connection between the two processes.
2. Fee changes are highlighted in yellow and noted in each of the sections of the Fee Schedule under "Fee Change Narrative"
3. At the Solicitor's direction, to help simplify the parking related costs and fees, this ordinance will update Section §270, Article III, Chapter 38, "Parking Violations and Penalties" by removing the detail from the Code and including these related violations and penalties in the Fee Schedule exclusively. If adopted as proposed, code section §270-38 will simply refer to the Consolidated Fee Schedule.

FISCAL IMPACT: There is no direct fiscal impact in passing this fee schedule.

RECOMMENDED ACTION: The Administration respectfully recommends that the Board introduce Ordinance 2019-14 at the November 25 meeting, with an anticipated adoption at the December 9 meeting, making the replacement Consolidated Fee Schedule effective January 1, 2020.

2020 CONSOLIDATED FEE SCHEDULE



Introduced | November 25, 2019
Adopt | December 9, 2019

Amendments:

1. n/a

RADNOR TOWNSHIP, PA 301 Iven Ave, Wayne, PA 19087

Radnor Township, PA
2020 Consolidated Fee Schedule – Chapter 162 Fees
Ordinance 2019-14 | December 9, 2019
Effective January 1, 2020

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Radnor Township, PA
2020 Consolidated Fee Schedule – Chapter 162 Fees
Ordinance 2019-14 | December 9, 2019
Effective January 1, 2020

Fee Description	2019	2020
Community Development Department		
Chapter 120 Bathing Places		
License Fees – Swimming Pool (outdoor)	\$300.00 per pool	\$300.00 per pool
License Fees – Swimming Pool (indoor)	\$350.00 per pool	\$350.00 per pool
License Fees – Spa	\$250.00 per pool	\$250.00 per pool
License Fees – Wading	\$200.00 per pool	\$200.00 per pool
Chapter 125 Building Construction		
General Contractor's License (annual)	\$50.00	\$50.00
RESIDENTIAL		
New one and two-family dwelling	\$20.00 / \$1,000.00	\$20.00 / \$1,000.00
Additions, alterations, repairs, demolition, etc.	\$20.00 / \$1,000.00	\$20.00 / \$1,000.00
COMMERCIAL - Commercial, institution, public land use, recreation, multi-family		
New buildings and fire suppression systems	\$30.00 / \$1,000 up to \$50,000 \$20.00 / \$1,000 for each additional 1,000	\$30.00 / \$1,000 up to \$50,000 \$20.00 / \$1,000 for each additional 1,000
Additions, alterations, repairs, demolition, to existing buildings and fire suppression systems	\$50.00 / first \$1,000, \$25.00 / \$1,000 for each additional \$1,000	\$50.00 / first \$1,000, \$25.00 / \$1,000 for each additional \$1,000
Signs, to include: window, awning, wall, marquee, freestanding (new or replacement)	\$20.00 / \$1,000.00	\$20.00 / \$1,000.00
Certificate of Occupancy – Residential (new)	\$50.00	\$50.00
Certificate of Occupancy – Non-Residential (new)	\$100.00	\$100.00
Zoning Permit – Fences, Accessory Structures less than 200 sq.ft., Agricultural Buildings, Propane Tanks	\$75.00	\$75.00
Home Occupation – Traffic	\$150.00	\$150.00
Home Occupation – Non-Traffic	\$100.00	\$100.00
Zoning Compliance	\$100.00	\$100.00

Radnor Township, PA
2020 Consolidated Fee Schedule – Chapter 162 Fees
Ordinance 2019-14 | December 9, 2019
Effective January 1, 2020

Fee Description	2019	2020
Chapter 150 Design and Review Board		
Permit for Temporary banner (max 30 days)	\$50.00	\$50.00
DRB Application Fees for signs	\$100.00	\$100.00
DRB Application Fees for telecommunication antennas	\$200.00	\$200.00
DRB Application Fees for façade change	\$100.00	\$100.00
DRB Application Fee for new building	\$200.00	\$200.00
DRB Application Fees for building additions and accessory structures	\$200.00	\$200.00
DRB Application Fees for Outdoor Dining application (furnishings and accessories)	\$100.00	\$100.00
Fee Change Narrative: n/a		
Chapter 156 Electrical		
Electrician's License (annual)	\$50.00	\$50.00
Electrical Inspection Agency License	\$100.00	\$100.00
Electrical Permit Fee	\$20.00 / \$1,000 or fraction thereof	\$20.00 / \$1,000 or fraction thereof
Low voltage / voice data / alarm	\$20.00 / \$1,000 or fraction thereof	\$20.00 / \$1,000 or fraction thereof
Wind / solar electric	\$20.00 / \$1,000 or fraction thereof	\$20.00 / \$1,000 or fraction thereof
Plan review – 3 rd Party Contract Fee	\$75.00 / hour	\$75.00 / hour
Chapter 166 Fire Prevention		
Bon Fire Permit - For institutional use only (each permit)	\$100.00	\$100.00
Fireworks Permit	\$500.00	\$500.00
Blasting Permit – Residential	\$150.00	\$150.00
Blasting Permit – Non-Residential	\$150.00	\$150.00
Fire Marshall Report - Residential	\$50.00	\$50.00
Fire Marshall Report – Non-Residential	\$100.00	\$100.00
Storage Tanks – Repairs and alterations	\$50.00 / tank	\$50.00 / tank
Storage Tanks – Abandonment or Removal	\$200.00 / tank	\$200.00 / tank
Storage Tanks – Installation	\$200.00 / tank	\$200.00 / tank
Fee Change Narrative: n/a		

