

BOARD OF COMMISSIONERS

AGENDA

Monday, August 10, 2020 - 6:30 PM

Pledge of Allegiance

1. Public Participation

2. Consent Agenda

- a) Disbursement Review & Approval
- b) Approval of minutes of the Board of Commissioner meeting of July 13, 2020
- c) Chief's Monthly Report
- d) Staff Traffic Committee Meeting Minutes – July 2020
- e) Resolution #2020-81: Authorizing and Directing the Submittal of the Application for Traffic Signal Approval (TE-160) to the Pennsylvania Department of Transportation for the Intersection of King of Prussia Road (SR 1021) and Eagle Road (SR 1042)/Pine Tree Road.
- f) Resolution #2020-87 - Authorizing an Electronics and Paper Shredding Event to be hosted by Radnor Township
- g) HARB- 2020-03 – 420 St Davids Road – Construct detached 2 car garage.
- h) HARB-2020-07 – 402 Midland Avenue – Remove rear furnace chimney. Remove windows on rear addition to create a porch.
- i) HARB-2020-08 – 246 Upland Way – New roof line for 2nd floor addition; relocate front entry and expand front porch.
- j) Resolution #2020-79 - Approving the Property and Casualty Insurance Binder for Property, General Liability, Automobile, Police Professional Liability, Public Officials Liability, Employment Practices Liability, Umbrella Liability, and Cyber Liability Insurance Coverage Beginning August 1, 2020 through July 31, 2021 in the Amount of \$383,844.
- k) Resolution #2020-83 - Authorizing the Receipt of Sealed Bids for the Construction of the West Wayne Avenue Pedestrian Improvements (previously approved for design only)
- l) Resolution #2020-88 Award of bid for Road De-Icing Salt for the 2020-21 Winter Season (Annual Consortium Agreement administered by Newtown Township, guarantees a price for salt and availability when needed.)

3. Recognition of Steve McNelis, Public Works Director, for his 30+ years of service to Radnor Township

4. Committee Reports

- A. Resolution #2020-86 - Waiver Request: Janiczek Homes, 427 East Lancaster Avenue, Drive Isle Width
- B. Resolution # 2020-89 Board Acceptance of 2019 Audited Financial Statements & Independent Auditor Report
- C. Shade Tree Commission Fall Tree Planting Program: Requesting Authorization for Receiving Bids

- D. Resolution #2020-82 - Authorizing the Award of the Design Contract for the Stream bank Stabilization at 210 Gulph Creek Road to Carroll Engineering in the amount of \$12,543, funded by the Stormwater Fund.
 - E. Board Authorization for the Emergency Short Term Ithan Creek Stream Bank Stabilization at 790 Robinhood Road.
 - F. Ordinance #2020-16 (**Introduction**) Prohibiting the Making of Unnecessary and Excessive Construction Noise During Certain Hours
 - G. Stormwater/Sanitary Sewer Project Funding and Possible Advanced Refunding of GOB Series 2012
 - a. Resolution #2020-90 – Authorizing the Township Manager to Engage PFM to Provide Financial Advisory Services for the Township’s Proposed Bond Issue for New Money for Stormwater Capital Improvements and/or Advanced Refunding of GOB Series 2012
 - b. Resolution #2020-91 – Authorizing the Township Manager to Engage Cozen O’Conner as Bond Counsel for the Township’s Proposed Bond Issue for New Money for Stormwater Capital Improvements and/or Advanced Refunding of GOB Series 2012
 - H. Resolution #2020-92 – Encouraging All Citizens to Wear Face Masks to Prevent the Spread of COVID-19
- 5. Reports of Standing Committees of the Board
 - 6. New Business
 - 7. Old Business
 - a. 108 W. Wayne Avenue Proposed Development
 - 8. Public Participation
 - 9. Adjournment

Meeting Notice

There will be a Regular Board of Commissioners meeting held on Monday, August 10, 2020 at 6:30 PM in the Radnorshire Room of the Radnor Township Building, 301 Iven Avenue, Wayne, PA 19087. Please be advised by direction of the Governor’s Office, attendance will be limited to 25 or less in the Radnorshire Room. Township Staff will ensure safety protocols will be followed and that any member of the Community will be rotated in as needed.

Public Participation

RADNOR TOWNSHIP
DISBURSEMENTS SUMMARY
August 10, 2020

The table below summarizes the amount of disbursements made since the last public meeting held on July 13, 2020. 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) | 2020-7B July 16, 2020 | 2020-7C July 30, 2020 | Total |
|---|--------------------------|--------------------------|---------------------------|
| General Fund (01) | \$402,019.41 | \$442,347.75 | \$844,367.16 |
| Sewer Fund (02) | 73,821.84 | 3,345.00 | 77,166.84 |
| Liquid Fuels Fund (03) | 0.00 | 17,657.82 | 17,657.82 |
| Storm Sewer Management (04) | 0.00 | 193,167.60 | 193,167.60 |
| Capital Improvement Fund (05) | 12,867.00 | 72,041.97 | 84,908.97 |
| OPEB Fund (08) | 133,012.17 | 0.00 | 133,012.17 |
| Escrow Fund (10) | 93,819.11 | 2,400.00 | 96,219.11 |
| Investigation Fund (12) | 224.00 | 0.00 | 224.00 |
| Comm. Shade Tree Fund (15) | 480.00 | 0.00 | 480.00 |
| The Willows Fund (23) | 16,493.76 | 557.59 | 17,051.35 |
| Park & Trail Improvement Fund (501) | 2,200.00 | 8,848.40 | 11,048.40 |
| GOB19 Project Fund (502) | 54,166.30 | 0.00 | 54,166.30 |
| Total Accounts Payable Disbursements | \$789,103.59 | \$740,366.13 | \$1,529,469.72 |
| Grand Total | \$789,103.59 | \$740,366.13 | \$1,529,469.72 |

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,



Robert V. Tate, Jr.
Finance Director

TOWNSHIP OF RADNOR
Minutes of the Meeting of July 13, 2020

The Radnor Township Board of Commissioners met at approximately 6:37 PM in the Radnorshire Room in the Radnor Township Municipal Building, 301 Iven Avenue, Wayne, PA 19087

Commissioners Present

*Jack Larkin, President Lisa Borowski, Vice President Jake Abel (arrived 6:58 pm)
Richard Booker Sean Farhy Moira Mulrone (arrived 6:45pm) Damien Enderle*

Also Present: *John Rice, Township Solicitor; Joseph C. Rudolf, Township Labor Solicitor, Robert Tate, Finance Director, Kathryn A. Gartland, Treasurer, Steve McNelis, Director of Public Works, Steve Norcini, PE, Township Engineer; Roger Philips, Engineer, Joe Carlin, Traffic Engineer, Christopher Flanagan, Superintendent of Police; Tammy Cohen, Director of Recreation and Community Programming, Kevin Kochanski, Director of Community Development, Peggy Hagan, Executive Assistant to the Township Manager.*

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

1. *Public Participation*

Sara Pilling – She gave a shout out to the Willows Park Preserve on the recent concert held at the Willows.

George Broseman – He would like BOC to reconsider their decision to send John Rice, Township Solicitor, to the Zoning Hearing Board meeting to oppose the application for 108 W. Wayne Avenue. He would also like the opportunity to present to Board of Commissioners.

2. *Consent Agenda*

a) *Disbursement Review & Approval*

b) *Approval of minutes of the Board of Commissioner meeting of June 22, 2020*

c) *Chief's Monthly Report*

d) *Staff Traffic Committee Meeting Minutes – June 17, 2020*

e) *HARB-2020-02 – 200 ½ West Wayne Avenue – Construct new 1 car garage and rear porch. Add front door.*

f) *HARB-2020-04 – 309 Orchard Way – Construct 1 story addition at rear of home.*

g) *HARB-2020-05 – 132 West Wayne Avenue – New siding, windows and small addition to west side of building.*

h) *HARB-2020-06 – 124 Walnut Avenue – Add exterior Bilco door.*

i) *Resolution #2020-77 – Authorizing Radnor Township renewal of Office 365 Licensing.*

j) *Resolution #2020-76 – 147 Conestoga Road Sewer Facility Planning Module*

Commissioner Booker asked for item 2j to be removed from the consent agenda.

2j – Resolution #2020-76 – 147 Conestoga Road Sewer Facility Planning Module

There was discussion amongst the Commissioners and Staff. Commissioner Larkin called the vote to approve the resolution. The motion passed 5-0 with Commissioners Mulrone and Abel absent.

Resolution #2020-70 - Authorizing the Receipt of Sealed Bids for Construction of the Harford Trail

Commissioner Larkin moved to approve the consent agenda. Seconded by Commissioner Borowski. The motion passed 5-0 with Commissioners Mulrone and Abel absent.

3. Committee Reports

A. Resolution #2020-73 – Villanova University, CEER Building, Preliminary/Final Approval Land Development

There was discussion amongst the Commissioners, Staff, and Applicant. John Rice, stated that there is a language change to #4 on the resolution, the language is now to read “The Applicant shall execute Development and Financial Security Agreements in a form and manner to be approved by the Township Engineer and Township Solicitor, *and the new building shall be restricted to engineering, education, and research by a note on the record plan.*”

Commissioner Larkin moved to approve the resolution with the additional language. Seconded by Commissioner Farhy. The motion passed 5-2 with Commissioners Booker and Abel opposed.

B. Resolution #2020-72 - 117 Radnor Chester Road- Final – Minor Land Development

There was discussion amongst the Commissioners, Staff, and Applicant. Commissioner Larkin called the vote to approve the resolution. The motion failed 7-0.

C. Ordinance #2020-15 - (Adoption) An Ordinance Approving a Lease Agreement Between the Township of Radnor and the Sports Legends of Delaware County, Inc.

Commissioner Larkin moved to approve the adoption of the ordinance. Seconded by Commissioner Enderle. The motion passed 7-0.

D. Ordinance #2020-05 – (Adoption) Emergency Response Rapid Entry Systems

There was discussion amongst the Commissioners and Staff. Commissioner Farhy moved to strike the fine from the resolution. Seconded by Commissioner Booker. The motion, to strike the fine, failed 4-3 with Commissioners Abel, Booker, and Farhy in favor.

Commissioner Borowski moved to change the maximum fine to \$500. Seconded by Commissioner Larking. The motion passed 6-1 with Commissioner Booker opposed and Commissioner Farhy off the dais.

Commissioner Borowski moved to strike the term “owner-occupied” from the exclusion of one and two-family dwellings. Seconded by Commissioner Booker. The motion passed 7-0.

Commissioner Larkin called the vote to approve the amended resolution. The motion

passed 5-2 with Commissioners Booker and Farhy opposed.

Public Comment

Barron Gemmer – He would like to strike the term “owner- occupied” from the exclusion of one and two-family dwellings.

Sara Pilling – She would like to see this as an option for private homes.

E. Ordinance #2020-14 – (Adoption) Amending Section 5-70, Civil Service Provisions, of Chapter 8 of the Radnor Township Rules and Regulations

There was discussion amongst the Commissioners and Staff. Commissioner Farhy moved to table the adoption of the ordinance. Seconded by Commissioner Booker the motion failed for lack of majority.

Commissioner Larkin moved to approve the adoption of the ordinance. Seconded by Commissioner Borowski. The motion passed 6 - 1 with Commissioner Booker opposed.

F. Resolution #2020-74 – Awarding the 2020 Superpave Resurfacing Project to Allan Myers, L.P.

Commissioner Larkin moved to approve the resolution. Seconded by Commissioner Borowski. The motion passed 7-0.

G. Resolution #2020-71 Roberts Road Culvert - Authorizing the Payment of Change Orders #1: Additional gas line location work, #2: Powder coating of guiderail and concrete coloring, and #3: Cost of accelerated work schedule, to Loftus Construction in the Amount of \$35,049.25

There was discussion amongst the Commissioners and Staff. Commissioner Larkin moved to approve the resolution. Seconded by Commissioner Borowski. Commissioner Abel moved to amend the motion to strike #3 from the resolution. Seconded by Commissioner Booker. Motion failed for lack of majority. Commissioner Larkin called the vote to approve the resolution. The motion passed 5-2 with Commissioners Abel and Booker opposed.

H. Radnor TAP Trail – Easement Agreement Approvals with Penn Medicine and Cornerstone Homeowners Association

There was discussion amongst the Commissioners and Staff. Commissioner Larkin moved to approve the resolution. Seconded by Commissioner Borowski. The motion passed 7-0.

I. Resolution #2020-78 Establishing a Policy for Granting or Denying Modifications Under the Radnor Township Subdivision and Land Development Ordinance and creating a Capital Improvement Fund to Accept Fees and Contributions

There was discussion amongst the Commissioners and Staff. Commissioner Enderle moved to table the resolution. Seconded by Commissioner Booker. The motion passed 4-3 with Commissioners Abel, Farhy, and Mulroneu opposed.

Commissioner Larkin asked the Commissioners to reach out to John Rice, Township Solicitor, to

give him feedback on the ordinance.

4. Reports of Standing Committees of the Board

Commissioner Booker reported on the Community Development Sub-Committee meetings which resulted in feedback for Kevin Kochanski with the expectation to see a return of the ordinance at a future Board of Commissioners meeting and discussed the proposed fence ordinance with a decision that it will not come back in front of the Board. Also, discussed was the 108 W. Wayne Avenue proposal and the implementation of a new Radnor Township Historical Commission that would be of aid in maintaining and saving historic properties throughout Radnor Township.

Commissioner Sean Farhy asked for volunteers for the Historical and Architectural Review Board.

Commissioner Borowski welcomed Joyce Platfoot, the new Executive Director of Radnor Memorial Library.

5. New Business

None

6. Old Business

Commissioner Borowski stated that John Rice, Township Solicitor will be bringing a proposed noise ordinance to the August 10, 2020 Board of Commissioners Meeting. She would also like to get back to discussing Stormwater projects and funding.

Commissioner Abel asked how close the Engineer is to bringing the West Wayne Preserve back to the Board of Commissioners. Mr. Norcini stated that the testing should be back in a few weeks and he hopes to go over the final product with Commissioner Abel in September and possibly bring it to the Board of Commissioners late fall.

108 W. Wayne Avenue Development - George Broseman and Eli Kahn, representatives for 108 W. Wayne Ventures, LLC presented the proposed development at 108 W. Wayne Avenue. Mr. Broseman asked the Board to reconsider sending the Township Solicitor to Zoning Hearing Board to oppose their application. Mr. Broseman also requested 108 W. Wayne Avenue be placed on the August 10, 2020 Board of Commissioners Agenda.

6. Public Participation

None

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

Peggy Hagan

RADNOR TOWNSHIP POLICE DEPARTMENT

Monthly Report



August 2020

**Christopher B. Flanagan
Police Superintendent**

Calls for Service - by Keyword

RADNOR TOWNSHIP

Incidents Reported Between 07/01/2020 and 07/31/2020



| Code | Description | Primary Count | Secondary UCR Count | | |
|-----------------|--|------------------|---------------------|--------|--------|
| | | | Code 2 | Code 3 | Code 4 |
| 3501 | DISTURBANCE-COMPLAINT OF NOISE,MUSIC,ETC | 16 | | | |
| 3520 | DOMESTIC PROBLEM (NO ARREST) | 16 | | | |
| 3650 | PECO-ENEGY NOTIFICATION/POWER OUTAGES | 0 | 4 | | |
| 4000 | JUVENILE PROBLEMS (NO ARREST) | 3 | | | |
| 4200 | MISSING PERSONS(EXCEPT JUVENILES) | 2 | | | |
| 4301 | MENTAL HEALTH-ALL OTHERS | 3 | 2 | | |
| 4500 | OPEN DOORS/WINDOWS | 2 | | | |
| 4600 | ORDINANCE VIOL.-EXCEPT BURNING/SOLICIT | 3 | | | |
| 4650 | POLICE INFORMATION | 28 | | 1 | |
| 4655 | CID/DTF INVESTIGATION | 3 | | | |
| 4660 | 911 HANG UP CALL | 21 | | | |
| 4700 | ADDED PATROL-REQUEST FOR | 144 | 2 | | |
| 4701 | ADDED PATROL - BUSINESS CHECKS | 128 | | | |
| 4702 | ADDED PATROL - SCHOOL CHECKS | 34 | 1 | | |
| 4801 | SOLICITING-COMPLAINTS | 1 | | | |
| 4900 | SUSPICIOUS PERSON | 9 | | | |
| 4901 | SUSPICIOUS CIRCUMSTANCE | 21 | | | |
| 4902 | SUSPICIOUS VEHICLES | 17 | 2 | | |
| 5300 | TREES DOWN AND/OR BLOCKING ROADWAY,ETC | 8 | | | |
| 5401 | VEHICLES-ASSIST MOTORIST(INCL LOCKOUTS) | 16 | | | |
| 5402 | VEHICLES-DISABLED | 13 | | | |
| 5403 | VEHICLES-MV VIOLATIONS & MVV COMPLAINTS | 17 | 1 | | 1 |
| 5404 | VEHICLES-PARKING COMPLAINTS | 10 | | | |
| 5405 | VEHICLES-TOWED | 2 | 1 | | |
| 5501 | WIRES DOWN - NO HAZARD | 5 | | | |
| 6003 | ACCIDENT - NON REPORTABLE | 16 | 1 | | |
| 6005 | ACCIDENT - NO REPORT DONE | 2 | | | |
| 6007 | ACCIDENT - BRIDGE STRIKE | 1 | | | |
| 8001 | BURG/HOLDUP/PANIC ALARM - NO CITATION | 79 | | | |
| 8002 | FIRE/MEDICAL ALARM - CITATION ISSUED | 1 | | | |
| 8003 | FIRE/MEDICAL ALARM - NO CITATION | 20 | | | |
| 8004 | ANY ALARM- SEVERE WEATHER- NO CITATION | 1 | 1 | | |
| 9001 | ANIMALS-RABID/SICK | 2 | | | |
| 9005 | ANIMALS - ALL INVOLVING DEER | 5 | | | |
| 9038 | K-9 ASSIST | 1 | 1 | | |
| 9039 | K-9 ASSIST OTHER LAW ENFORCEMENT | 1 | | | |
| 9050 | ASSIST SICK/INJURED | 90 | 2 | | |
| 9051 | ASSIST AMBULANCE | 3 | | | |
| 9052 | ASSIST OTHER POLICE DEPARTMENT | 1 | 1 | | |
| 9966 | SELECTIVE ENFORCEMENT-CITATION ISSUED | 15 | | | |
| 9968 | SELECTIVE ENFORCEMENT-WARNING ISSUED | 12 | | | |
| 9970 | SELECTIVE ENFORCEMENT-NO ISSUANCE | 24 | | | |
| 9972 | MOTOR OFFICER ACTIVITY | 0 | 7 | | |
| | | <u>796</u> | | | |
| ACCIDENT | | | | | |
| 3200 | CHECK ON WELFARE | 5 | | | |
| ADMIN | | | | | |
| 9000 | ANIMALS - DOG COMPLAINTS | 6 | | | |
| 9002 | ANIMALS - ALL OTHER | 2 | | | |
| 9055 | ASSIST SICK/INJURED ALCOHOL/DRUG RELATED | 5 | | | |