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Fee Description	2019	2020
Chapter 170 Food Establishment Fees		
Indoor Dining:		
License and Inspection Fee for seats: 0-30 seats	\$200.00	\$200.00
License and Inspection Fee for seats: 31-70 seats	\$250.00	\$250.00
License and Inspection Fee for seats: 71-110 seats	\$350.00	\$350.00
License and Inspection Fee for seats: 111-150 seats	\$425.00	\$425.00
License and Inspection Fee for seats: 151-190 seats	\$475.00	\$475.00
License and Inspection Fee for seats: 191-230 seats	\$525.00	\$525.00
License and Inspection Fee for seats: 231-300 seats	\$625.00	\$625.00
License and Inspection Fee for seats: 301 seats and over	\$725.00	\$725.00
License and Inspection Fee for floor area (sq ft): 0-1,500	\$150.00	\$150.00
License and Inspection Fee for floor area (sq ft): 1,501 – 2,500	\$200.00	\$200.00
License and Inspection Fee for floor area (sq ft): 2,501 – 5,000	\$275.00	\$275.00
License and Inspection Fee for floor area (sq ft): 5,001 – 7,500	\$350.00	\$350.00
License and Inspection Fee for floor area (sq ft): 7,501 – 10,000	\$450.00	\$450.00
License and Inspection Fee for floor area (sq ft): 10,001 – 15,000	\$575.00	\$575.00
License and Inspection Fee for floor area (sq ft): 15,000 and over	\$725.00	\$725.00
License Fee for selling ice cream from a motor vehicle (excludes vendors requiring Department of Agriculture approval)	\$100.00	\$100.00
Food Vendor (mobile and vendors requiring Department of Agriculture approval)	\$200.00	\$200.00
Temporary Food Establishment	\$125.00	\$125.00
Special Event Sponsor Fee	\$250.00	\$250.00
Plan Review – Food Establishment	\$150.00 / initial review	\$150.00 / initial review
Plan Review – Resubmitting Plans	\$75.00	\$75.00
Re-inspection for a failed inspection	50% of initial fee	50% of initial fee
Annual Outdoor Dining Renewal	\$150.00	\$150.00
Indoor Dining Application Renewal Late Fee	75% of license fee	75% of license fee
Outdoor Dining Application Renewal Late Fee	\$70.00	\$70.00

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Fee Description	2019	2020
Chapter 178 Historical and Architectural Review Board (“HARB”)		
Application to HARB	\$50.00	\$50.00
Chapter 195 Mechanical		
HVAC License Annual (air cond., heating & refrig., mchs.)	\$50.00	\$50.00
RESIDENTIAL – one and two-family		
Geothermal / HVAC systems	\$100.00	\$100.00
Replace, modify or relocate duct work	\$50.00	\$50.00
Water Well or Non-Potable Water, Irrigation	\$100.00	\$100.00
Solar Mechanical/Plumbing	\$150.00	\$150.00
Add, modify or extend radiant/baseboard or other hydro-mechanical systems	\$50.00	\$50.00
New or replacement central heating systems	\$15.00 first 10,000 BTUs, \$5.00 each additional 10,000 BTU's	\$15.00 first 10,000 BTUs, \$5.00 each additional 10,000 BTU's
New or replacement air cond. central systems	\$100.00	\$100.00
New or replacement heat pump	\$100.00	\$100.00
All well driven or mechanical water supply systems for geothermal HVAC systems	\$100.00	\$100.00
Solar Mechanical / Plumbing	\$150.00	\$150.00
COMMERCIAL - Commercial, institution, public land use, recreation, multi-family		
Geothermal/HVAC system wells: 0-10 wells	\$200.00	\$200.00
Geothermal/HVAC system wells: 11-30 wells	\$350.00	\$350.00
Geothermal/HVAC system wells: 31 or more	\$500.00	\$500.00
New or replacement central heating system (regardless of fuel source, including duct work)	\$30.00 for 10,000 BTUs, \$10.00 each additional 10,000 BTU's (fee capped at 1,000,000 BTU's)	\$30.00 for 10,000 BTUs, \$10.00 each additional 10,000 BTU's (fee capped at 1,000,000 BTU's)

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Fee Description	2019	2020
New or replacement air cond. systems incl. duct work	\$30.00 for 10,000 BTUs, \$10.00 each additional 10,000 BTU's (fee capped at 1,000,000 BTU's)	\$30.00 for 10,000 BTUs, \$10.00 each additional 10,000 BTU's (fee capped at 1,000,000 BTU's)
New or replacement heat pump incl. duct work	\$30.00 for 10,000 BTUs, \$10.00 each additional 10,000 BTU's	\$30.00 for 10,000 BTUs, \$10.00 each additional 10,000 BTU's
Replace, modify or relocate duct work	\$20.00 for each \$1,000, or portion of cost	\$20.00 for each \$1,000, or portion of cost
Refrigeration units (incl. walk in boxes, other units with remote compressors)	\$20.00 first ton or portion thereof, \$10.00 each additional ton, or portion thereof	\$20.00 first ton or portion thereof, \$10.00 each additional ton, or portion thereof
Solar Mechanical/Plumbing	\$175.00	\$175.00
Water Wells or Non-Potable Water Wells	\$100.00	\$100.00

Chapter 218 | Plumbing

Plumber License (annual)	\$50.00	\$50.00
RESIDENTIAL - one and two family		
New work, alterations, additions, and repairs	\$75.00 for more than 5 fixtures, \$5.00 each additional fixture	\$75.00 for more than 5 fixtures, \$5.00 each additional fixture
Alterations/additions/repairs one fixture (minimum fee)	\$35.00	\$35.00
Pipe Repair	\$75.00	\$75.00
Exterior lateral sewer connection or repair	\$150.00	\$150.00
Interior main drain alteration or replacement (which includes stack vent)	\$75.00	\$75.00
Garbage grinders and dishwashers (new installation or replacement)	\$15.00 Each	\$15.00 Each