Calls for Service - by Keyword

RADNOR TOWNSHIP

Incidents Reported Between 07/01/2020 and 07/31/2020



| Code | Description | Primary Count | Secondary UCR Count | | |
|-------------------|--|------------------|---------------------|--------|--------|
| | | | Code 2 | Code 3 | Code 4 |
| | | 13 | | | |
| ALL ORDINA | | | | | |
| 2830 | TWP ORD-ALL OTHER | 1 | | | |
| ALL OTHER | | | | | |
| 2632 | ALL OTHER OFFENSES - LITTERING | 0 | 1 | | |
| 2640 | ALL OTHER ORDINANCE VIOLATIONS | 1 | | | |
| | | 1 | | | |
| ANIMAL | | | | | |
| 5502 | ANIMAL COMPLAINTS - BARKING DOGS | 2 | | | |
| 5506 | ANIMAL COMPLAINTS - STRAY ANIMALS | 1 | | | |
| 5510 | ANIMAL COMPLAINTS - OTHER | 8 | | | |
| | | 11 | | | |
| ASSAULT | | | | | |
| 0810 | SIMPLE PHYSICAL ASSAULTS | 1 | | | |
| ASSIST | | | | | |
| 7502 | ASSIST OTHER AGENCIES - FIRE DEPT. | 5 | | | |
| 7504 | ASSIST OTHER AGENCIES - OTHER POLICE | 2 | | | |
| | | 7 | | | |
| BICYCLES | | | | | |
| 5005 | FOUND BICYCLES | 1 | | | |
| CIVIL | | | | | |
| 3300 | CIVIL DISPUTES | 8 | | | |
| CONTACT | | | | | |
| 4016 | NON-CRIMINAL - PEDESTRIAN CONTACTS | 2 | | | |
| CRIM MISCH | | | | | |
| 1410 | CRIMINAL MISCHIEF TO AUTOMOBILES | 1 | | | |
| 1490 | CRIMINAL MISCHIEF - REPORTS | 2 | | | |
| | | 3 | | | |
| DISORDERLY | | | | | |
| 2400 | DISORDERLY CONDUCT | 2 | | | |
| 2410 | HARASSMENT BY COMMUNICATION | 8 | | | |
| 2420 | DISORDERLY CONDUCT-PUBLIC PLACES | 1 | | | |
| 2450 | HARASSMENT | 1 | | | |
| | | 12 | 1 | | |
| DISTURBANC | | | | | |
| 3620 | DISTURBANCES-OTHER (FIGHTS,DISPUTES,ETC) | 6 | | | |
| DOA | | | | | |
| 3320 | DOA | 2 | | | |
| DRUG | | | | | |

Calls for Service - by Keyword

RADNOR TOWNSHIP

Incidents Reported Between 07/01/2020 and 07/31/2020



| Code | Description | Primary Count | Secondary UCR Count | | |
|-------------------|--|------------------|---------------------|--------|--------|
| | | | Code 2 | Code 3 | Code 4 |
| DRUG | | | | | |
| 1822 | NARCOTICS-MANUFACTURE-MARIJUANA,ETC. | 0 | 2 | | |
| 1831 | NARCOTICS-POSSESSION-MORPHINE,HEROIN,ETC | 2 | | | |
| 1832 | NARCOTICS-POSSESSION-MARIJUANA,ETC. | 0 | 1 | 1 | |
| 1834 | NARCOTICS-POSSESSION-OTHER DANGEROUS | 0 | 1 | | |
| 1890 | NARCOTICS - REPORTS | 3 | | | |
| | | <u>5</u> | | | |
| DUI | | | | | |
| 2110 | DRIVING UNDER THE INFLUENCE-LIQUOR/DRUGS | 1 | | | |
| 2111 | DRIVING UNDER THE INFLUENCE - ALCOHOL | 1 | | | |
| 2112 | DRIVE UNDER INFLUENCE-ALCOHOL-IMPAIRED | 1 | | | |
| | | <u>3</u> | | | |
| FIRE | | | | | |
| 3700 | FIRE - RESIDENTIAL | 1 | | | |
| 3703 | FIRE-ALL OTHERS | 0 | 1 | | |
| 3706 | FIRE - LEAVES, BRUSH, ETC. | 5 | | | |
| 3840 | FIRES (INCLUDING ALARMS-FOUNDED/UNFOUND) | 4 | | | |
| | | <u>10</u> | | | |
| FRAUD | | | | | |
| 1100 | FRAUD | 1 | | | |
| 1130 | FRAUD - ALL OTHERS (FLIM-FLAM, ETC.) | 6 | | | |
| 1150 | FRAUD - CREDIT CARDS | 3 | 1 | | |
| 1190 | FRAUD-ALL OTHER(FLIM FLAM,CONFIDENCE | 1 | | | |
| 1191 | FRAUD - REPORTS | 7 | 1 | | |
| | | <u>18</u> | | | |
| HEROIN | | | | | |
| 4652 | HEROIN RELATED INCIDENT | 0 | 2 | | |
| IOD | | | | | |
| 4400 | OFFICER INJURED ON DUTY | 1 | | | |
| LIQUOR | | | | | |
| 2211 | LIQUOR LAW-UNDERAGE-PURCH,CONSMP,POSSES | 0 | 1 | | |
| LMPD | | | | | |
| 9040 | ASSIST LOWER MERION PD | 6 | | | |
| LOST/FOUND | | | | | |
| 5004 | LOST & FOUND - FOUND ARTICLES | 1 | | | |
| 5006 | LOST & FOUND - LOST ANIMAL | 2 | | | |
| 5008 | LOST & FOUND - LOST ARTICLES | 2 | | | |
| | | <u>5</u> | | | |
| MISSING PE | | | | | |
| 2900 | JUVENILE RUNAWAYS | 2 | | | |
| 5016 | LOST & FOUND - MISSING ADULT MALES | 0 | 1 | | |
| | | <u>2</u> | | | |
| MV ACCIDEN | | | | | |

Calls for Service - by Keyword

RADNOR TOWNSHIP

Incidents Reported Between 07/01/2020 and 07/31/2020



| Code | Description | Primary Count | Secondary UCR Count | | |
|-------------------|---|------------------|---------------------|--------|--------|
| | | | Code 2 | Code 3 | Code 4 |
| MV ACCIDEN | | | | | |
| 6002 | ACCIDENT - NO INJURIES (REPORTABLE) | 8 | 1 | | |
| 6004 | ACCIDENT - HIT & RUN | 8 | 1 | | |
| | | <u>16</u> | | | |
| N-TRAF CIT | | | | | |
| CITN | NON-TRAFFIC CITATION | 15 | | | |
| NEWTOWN | | | | | |
| 9043 | ASSIST NEWTOWN PD | 2 | | | |
| OTHER | | | | | |
| 4018 | NON-CRIMINAL-ST. LIGHT OUT, ST. REPAIRS. | 4 | | | |
| PFA | | | | | |
| 2647 | ALL OTHERS - PROTECTIVE ORDERS | 1 | | | |
| PSP | | | | | |
| 9047 | ASSIST PSP | 2 | | | |
| PUBL DRUNK | | | | | |
| 2300 | PUBLIC DRUNKENESS | 1 | 1 | | |
| RECEIVING | | | | | |
| 1390 | STOLEN PROPERTY - REPORTS (RECOVERY) | 1 | | | |
| SERVICE | | | | | |
| 7002 | NOTIFICATION - COMMUNITY DEVELOPMENT | 0 | 2 | | |
| 7014 | PUBLIC SERVICE - OTHERS (OFFICER ASSIST) | 10 | | | |
| 7090 | PUBLIC SERVICES - REPORTS | 1 | | | |
| | | <u>11</u> | | | |
| SUICIDE | | | | | |
| 4300 | MENTAL HEALTH-EMERG.302/SUICIDE ATTEMPTS | 1 | 1 | | |
| SUSPICIOUS | | | | | |
| 3500 | DISTURBANCE - DISORDERLY PERSONS | 2 | | | |
| SVC CALL | | | | | |
| 3810 | SERVICE CALL-ALARMS-UNFOUNDED-EXCPT FIRE | 1 | | | |
| 3850 | HAZARDOUS CONDITIONS | 17 | | | |
| 3880 | OPEN DOORS/WINDOWS - DISCOVERED | 3 | | | |
| 3900 | GAS LEAKS (NATURAL GAS) | 1 | | | |
| | | <u>22</u> | | | |
| THEFT | | | | | |
| 0611 | THEFT-\$200 & OVER-POCKET PICKING | 1 | | | |
| 0613 | THEFT-\$200 & OVER-RETAIL THEFT | 1 | | | |
| 0614 | THEFT-\$200 & OVER-FROM AUTO (EXCPT 0615) | 2 | | | |

July 31, 2020

Calls for Service - by Keyword

RADNOR TOWNSHIP

Incidents Reported Between 07/01/2020 and 07/31/2020



| Code | Description | Primary Count | Secondary UCR Count | | |
|--------------------|-------------------------------------|------------------|---------------------|--------|--------|
| | | | Code 2 | Code 3 | Code 4 |
| THEFT | | | | | |
| 0619 | THEFT-\$200 & OVER-ALL OTHER | 3 | | | |
| 0637 | THEFT - UNDER \$50 - FROM BUILDINGS | 1 | | | |
| 0639 | THEFT-UNDER \$50-ALL OTHER | 1 | | | |
| 0690 | THEFT - REPORTS | 3 | | | |
| | | <u>12</u> | | | |
| TRAF CIT | | | | | |
| CITT | TRAFFIC CITATION | 2 | | | |
| TRAFFIC | | | | | |
| 6612 | TRAFFIC RELATED - SIGNALS-SIGNS OUT | 8 | | | |
| TREDYFFRIN | | | | | |
| 9045 | ASSIST TREDYFFRIN PD | 1 | | | |
| VILLANOVA | | | | | |
| 4651 | REFERRED TO VILLANOVA PD | 3 | | | |
| VUPD | | | | | |
| 9049 | ASSIST VUPD | 1 | | | |
| | | <u>1,024</u> | | | |
| Total Calls | | 1,024 | | | |



AUGUST

| <u>Description</u> | <u>Primary Count</u> |
|---|----------------------|
| <u>Parking Tickets</u> | |
| Month of July 2020 | 49 |
| January – July | 3,103 |
| <u>Residential and Commercial False Alarm Violations</u> | |
| Month of July 2020 | 51 |
| January – July | 322 |
| <u>Moving Violations</u> | |
| Month of July 2020 | 274 |
| January – July | 2,130 |
| <u>Radnor Police Training – July 2020</u> | |
| No training for the month of July | |

Crime Alerts

July
2020

The Agnes Irwin School, 275 S. Ithan Av., reports the theft of two signs. The signs were removed sometime between 1900 hours on Wednesday, 7/2/2020 and the morning of 7/3/2020. The signs read "Field Closed" and are valued at approximately \$350.00 each. If anyone may have seen anything, they are asked to call the Radnor Police at 911.

On Tuesday, 7/7/2020, at approximately 12:00 pm a resident from the 500 block of Highland Av. reports the theft of several tools from their work truck. The truck had its passenger side window smashed out. Several tools and two ladders were reported stolen. If anyone may have seen anything they are asked to call the Radnor Police at 911.

The management of 1030 E. Lancaster have reported the theft of several fence posts. The posts were taken down on Monday 7/6/2020 and left in the work area. They were discovered missing on Tuesday, 7/7/2020. If anyone may have seen anything in regards to this theft, they are asked to call the Radnor Police at 911.

On Sunday, 7/12/2020, at approximately 3:00 pm the victim had their cell phone go missing at Skunk Hollow Park. The phone is valued at approximately \$600.00, and no one was seen in the area at the time of the theft.

On Sunday, 7/19/2020, sometime between 9:15 AM and 11:15 AM, a vehicle was vandalized in the parking lot of 275 Bryn Mawr Av. The vehicle had scratches on the passenger side of its hood that appear to have been caused by someone dragging an unknown item across of it. If anyone may have seen anything during this time, they are asked to call the Radnor Police at 911.

On Friday, 7/17/2020, the victim had their wallet stolen while they shopped at the Wawa located at 201 Bryn Mawr Av. The victim became aware of the theft when they were advised by their credit card company of several fraudulent credit card purchases that were made in the Bryn Mawr area. If anyone may have any information regarding this theft or may have been the victim of a similar crime, they are asked to call the Radnor Police at 911.

The Radnor Township Police Department has issued a crime alert in regards to a theft that was reported on July 26th which had occurred in a store at 550 E Lancaster Ave. The victim reported the doors her wallet had been stolen while she was shopping. Please call 9-1-1 with any information about this incident or when reporting any suspicious activities.

The Radnor Township Police Department has issued a crime alert in regards to a theft that was reported on July 27th which had occurred in the 400 block of Inveraray. The victim reported numerous items had been taken from a construction trailer sometime between July 24th and the time of report. Please call 9-1-1 with any information about this incident or when reporting any suspicious activities.

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.

RADNOR TOWNSHIP POLICE DEPARTMENT

THANK YOU LETTERS



The family of
Thomas Silenzi
gratefully acknowledges your
very kind expression of sympathy

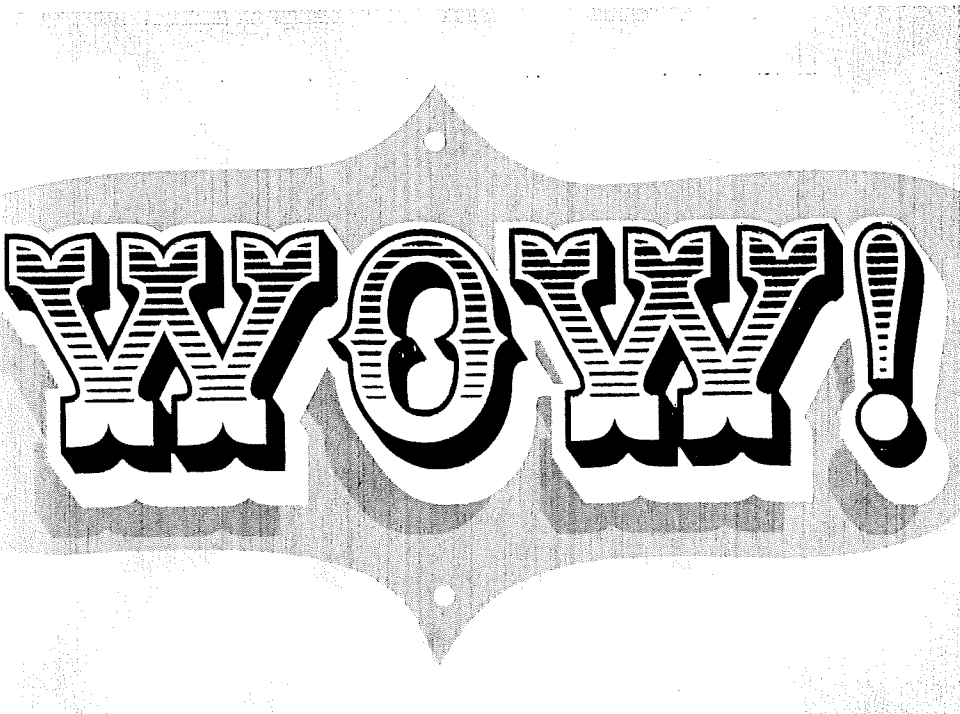
7-14-20

Chief Filanaga

I wanted to take this opportunity to express my gratitude to you for taking time to honor Tom. He was extremely fond of you and his time spent with the RCPD and CERT!! I will remember with fondness his "sweet sauce" and smile!!

My family and me sincerely appreciate your kindness.

Dusan Filanaga



Expressions
FROM
Hallmark

LPH 1061A
© HALLMARK LICENSING, LLC
HALLMARK MARKETING COMPANY, LLC
MADE IN U.S.A.
Hallmark.com

Hallmark Cares
Visit Hallmark.com/ourplanet
THIS CARD IS MADE WITH PAPER FROM
WELL-MANAGED FORESTS.

Dear Radnor Police Department -

Thank you for all you do
each and every day. Hoping this
donation to be put to use for
program or service or equipment
that needs a little help.
With thanks, Lynn _____

RADNOR TOWNSHIP POLICE DEPARTMENT
COMMUNITY EVENTS



Delaware County
911 Center

July 9, 2020
10 A.M. – Noon

Co-conveners

Paul A. Bennett
Publisher
SPIRIT Media Group

David J. White
President
DWD Mechanical, Inc.

Leonard R. Carroll
President
Law Enforcement Chaplains of Delaware County

Welcome

and Thank You for Being Here

Tim Boyce, *Director, Delaware County Emergency Services Center*
Chief Francis Priscopo, *Trainer Police Department*
Chief Michael Ireby, *Upland Police Department*
Chief Martin J. Wusinich, *Media Police Department*
Chief Kenneth Felker, *Collingdale Police Department*
Chief Anthony Paparo, *Yeadon Police Department*
Superintendent Chris Flanagan, *Radnor Police Department*
Chief Matt Kurten, *Brookhaven Police Department*
Chief John M. Egan, *Parkside Police Department*
Chief Tim Rockenbaugh, *Clifton Heights Police Department*
Chief John Ireland, *Marcus Hook Police Department*
Chief Richard Herron, Jr., *Sharon Hill Police Department*
Chief David Madonna, *Prospect Park Police Department*
Chief David Splain, *Nether Providence Police Department*
Chief James Nolan, *Criminal Investigation Division*
Sen. Tom Killion, *R - Ninth Senatorial District*
Darrell Jones, *President NAACP - Chester*
Shelia Carter, *President NAACP - Darby*
Varma Mitchell, *President NAACP - Media*
Richard Womack, *Community Leader, Darby Township*
Jerry Saunders, Jr., *Sheriff, Delaware County*
James E. Turner, *President, Dunamis Marketing*
Ashley Caldwell, *Reporter, SPIRIT Media Group*
Loretta Rodgers, *Reporter, SPIRIT Media Group*
Jeanne Bennett, *General Manager, SPIRIT Media Group*
Rosalyn Carroll, *Administrator, SPIRIT Media Group*
Kendra Van De Water, *Co-Founder,*
Youth Empowerment for Advancement Hangout
James Aye, *Co-Founder,*
Youth Empowerment for Advancement Hangout

Special thanks to **Meg Grant** and **Keystone First** for their support and **Kendra Van de Water**, LSW, for her assistance.

patrolman in 1993. Over the years, he

moved up through the ranks and held

the positions of shift corporal, detective,

"I was shocked to learn of Darren's death," Continued on Page 3

ranks of the Wilmington Police Department, ultimately becoming a captain.

During his career, he led several divisions including human resources; organized crime and vice; uniformed services; the Office of Professional Standards; and special operations.

Kurten also served as a 12-year member of the department's SWAT team, including commander; and most recently as a crisis and negotiation team commander.

Borough Council President Terry Heller said he wishes Kurten well and thanked him for his service. Heller Continued on Page 3

"I appreciate your unwavering support and your affording me the pleasure of serving the citizens of Brookhaven, in such an esteemed capacity," wrote Kurten. "I wish the borough and the citizens of Brookhaven nothing but the best in the future. As for the police department, professionalism should be a high standard and the norm, not the exception."

Kurten was hired in June 2019 and succeeded Chief Randy McGoldrick, who retired. At the time of his appointment, Kurten had 22 years of law enforcement experience, which included working his way through the

Summit sets stage for real change in police-community relations

By Ashley Caldwell
acaldwell@myspiritnews.com

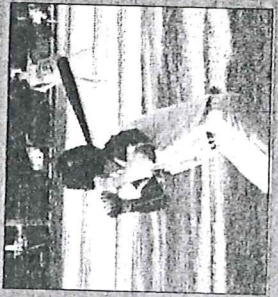
While dozens of cities, towns, boroughs and villages across the nation have seen vehement protests against their police departments in recent weeks for sins past and present, Delaware County, with the exception of a few peaceful protests and one riot-level activity in Upper Darby that spilled over from Philadelphia,



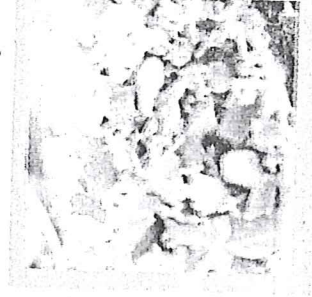
Paul A. Bennett (left), publisher of *The Spirit Media* Group and editor of *The Spirit newspaper*, and Summit co-convenor Dave White (right), flank state Sen. Tom Killion (R-9) during the Summit for Serious Solutions last week at the Delaware County Emergency Services Center in Media.