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Fee Description	2019	2020
All gas and electric appliances needing gas or plumbing piping	\$75.00 for first unit, \$15.00 for each additional	\$75.00 for first unit, \$15.00 for each additional
Water service (new or replacement)	\$75.00	\$75.00
Domestic hot water heater (new or replacement)	\$20.00	\$20.00
Sewer ejection pump (new or replacement, not incl. connections.)	\$50.00 pump capacity 21 gal/min, \$150.00 pump capacity > 21 gal/min	\$50.00 pump capacity 21 gal/min, \$150.00 pump capacity > 21 gal/min
Sewer grinder pumps and pit (E-One System)	\$300.00	\$300.00
COMMERCIAL - Commercial, institution, public land use, recreation, multi-family		
New work, alt., additions not exceeding 5 fixtures	\$75.00, \$5.00 each additional fixture	\$75.00, \$5.00 each additional fixture
External lateral sewer connection or repair main drain or sewer connection (new)	\$150.00	\$150.00
Pipe Repair	\$100.00	\$100.00
Garbage grinders and dishwashers (new installation or replacement)	\$30.00 Each	\$30.00 Each
Main interior drain replacement, alterations or repair (incl. stack vent)	\$75.00	\$75.00
Sewer ejection pump (new or replacement)	\$50.00, pump capacity ≤ 21 gal/min., \$300.00, pump capacity > 21 gal/min.	\$50.00, pump capacity ≤ 21 gal/min., \$300.00, pump capacity > 21 gal/min.
All gas and elect. Appl. Requiring plumbing or mech. Install. (new or replacement, incl. gas piping)	\$75.00 for first unit, \$15.00 for each additional	\$75.00 for first unit, \$15.00 for each additional
Water service (new or replacement)	\$100.00	\$100.00
Each hot water heater (new or replacement)	\$75.00	\$75.00
Interceptors & separators (new or replacement)	\$75.00	\$75.00
Sewer grinder pumps new or replacement	\$500.00	\$500.00
Fee Change Narrative: n/a		

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Fee Description	2019	2020
Chapter 226 Rental Housing		
Rental Housing Permits	\$60.00 Each Unit (1-10) \$40.00 Each Additional Unit	\$60.00 Each Unit (1-10) \$40.00 Each Additional Unit
Rental Housing Appeals Board	\$2,500.00 plus \$500 for each subsequent hearing	\$2,500.00 plus \$500 for each subsequent hearing
Re-inspection after 2 nd failed inspection	\$100.00	\$100.00
Application Late Fee: July 1 st to July 31 st On or After August 1 st	\$100.00 \$150.00	\$100.00 \$150.00
Chapter 280 Zoning Hearing Board		
Application fees for Zoning Hearing Board: One- and two-family dwellings, Rooming house, multi-family	\$550.00 plus \$275 for each add'l hearing	\$550.00 plus \$275 for each add'l hearing
Application fees for Zoning Hearing Board: Non-res. uses (incl. comm., planned, institutional, and public land use)	\$900.00 plus \$450 for each add'l hearing	\$900.00 plus \$450 for each add'l hearing
Application fees for Zoning Hearing Board: Challenge to the validity of map or ordinance	\$7,500.00 plus \$450 for each add'l hearing	\$7,500.00 plus \$450 for each add'l hearing
Application fees to Board of Commissioners: Application to amend zoning map/ord.	\$1,500.00 plus \$750 for each add'l hearing	\$1,500.00 plus \$750 for each add'l hearing
Application fees to Board of Commissioners: Application for conditional use	\$1,500.00 plus \$750 for each add'l hearing	\$1,500.00 plus \$750 for each add'l hearing
Application fees to Board of Commissioners: Curative Amendment	\$7,500.00 plus \$750 for each add'l hearing	\$7,500.00 plus \$750 for each add'l hearing

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Fee Description	2019	2020
Appeals from Zoning Officer or Township Engineer – Residential	\$550.00 plus \$275 for each add'l hearing	\$550.00 plus \$275 for each add'l hearing
Appeals from Zoning Officer or Township Engineer – Non-Residential	\$900.00 plus \$450 for each add'l hearing	\$900.00 plus \$450 for each add'l hearing
Fee for postponement of a public hearing when requested following publication of the required legal notice.	\$200.00	\$200.00
Zoning Books	\$30.00	\$30.00
Other Community Development		
Code Appeals Application Fee – Building, Electrical, Fire Prevention, Mechanical, Plumbing, Property Maintenance	\$750.00	\$750.00
Inter-municipal Transfer of Liquor License	\$1,500.00 plus \$750 for each additional hearing	\$1,500.00 plus \$750 for each additional hearing
PA State Assessed Training Fee, Building, Plumbing, Mechanical, Electrical	\$4.50 / permit	\$4.50 / permit
Administration of PA state Assessed Training Fee	\$2.00 / permit	\$2.00 / permit
Zoning Maps	\$15.00	\$15.00
Plan Review Fee (Payment is due when the permit is issued)	\$95.00	\$95.00
Code Official Overtime Rate	\$100.00 / hour	\$100.00 / hour
Administrative Refund Fee	\$10% or \$30.00, whichever is greater	\$10% or \$30.00, whichever is greater
Dormitory Inspection Fee	\$24.00 / room	\$24.00 / room
Appeal of Health Enforcement Notice to Board of Health:		
Single Family Residential	\$550.00	\$550.00
Multi-Family Residential and Non-Residential'	\$900.00	\$900.00
Residential Change in Contractor New one and two-family dwelling	10% of existing permit fee or \$20.00, whichever is greater	10% of existing permit fee or \$20.00, whichever is greater
Change in Contractor: Commercial, institution, public land use, recreation, multi-family buildings and fire suppression systems	10% of existing permit fee or \$50.00 minimum, whichever is greater	10% of existing permit fee or \$50.00 minimum, whichever is greater

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Fee Description	2019	2020
Fee for work without permits	\$200 const. cost up to \$10,000 \$330 const. cost \$10,000 to \$25,000 \$650 const. cost \$25,000 to \$50,000 \$1,250 const cost over \$50,000	\$200 const. cost up to \$10,000 \$330 const. cost \$10,000 to \$25,000 \$650 const. cost \$25,000 to \$50,000 \$1,250 const cost over \$50,000
Re-inspection after 2nd failed Residential inspections for: Blasting, Footing, Foundation, Backfill, Slab, Rough, Framing, Energy, Drywall, Sprinkler, Rough In/Duct Testing, Underslab, Rough In, Shower Pan, Sewer Lateral (New Construction), Water Service (New Construction), Steel/Bonding & Final/Barrier (pools), Wire/Flashing/Barrier (stucco), Final	New for 2020	\$100
Re-inspection after 2nd failed Commercial inspections for: Footing, Foundation, Backfill, Slab, Rough, Framing, Above Ceiling, Energy, Close Up/Drywall, Sprinkler, Alarm, Rough In/Duct Testing, Underslab, Rough In, Shower Pan, Sewer Lateral (New Construction), Water Service (New Construction), Wire/Flashing/Barrier (stucco), Steel/Bonding & Final/Barrier (pools), Final	New for 2020	\$200
Fee Change Narrative: 1. There has been a growing trend where our Inspectors are showing up to a site for a schedule inspection and the work is either not yet complete or done in such a manner that the contractors appear to be hoping the inspector will not take a careful look at the work. In some instances, inspectors are re-inspecting the same work 3 or 4 times. This is a tremendous waste of Township resources and prevents Department Staff from addressing other priorities. The intent of the fee is two-fold; 1) cover the cost of sending Township inspectors out for the same inspection numerous times; and 2) act as a deterrent to contractors to complete the project as per the approved plans and in a workman like manner.		

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Engineering Department		
Grading Permit		
Shed Permit Fee - to be used for installation or replacement of a storage shed only	\$120.00	\$120.00
<p>Grading Permit Application Minor (<500 SF NEW Impervious or disturbance)</p> <p>This permit is for smaller projects where construction is less than 500 SF of new impervious surface or site disturbance. There is a \$50 permit application fee. Plan review, and inspection cost is \$460. *Should the cost of reviews and/or inspections exceed \$460, the applicant will be required to pay the overage before the project is approved. <u>A Certificate of Occupancy will not be issued unless all improvements are installed, inspected, and approved by the Township.</u></p>	\$510.00	<p>Permit Application Fee \$50</p> <p>Plan review & inspection \$460</p>
<p>Grading Permit Application (500 SF < NEW Impervious or Disturbance < 1,500SF)</p> <p>This application is to be used when NEW impervious is greater than 500 SF, but less than 1,500 SF. A groundwater recharge system is required to mitigate this amount of NEW impervious. The permit application fee is \$50. Plan reviews, and inspections cost is \$1,450. No escrow is required for the improvements; <u>a Certificate of Occupancy will not be issued unless all improvements are installed, inspected, and approved by the Township.</u></p> <p>The applicant is required to pay all cost overages; i.e. if the balance of the account, after deducting current review fees is less than \$500, the applicant will be required to deposit additional funds to keep the balance at \$1,500. All unused funds will be returned to the applicant upon inspection and approval of the project</p>	\$1,500 (combined application fee and Professional Services Account)	<p>Permit Application Fee \$50</p> <p>Plan review and inspections \$1,450</p>
<p>Stormwater Management Permit Application (for projects with >1,500 NEW impervious or disturbance)</p> <p>The cost of the permit application fee is \$50. A professional services (PSA) account will be funded by the applicant with a balance of \$3,000. The review process, inspections, SWM Agreement, legal, and other communications will be billed per the attached fee schedule, and reimbursed by the applicant funded PSA. For single lot construction, an escrow for non-dedicated improvements is not required; a Certificate of Occupancy will not be issued unless all improvements are installed, inspected, and approved by the Township. An escrow account will be required for improvements dedicated to the Township.</p> <p>Professional Services Account Required. The applicant is required to pay all cost overages; upon the balance of the PSA reaching \$1,000, applicant will be required to deposit appropriate funds to keep balance at \$3,000. All unused funds will be returned to the applicant upon completion of project</p>	\$3,050 (combined application fee and professional services account)	<p>Permit Application Fee \$50</p> <p>Professional Service Agreement \$3,000*</p>