State Police have quietly worked to improve their operations and police-community relationships, though all attending the Summit for Serious Solutions last week agreed that much more work must be done.

A group of Delaware County police chiefs and leaders representing clergy, state government, unions, business, Continued on Page 5



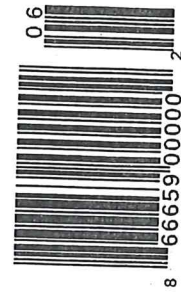
The bats have begun to swing in Delco Page 13



Continued on Page 5

FOLLOW US ON

www.MyspiritNews.com



Welcome to the

Summit for Serious Solutions

Continued from Page 1
 and community organizations gathered last week for a roundtable discussion focusing on concerns and solutions for the future of law enforcement and its relationship with the community.

Paul A. Bennett, publisher of the PIRIT Media Group and editor of the PIRIT newspaper, convened the Summit for Serious Solutions at the Delaware County Emergency Services 911 Center in Media to discuss concerns police and community people have with each other in the wake of local and global protests surrounding abusive police/community relations stemming

Delaware County 911 Center
 10 A.M. - Noon

with David White, Delaware County Director of Emergency Services



Paul Bennett (center), publisher of The SPIRIT Media Group and editor of The Spirit newspaper, hosted the Summit for Serious Solutions last week at the Delaware County Emergency Services Center in Media to discuss police-community relationships and solutions to improve those relationships. Also pictured: Director of Delaware County Emergency Services Tim Boyce (left), and Summit co-convenor Dave White (right).

that need to be solved, concerns that need to be addressed, and by virtue of your presence (here), (it's) sending a message that we want progress in Delaware County," Bennett said.

negative perceptions on both sides.

Bennett's presentation included data from recent national surveys that indicated most cops become callous after taking the job (56 percent), including younger under 35 year-olds (62 percent); that most Black cops (68 percent) call police-community relations "fair to poor"; that 63 percent of cops believe being callous is "more useful in certain neighborhoods" than "being courteous"; and that 72 percent of cops believe that poorly-performing cops are not held accountable.

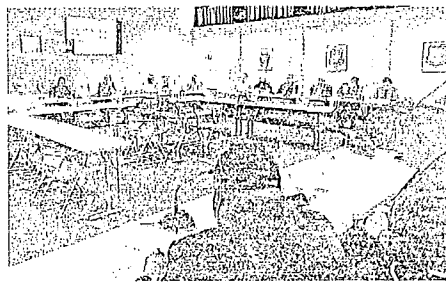
The event, Bennett said, was designed to lay bare such realities and to address them.

Martin Wusinich, a 42-year police veteran and the Media Borough chief, said his department has not had any major incidents for the 35 years he's been the chief. But recently one of his officers got caught up in a social media controversy and

was fired by elected officials with no consultation.

He said the officer's decades-long stellar career came to a crashing end because of one "mistake" he made on social media.

"We're raised by our parents and, whatever pros or cons they have related to, interactions with community people of other races, are deposited in us in various degrees - sometimes for the



Delaware County police chiefs attended the Summit for Serious Solutions last week at the Delaware County Emergency Services 911 Center in Media to discuss concerns and develop solutions for bettering police-community relationships.

He continued, "I think we have to sit down and talk before these things (explode). I don't know, in Delaware County, where, in fact, law enforcement isn't trying to do everything they can to serve the public."

"We all bring cultural biases to the table," said Delaware County Sheriff Jerry Sanders.

better, sometimes for the worse."

Sanders said he has brought cultural biases to his career, but they can be dispelled through interaction with someone else.

"I always have my deputies imagine how they would like to be treated or a loved one would like to be treated," Sanders said.

"The ultimate violation to human dignity is loss of home or loss of household."

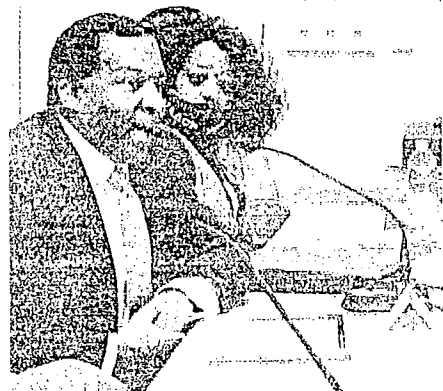
Sanders continued, "The more we talk to each other, personally, the more we see (perceptions) dispelled. Whatever negative thing we can bring to the table can be dispelled by community interaction, as law enforcement."

Sheila Carter, president of the NAACP-Darby Area Branch and former Darby Township police officer, said officers have to be trained and made more aware of what they can and cannot do. She said, while Delco doesn't have a record of police brutality in which a person died, there have been incidents of police brutality among community members.

Carter said communities struggle with relationships with their police departments and chiefs need to "hear from those people."

"You need to go into your communities and know who your leaders are," Carter said. "I'm not talking about your political leaders. I'm talking about the people who live in the community, go to work everyday, your Grammys - those are the people you need to have in the room."

"I think we see people first, here in Delaware County," Sanders said. "But a conversation like today; we should never be comfortable with it. We should always be challenging ourselves because we're all human."



Kim Turner, president of Dunamis Marketing and a member of the Pennsylvania Commission on Crime and Delinquency, said state laws governing police behavior should be considered for changes. Seated next to her is Sheila Carter, NAACP Darby Area Branch president.

from a spate of national police killings of unarmed Black men and women and to develop solutions that would create stronger, more trusting relationships.

Most agreed that the non-existence of honest, fact-based communications between police and community people continues fueling

"We see problems

What the Summit revealed

Dave White, owner of DWD Mechanical Contractor, LLC, and a Summit for Serious Solutions co-convenor, said his main goal for participating was for community and law enforcement to come together and develop strategies for change.

"We're not here to cast blame or take sides, but to work together, learn from what has happened, and make changes tomorrow," White said. "I have the utmost respect for our law enforcement. Both sides are right on this. After today, I don't want to stop the communication. We have to learn to talk with each other."

"We need to also remember that police are human just like us, and they have bad days, too," said Rev. Leonard Carroll, also a co-convenor, pastor of Ezekiel Church of God in Christ and president of the Law Enforcement Chaplains of Delaware County. "How many of you (chiefs) offer (counseling and) debriefings for your officers? This is a spiritual battle and you need spiritual people to help you fight it."

If a police department does not have a clergy member as its chaplain, Carroll said one could be appointed.

State Sen. Tom Killion (R-9) talked about several bills that have become law in Harrisburg that address police behavior and training and that more work around police reform is continuing.

On the controversial topic of "chokeholds," most agreed that the move cutting off air to a person's windpipe is not acceptable and not used in the county.

Talking about a policy change in Media Borough, Chief Martin

Wusininch said, "I had to change one word: chokehold. Our guidance on use of force is already in (our policies). I was never trained in a chokehold. I know their guidelines and use of force don't include chokeholds. I do know they're taught in other areas, (but) I never used one."

Other solutions discussed included continuing communications and discussions addressing issues immediately, before they get blown out of proportion; educating the community about criminal justice and police department policies; more community and cultural training for police to understand the communities they serve; expansion of citizen and youth police academies; hosting joint events, creating community advisory boards for police departments, holding bad police officers accountable and using resources that are under-utilized.

Yeadon Police Chief Anthony Paparo said he already implemented a new policy that allows officers to intervene in police interactions with the public if they feel a fellow officer is using excessive force. It also details how police should handle incidents with people who are delirious, suffering from medical or mental health emergencies, and providing attention to people in need of those services.

"Police chiefs have to start thinking outside the box," Paparo said. "I don't think anybody in this room would have ever thought that they would have had to write a policy to tell an officer to intervene. You have some officers, especially newer officers that are with training officers,



Delaware County Criminal Investigation Division (CID) Chief James Nolan (second from left) said there "needs to be more communication" with police and community members. He said police have many positive stories but "we don't tell them." Also pictured: Darby Township Chief Michael Sousa (far left), Deputy Chief for Folcroft Borough and Vice President of the Delaware County Fraternal Order of Police (FOP) Lodge 27 Christopher Eiserman (right), and PA State Police Lt. James Hennigan (far right).

(that) believe they gotta follow what (the training officer's) doing."

Paparo added, "Officers need to learn that when they see something that is flat out wrong or criminal, they have the duty to intervene."

He said another solution for him is to use social networking platforms to engage with community members and address their concerns. Paparo said he uses Nextdoor, a website "where communities come together to keep a local shopkeeper in business; where neighbors exchange recommendations for babysitters, plans for local events, and tips about what to order at that new café down the street; (and) where local agencies connect with neighbors in need," according to its website.

"It enables us to see people complain about things they might not call the police for, and as a result, it allows my guys to go and immediately handle things they see on the

website," Paparo said. "As a result, it gets these people talking. The community and the police are talking more. It's a game changer for police departments."

PA State Troopers offer two summer programs for kids.

Trooper Lt. James Hennigan said the safety of officers has to be considered when discussing community-police relationships but there are opportunities to engage.

The Troop N and Troop K Camp Cadet programs are for kids between 11 and 15 years-old, are designed to give kids an insight into police training and the overall expectations of a police officer, accepts kids in Delaware, Montgomery, and Bucks counties, and allows children from all backgrounds, gender, religion, nationalities, and financial status to join the program.

Children that can't afford it participate in the program for free.

Hennigan and Community Service Officer Trooper Jessica Tobin said their

programs allow kids to also learn life skills such as washing clothes, cleaning, and self-discipline.

"You're not sending your child to this camp to get well-behaved kids," Tobin said. "We're searching for kids who aspire to become a first responder or who have an interest in what we do. We do ride-alongs, basic rules for firearm safety, and we also give kids the opportunity to get CPR certified."

Unfortunately, due to the coronavirus outbreak, camp was canceled for the 2020 season.

Folcroft Deputy Chief Christopher Eiserman, also a police union leader, said his department has a good relationship with the community and provides many resources to families in need.

"We did a junior police academy some years ago in Folcroft, and also we've bridged that gap between the police and the community," Eiserman said. "(At) Thanksgiving, we give out meals, and

we deliver turkeys t Chester and (to) oth people across the county. (If a neighbc police department) calls and says, 'Hey, have about two fam that's in need,' we'll take care of their w Christmas. We get along very well in o community."

Eiserman added the Fraternal Order Police provides a m trailer to communit that have events and is stocked with colo: books, wristbands, food, and snacks as community giveawa

Wusininch, a 42-y veteran, said every police department in Delaware County conducts events in which they take care of residents in their communities. He said one of his officers recently went over bike safety with neighborhood child.

White said Delco place known for its : relationships betwe communities and p officers.

"Delco has always come out and worke with each other no matter who it is or v the cause," White sa "We can still do that Delco law enforcem is the finest in the country - (there's) i one better to make change than the pec sitting in this room."

"We believe the people in this room all have a platform and a voice," Paul A. Bennett, editor of TI SPIRIT newspaper and Summit conven said. "Together we c work to amplify all our voices and mak a difference where we live. If we comm ourselves and what resources we have to creating equitable experiences, we can make an immediate difference in the live all that matter."

Good Morning,

On Thursday, we were fortunate to see our friend and supporter Alex Mann visit the station. You may recall, Alex began a tour of dozens of police departments discussing the importance of autism awareness and response in the First Responder community. Superintendent Flanagan and I attended a formal training course last year in responding to emergencies involving those with autism.



COVID-19 Pandemic
Thank You Letters

We are sending this letter to
Law Enforcement Agencies in each state. We
hope it gets to all officers in the U.S.A.

Please make copies for your officers.
We can not give enough thanks to you and your
staff for the job that you do for us on a daily
basis. We can only say thank you!

We have sent over 15,000 letters to date 3/29/20

We will continue to send letters across the
U.S.A. until we think most officers have read it.

Our MILITARY and LAW ENFORCEMENT
are equally important to our Great Country

*We also thank you, and all the first responders, in dealing
with this virus. With all of you together we will get
through this. Please stay safe and again I thank you.*

John Giarretta

John & Barbara Giarretta
1125 Washington Ave
Green Brook, N.J. 08812

To All Law Enforcement Agencies Across the USA

Our family wishes to thank you from the bottom of our hearts for your dedication and service.

In spite of all the restrictions put on law enforcement you still put on your uniform and go out every day to every call and put your life on the line to protect our families and communities.

Our society would not survive without your service.

Please stay safe and watch over your Brothers and Sisters.

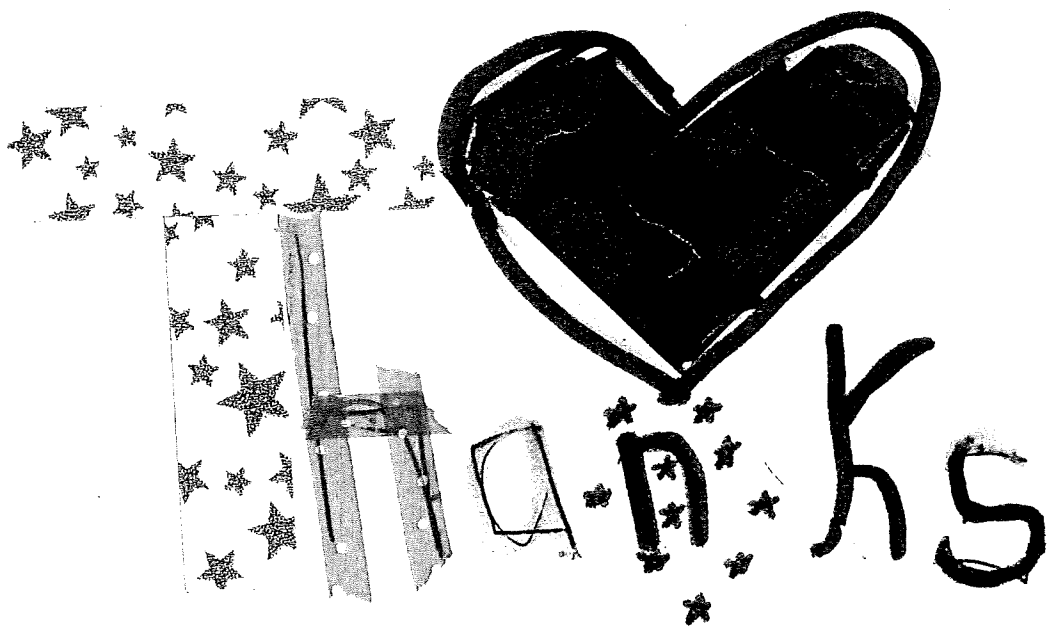
We pray daily for your safety.

God Bless You!

John & Barbara Liorretta

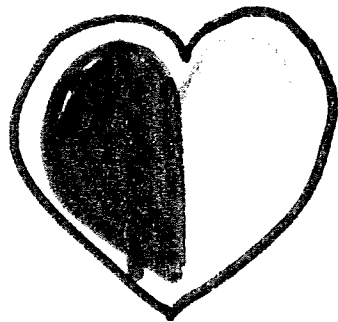
From a Family that cares.





Dear Radnor police,
Thank you for keeping
us safe and protected. We are
so grateful for your service.

Sincerely,



The Baroni
family

April 7, 2020

Dear Radnor Police Department, thank you so much for working during this time. I hope you all are staying safe. I think it is hard to be a police officer in general but especially while covid-19 is spreading. You all protect the whole community and that is super nice. My family is not going outside a lot to prevent the spread of coronavirus. My parents work from home too. I hope you all are having a little fun. Anyway, thanks for doing your job.

Sincerely,
Caroline Morris

Dear Radnor Police Department,

I am writing to say thank you for all your service. I really appreciate your hard work not only during these covid times but all year around. Thank you for keeping us safe.

Sincerely,
Ellis Margolies

~~EM~~

4-7-20

Thank
you
all.

Dear Radnor Police Department,

It's a hard time in the world for all of us, so I just wanted to say thank you to you guys for keeping all of us safe. You're doing great, so keep it up and we will all get through this together.

- Campbell Morris

**To our faithful workers who remain on the frontline during the
COVID19 pandemic:**

On behalf of the Lower Merion Cheerleaders and Booster club, we thank you for all you are doing. While Covid19 remains on the rise, your personnel continue to put their lives on the line while confronting this unknown and aggressive virus. They return shift after shift, to help with the chaos that ensues within our community.

We, as community and spirit representatives, want to acknowledge the intense burden that is this virus, as well as the immense toll it may be taking on you. While the community (and world) praises your dedication, the reality of the situation will not allow your sacrifices to be ignored. It's not nearly enough in the grand scheme of things, but Lower Merion Cheerleaders thank you for all you are doing in this time of crisis.

Be Well,

Lower Merion High School Cheerleading and Boosters



Genuinely our pleasure to share the cookies. We hope everyone enjoys!

Stay safe and thank all of you for your hard work.

Warmly,

Taryn and the girls and parents of Troop 4305

Bill & Chris, just to let you know that all of your efforts at this time are very much appreciated by the Ellis Family! The trash crews are truly wonderful people as well as Radnor Police Dept. Thanks for all that you do for Radnor, Lynn

I want to thank you all for your participation at last night's event at Paoli Hospital. It was very uplifting for the staff of the hospital to see the outpouring of support from all first responders on the front lines.

I want to share prayer from Chaplain Schwartz sent to me yesterday prior to the event.

From Chaplain Jerry Schwartz

Emergency Services

Our Heavenly Father we pray for these your servants, our nurses, doctors, our hospital workers, as well as all of our First Responders and those on the front lines of this battle against this enemy called Co-vid 19.

“This I declare that the Lord is our refuge, our place of safety; For he will rescue us from every trap and protect us from every deadly disease, including Co-vid 19. He will cover us, He will shelter us with His own Personal Protective Armor. We will rely on His faithful promises!

Father, We pray for added strength, wisdom and endurance in these difficult days to continue our calling to serve, protect and to heal all that need our help!

May God Bless you all!

*Jerry Schwartz
CISM Coordinator, Chester County
Former Fire Captain, BCFD
Certified Peer Support Specialist
Senior Chaplain-Emergency Services
Chaplain, Fire Chiefs Assn.
Chaplain, WCFD*



THANK YOU

4-15-2020

To the Radnor Township
Police -

We appreciate all
that you do!

Hope some of these
items help you.

Thanks -

The Krichnaswamys

231 IVEN

19087

Thank
you

you ever need anything, my twitter account is @mgarcia1701
our address is in the envelope.

We're always here for you!