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Subdivision / Land Development (“SALDO”)		
<p>Sketch Plan, Reverse Subdivision, Lot line Change, Lot Consolidation.</p> <p>The application fee is \$50. This application requires a \$3,950 professional services (engineering, legal) account. Upon the balance of the PSA reaching \$1,000, applicant will be required to deposit appropriate funds to keep balance at \$4,000. All unused funds will be returned to the applicant upon completion of project. A signed deposit slip is required at the time of application submission</p> <p>*Upon the balance of the PSA reaching \$1,000, applicant will be required to deposit appropriate funds to keep balance at \$4,000. All unused funds will be returned to the applicant upon completion of project.</p>	\$4,400 combined application fee and PSA	Application Fee \$50 Professional Services Agreement \$3,950*
<p>ALL LAND DEVELOPMENT (minor, major, multi-family, etc.) . The permit application fee is \$50. The professional services account fee is \$16,950. All reviews and legal invoices are billed against the PSA; when the balance of the PSA falls to \$5,000, the applicant is required to deposit funds to achieve a balance of \$10,000 in the PSA account. All unused funds will be returned to the applicant upon completion of project.</p> <p>*All reviews and legal invoices are billed against the PSA; when the balance of the PSA falls to \$5,000, the applicant is required to deposit funds to achieve a balance of \$10,000 in the PSA account. All unused funds will be returned to the applicant upon completion of project.</p>	\$17,000 combined application fee and PSA .	Application Fee \$50 Professional Services Account \$16,950*
<p>Inspections of Improvements</p> <p>Increase based on the service agreement contracts for consultants, approved by the Board of Commissioners in 2019, and staff salary increases.</p>	Inspection by staff inspector-\$84/hr. All others, see rates in Appendix A	Inspection by staff inspector-\$90/hr. All others, see rates in Appendix A
<p>Review of Development Plans, including legal, SWM agreements, developers agreements, escrow review, financial security agreements, by staff, consultants, and/or solicitor.</p> <p>Increase based on the service agreement contracts for consultants, approved by the Board of Commissioners in 2019, and staff salary increases.</p>	See rates in Appendix A	See rates in Appendix A
Transfer of Real Estate Fee	\$150 / property	\$150 / property
Transfer of Real Estate Fee – Expedited in 14 calendar days or less	\$300 / property	\$300 / property
Notes: All professional service account funds are required to be deposited with the Township at the time of the initial plan application pursuant to the Township’s Professional Services Agreement. The Township-incurred professional fees shall be billed in accordance with the Professional Service Fees in Appendix A.		

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Sewage Enforcement		
Sewage Enforcement Officer Permits	\$750.00 per application (includes inspection)	\$750.00 per application (includes inspection)
Sewage Enforcement Officer Permits (additional perc test)	\$350.00	\$350.00
Sewage Enforcement Officer Permits (repairs to existing system)	\$300.00	\$300.00
Other Engineering		
Sidewalk Replacement Permit Fee	1 – 10 Blocks \$50.00/permit 11 – 20 Blocks \$100.0/permit 21+ Blocks \$125.00/permit	1 – 10 Blocks \$50.00/permit 11 – 20 Blocks \$100.0/permit 21+ Blocks \$125.00/permit
Clearing Permits If inspections are required, they will be charged in accordance with Appendix A.	\$250/acre	\$250/acre (minimum fee is \$250)
Plotter Services		
8.5" x 11" or 9" x 12"	\$1.50 (b/w) \$5.00 (color)	\$1.50 (b/w) \$5.00 (color)
11" x 14"	\$3.00 (b/w) \$9.00 (color)	\$3.00 (b/w) \$9.00 (color)
11" x 17" or 12" x 18"	\$10.00 (b/w) \$12.00 (color)	\$10.00 (b/w) \$12.00 (color)
17" x 22" or 18" x 24"	\$15.00 (b/w) \$18.00 (color)	\$15.00 (b/w) \$18.00 (color)
22" x 34" or 24" x 36"	\$20.00 (b/w) \$22.00 (color)	\$20.00 (b/w) \$22.00 (color)
34" x 44" or 36" x 48"	\$22.00 (b/w) \$35.00 (color)	\$22.00 (b/w) \$35.00 (color)

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Finance and Administration		
Stormwater and Sanitary Sewer Fees		
Sanitary Sewer Rent	\$7.14 per 1,000 gallons' water used	\$7.85 per 1,000 gallons' water used
Sanitary Sewer Rent Delinquent Charges	1% monthly beginning June 1 through March 1 applied on the full outstanding balance from the previous month	1% monthly beginning June 1 through March 1 applied on the full outstanding balance from the previous month
Stormwater Fee	\$29.00 per unit	\$29.00 per unit
Stormwater Fee Delinquent Charges	0.5% monthly beginning March 1 through December 1 applied on the full outstanding balance from the previous month	0.5% monthly beginning March 1 through December 1 applied on the full outstanding balance from the previous month
Sanitary or Stormwater Certification Fee	\$7.50	\$7.50
Expedited Sanitary or Stormwater Certification Fee Surcharge (if request submitted within 48 hours of desired date / time)	\$20.00	\$20.00
Sanitary Sewer Connection Fee New Residential	\$850.00	\$850.00
Sanitary Sewer Connection Fee New Commercial	\$1,250.00	\$1,250.00
Sanitary Sewer Connection Fee New Multi-family (0-10 units)	\$500.00 per unit	\$500.00 per unit
Sanitary Sewer Connection Fee New Multi-family (11 or more units)	\$400.00 per unit	\$400.00 per unit
Minimum Sewer Service Charge	\$65.00	\$65.00
Filing of Lien (to include, but not limited to, Sanitary Sewer Rent, Stormwater Fee, or Property Maintenance Costs)	\$125.00 Attorney Fee \$18.50 Filing Fee	\$125.00 Attorney Fee \$18.50 Filing Fee
Writ of Scire Facias (for delinquent accounts)	\$100.00 Attorney Fee \$22.50 Filing Fee	\$100.00 Attorney Fee \$22.50 Filing Fee

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Entering of Judgement (for delinquent accounts)	\$150.00 Attorney Fee \$13.50 Filing Fee	\$150.00 Attorney Fee \$13.50 Filing Fee
Sheriff Sale	Actual Cost	Actual Cost
Other Finance Department		
Business Privilege and Mercantile License Fee	\$10.00	\$10.00
Postage Non-Residential	Actual Cost	Actual Cost
Returned Check	\$50.00	\$50.00
Refund Fee	10% per refund, with a minimum of \$10.00	10% per refund, with a minimum of \$10.00
Public Document Copy Charges (Right-to-know Requests)	\$0.25 per one sided page	\$0.25 per one sided page
Public Document CD Creation Charges (Right-to-know Requests)	\$5.00 each	\$5.00 each
Certification of Record (Right-to-know Requests)	\$1.00	\$1.00
Information Technology		
Room Rentals		
General: The Township offers three (x3) conference rooms for rental. Rates double on Saturday, Sunday, and Township holidays. Contact Township for Conference Room and Equipment Rental policy and room availability. Please see the <i>Information Technology Policy for Rental and Use of Township Conference Rooms & Equipment</i> for fee waiver opportunities.		
Friends Meeting Room (ground floor) – capacity 40	\$50.00 per hour	\$50.00 per hour
Radnorshire Room (first floor) – capacity 125	\$100.00 per hour	\$100.00 per hour
Radnorshire Room (first floor) – capacity 125 - Tenant rental	\$250.00 per hour	\$250.00 per hour
Powys Room (first floor) – capacity 15	\$35.00 per hour	\$35.00 per hour
Hourly Equipment and Staffing Fees		
General: Conference rooms offer additional equipment features such as a podium, microphones, special seating configurations, additional tables, A/V equipment, TV/DVD/VCR and wireless internet. A/V equipment rentals require staffing, a minimum of two (x2) hour charge, and rates double after four (x4) hours. Contact Township for Conference Room and Equipment Rental policy and staffing availability.		
IT Staff Member (as needed)	\$50.00 /hour	\$50.00 /hour

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Room setup and breakdown (for equipment, configuration, etc.)	\$50.00 /hour	\$50.00 /hour
Room cleanup (trash, non-requested setup, etc.)	\$100.00 /hour	\$100.00 /hour
Podium (Radnorshire room only – no microphone)	\$0.00	\$0.00
Microphones – 21 conference room and 1 podium microphones	\$50.00 /hour	\$50.00 /hour
Wireless Microphones – 2 handhelds and 2 lavalieres (combo of any 2)	\$30.00 /hour	\$30.00 /hour
Projectors – 2 HD DLP Projectors	\$70.00 /hour (each)	\$70.00 /hour (each)
Monitors – 13 LCD monitors for viewing projections/DVD/VCR	\$20.00 /hour	\$20.00 /hour
Document Camera – View hard docs on large screens	\$60.00 /hour	\$60.00 /hour
DVD/VCR	\$15.00 /hour	\$15.00 /hour
Laptop Use	\$40.00 /hour	\$40.00 /hour
DVD Copy – Recording event on DVD (limit 1)	\$15.00 /hour	\$15.00 /hour
Digital Format – Recording event in other digital format (limit 1)	\$15.00 /hour	\$15.00 /hour
Portable Projector	\$50.00 /hour	\$50.00 /hour
50” Plasma TV Usage	\$70.00 /hour	\$70.00 /hour
Graphics – Character generated graphics inserted on screen	\$10.00 /hour	\$10.00 /hour
Package Fees		
General: Conference rooms, A/V equipment and staffing rentals are available as a package rental. Package rentals require staffing, a minimum of two (x2) hour charge and rates double after four (x4) hours. Contact Township for Conference Room and Equipment Rental Policy and staffing availability.		
Powys Room Only – 50” Plasma and laptop	\$100.00 per hour	\$100.00 per hour
Radnorshire Room (no recording) – Microphones, laptop, projector, setup and breakdown	\$250.00 per hour	\$250.00 per hour
Radnorshire Room (recording) – Microphones, laptop, projector, DVD recording, setup and breakdown	\$350.00 per hour	\$350.00 per hour
Film and Video Production Fees		
General: The film and video production permit is designed to provide effective coordination of events, including the filming and videotaping of television, film, commercial, non-profit, and feature productions.		
Film and video production permit	\$250.00 per production	\$250.00 per production

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Parks and Recreation		
General Programming and Events		
Programming and event fees are determined and allocated on an ongoing basis as they are planned. Specific programming and event identification remains under continual development, generally on a seasonal basis and once applicable direct costs are determined. Fees for those specific programs and events are set to cover the direct costs along with attempting to recover the associated overhead for the corresponding program or event. In the majority of circumstances, the direct costs of programming and events are not incurred unless the proceeds collected cover those costs. The Recreation Department determines the fees for programming and events on an ongoing basis throughout the developmental process.		
Administrative Fees		
Refund Fee	10% of the total fee paid, or a minimum of \$10.00 charge	10% of the total fee paid, or a minimum of \$10.00 charge
Non-Resident Program or Event Participation Fee	\$30.00 per person per registrant	\$30.00 per person per registrant
Parks, Picnic Areas, Fields, and Facilities		
Fenimore Woods (existing) Clem Macrone Park Pavilion Rental (Proposed New in 2017)	\$75.00 Resident \$150.00 Non-Resident/Companies	\$75.00 Resident \$150.00 Non-Resident/Companies
Picnic Court Park Area Rentals	\$55.00 Resident \$100.00 Non-Resident / Companies	\$55.00 Resident \$100.00 Non-Resident / Companies
Photo Permit for Township Park Grounds (New in 2017: Expanding the Fee to all Township Parks and added a Non-Resident/ Companies fee)	\$75.00 per hour \$100.00 Non-Resident / Companies per hour	\$75.00 per hour \$100.00 Non-Resident / Companies per hour
Field Permitting Fee (to cover the permitting costs for athletic fields) (New in 2017: Non-Resident/ Companies fee to cover the administrative cost of scheduling/ managing athletic fields.)	\$60.00 per field/ Three-hour usage \$100.00 per field/ Three-hour usage for Non-Resident / Companies	\$60.00 per field/ Three-hour usage \$100.00 per field/ Three-hour usage for Non-Resident / Companies
Adult League Team Field Permit (Softball, Soccer, Baseball, etc.) [The above fee applies to programs that utilize both Township fields and School District Fields]	\$100.00 per season Not-to-exceed 10-week period	\$100.00 per season Not-to-exceed 10-week period