#BlueFamily ✨

Superintendent Flanagan and to all the amazing law
enforcement officers from the Rednor PD:

things from Washington State! We just wanted to
a moment and thank you all for serving
communities and beyond. For risking your
every day, while on uniform and when you're
duty. For all sacrifices made by each of you
your loved ones -

We know you're appreciated and loved!
support you and your brothers and sisters in
from Rednor.

again, thank you for everything you do! Be
Blue, you're in our thoughts & prayers.

rcly,
rgic, Rafael, Nicole & Stephanie

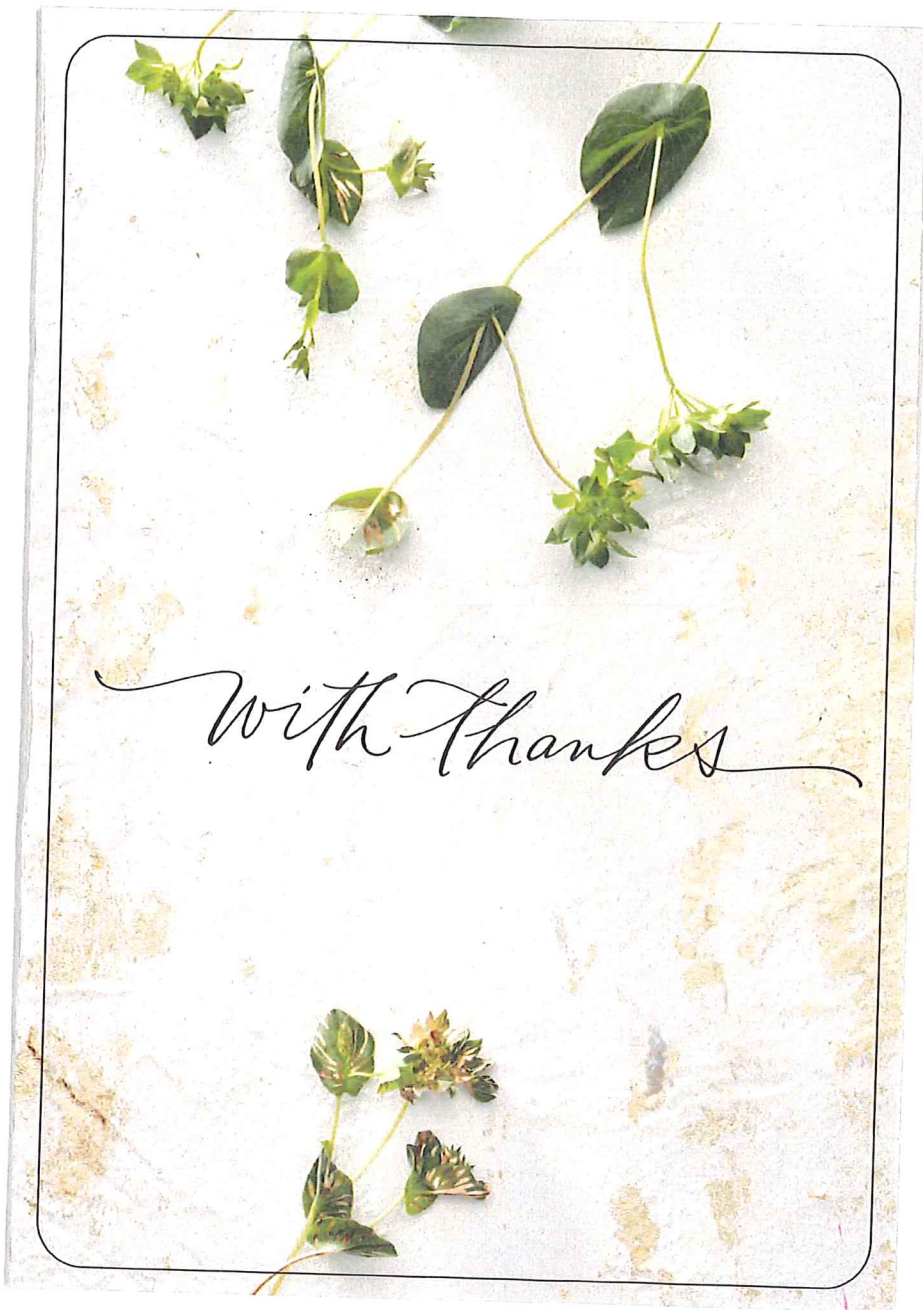
Chris,

I wanted to thank you and your amazing staff for helping out on Saturday. Lucky was really upset about his 9th birthday in quarantine and the arrival of the police cars made his day! He was so excited and could not believe that they would do this for him. Please pass along our very grateful thanks to Saturday's team that came by.

If there is anything we can do to support you and your team please let us know.

Take care,

Janice Garnett

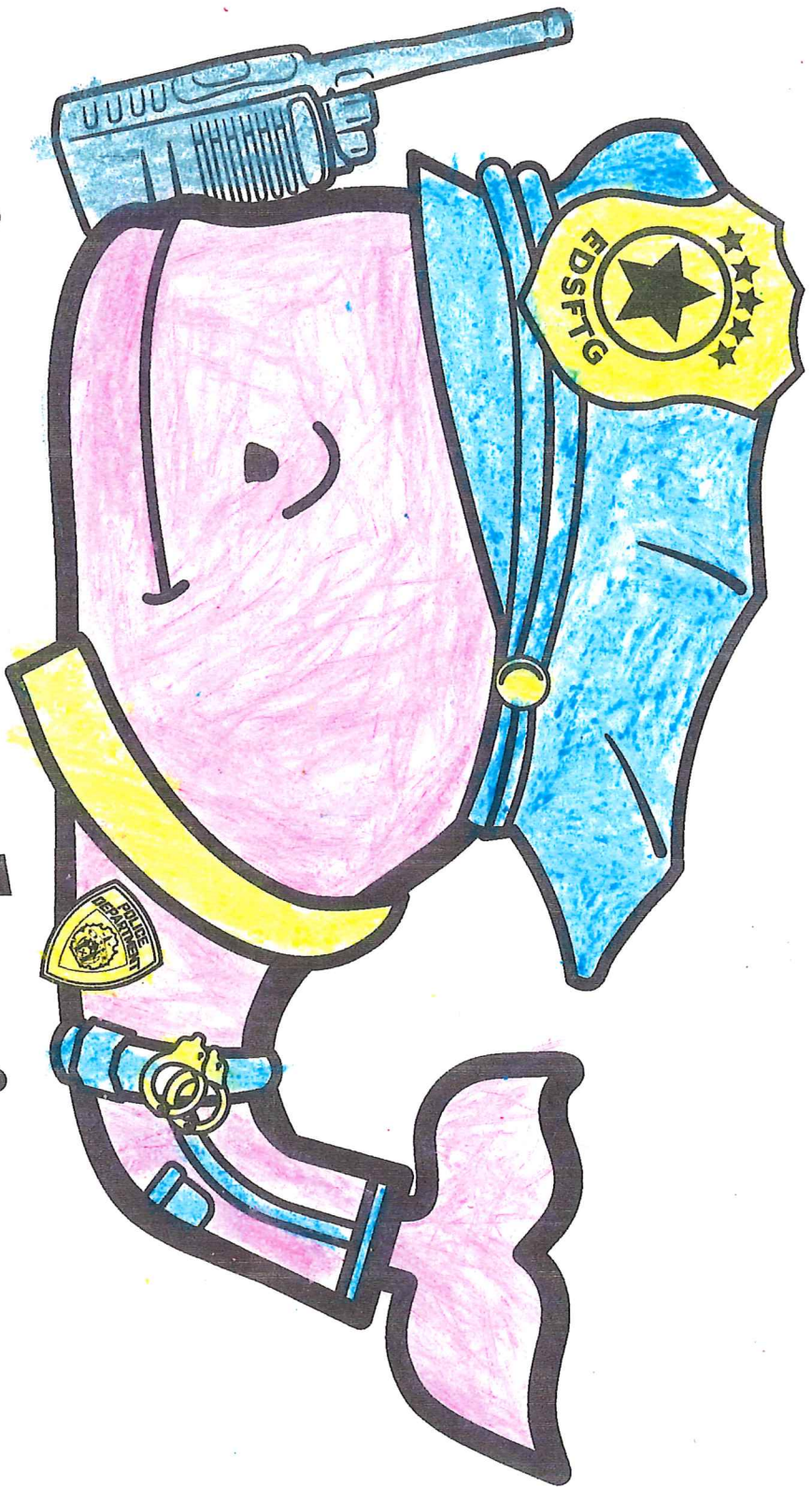


with thanks

A quick note to share
a word of thanks.

Thank you for being on
the front line during a
very difficult + unusual
time. We appreciate
your service to our
Community Jeanne + Jake

Edward Jones



vineyard vines

THANK YOU LAW ENFORCEMENT

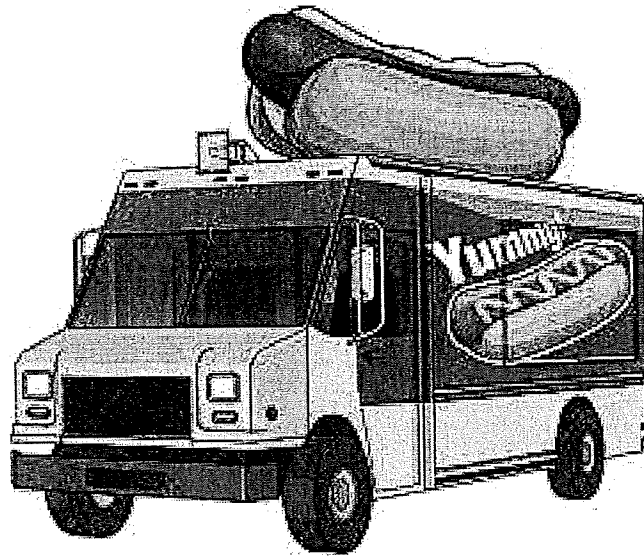
Dear Radnor Police,

Thank you for working to keep Radnor safe!

Thank you for taking the time to escort the
Easter Bunny! Thank you also for reading stories!

Stay healthy!

🌭🌭 Hot Dog Day 🌭🌭



We would like to thank all Bryn Mawr Hospital staff and members of the local First Responders for their service during the pandemic.

There will be a hot dog food truck Tuesday April 14th from 12 noon – 7 pm outside of the H-wing for complimentary hot dogs, sodas and chips.

Sponsored by



AARDVARK
MOBILE TOURS

Larry Borden

Founder & CEO

Hello, Tammy and Police Superintendent Chris Flanagan-

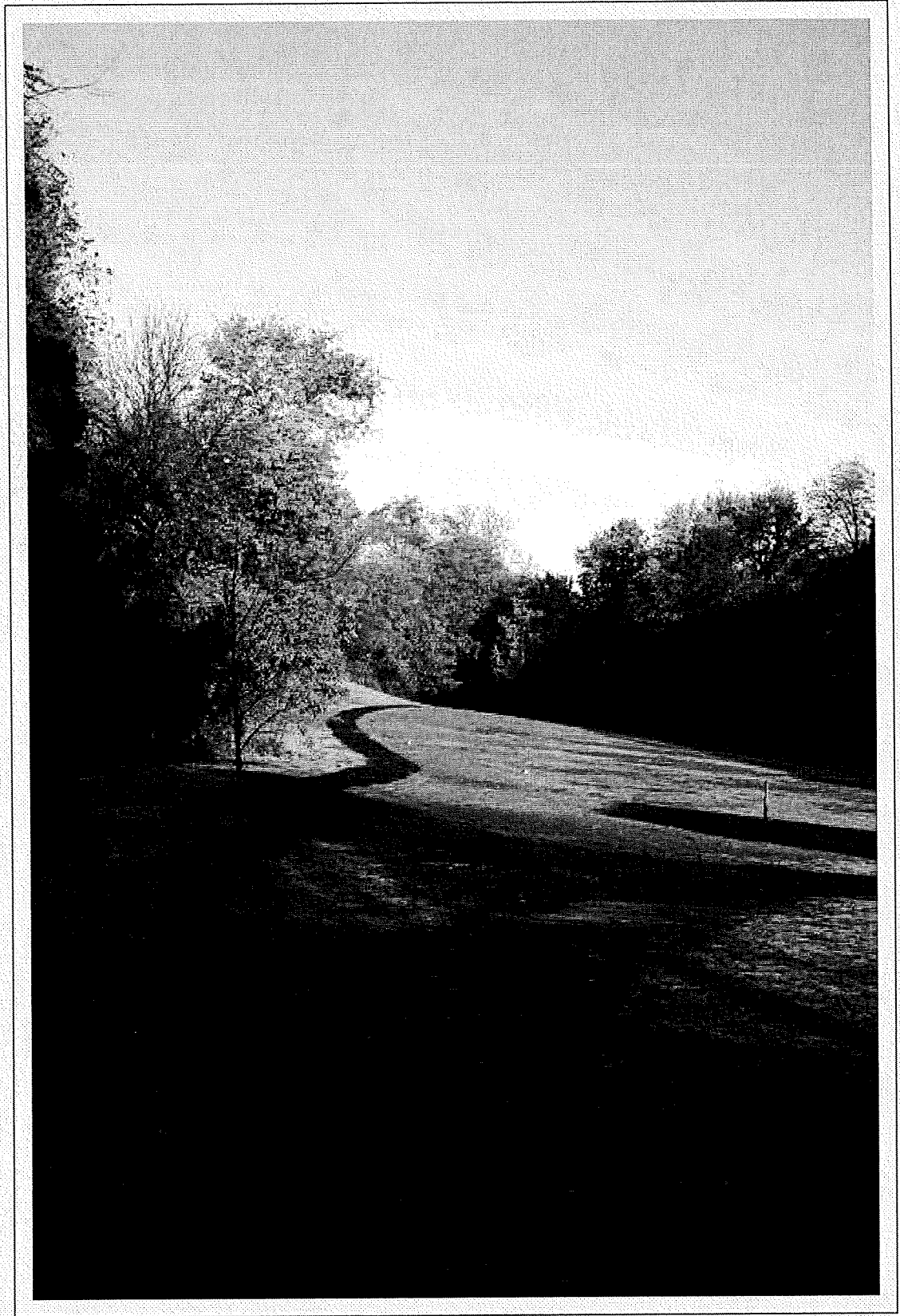
I am so very, glad that the Radnor parks, trails and skate-park have opened since 8 AM, today. I was able to exercise at Radnor Memorial Park earlier, today, before the rain started.

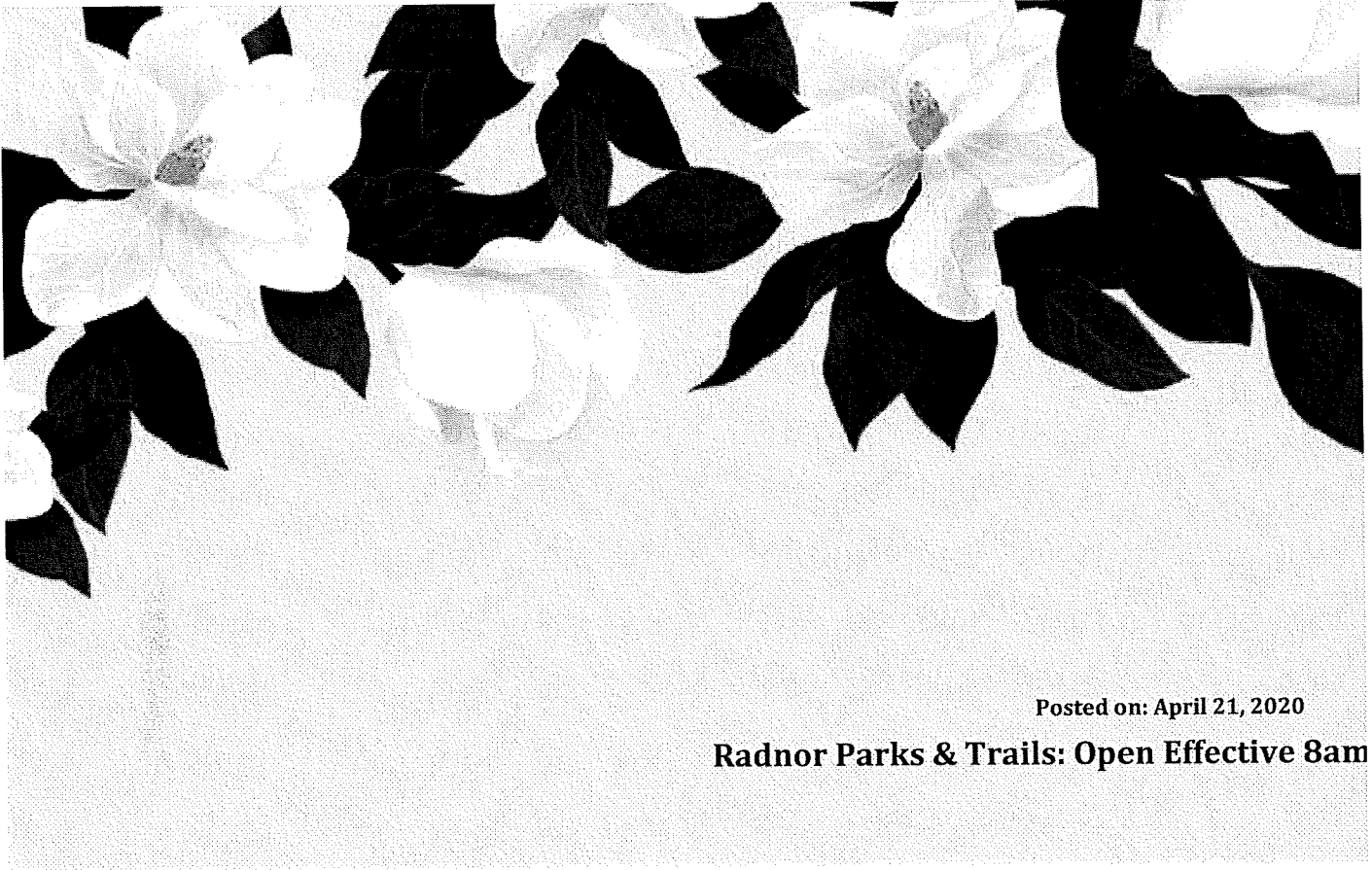
I cannot thank you, both, enough, and, all your, team members in both departments for everything you have done, and, are, still, doing for Radnor Township and nearby townships.

As you can see, I emailed some of my fellow Radnor Residents (forwarded message, below this email), after I received the "Home" email from radnor.com. I copied and pasted what I read for all of them, which is below the lovely image that was copied and pasted, too. BTW- my subject lines to those, whom I, personally, know are, sometimes to often, long, as they, already, know! :)

There is no need for either of you to respond to this email. Please take care, stay safe and well and same goes for your loved ones, too, of course.

With gratitude,
Michele :)
Michele Kelly





Posted on: April 21, 2020

Radnor Parks & Trails: Open Effective 8am

Radnor Township Office of Emergency Management is pleased to announce the reopening Tuesday, April 21, 2020. Township playground equipment, courts, and pavilion facilities will be reopened. As we reopen the parks, trails and skatepark, we rely on our Radnor Township community to practice 6 ft. social distancing and wear face masks/ face coverings while enjoying Township recreational spaces and groups.

We believe the closure of parks and trails was a big step towards mitigating the spread of COVID-19 and the overall compliance of our steadfast community, our positive cases have not increased during the stay at home order and for honoring the closure of Radnor's recreational spaces, please keep Radnor healthy!

- **All Radnor Township Parks & Trails will reopen Tuesday, April 21, 2020.**
- **Do not use the parks or trails if you are exhibiting symptoms.**

- **Guests must maintain a six-foot distance and avoid crowded areas.**
- **Face masks or face coverings are recommended per Governor's orders, attached please find the guidelines: <https://www.chesco.org/4458/Coronavirus-COVID-19-Face-Mask-Guidance>**
- **Buildings, offices, playground equipment, courts, and pavilion remain closed until further notice.**
- **Access to restrooms and water fountains remains closed until further notice.**
- **Department of Recreation offices are closed to the public; however, the staff will be available for inquiries. Please contact the Radnor Township Recreation & Community Programming Department at (610) 883-2000 (ext. 2000) (MK21APR2020) for more information and questions as we are responding to all inquiries.**

ABOUT RADNOR TOWNSHIP The mission of the Radnor Township government is to serve the best interests of all our residents and to enhance the quality of life for the individual and the community. We recognize the dignity of public service and are a responsive organization that continually strives to provide the most efficient and effective level of service for Radnor Township. Facebook: <http://Facebook.com/RadnorTownship/> Follow us on Twitter: <http://twitter.com/radnortownship> Follow us on Instagram: <https://www.instagram.com/radnortownship>



The information in this email, and any attachments, may contain confidential information. Use and further disclosure must be consistent with applicable laws. However, if you believe you've received this email in error, delete it immediately and do not use, disclose or store the information it contains

Chris,

Thank you for recommending us to Margaret Evangelisti, who just donated food for our seniors.
Appreciate you thinking of us!