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<p>Field Permitting Fee – For Profit /Restricted Groups, Private Educational Institutions, Organizations or Programs</p> <p>[Field Permitting fees do not apply to Radnor Community Youth Sports Organizations that include Radnor Soccer Club, Radnor Wayne Little League and Radnor Girls/Boys Lacrosse.]</p> <p>[Exceptions for this fee will consist of Radnor Township Restricted Groups, Private Educational Institutions, Organizations or Programs that provide the Township with the equivalent usage of its facility. These occurrences will be documented and provided to the Parks Board & BOC as they are recommended.]</p>	<p>\$15.00 per person per season Not-to-exceed 10-week period</p>	<p>\$15.00 per person per season Not-to-exceed 10-week period</p>
<p>Radnor Memorial Park Turf Field Permit Fee: [Fee was originally developed and structured within the Radnor Memorial Turf/Agnes Irwin School Lease Agreement.]</p> <ul style="list-style-type: none"> • Radnor Residents / Radnor Non-Profit Organizations or Programs • Radnor Private Educational Institutions, Organizations or Programs • Non-Radnor Residents / Non-Radnor Non-Profit Organizations, Educational Institutions, or Programs • For-Profit Businesses or Non-Resident Groups <p>[The above fees do not apply to Radnor Community Youth Sports Organizations that include Radnor Soccer Club, Radnor Wayne Little League and Radnor Girls/Boys Lacrosse.]</p> <p>Radnor Memorial Park Turf Field Lights Fee</p>	<p>\$75.00 per Three-Hour usage \$75.00 per hour \$125.00 per hour</p> <p>\$175.00 per hour</p> <p>\$18.00 per hour</p>	<p>\$75.00 per Three-Hour usage \$75.00 per hour \$125.00 per hour</p> <p>\$175.00 per hour</p> <p>\$18.00 per hour</p>

Advertising Fee (applicable to the Department Seasonal Recreation Brochure)		
Business Card Advertising in Brochure	\$200.00 per Advertisement	\$200.00 per Advertisement
Single Edition Publication Business Card Advertising in Township / Department Publication for Commercial Business	\$225.00 per Advertisement	\$225.00 per Advertisement
Single Edition Publication - ¼ page Advertising in Township/Department Publication for Commercial Business	\$450.00 per Advertisement	\$450.00 per Advertisement
Single Edition Publication - ½ page Advertising in Township/Department Publication for Commercial Business	\$650.00 per Advertisement	\$650.00 per Advertisement
Single Edition – Full-page Advertising in Township/Department Publication for Commercial Business (does not include inside front or back cover)	\$950.00 per Advertisement	\$950.00 per Advertisement

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Township Website Advertising	\$600.00 for 3 Months \$2,200.00 for 1 year	\$600.00 for 3 Months \$2,200.00 for 1 year
License Fee Advertising Banner for Encke Fields	\$2,000.00 per Field	\$2,000.00 per Field
Radnor Activity Center (“RAC”) at Sulpizio Gym Permit Fees		
Full Gymnasium Rentals		
<ul style="list-style-type: none"> Radnor Residents / Radnor Non-Profit Organizations or Programs [The above fees do not apply to Radnor Community Youth Sports Organization that include the Radnor Youth Basketball League, Radnor Soccer Club, Radnor Wayne Little League and Radnor Girls/Boys Lacrosse] 	\$60.00 per hour	\$60.00 per hour
<ul style="list-style-type: none"> Radnor Township Community Youth Sports Organizations operating as non-profit entities only (New fee in 2017) 	\$15.00 per hour	\$15.00 per hour
<ul style="list-style-type: none"> Radnor Township Community Youth Sports Organizations – For-profit contracted vendors operating on behalf of the non-profit Community Youth Sports Organization (New fee in 2017) 	\$35.00 per hour	\$35.00 per hour
<ul style="list-style-type: none"> Non-Radnor Residents / Non-Radnor Non-Profit Organizations or Groups 	\$110.00 per hour	\$110.00 per hour
<ul style="list-style-type: none"> Radnor Township Businesses, Educational Institutions, Organizations, or Programs 	\$110.00 per hour	\$110.00 per hour
<ul style="list-style-type: none"> Non-Radnor Businesses, Educational Institutions, Organizations, or Program 	\$200.00 per hour	\$200.00 per hour
Birthday Party / Gymnasium: 2-hour party with event leader and party room	\$300.00 Resident \$350.00 Non-Resident	\$300.00 Resident \$350.00 Non-Resident
RAC: Room Add-on Fee to Gym Rental	\$25.00 flat fee	\$25.00 flat fee
Fee Change Narrative: n/a		

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Police Department		
General Fees		
Alarm Registration Fee	\$100.00	\$100.00
Accident Report Fee	\$15.00	\$15.00
Fingerprinting Fee	\$30.00 for 1/\$20.00 per additional card	\$30.00 for 1/\$20.00 per additional card
Picture Fee	\$30.00 each	\$30.00 each
Incident Report Fee	As allowed per PA Right-to-Know	As allowed per PA Right-to-Know
Parking Permit Fee Residential Permits	\$25.00 Residential \$75.00 Non-Residential \$10.00 Senior Citizens \$5.00 Temporary Parking Per Day	\$25.00 Residential \$75.00 Non-Residential \$10.00 Senior Citizens \$5.00 Temporary Parking Per Day
Parking Permit Fee Louella Park and Walk	\$190.00 Half Year \$375.00 Full Year	\$190.00 Half Year \$375.00 Full Year
Meter Bag Fee/Parking Space Reservation	\$10.00 per day per parking space	\$15.00 per day per parking space
Request for Placement of Temporary “No Parking” Signs	N/A	\$25.00 Flat Fee
Peddling and Solicitation Fee	\$110.00	\$110.00
Extra Duty Fee Detail Rate	1.70 X Patrolman Overtime Rate	1.70 X Patrolman Overtime Rate
Police Vehicle at Location Fee (owner request)	\$25.00 per hour per vehicle	\$25.00 per hour per vehicle
Video Tape / DVD Fee	\$75.00 per copy	\$75.00 per copy
Records Check Fee	\$30.00 Written \$15.00 Verbal	\$30.00 Written \$15.00 Verbal
Police Service Fee Notarized Document	\$45.00 per service	\$45.00 per service
Expungement Letter Fee	\$100.00	\$100.00
K9 Services (Note: This only applies to non-emergency calls for service)	During Shift \$100.00 per hour 2 or 4-hour minimum at P.D. discretion	During Shift \$100.00 per hour 2 or 4-hour minimum at P.D. discretion