Hope you are well,
Katie

Katie Mahon
Executive Director
Wayne Senior Center
108 Station Road
Wayne, PA 19087
Phone: 610-688-6246
FAX: 610-688-6621
www.wayneseniorcenter.com

Here are some more notes coming in for staff from Ward 4 residents. Thank you...thank you!

Thank you for all that you do for our Township especially in these unprecedented times. I hope you are taking care of yourselves and staying well. Best, Michele Hunn

I want to thank the township public works team, and the director, Steve, for going above and beyond this week. They are the best! We are unbelievably fortunate to have them.

We love Radnor Township for so many reasons! We always believe everyone associated with Radnor is 'doing the right thing' for our community. Keep up the great work. We appreciate the sacrifice your families must make -- please thank them, they too are appreciated. You are respected and loved --- you all should be proud!

Thank you for your sacrificing and all you do. Sallie Stadlen-Schwartz

To All Radnor Township Staff, Police, and Fire: Thank you for all of your hard work supporting our great community!

Hello Superintendent Christopher,





Thank you for all that you and your team are doing...from lining the streets for health care workers at Bryn Mawr Hospital to the Easter Bunny parade through the township, to taking care of my Mom (Ann Evangelisti at XXXX Wyldhaven Rd) and so many others. By the way she sends a big hello and thanks!!

Wishing you my very best.
Margaret Evangelisti
XXXX Hilaire Road
St Davids PA 19087

Dear K-9 unit,

My name is Reese Dorfman I am nine years old. I live in Wayne. When the corona Virus  hit I started selling salsa homemade salsa I have made \$162 and I decided to give \$81 to the K-9 dogs 

The reason why I wanted to give to the K-9 dogs is because I wanted to do some thing with a dog pound in the first responders

Thank you so much for letting me do this with your dogs I am so happy we have people and dogs to fight crime my dog is kind of like that too every time my dad tries to mess with me my dog Lola barks and jumps on him. Thank you again    

From,

Reese Dorfman

Josh Wetzel of Ardent Credit Union will be providing coffee and donuts here at the Township Building tomorrow around 8:15 a.m. in the Radnorshire Room.



Hon. E. Shaefer and Council and Delaware County EM Staff ,

On behalf of all of Radnor Township and Radnor Emergency Management Team we want to thank you for the personal call and assessment of our needs. We are working very hard locally and we know you are at a County level as well. Radnor stays in close contact with Haverford Twp. and we are ready to help each other as needed. Please keep us informed as this ever changing pandemic situation continues to challenge us all. If you need anything form Radnor Township, please contact us immediately and we will attempt to assist.

Stay Healthy,

Chris Flanagan
Cell 610-636-7043

Thanks so much for your visit yesterday Sgt. Gluck. Attached is Wayne Senior Center's current response and precautions we are taking to protect our older adults. We will be sharing on our social media pages and website shortly.

We will keep you informed as we modify our plans in response to the evolving situation around the virus.

Thanks so much,

Katie

Katie Mahon
Executive Director
Wayne Senior Center
108 Station Road
Wayne, PA 19087
Phone: 610-688-6246
FAX: 610-688-6621
www.wayneseniorcenter.com



Wayne Senior Center

610-688-6246 • fax: 610-688-6621 • info@wayneseniorcenter.org • www.wayneseniorcenter.org • 108 Station Road, Wayne, Pennsylvania 19087

Wayne Senior Center COVID-19 Response Plan

In response to the COVID-19 virus, Wayne Senior Center is taking proactive measures to keep the older adults who visit the Center informed, healthy, and safe. WSC is monitoring the situation as it evolves and is in contact with Radnor Township, as well as Delaware County through the County Office of Services for the Aging (COSA).

The CDC has identified older adults and people who have severe chronic medical conditions like heart, lung, or kidney disease at higher risk for more serious COVID-19 illness. In order to help protect the older adults who utilize Wayne Senior Center programs and services, the following measures have been established in addition to our existing health and safety policies:

- Access to Wayne Senior Center building is restricted to staff and members of Wayne Senior Center, individuals with AARP Tax Prep appointments, and prior authorized individuals. All individuals will enter through the front door and must immediately sanitize hands upon entering the building.
- Increased daily cleaning and sanitation procedures within all areas of the senior center, especially high traffic/high touch areas.
- Hand sanitation and sanitizing wipes located in every room of the center.
- Increased education and signage around center re: proper hygiene and handwashing techniques.
- Temporary removal of shared handheld exercise equipment from the Fitness Center. All large machine exercise equipment must be wiped down with provided sanitizing wipes before and after use of the piece of equipment.
- Postponement of large gatherings (special events) through the end of April.
- Temporarily cease additional rental of senior center facility to outside groups.
- Temporarily cease acceptance of outside community volunteers.
- Increased outreach provided by WSC staff, to identified vulnerable, high risk, older adults within the community.

The health and safety of Wayne Senior Center members is of the utmost concern. We encourage each of our members to follow the recommendations of their doctor and encourage any member who may be experiencing cold or flu like symptoms to stay home.

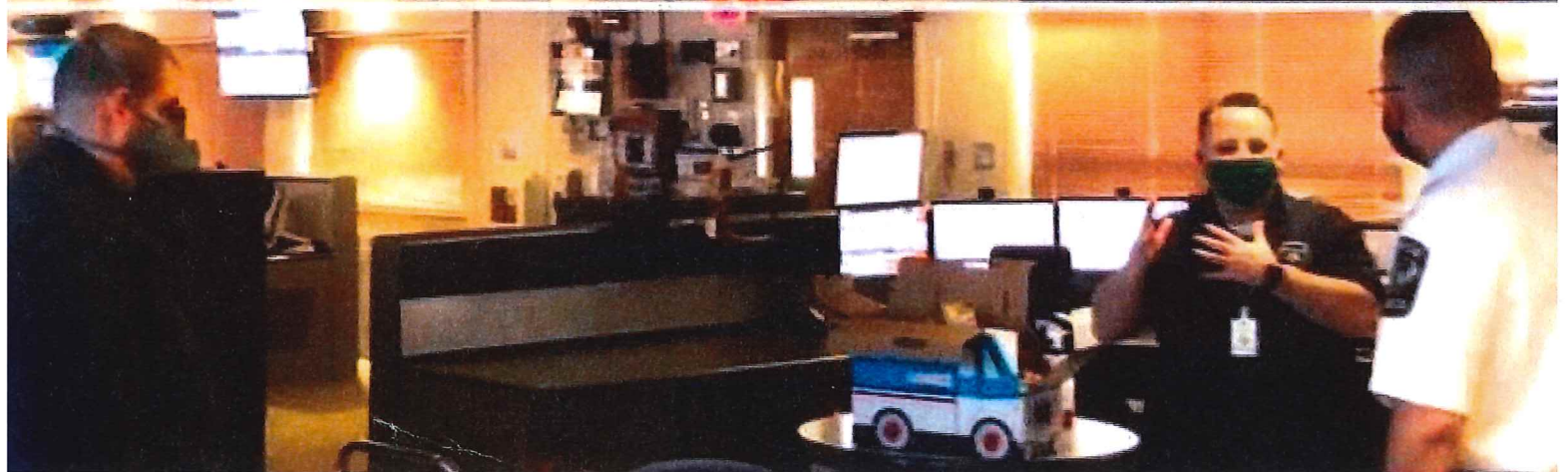
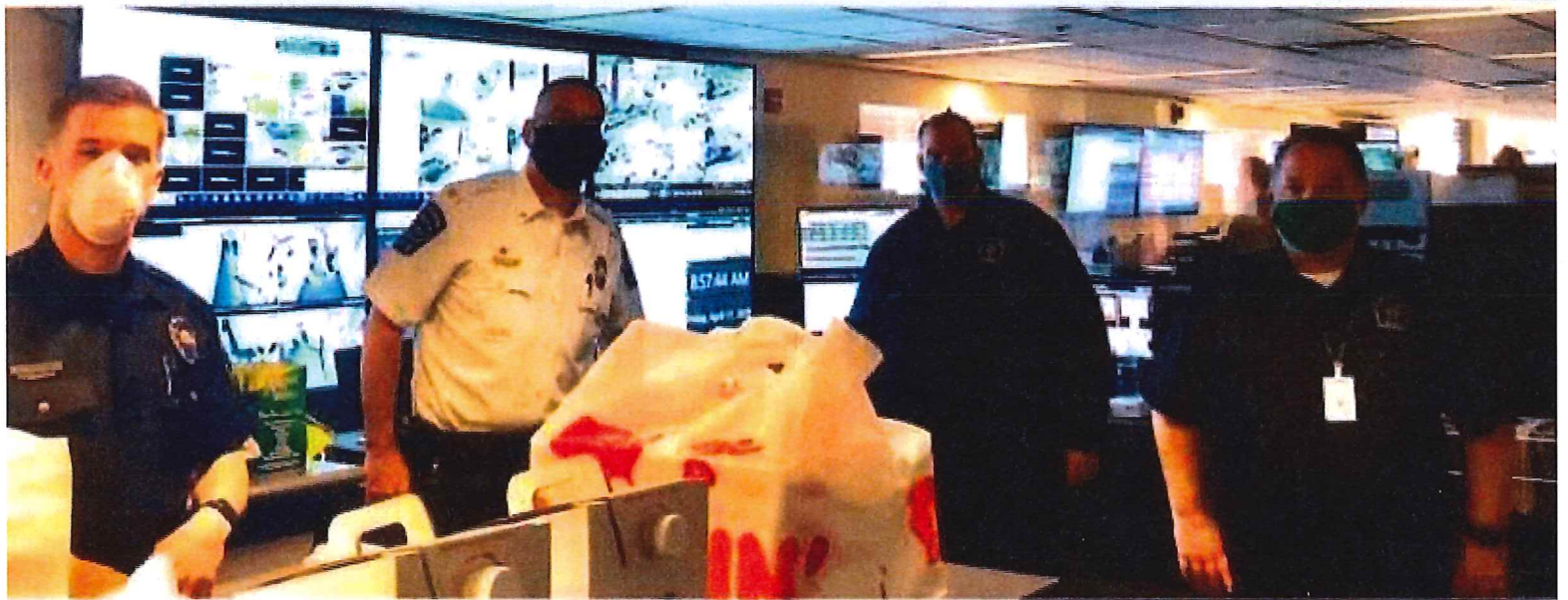
We will provide updates on our response to the COVID-19 virus as it evolves and encourage anyone with questions or concerns to contact our executive director, Katie Mahon at 610-688-6246 or at katie@wayneseniorcenter.org

We thank you for your understanding as we work in an abundance of caution to protect the health and safety of the older adults we serve and our staff.

4/17/20

This morning, Superintendent Flanagan visited the Delaware County Emergency Services Center in Media to recognize the dispatchers and call takers during National Telecommunicators Week. The Department provided coffee and donuts to their crews.

THANK YOU, DISPATCHERS





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; William M. White, Township Manager; Robert Tate, 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, Highway Patrol Unit; William Gallagher, Supervisor of Parking; Amy Kaminski, Traffic Engineer for Gilmore and Associates; Vera DiMaio, Executive Assistant

FR: Christopher B. Flanagan

RE: STAFF TRAFFIC COMMITTEE MEETING HELD IN THE POLICE ROLL CALL ROOM, WEDNESDAY, JULY 15, 2020 AT 10:00 AM.

NEW BUSINESS

1. Mr. Al Murphy, resident of Glenmary Road – Concerns of trailers and other large box and container trucks continuing to cut through the neighborhoods using Glenmary Road

Mr. Al Murphy spoke regarding his concerns regarding this matter. Commissioner Booker stated that these trucks passing through were not believed to be local truck deliveries. Highway Patrol Officer Pat Lacey stated that part of the issue is that there are not any signs going eastbound alerting truck drivers that it is not permitted. Staff Traffic Committee will place more “No truck except local deliveries” signs going eastbound. Staff Traffic Committee states if we can possibly obtain the truck numbers in violation, we can call the corresponding companies. Highway Patrol will conduct more enforcement at this location.

OLD BUSINESS

1. Bill Heran requests an update on the County Line Road Corridor

Bill Heran spoke regarding his concerns of safety for pedestrians waiting for the bus. It was clarified that the bus he was referring to was a Septa bus. Chief Flanagan discussed the County Line corridor study that the Township performed to make it safe for pedestrians and vehicles. Staff Traffic Committee will contact Septa directly to conduct a site visit and review the safety concern.

See attached spreadsheet for pending issues



RADNOR TOWNSHIP POLICE DEPARTMENT

301 Iven Ave., Wayne, PA 19087

July 2020 Staff Traffic Status Report

| Project Name | Project Information | Status Update |
|--|---|--|
| Radnor Fire Company | Radnor Fire Company requests evaluation of traffic and parking on South Wayne Avenue Approved first quarter | The project has been awarded; currently we are waiting on delivery of the necessary equipment and final PennDot permitting. |
| County Line Corridor Study (from Lancaster Avenue to Conestoga Road) | The County Line Corridor Study has been posted online. | The traffic signal for Montrose and County Line has been funded by Lower Merion and Radnor Township. The signal permit has been submitted to PennDot for review. Receipt of sealed bids are anticipated in Fall of 2020. |
| 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 | This project is currently in design, and it is anticipated that the project will go to bid in late 2020. |
| | | |

RESOLUTION NO. 2020-81

**A RESOLUTION OF RADNOR TOWNSHIP,
DELAWARE COUNTY, PENNSYLVANIA,
AUTHORIZING AND DIRECTING THE SUBMITTAL OF THE APPLICATION
FOR TRAFFIC SIGNAL APPROVAL (TE-160) TO THE
PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
FOR THE INTERSECTION OF KING OF PRUSSIA ROAD (SR 1021) AND
EAGLE ROAD (SR 1042)/PINE TREE ROAD ASSOCIATED WITH THE
TRAFFIC, PEDESTRIAN AND STORMWATER MANAGEMENT IMPROVEMENTS**

WHEREAS, Radnor Township wishes to construct traffic, pedestrian and stormwater management improvements at the intersection of King of Prussia Road (SR 1021) and Eagle Road (SR1042)/Pine Tree Road;

WHEREAS, these improvements include the traffic signal; and

WHEREAS, the signal requires an application for Traffic Signal Approval (TE-160) to the Pennsylvania Department of Transportation.

NOW, THEREFORE, be it **RESOLVED** by the Board of Commissioners of Radnor Township does hereby Authorize and Direct the Submittal of the Application for Traffic Signal Approval (TE-160) to the Pennsylvania Department of Transportation for the intersection of King of Prussia Road (SR 1021) and Eagle Road (SR 1042)/Pine Tree Road Associated with the Traffic, Pedestrian and Stormwater Management Improvements.

SO RESOLVED this 10th day of August, A.D., 2020

RADNOR TOWNSHIP

By: _____

Name: Jack Larkin

Title: President

ATTEST:

William M. White
Manager/Secretary

Radnor Township
PROPOSED LEGISLATION

DATE: August 4, 2020
TO: Radnor Township Board of Commissioners
FROM: Dennis P. Capella, Engineering Project Manager
CC: William M. White, Township Manager
Stephen F. Norcini, P.E., Township Engineer

LEGISLATION: Resolution #2020-81: Authorizing and Directing the Submittal of the Application for Traffic Signal Approval (TE-160) to the Pennsylvania Department of Transportation for the Intersection of King of Prussia Road (SR 1021) and Eagle Road (SR 1042)/Pine Tree Road Associated with the Traffic, Pedestrian and Stormwater Management Improvements

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

PURPOSE AND EXPLANATION: The Board of Commissioners, in association with Cabrini and Eastern universities, authorized the award of the civil engineering services contract for the traffic, pedestrian and stormwater management improvements at the intersection of King of Prussia Road and Eagle Road/Pine Tree Road on May 18, 2020 (Resolution No. 2020-57). The improvements include those to the traffic signal at that intersection. The Township owns all signals within its political boundaries, although this signal is within a Pennsylvania Department of Transportation (PennDOT) right-of-way and requires an application to PennDOT for Traffic Signal Approval (TE-160, application attached) to assure proper maintenance. The application requires a resolution by the Board.

IMPLEMENTATION SCHEDULE: Upon approval by the Board of Commissioners, the TE-160 application will be submitted to PennDOT.

FISCAL IMPACT: This project is to be funded by the General Obligation Bond.

RECOMMENDED ACTION: *Staff requests the Board of Commissioners of Radnor Township to Authorize and Direct the Submittal of the Application for Traffic Signal Approval (TE-160) to the Pennsylvania Department of Transportation for the Intersection of King of Prussia Road (SR 1021) and Eagle Road (SR 1042)/Pine Tree Road Associated with the Traffic, Pedestrian and Stormwater Management Improvements.*

Application for Traffic Signal Approval

Please Type or Print all information in Blue or Black Ink



County : _____
Engineering District : _____
Department Tracking # : _____
Initial Submission Date : _____

A - Applicant's (Municipal) Contact Information

Municipal Contact's Name : Stephen F. Norcini, P.E. Title : Township Engineer
Municipal Name : Radnor Township
Municipal Address : 301 Iven Avenue, Wayne, PA 19087
Municipal Phone Number : 610-688-5600 Alternative Phone Number : _____
E-mail Address : snorcini@radnor.org
Municipal Hours of Operation : 8:00 am to 4:00 pm

B - Application Description

Location (*intersection*) : King of Prussia Road (SR 1021) and Eagle Road (SR 1042)/Pine Tree Road

Traffic Control Device is : NEW Traffic Signal EXISTING Traffic Signal (Permit Number) : 63-0173

Type of Device (*select one*) Traffic Control Signal (MUTCD Section 4D, 4E, 4G) Flashing Beacon (MUTCD Section 4L) School Warning System (MUTCD Section 7B)
 Other : _____

Is Traffic Signal part of a system? : YES NO System Number (*if applicable*) : N/A

If YES, provide locations of all signalized intersections in system.

Explain the proposed improvements :

Full signal modernization including video and radar detection; Add northbound left turn lane; Add southbound left turn lane; Add eastbound right turn lane; Retime.

Associated with Highway Occupancy Permit (HOP)? : YES NO If YES, HOP Application # : 217405

C - Maintenance and Operation Information

Maintenance and Operations are typically performed by? :

Municipal Personnel Municipal Contractor Municipal Personnel & Contractor
 Other : _____

Maintenance and Operations Contact Name : Stephanie Higgins McGough Company/Organization : Charles A. Higgins & Sons

Phone # : 610-556-3700 Alternative Phone # : _____ E-mail : higginselec25@verizon.net

D - Attachments Listing

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Municipal Resolution (<i>required</i>) | <input type="checkbox"/> Location Map | <input type="checkbox"/> Traffic Volumes / Pedestrian Volumes |
| <input type="checkbox"/> Letter of Financial Commitment | <input type="checkbox"/> Photographs | <input type="checkbox"/> Turn Lane Analysis |
| <input type="checkbox"/> Traffic Signal Permit | <input type="checkbox"/> Straight Line Diagram | <input type="checkbox"/> Turn Restriction Studies |
| <input type="checkbox"/> Warrant Analysis | <input type="checkbox"/> Capacity Analysis | <input type="checkbox"/> Other : _____ |
| <input type="checkbox"/> Crash Analysis | <input type="checkbox"/> Traffic Impact Study (TIS) | |
| <input type="checkbox"/> Traffic Signal Study | <input type="checkbox"/> Condition Diagram | |

Application for Traffic Signal Approval

Please Type or Print all information in Blue or Black Ink



County : _____
 Engineering District : _____
 Department Tracking # : _____
 Initial Submission Date : _____

E - Applicant (Municipal) Certification

The applicant desires to own, operate, and maintain the traffic control device in the location indicated above; and the Vehicle Code requires the approval of the Department of Transportation ("Department") before any traffic signals may be legally erected or modified. A signed Application for Traffic Signal Approval (TE-160) must be submitted in conformance with the instructions provided by the Department, and a Traffic Signal Permit must be issued, before any work can begin.

If the Department approves a traffic signal after a traffic engineering study and engineering judgment indicates the need, the traffic signal shall be installed, owned, operated, and maintained within the parameters indicated in the Vehicle Code and the Department's regulations relating to traffic signs, signals, and markings. The Department may direct appropriate alterations to the design or operation (including, but not limited to, hours of operation) of the traffic signal, or require removal of the traffic signal, if traffic conditions or other considerations necessitate alteration or removal.

All items associated with the traffic control device (geometric features, signs, signals, pavement markings, pedestrian accommodations, and other traffic control device associated items) are the applicant's responsibility. The Traffic Signal Permit will then document all of the items associated with operation of each traffic control device. The applicant, at its sole expense, shall provide the necessary inspection, maintenance, and operation activities in conformance with the Department's Publication 191 or as otherwise agreed to by the Department. The applicant shall perform the preventative and responsive maintenance requirements and recordkeeping in accordance with the exhibits specified below. If the applicant fails to provide the required inspection, maintenance, or operation services within thirty (30) days of receipt of written notice from the Department, the Department shall have the right to perform the required inspection, maintenance, or operation services in the applicant's stead and the applicant shall reimburse the Department for all costs incurred. Federal- and/or state-aid participation may be withheld on all future projects if the applicant fails to demonstrate to the Department the ability to provide all required maintenance and operation services. The applicant certifies that it has funds available and committed for the operation and maintenance of the traffic control device and that it will make available sufficient funds for all required future inspection, maintenance, and operation activities.

The applicant shall indemnify, save harmless and, defend (if requested) the Commonwealth of Pennsylvania, its agents, representatives, and employees from and against any damages recoverable under the Sovereign Immunity Act, 42 Pa. C.S. §§ 8521-8528, up to the limitations on damages under said law, arising out of any personal injury or damage to property which is finally determined by a court to be caused by or result from acts or omissions of the applicant and for which a court has held applicant, its officials, or employees to be liable. This provision shall not be construed to limit the applicant in asserting any rights or defenses. Additionally, the applicant shall include in any contracts into which it enters for maintenance, operation, or inspection of the traffic control device this same obligation to indemnify the Commonwealth and its officers, agents, and employees; and it shall require its contractor(s) to provide public liability insurance coverage, naming the Commonwealth and the applicant as additional insureds for bodily injury, including death and property damage, in the minimum amounts of \$500,000 per person, \$1,000,000 per occurrence, it being the intention of parties to have the contractor fully insure and indemnify the Commonwealth and the applicant.

The applicant shall comply with the study and ordinance requirements of 75 Pa. C.S. § 6109. The applicant submits this application with the intention of being legally bound.

Neither this application nor any Traffic Signal Permit creates any rights or obligations with respect to parties other than the applicant and the Department. Third parties may not rely upon any representations made by either the applicant or the Department in connection with the submission or approval of this application or any work permitted or approved that is related to this application, as regards either payment of funds or performance of any particular item of maintenance precisely as specified.

The applicant agrees to comply with the attached Exhibits:

- Exhibit "A": Preventative and Response Maintenance Requirements (Sheet 3 of 5)
- Exhibit "B": Recordkeeping (Sheet 4 of 5)
- Exhibit "C": Signal Maintenance Organization (Sheet 5 of 5)

Printed Municipal Contact Name : _____ Date : _____
 Signed By : _____ Witness or Attest : _____
 Title of Signatory : _____ Title of Witness or Attester: _____

**Exhibit "A":
Preventative and Response Maintenance
Requirements**



County : _____
 Engineering District : _____
 Department Tracking # : _____
 Initial Submission Date : _____

Preventive Maintenance

The APPLICANT or its contractor will provide preventive maintenance for each individual component of the traffic signal installation covered by this application at intervals not less than those indicated in the Preventive Maintenance Summary, PA DOT Publication 191, current version. This is the recommended level of maintenance to keep the intersection control equipment and signals in mechanically, structurally and aesthetically good condition.

Response Maintenance

The APPLICANT or its contractor will provide response maintenance in accordance with the provisions of the Response Maintenance Schedule. It encompasses the work necessary to restore a traffic signal system to proper and safe operation. Includes Emergency Repair and Final Repair.

FINAL REPAIR:

Repair or replace failed equipment to restore system to proper and safe operation in accordance with permit within a 24-hour period.

EMERGENCY REPAIR:

Use alternative means or mode to temporarily restore system to safe operation within a 24-hour period. Final repair must then be completed within 30 days unless prohibited by weather conditions or availability of equipment.

Response Maintenance Schedule

KNOCKDOWNS

- Support - Mast arm
- Support - Strain pole
- Span wire/tether wire
- Pedestal
- Cabinet
- Signal heads

TYPE OF REPAIR PERMITTED

- Emergency or Final
- Emergency or Final
- Final Only
- Emergency or Final
- Emergency or Final
- Final Only

EQUIPMENT FAILURE

- Lamp burnout (veh. & ped.)
- Local controller
- Master controller
- Detector sensor
 - Loop
 - Magnetometer
 - Sonic
 - Magnetic
 - Pushbutton
- Detector amplifier
- Conflict monitor
- Flasher
- Time clock
- Load switch/relay
- Coordination unit
- Communication interface, mode
- Signal cable
- Traffic Signal Communications
- Traffic Signal Systems

- Final Only
- Emergency or Final
- Emergency or Final
- Emergency or Final
- Emergency or Final
- Emergency or Final
- Emergency or Final
- Emergency or Final
- Emergency or Final
- Final Only
- Final Only
- Emergency or Final
- Final Only
- Emergency or Final
- Emergency or Final
- Final Only
- Final Only
- Final Only

**Exhibit "B":
Recordkeeping**

County : _____
 Engineering District : _____
 Department Tracking # : _____
 Initial Submission Date : _____

Recordkeeping

Accurate and up-to-date recordkeeping is an essential component of a good traffic signal maintenance program. In recognition of this fact, the APPLICANT must prepare, retain, and make available to the COMMONWEALTH, on request, a record of all preventive and response maintenance activities performed on the traffic signal equipment covered by this application.

The APPLICANT shall establish a separate file for each installation and keep its records in the municipal building, signal maintenance shop, or other weather-protected enclosure.

At a minimum, the following records will be kept by the APPLICANT or its contractor for each traffic signal. These forms can be found in Section 10.0, Maintenance Record Forms, PA DOT Publication 191, current version.

FORM 1 - Master Intersection Record

This form, which lists all maintenance functions performed at the intersection, should be updated within one day of the activity but no more than one week later.

FORM 2 - Response Maintenance Record

Each time response maintenance is required at the intersection, this form is to be completed. Once the pertinent information is transferred to the master intersection record, this form is to be placed in the intersection file.

FORM 3 - Preventive Maintenance Record

This form will be used to provide a record of the preventive maintenance activities performed at each intersection. The date, the activities performed, and the signature of the person in charge of the work must be recorded in the form.

This form may be kept at the intersection, if it is adequately protected from the weather. Form 1 must be updated at the central file, however, to reflect the date and activity.

**Exhibit "C":
Signal Maintenance Organization**

County : _____
 Engineering District : _____
 Department Tracking # : _____
 Initial Submission Date : _____

Personnel Classifications

In order to properly maintain the traffic signal equipment covered by this applicant, the APPLICANT agrees to provide, as minimum, the following staff throughout the useful life of equipment. The APPLICANT agrees to abide by all guidance provided in PA DOT Publication 191.

Traffic Engineer - The administrative position which has prime responsibility for the proper operation of traffic signal equipment. The principal function of this position is the supervision and control of subordinate personnel and the planning of their activities to ensure adequate preventive and response maintenance programs.

Minimum Position Requirements

1. A thorough understanding of traffic signal design, installation and maintenance.
2. A working knowledge of the interaction between the following traffic characteristics: Intersection geometry, traffic flow theory, control type (fixed time, actuated, etc.), signal phasing and timing, and interconnection.
3. An ability to supervise subordinate personnel effectively in the assignment of their work.
4. Possession of a college degree in engineering, which includes course work in traffic engineering.
5. Either four years experience in the field of traffic engineering or its equivalent in graduate college work.

Signal Specialist - The individual responsible for the diagnostics and repair of all traffic signal equipment including solid state equipment.

Minimum Position Requirements

1. Extensive training and troubleshooting skills in electronics and software.
2. Ability to repair modules in the shop and to design test equipment needed to diagnose and repair a problem.
3. Ability to make design and modifications to implement or omit special functions.
4. Ability to implement a recordkeeping system to include maintenance activities, inventory control and identification of recurring problems.
5. Ability to perform all tasks required of a signal technician.

Signal Technician - Individual responsible for the operation and maintenance of traffic signals and electromechanical equipment.

Minimum Position Requirements

1. Ability to perform response maintenance on solid state equipment up to the device exchange level.
2. Capability to diagnose a vehicle loop failure and initiate corrective action.
3. Ability to tune detector amplifiers.
4. Ability to follow wiring schematics, check and set timings from plan sheet and check all field connections.
5. Ability to perform preventive maintenance on all equipment and to maintain accurate records of all work perform.

Training

The APPLICANT agrees to secure training in order to upgrade the ability of its present staff to properly perform the required maintenance functions. The APPLICANT agrees to abide by all guidance provided in PA DOT Publication 191.

Budget Requirements

The APPLICANT agrees to provide, in its annual operating budget, dedicated funds which are sufficient to cover the cost of the personnel, training, contractors (if utilized) and specialized maintenance equipment which are required, by virtue of this application. The APPLICANT agrees to abide by all guidance provided in PA DOT Publication 191..

Application Instructions



A - Applicant's (Municipal) Contact Information

Municipal Contact's Name: Provide the municipal contact name that is (or will be responsible) for the traffic signal. Typically this is either the Municipal Manager or Roadmaster.

Title: Provide the title of the municipal contact name.

Municipal Name: Provide the official municipal name.

Municipal Address: Provide the full address of the municipal building.

Municipal Phone Number: Provide the municipal phone number of the municipal contact.

Alternative Phone Number: Provide an alternative phone number of the municipal contact.

E-mail Address: Provide the e-mail address of the municipal contact.

Municipal Hours of Operation: Please provide the municipalities normal operating hours (i.e. Monday-Thursday 9 AM - 2 PM)

B - Application Description

Location (*intersection*): Please provide a detailed location of the device or devices being considered for approval.

Please include any State Route and/or local road names in your description.

Traffic Control Device is: (Please select one of the two following categories)

NEW Traffic Signal: This item should be selected when requesting approval of a traffic signal that is currently not in operation at the device location indicated above.

EXISTING Traffic Signal: This item should be selected when requesting approval to make a modification or update to an existing traffic signal.

(Permit Number): Please provide the traffic signal permit number.

Type of Device (select one): (Please select one of the four following categories)

Traffic Control Signal: As defined in federal Manual on Uniform Traffic Control Devices (MUTCD) Sections 4D, 4E, and 4G. When selecting this category this is the typical red/yellow/green and pedestrian signal indications

Flashing Beacon: As defined in federal Manual on Uniform Traffic Control Devices (MUTCD) Section 4L. When selecting this category, this is typically either the flashing yellow/red signal at an intersection and/or the flashing yellow warning sign.

School Warning System: As defined in federal Manual on Uniform Traffic Control Devices (MUTCD) Section 7B. When selecting this category, this is typically the flashing school warning sign with a 15 mph indication.

Other: When selecting this category, this pertains to all other permitted electrically powered traffic control devices approved by the Department.

Is Traffic Signal part of a system?: Check off the appropriate box, either YES or NO. If YES, please fill in the **System Number (if applicable):** line.

Explain the proposed improvements: Provide a description of the proposed improvements to the intersection. This may be as complex as installing and/or upgrading a traffic signal or as non-complex as placement of a new traffic sign to supplement an existing traffic signal.

Associated with Highway Occupancy Permit (HOP): Check off the appropriate box, either YES or NO. If YES, please fill in the **Application #:** line.

C - Maintenance and Operation Information

Maintenance and Operations are typically performed by?: Please indicate if maintenance and operation will be performed by Municipal Personnel or through Contract Services.

Maintenance and Operations Contact Name: Provide the primary maintenance contact name for the individual that is (or will be responsible) for the maintenance and operation of the traffic signal.

Company/Organization: Provide the name of the company/organization with which the primary maintenance contact is affiliated.

Phone #: Provide the phone number for the primary maintenance contact.

Alternative Phone #: Provide an alternative phone number for the primary maintenance contact or affiliated company/organization.

E-mail: Provide the e-mail address for the primary maintenance contact.

D - Attachments Listing

Check off all documents which will be submitted along with this application. Note that a Municipal Resolution, authorizing the municipal contact to submit and sign the application, is a required document.

A sample Municipal Resolution has been provided on the next page.

E - Applicant (Municipal) Certification

Printed Municipal Contact Name: Please print the name of the municipal contact person signing the application.

Date: Please provide the date on which the application was signed.

Signed By: Please provide the signature of the named municipal contact.

Title of Signatory: Please provide the title of municipal contact.

Witness or Attest: Please provide the signature of the person witnessing or attesting the signature.

Witness or Attester: Please provide the title of the person witnessing or attesting the signature.

RESOLUTION NO. 2020 - 87

**A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY,
PENNSYLVANIA, AUTHORIZING eFORCE COMPLIANCE AND PROSHRED
SECURITY TO CONDUCT AN ELECTRONICS RECYCLING AND
SHREDDING EVENT**

WHEREAS, the Covered Device Recycling Act of 2010, which came into effect January 24, 2013, prohibits Radnor Township from disposing of certain electronics in the municipal waste stream

WHEREAS, the Radnor Township Board of Commissioners wishes to provide the ability for Radnor Township residents to properly dispose of their electronic devices and shred sensitive documents

WHEREAS, eForce Compliance will hold an electronics recycling event including the labor, transportation, collection, recycling, DEP registration, environmental reporting and promotional assistance for the event at a flat rate of \$12,000 for the electronics component, and a rate of \$1,500 to ProShred Security for the proper shredding and secure disposal of paper

NOW, THEREFORE, be it **RESOLVED** the Board of Commissioners of Radnor Township does hereby authorize eForce Compliance and ProShred Security to conduct an Electronics Recycling and Shredding Event, for the aforementioned fees on November 7th, 2020

SO RESOLVED this 10th day of August, A.D., 2020

RADNOR TOWNSHIP

By: _____
Name: Jack Larkin
Title: President

ATTEST: _____
William M. White
Manager/Secretary

Radnor Township
PROPOSED LEGISLATION

DATE: August 10, 2020

TO: Radnor Township Board of Commissioners

CC: William M. White, Township Manager
Leah McVeigh, Public Works Department Administrative Assistant

FROM: Stephen McNelis, Director of Public Works

LEGISLATION: Resolution 2020-87: Authorizing an Electronics Recycling and Shredding Event to be Hosted by Radnor Township

LEGISLATIVE HISTORY: The Board of Commissioners authorized the first event of this type for Radnor Township in 2016. The event was a great success in all years since inception.

PURPOSE AND EXPLANATION: Township administration is requesting to hold an e-waste recycling and shredding event at the Township Building on November 7th, 2020. If approved by the Board of Commissioners, appropriate notification will be sent out to our residents. The event will be open to residents of Radnor Township (not businesses), and proper proof of residency will be required to drop off electronics as listed below. The cost of the service, provided by eForce Compliance will be a flat rate of \$12,000 for the electronics collection/recycling event, and a rate of \$1,500 for the secure/confidential paper shredding service provided by Pro-Shred Security.

IMPLEMENTATION SCHEDULE: If approved, the event will take place on Saturday, November 7th, 2020, 9:00 AM to 12:00 PM.

FISCAL IMPACT: This event will be funded from account 01-40000-44110.

RECOMMENDED ACTION: I respectfully request the Board of Commissioners to authorize eForce Compliance and Pro-Shred Security to conduct an Electronics Recycling and Paper Shredding Event, respectively for the fees listed above, at the Radnor Township Building on November 7th, 2020.

CERTIFICATE OF APPROPRIATENESS

Radnor Township Historical and Architectural Review Board



NAME OF OWNER: LEONARD FRANCIS X II &
OWNER ADDRESS: 420 ST DAVIDS RD
ADDRESS OF PROPERTY: 420 ST DAVIDS RD
APPLICATION NUMBER: HARB-2020-03

Subject to the conditions below the above owner, having complied with the Radnor Township Historical and Architectural Review Board (HARB) process, is hereby granted this permit for the

CONSTRUCT DETACHED 2 CAR GARAGE

at the address specified and may proceed with the building permit process. If not completed within one year of the date hereof, this permit is void and new application must be made. This Approval is subject to the Applicant applying for and receiving all necessary permits and approvals; and complying with all applicable Municipal regulations. Owner specifically gives the building inspector or designated official the right to inspect the work during progress and at completion.

NOTES AND/OR CONDITIONS OF APPROVAL: Approved as submitted.

ISSUED: 08/10/2020

TOWNSHIP OFFICIAL

ACCEPTED BY APPLICANT

CERTIFICATE OF APPROPRIATENESS

Radnor Township Historical and Architectural Review Board



NAME OF OWNER: MILLER, STEPHEN
OWNER ADDRESS: 402 MIDLAND AVE
ADDRESS OF PROPERTY: 402 MIDLAND AVE
APPLICATION NUMBER: HARB-2020-07

Subject to the conditions below the above owner, having complied with the Radnor Township Historical and Architectural Review Board (HARB) process, is hereby granted this permit for the

Remove rear chimney and windows on rear addition for porch

at the address specified and may proceed with the building permit process. If not completed within one year of the date hereof, this permit is void and new application must be made. This Approval is subject to the Applicant applying for and receiving all necessary permits and approvals; and complying with all applicable Municipal regulations. Owner specifically gives the building inspector or designated official the right to inspect the work during progress and at completion.

NOTES AND/OR CONDITIONS OF APPROVAL: Approved as submitted.

ISSUED: 08/10/2020

TOWNSHIP OFFICIAL

ACCEPTED BY APPLICANT

CERTIFICATE OF APPROPRIATENESS

Radnor Township Historical and Architectural Review Board



NAME OF OWNER: MUTSCHLER JEFFREY D &
OWNER ADDRESS: 246 UPLAND WAY
ADDRESS OF PROPERTY: 246 UPLAND WAY
APPLICATION NUMBER: HARB-2020-08

Subject to the conditions below the above owner, having complied with the Radnor Township Historical and Architectural Review Board (HARB) process, is hereby granted this permit for the

2nd floor addition; relocate front entry & expand front porch

at the address specified and may proceed with the building permit process. If not completed within one year of the date hereof, this permit is void and new application must be made. This Approval is subject to the Applicant applying for and receiving all necessary permits and approvals; and complying with all applicable Municipal regulations. Owner specifically gives the building inspector or designated official the right to inspect the work during progress and at completion.

NOTES AND/OR CONDITIONS OF APPROVAL: Approved as submitted.

ISSUED: 08/10/2020

TOWNSHIP OFFICIAL

ACCEPTED BY APPLICANT

**RESOLUTION 2020-79
RADNOR TOWNSHIP**

**A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY,
PENNSYLVANIA. APPROVING THE PROPERTY AND CASUALTY
INSURANCE BINDER FOR COVERAGE BEGINNING AUGUST 1, 2020
THROUGH JULY 31, 2021**

WHEREAS, the Township of Radnor purchases Property, General Liability, Automobile, Police Professional Liability, Public Officials Liability, Employment Practices Liability, Umbrella, and Cyber Liability Insurance coverage annually; and

WHEREAS, the Administration met with our broker, Arthur J. Gallagher Risk Management Services Inc. to review the insurance bids from the market; and

WHEREAS, after reviewing the bids with the broker, the Administration agrees that PMA offers the best rates with the best coverage; and

WHEREAS, in order to continue coverage, the Township Manager has authorized the binder subject to the Board of Commissioner approval at the August 10, 2020 Regular Meeting.