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	Non-Shift Paid at Detail Rate (above) 2 or 4-hour minimum at P.D. discretion	Non-Shift Paid at Detail Rate (above) 2 or 4-hour minimum at P.D. discretion
False Alarms Fine	\$70.00 2 nd Occurrence \$140.00 3 rd or more occurrences	\$70.00 2 nd Occurrence \$140.00 3 rd or more occurrences
Parking Fine	\$20.00 if paid on time \$25.00 additional for late payments	\$20.00 if paid on time \$25.00 additional for late payments
Parked Over the Line at a Meter	\$20.00	\$20.00
Beyond Time (Meter Feeding)	\$20.00	\$20.00
Where signs Prohibit Parking	\$15.00	\$20.00
In Front of a Private Drive	\$10.00	\$25.00
On a Cross Walk	\$10.00	\$20.00
Double Parked	\$10.00	\$25.00
Not Parallel with Curb	\$10.00	\$20.00
Facing Against Traffic	\$10.00	\$15.00
On a Sidewalk	\$10.00	\$25.00
Within 15 Feet of a Fire Hydrant	\$10.00	\$25.00
Within 25 Feet of an Intersection	\$10.00	\$20.00
Parked During Snow Removal	\$10.00	\$25.00
Obstructing Traffic	\$10.00	\$20.00
Handicap Parking	\$150.00	\$150.00
Other Parking Violation	\$10.00	\$20.00
Violation of Fire Marshal	\$25.00	\$25.00

Fee Change Narrative: The ticket prices with the exception of Meter/Kiosk, Parked Over the Line at Meter, Meter Feeding and Handicapped violations, haven't changed or been updated since 2004. Other than noted parking ticket increases, no other fee changes are being requested for 2020

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Public Works Department		
General Fees		
Road Opening Permit The applicant will be required to set up a Professional Services Account with the Township to cover the cost of inspections, legal, compaction testing, and items, as required. Opening balance of the PSA is \$15,000,	\$150.00 per 100 ft cut (permit fee only).	\$150.00 per 100 ft cut (permit fee only).
Bulk Trash Collection	\$50.00 Less than 5 items or 150 lbs Add'l \$25.00 each additional 5 items Add'l \$25.00 each item over 150 lbs Add'l \$10.00 each item with Freon Add'l \$5.00 each item with Propane	\$75.00 Less than 5 items or 150 lbs Add'l \$25.00 each additional 5 items Add'l \$25.00 each item over 150 lbs Add'l \$10.00 each item with Freon Add'l \$5.00 each item with Propane
Recycling Can Replacement	\$30.00 per can	\$30.00 per can
Rear Yard Trash Collection (single and multi-family units with less than 9 attached units)	\$500.00 per house/unit per year	\$500.00 per house/unit per year
Rear Yard Trash Collection (multi-family units with greater than 9 attached units)	\$275.00 per unit per year	\$275.00 per unit per year
Fee Change Narrative: Additional charge for Bulk Trash Collection to keep up with the rising tipping fees.		

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Appendix A
Professional Services Hourly Rates

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Township Staff	
Township Manager	\$125.00 per hour
Police Superintendent	\$140.00 per hour
Assistant Township Manager & Finance Director	\$120.00 per hour
Engineer	\$120.00 per hour
Police Lieutenant	\$120.00 per hour
Community Development Director	\$120.00 per hour
Recreational Programming Director	\$120.00 per hour
Public Works Director	\$120.00 per hour
Engineering Inspector	\$100.00 per hour
Information Technology	\$90.00 per hour
Gannett Fleming, Inc.	
Senior Project -Manager	\$175.00 per hour
Project Engineer	\$130.00 per hour
Staff Engineer	\$120.00 per hour
Engineering Technician	\$105.00 per hour
Field Technician	\$90.00 per hour
Clerical	\$70.00 per hour
Specialty Engineers, Scientists and Planners (as needed)	TBD
QCI, Inc.	
Field Inspector (Civil)	\$80.00 per hour
Owner's Representative (Clerk of the Works)	\$87 per hour
Contract Administrator	\$118.50 per hour
Construction Engineer, PE	\$133 per hour
Clerical	\$61.00 per hour
Document Controller	\$71.50 per hour
Gilmore & Associates, Inc.	
Principal III	\$160 per hour
Principal II	\$150 per hour
Principal I	\$145 per hour
Consulting Professional V	\$140 per hour
Consulting Professional IV	\$135 per hour
Consulting Professional III	\$130 per hour

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Consulting Professional II	\$125 per hour
Consulting Professional I	\$120 per hour
Design Technician V	\$115 per hour
Design Technician IV	\$105 per hour
Design Technician III	\$100 per hour
Design Technician II	\$95 per hour
Design Technician I	\$90 per hour
Construction Representative III	\$110 per hour
Construction Representatives II	\$100 per hour
Construction Representatives I	\$90 per hour
Surveying Crew	\$150 per hour
Project Assistant	\$85 per hour
Grim, Biehn & Thatcher	
Township Solicitor	\$190 per hour

Reports of Standing Committees of the Board

New Business

Old Business

Public Participation

Adjournment