NOW, THEREFORE, it is hereby *RESOLVED* that the Board of Commissioners of Radnor Township hereby authorizes the Township Manager to execute the coverage binder for the Property, General Liability, Automobile, Police Professional Liability, Public Officials Liability, Employment Practices Liability, Umbrella Liability, and Cyber Liability Insurance coverage for the period beginning August 1, 2020 through July 31, 2021 in the amount of \$383,844.

SO RESOLVED, at a duly convened meeting of the Board of Commissioners of Radnor Township conducted on this 10th day of August, A.D., 2020.

RADNOR TOWNSHIP

By: _____
Name: Jack Larkin
Title: President

ATTEST: _____
William M. White
Township Manager / Secretary

Radnor Township



PROPOSED LEGISLATION

DATE: August 4, 2020

TO: Board of Commissioners

FROM: Robert V. Tate, Director of Finance *Robert V. Tate, Jr.*

LEGISLATION: A Resolution authorizing the Township Manager to bind coverage for Property, General Liability, Automobile Liability (including physical damage), Police Professional Liability, Public Official Liability, Employment Practices Liability, Umbrella Liability, and Public Official Bonds for the period beginning August 1, 2020 through July 31, 2021.

LEGISLATIVE HISTORY: This is an annual renewal process whereby the administration works with Arthur J. Gallagher Risk Management Services, Inc. who solicits renewal coverage prices from multiple insurance providers and then reviews the best alternatives with the Township. The resolution is required giving the Township Manager authorization to bind coverage and pay the appropriate premium obligation.

PURPOSE AND EXPLANATION: The purpose of the legislation is to authorize the Township Manager to bind coverage which includes Property, General Liability, Automobile Liability (including physical damage), Police Professional Liability, Public Official Liability, Employment Practices Liability, Umbrella Liability, Public Official Bonds, and Cyber Liability.

FISCAL IMPACT: The insurance coverage will cost the Township \$383,844 which will be paid in quarterly installments at the beginning of each quarter. The increase in coverage cost is primarily a result of several property claims and the addition of new police and public works vehicles. The table below represents the annual renewals from the past five years:

| Program Year | Paid Premiums | Increase / (Decrease) in Premium | %Δ |
|------------------|-------------------|----------------------------------|--------------|
| 2015-2016 | 356,483 | (6,599) | (1.82%) |
| 2016-2017 | 348,903 | (7,580) | (2.13%) |
| 2017-2018 | 346,488 | (2,415) | (0.69%) |
| 2018-2019 | 352,073 | 5,585 | 1.61% |
| 2019-2020 | 367,373 | 15,300 | 4.35% |
| 2020-2021 | \$ 383,844 | \$16,471 | 4.48% |

RECOMMENDED ACTION: The Administration respectfully requests the Board to approve this resolution at the August 10, 2020 meeting. Thank you.

RESOLUTION NO. 2020-83

**A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY,
PENNSYLVANIA, AUTHORIZING THE RECEIPT OF SEALED BIDS FOR THE
CONSTRUCTION OF THE WEST WAYNE AVENUE PEDESTRIAN
IMPROVEMENTS**

WHEREAS, Radnor Township wishes to upgrade the existing pedestrian facilities on West Wayne Avenue, from Conestoga Road to Friends of the Radnor Trail Park.

NOW, THEREFORE, be it *RESOLVED* by the Board of Commissioners of Radnor Township does hereby Authorize the Receipt of Sealed Bids for Construction of the West Wayne Avenue Pedestrian Improvements

SO RESOLVED this 10th day of August, A.D., 2020

RADNOR TOWNSHIP

By: _____
John Larkin
Title: President

ATTEST: _____
William M. White
Manager/Secretary

Radnor Township

PROPOSED LEGISLATION

DATE: August 3, 2020

TO: Radnor Township Board of Commissioners

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

CC: William M. White, Township Manager

LEGISLATION: Resolution #2020-83: Authorizing the Receipt of Sealed Bids for the Construction of the West Wayne Avenue Pedestrian Improvements

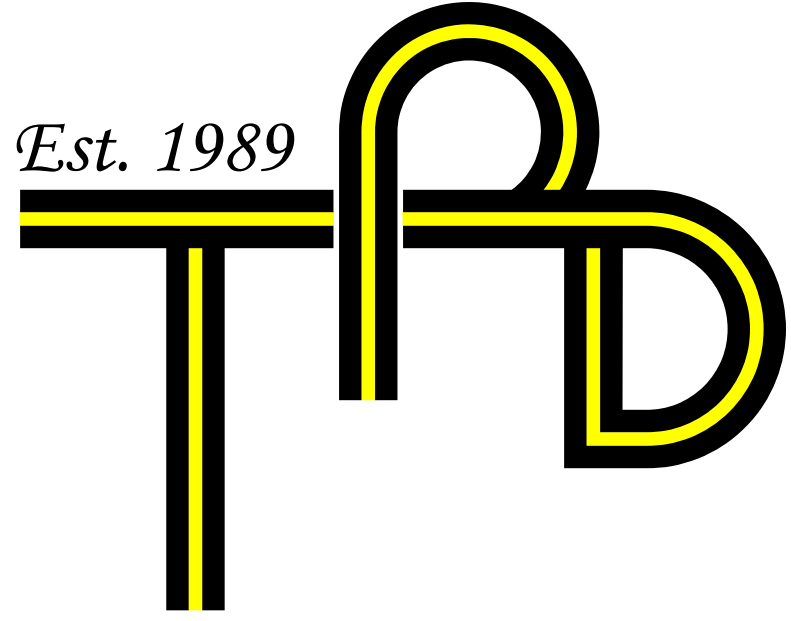
LEGISLATIVE HISTORY: The Board of Commissioners previously awarded the design contract for this project to Traffic Planning & Design (TPD).

PURPOSE AND EXPLANATION: Originally, the Radnor TAP Trail had a leg of the trail that traversed the West Wayne Preserve, from the intersection of Lenoir Avenue and Conestoga Road to the Radnor Trail. In order to remove the section of the TAP Trail that ran through the West Wayne Preserve, an alternate route was brought forth, using West Wayne Avenue from Conestoga Road, through the Friends of the Radnor Trail Park, to the Radnor Trail. In using West Wayne Avenue, the existing sidewalk will have to be upgraded, ADA compliant curb ramps installed, along with crosswalks. The attached plans depict the work to be placed out to bid.

IMPLEMENTATION SCHEDULE: The PennDOT Highway Occupancy Permit is still being reviewed, but we anticipate this will be complete some time in September. Pending Commissioners approval and the PennDOT permitting process, receipt of bids is anticipated in November. At that time, we will be before the Commissioners for award of the project.

FISCAL IMPACT: There is no cost to the Township to receive bids for the project. The project is estimated to cost \$205,000. This cannot be included with the TAP Trail project; it is a standalone project that must be funded by the Township. By the time of award, the Commissioners will need to determine a funding source for the project.

| DISTRICT | COUNTY | TOWNSHIP | BOROUGH | ROUTE | SECTION | TOTAL SHEETS |
|----------|----------|----------|---------|-------|---------|--------------|
| 6-0 | DELAWARE | RADNOR | | | | 10 |



TRAFFIC PLANNING AND DESIGN, INC.

DRAWINGS FOR CONSTRUCTION OF **WEST WAYNE AVENUE PEDESTRIAN IMPROVEMENTS**

TPD JOB # RADT.00005

TOWNSHIP ROAD WEST WAYNE AVENUE

IN DELAWARE COUNTY

FROM STA 103+50.00 TO STA 112+00.00 LENGTH 850 FT 0.1610 MI

AND

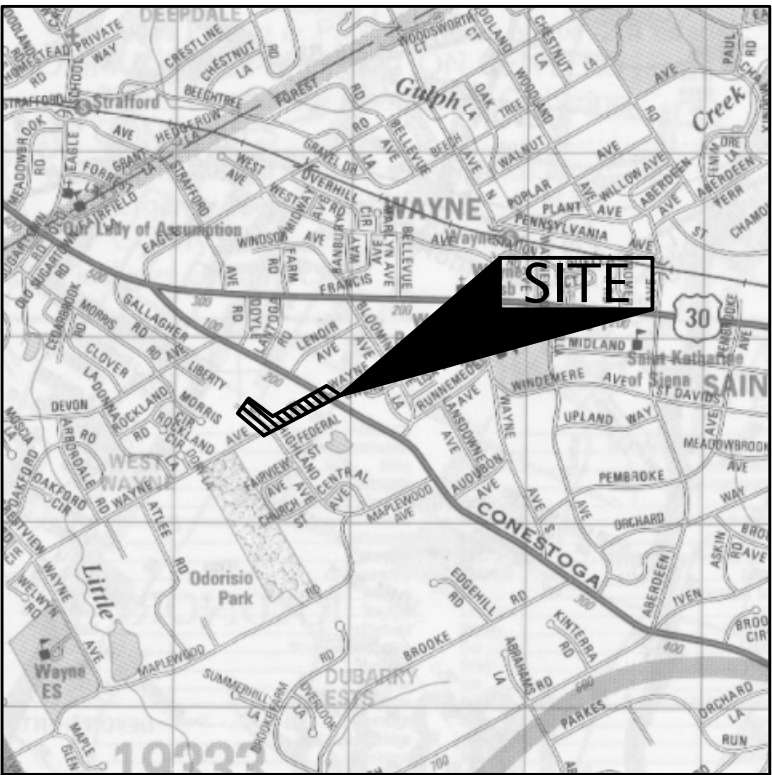
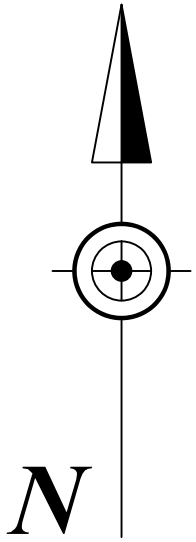
TOWNSHIP ROAD LIBERTY LANE

IN DELAWARE COUNTY

FROM STA 00+00.00 TO STA 01+50.00 LENGTH 150 FT 0.0284 MI

| | | |
|---|--------|-----|
| TITLE SHEET | SHEET | 1 |
| GENERAL NOTES | SHEET | 2 |
| CONSTRUCTION PLANS | SHEETS | 3-4 |
| ELEVATION PLANS | SHEET | 5-6 |
| TYPICAL SECTIONS AND CONSTRUCTION DETAILS | SHEET | 7 |
| PAVEMENT MARKING AND SIGNING PLANS | SHEETS | 8-9 |
| TRAFFIC CONTROL STANDARDS | SHEET | 10 |

ALSO INCLUDED:
 ADA DETAILS PLANS 10 SHEETS
 TRAFFIC SIGNAL PERMIT PLAN 1 SHEET



Copyright ADC The Map People
 Permitted Use No 21009261

LOCATION MAP

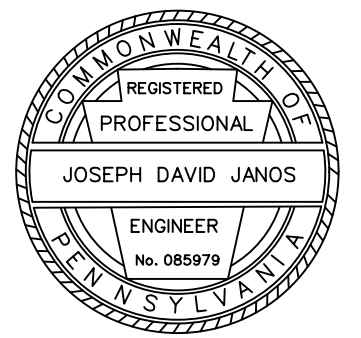
0 2000 4000 FEET

P:\PTC-PW-15-1\pdc\ptc\ptc\proj\act\w\se\Documents\Active\RADT\00005 - Radnor\TPD\Grand\CADD\Plan\Wayne\Plan\Wayne\TPD\00005 Title sheet.dgn
7/29/2020 4:01:35 PM jdy



PENNSYLVANIA ACT 287 (1974) AS AMENDED BY ACT 121 (2008) REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH.
 PA ONE-CALL SERIAL #20202041372 HAS BEEN ASSIGNED TO THIS PROJECT ON 07/22/2020
 * ENTRIES FROM ACT 121 LIST UPDATED BY ENGINEER.

PREPARED BY:
 TRAFFIC PLANNING &
 DESIGN, INC.
 2500 E. HIGH STREET
 SUITE 650
 POTTSTOWN, PA 19464



Signature
 DATE 07/29/2020

| REVISION NUMBER | REVISIONS | DATE | BY |
|-----------------|-----------|------|----|
| | | | |

GENERAL NOTES

1. ALL SEEDING AND SOIL SUPPLEMENT PER PENNDOT PUBLICATION 408.
2. TEMPORARY CONSTRUCTION EASEMENTS ARE REQUIRED ONLY UNTIL THE CONSTRUCTION WORK INDICATED BY THE PLAN IS COMPLETED, UNLESS SOONER RELINQUISHED IN WRITING BY THE TOWNSHIP.
3. THIS PROJECT WILL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS PUBLICATION 408, DATED APRIL 10, 2020, OR AS AMENDED.
4. DO NOT INTERFERE WITH THE OPERATION OF ANY FIRE HYDRANTS, FIRE CALL BOX OR POLICE CALL BOX.
5. ALL CURVE DATA IS BASED ON THE ARC DEFINITION UNLESS OTHERWISE INDICATED.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY COMPANIES AND RELATED FACILITIES LOCATED WITHIN THE LIMITS OF WORK PRIOR TO COMMENCING CONSTRUCTION. IT IS FURTHER THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ACCURATE FIELD LOCATIONS OF ALL UNDERGROUND AND AERIAL UTILITIES FROM THE UTILITY COMPANIES OR BY TEST PITS PRIOR TO BEGINNING WORK.
7. THE LOCATION OF ALL UTILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ALL UTILITY SERVICES WITHIN THE LIMITS OF WORK ARE TO BE LOCATED, THE USER TO BE NOTIFIED, AND MEASURES TAKEN TO PROTECT LINES IN ACCORDANCE WITH PENNSYLVANIA ACT 50. THE CONTRACTOR SHALL CONTACT PA ONE CALL AT 1-800-242-1776 BEFORE EXCAVATION OR DEMOLITION WORK TO HAVE ALL UNDERGROUND UTILITIES MARKED IN THE WORK AREA.
8. ANY SCALED DIMENSION FROM THIS PLAN SHALL NOT BE USED FOR CONSTRUCTION WITHOUT CONFIRMATION BY TRAFFIC PLANNING AND DESIGN, INC., CONSULTING ENGINEERS.
9. ALL PECO AND VERIZON TELEPHONE POLE RELOCATIONS WILL BE ADDRESSED BY THE RESPECTIVE PARTIES.
10. APPLICABILITY OF PAVEMENT SECTION TO BE EVALUATED DURING CONSTRUCTION WITH ADJUSTMENTS COMMENSURATE WITH ACTUAL PAVEMENT SUBGRADE CONDITIONS.
11. EXISTING BASE SURVEY, INCLUDING ROW, BY BURSICH ASSOCIATES, INC.
12. SCHEDULE AND CONDUCT ALL CONSTRUCTION TO MINIMIZE EROSION. PROVIDE AND MAINTAIN APPROVED EROSION AND SEDIMENTATION CONTROL MEASURES UNTIL ALL WORK IS COMPLETED.
13. LANDSCAPED AREAS SHALL BE DRESSED WITH A MINIMUM OF 4 INCHES OF TOPSOIL AND SEEDDED.
14. MATCH SURFACE COLOR OF NEW PAVEMENT TO COLOR OF EXISTING PAVEMENT AS CLOSE AS POSSIBLE.
15. POST-DEVELOPMENT RUNOFF SHALL NOT EXCEED PRE-DEVELOPMENT RUNOFF.
16. THESE PLANS ARE BASED ON INFORMATION AVAILABLE AT THE TIME THEY WERE PREPARED. THE INFORMATION AND DATA UTILIZED AS EXISTING SURVEY IS DERIVED FROM BURSICH ASSOCIATES, INC. ACTUAL FIELD CONDITIONS DETERMINED LATER MAY VARY. THE CONTRACTOR SHALL VERIFY ALL EXISTING INFORMATION FOR ACCURACY WITH THE APPROVED PLANS FOR THIS PROJECT. SOUND JUDGMENT SHOULD BE EXERCISED DURING CONSTRUCTION TO ASSURE THAT THE DESIGN IS COMPATIBLE WITH THE ACTUAL CONDITIONS. TRAFFIC PLANNING AND DESIGN, INC., IS NOT RESPONSIBLE FOR ANY INACCURACIES OR NECESSARY REVISIONS THAT MAY RESULT FROM THE VERIFICATION OF EXISTING CONDITIONS.
17. THE CONTRACTOR SHALL ACCEPT THE RESPONSIBILITY TO NOTIFY ALL PROPERTY OWNERS WITHIN THE LIMITS OF WORK DUE TO PROPOSED ROADWAY IMPROVEMENTS ALONG THEIR PROPERTY FRONTAGE AND WITHIN THE LEGAL RIGHT OF WAY PRIOR TO THE START OF CONSTRUCTION.
18. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ADJUSTMENTS TO THE AFFECTED DRIVEWAYS. A WRITTEN PERMISSION / DRIVEWAY RELEASE FORM MUST BE OBTAINED AND SUBMITTED FROM THE ADJACENT DRIVEWAY OWNERS WITH THEIR NOTARIZED SIGNATURE FOR THE PROPOSED CHANGES THAT EXTEND BEYOND THE LEGAL RIGHT-OF-WAY LINE.
19. MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE FIGURES PATA 101, PATA 102, PATA 107, & PATA 201 IN PENNDOT PUBLICATION 213, "TEMPORARY TRAFFIC CONTROL GUIDELINES", JUNE 2014 OR MOST CURRENT REVISION. MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION MUST ALSO BE IN ACCORDANCE WITH THE PENNSYLVANIA CODE, TITLE 67, TRANSPORTATION, CHAPTER 212, APRIL 2006 OR MOST CURRENT REVISION.
20. CONTRACTOR TO NOTIFY RESIDENTS A MINIMUM OF 24 HOURS PRIOR TO THE CLOSURE OF THEIR DRIVEWAYS. A COPY OF THESE NOTIFICATIONS MUST BE ON FILE WITH PENNDOT PERMITS OFFICE.
21. FURNISH AND INSTALL ALL TRAFFIC SIGNS AND PAVEMENT MARKINGS AS INDICATED.
22. ALL EXISTING PAVEMENT MARKINGS WHICH ARE NO LONGER APPROPRIATE SHALL BE ERADICATED BY THE CONTRACTOR USING AN ERADICATION METHOD APPROVED BY A TOWNSHIP FIELD REPRESENTATIVE. THE CONTRACTOR SHALL PLACE ALL REQUIRED NEW PAVEMENT MARKINGS.
23. ALL PROPOSED PAVEMENT MARKINGS MUST BE HOT THERMOPLASTIC ON BITUMINOUS PAVEMENT, INCLUDING LONG AND SHORT LINES AND PAVEMENT MARKING LEGENDS. ALL PROPOSED PAVEMENT MARKINGS MUST BE EPOXY ON CONCRETE PAVEMENT, INCLUDING LONG AND SHORT LINES AND PAVEMENT MARKING LEGENDS.
24. MATCH BOTTOM OF CURB ELEVATION WHEN TYING INTO EXISTING CURB. IF THE EXISTING REVEAL DIFFERS FROM PROPOSED, TAPER THE TOP OF PROPOSED CURB TO MATCH THE EXISTING REVEAL AT THE LIMITS OF PROPOSED CURBING.
25. THE CONTRACTOR SHALL ENSURE THAT THE SIGHT DISTANCE AT THE DRIVEWAYS SERVICING OTHER PROPERTIES OR AT OTHER INTERSECTIONS IS NOT REDUCED (UNLESS EXISTING AND PROPOSED VALUES EXCEED THE DESIRABLE VALUES SPECIFIED IN THE PENNSYLVANIA CODE, TITLE 67, TRANSPORTATION, CHAPTER 441.8.H.1) AS A RESULT OF THE WORK PERFORMED IN ACCORDANCE WITH THE APPROVED PROJECT PLANS.
26. NO UNSUITABLE MATERIAL IS TO BE USED IN ANY PORTION OF THE ROADWAY CONSTRUCTION. REMOVE ANY SUBGRADE THAT CANNOT BE PROPERLY COMPACTED AND TREAT AS UNSUITABLE MATERIAL. ANY MATERIAL WITH A CBR VALUE OF FIVE (5) OR LESS IS CLASSIFIED AS UNSUITABLE. UNDERCUTTING AND/OR SUBGRADE STABILIZATION MAY BE REQUIRED TO OBTAIN A CBR VALUE GREATER THAN FIVE (5).
27. EITHER MILLING OR AN INTERMEDIATE 19mm BINDER LEVELING COURSE MAY BE REQUIRED TO ACHIEVE PROFILE PRIOR TO WEARING COURSE OVERLAY, AS DIRECTED BY THE TOWNSHIP INSPECTOR.
28. ALL WORK PERFORMED WITHIN THE LEGAL RIGHT-OF-WAY MUST BE IN ACCORDANCE WITH PENNDOT PUBLICATION 72M, "STANDARDS FOR ROADWAY CONSTRUCTION", RC-0M TO 100M, AS AMENDED.
29. THE PERMITTEE'S CONTRACTOR SHALL SAWCUT AND REMOVE SHOULDER MATERIAL AS NECESSARY TO ENSURE THE PAVEMENT REPLACEMENT IS ADJACENT TO THE FULL-DEPTH PAVEMENT OF THE TRAVEL LANE. SAWCUT LOCATIONS MAY BE ADJUSTED IN THE FIELD AS DEEMED NECESSARY BY A TOWNSHIP REPRESENTATIVE
30. ALL UTILITY RELOCATION PERMITS TAKE PRECEDENCE OVER THE UTILITY RELOCATION POSITIONS SHOWN ON THE APPROVED PROJECT PLANS.

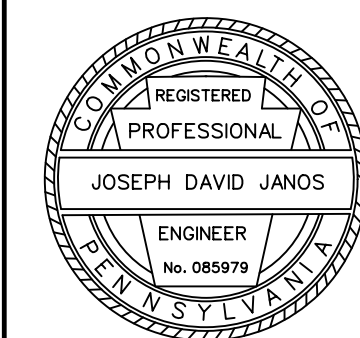
31. CONTRACTOR TO REPLACE IN KIND, RAISED PAVEMENT MARKERS (PUB. 111, TC-8602) AND RUMBLE STRIPS (PUB. 72M, RC-22M) IF NECESSARY BASED ON FINAL PAVEMENT MARKINGS WITHIN THE LIMITS OF WORK.
32. COMPLY WITH THE FOLLOWING DOCUMENTS IN CONSTRUCTION:
 - DESIGN MANUAL PART II, HIGHWAY DESIGN, AUGUST 2009, AS AMENDED.
 - TEMPORARY TRAFFIC CONTROL GUIDELINES, PUBLICATION 213, JUNE 2014 OR AS AMENDED.
 - THE PENNSYLVANIA CODE, TITLE 67, TRANSPORTATION, CHAPTER 212, APRIL 2006, OR AS AMENDED.
 - MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, US DEPARTMENT OF TRANSPORTATION, FHWA, 2009.
 - TRAFFIC CONTROL PAVEMENT MARKINGS AND SIGNING STANDARDS, TC-8600 AND TC-8700 SERIES, PUB 111, JUNE 2013.
 - STANDARDS FOR ROADWAY CONSTRUCTION, SERIES RC 0M TO 100M, PENNDOT PUBLICATION 72M, FEBRUARY 2019, OR AS AMENDED.
 - ACCESS TO AND OCCUPANCY OF HIGHWAYS BY DRIVEWAYS AND LOCAL ROADS, 67 PA CODE, CHAPTER 441, AUGUST 1996.
 - OFFICIAL TRAFFIC CONTROL DEVICES, PUBLICATION 212, MARCH 2006.
 - ACT 50, PREVENTION OF DAMAGE TO UNDERGROUND UTILITIES, OCTOBER 30, 2017.
 - PUBLICATION 35, APPROVED CONSTRUCTION MATERIALS (BULLETIN 15).
33. DETAILS OTHER THAN THOSE STATED ARE ON THE FOLLOWING STANDARD DETAILS FROM PUBLICATION 72M:
 - RC-25M FEBRUARY 8, 2019
 - RC-30M DECEMBER 17, 2019
 - RC-31M JUNE 1, 2010
 - RC-39M SEPTEMBER 15, 2016
 - RC-45M SEPTEMBER 15, 2016
 - RC-46M SEPTEMBER 15, 2016
 - RC-50M FEBRUARY 8, 2019
 - RC-54M DECEMBER 17, 2019
 - RC-64M JUNE 1, 2010
 - RC-65M DECEMBER 17, 2019
 - RC-67M DECEMBER 17, 2019
34. ALL PROPOSED PEDESTRIAN FACILITIES REFLECTED ON THESE PLANS SHALL BE CONSTRUCTED TO COMPLY WITH THE FOLLOWING STANDARDS:
 - PENNDOT DESIGN MANUAL 2, CHAPTER 6
 - PENNDOT STANDARDS FOR ROADWAY CONSTRUCTION, PUB 72M, RC-67M
 - U.S. ACCESS BOARD, PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG)
35. THE CONTRACTOR MUST NOTIFY THE PENNDOT DISTRICT PRESS OFFICE AT 610-205-6800 ABOUT THE CONSTRUCTION PROJECT 2 WEEKS PRIOR TO THE START OF THE JOB.
36. CONTRACTOR WILL NOTIFY BOTH GOVERNING MUNICIPALITY AND THE DELAWARE COUNTY ROADS AND BRIDGES DEPARTMENT AT LEAST 72 HOURS PRIOR TO THE START OF WORK.
37. CONTRACTOR WILL FOLLOW ALL MUNICIPAL ORDINANCES, REGULATIONS AND POLICIES REGARDING HOURS OF WORK.
38. CONTRACTOR WILL PERFORM ALL WORK ACCORDING TO THE MOST RECENT EDITION OF PENNDOT PUBLICATION 408, AND IN COMPLIANCE WITH LOCAL MUNICIPAL ORDINANCES, POLICIES, AND REGULATIONS.
39. ALL EXISTING PAVEMENT MARKINGS, RUMBLE STRIPS, DELINEATORS, ETC. AFFECTED BY THE PROPOSED IMPROVEMENTS MUST BE REPLACED IN KIND.
40. PRIOR TO AN OVERLAY, BITUMINOUS OR CONCRETE BASE REPAIR OR JOINT REPLACEMENT MAY BE REQUIRED. REPAIR/REPLACEMENT WILL BE AT THE DISCRETION OF THE INSPECTOR-IN-CHARGE.
41. MODIFICATIONS TO EXISTING DRAINAGE STRUCTURES MAY RESULT IN THE NEED TO REPLACE THE STRUCTURE. REPLACEMENT WILL BE AT THE DISCRETION OF THE INSPECTOR-IN-CHARGE.
42. ALL TRENCH OPERATIONS WITHIN THE LEGAL RIGHT-OF-WAY MUST BE CONDUCTED IN ACCORDANCE WITH OSHA'S EXCAVATION STANDARD 29CFR PART 1926, SUBPART P.

| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
|-----------------|-----------|-------|---------|---------|
| 6-0 | DELAWARE | - | - | 2 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |

c:\pwork\h\p\project\156\1\do\1173763\W\general notes.dgn
 7/29/2020 4:01:38 PM 1:25



PENNSYLVANIA ACT 287 (1974) AS AMENDED BY ACT 50 (2017) REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH. PA ONE-CALL SERIAL #20202041372 HAS BEEN ASSIGNED TO THIS PROJECT ON 07/22/2020 * ENTRIES FROM ACT 50 LIST UPDATED BY ENGINEER.



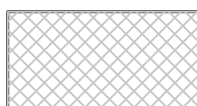

TRAFFIC PLANNING AND DESIGN, INC.
 www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com

| | | |
|--|----------------------|--------------------|
| DATE: 07/29/20 | PROJECT DESIGNER: JJ | JOB NO: RADT.00005 |
| GENERAL NOTES | | |
| THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS. | | |

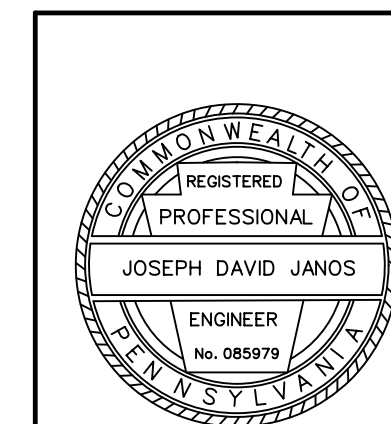
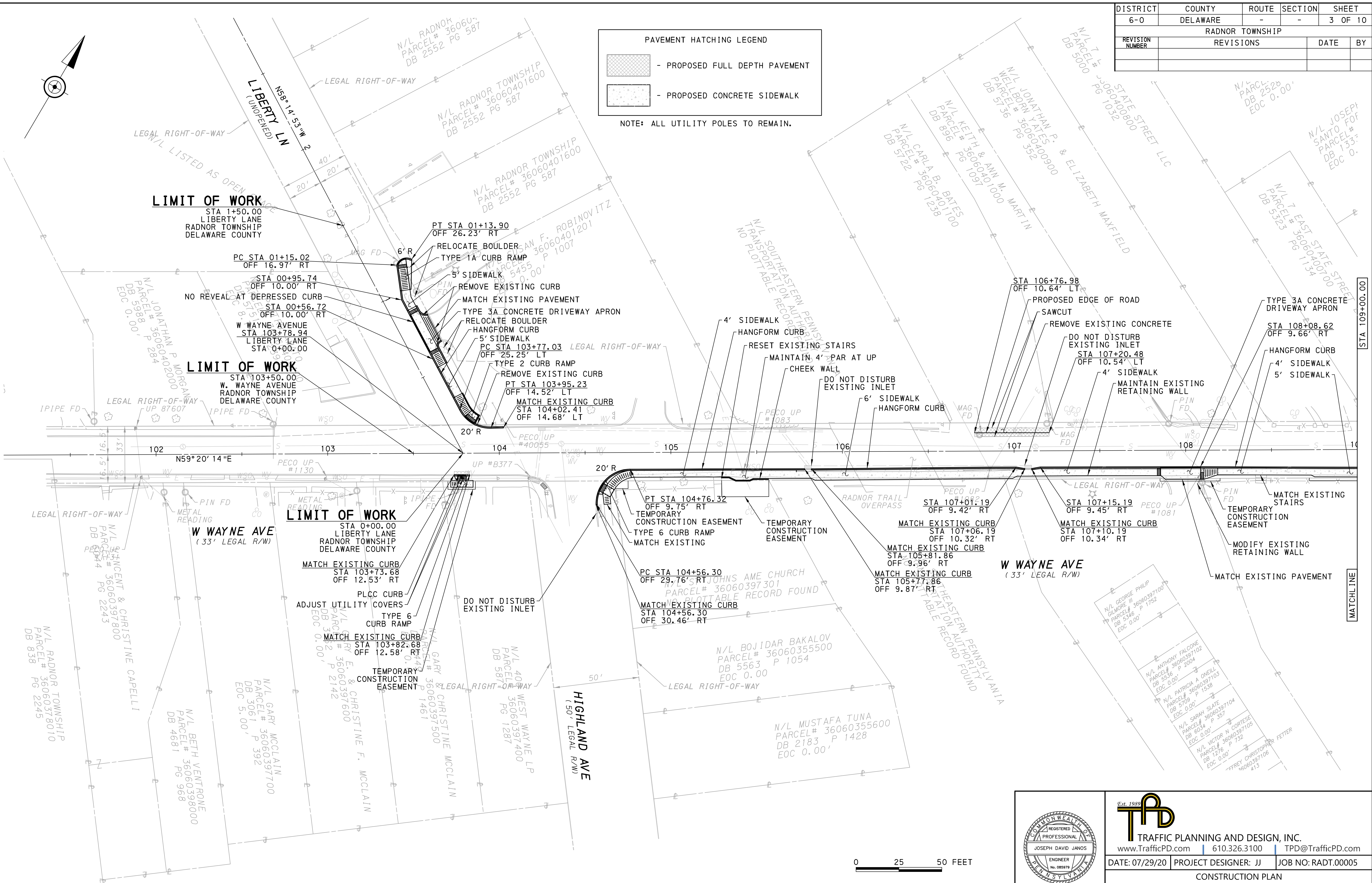
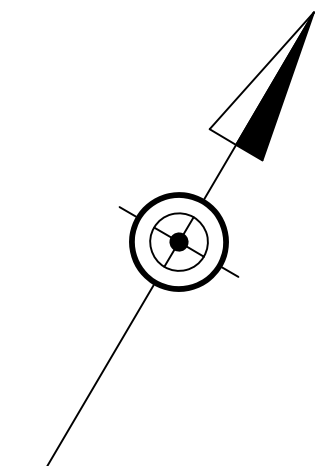
CRN BY: TF

| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
|-----------------|-----------|-------|---------|---------|
| 6-0 | DELAWARE | - | - | 3 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |

PAVEMENT HATCHING LEGEND

-  - PROPOSED FULL DEPTH PAVEMENT
-  - PROPOSED CONCRETE SIDEWALK

NOTE: ALL UTILITY POLES TO REMAIN.

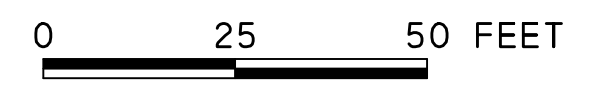


TPD
TRAFFIC PLANNING AND DESIGN, INC.
www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com

DATE: 07/29/20 PROJECT DESIGNER: JJ JOB NO: RADT.00005

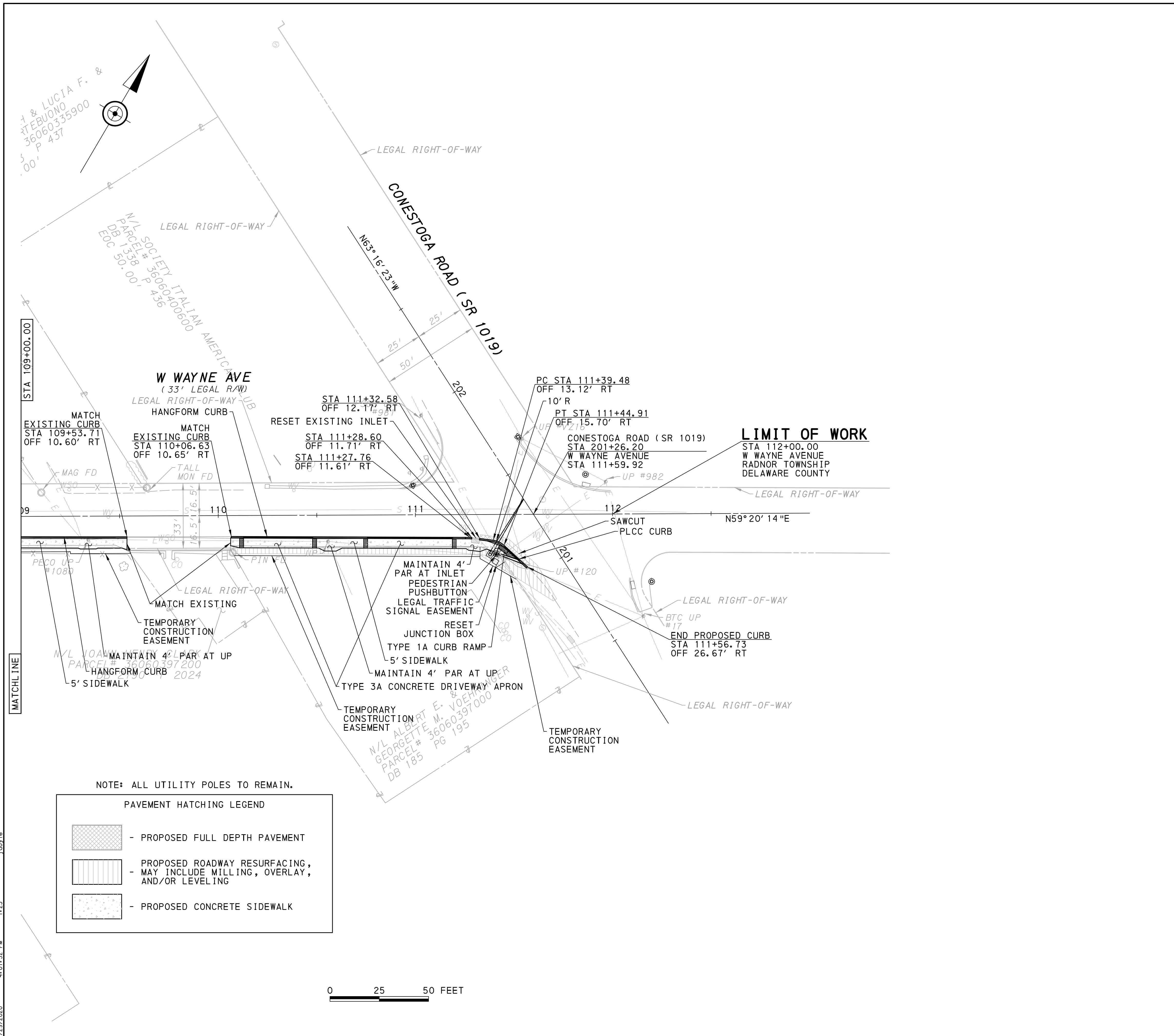
CONSTRUCTION PLAN

THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.



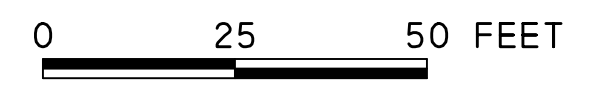
c:\pwork\proj\p\ectw\se\1\do\ed\1173763\mwp\an01.dgn
 7/29/2020 4:01:45 PM 11:25

| | | | | |
|-----------------|-----------|-------|---------|---------|
| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
| 6-0 | DELAWARE | - | - | 4 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |

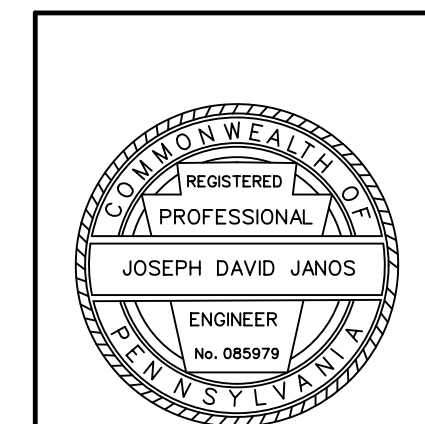


NOTE: ALL UTILITY POLES TO REMAIN.

| PAVEMENT HATCHING LEGEND | |
|--------------------------|---|
| | - PROPOSED FULL DEPTH PAVEMENT |
| | - PROPOSED ROADWAY RESURFACING, MAY INCLUDE MILLING, OVERLAY, AND/OR LEVELING |
| | - PROPOSED CONCRETE SIDEWALK |



c:\pwworking\proj\ectw\ese\j\doyle\1173763\mwp\an02.dgn 7/29/2020 4:01:52 PM 1:25



Est. 1989

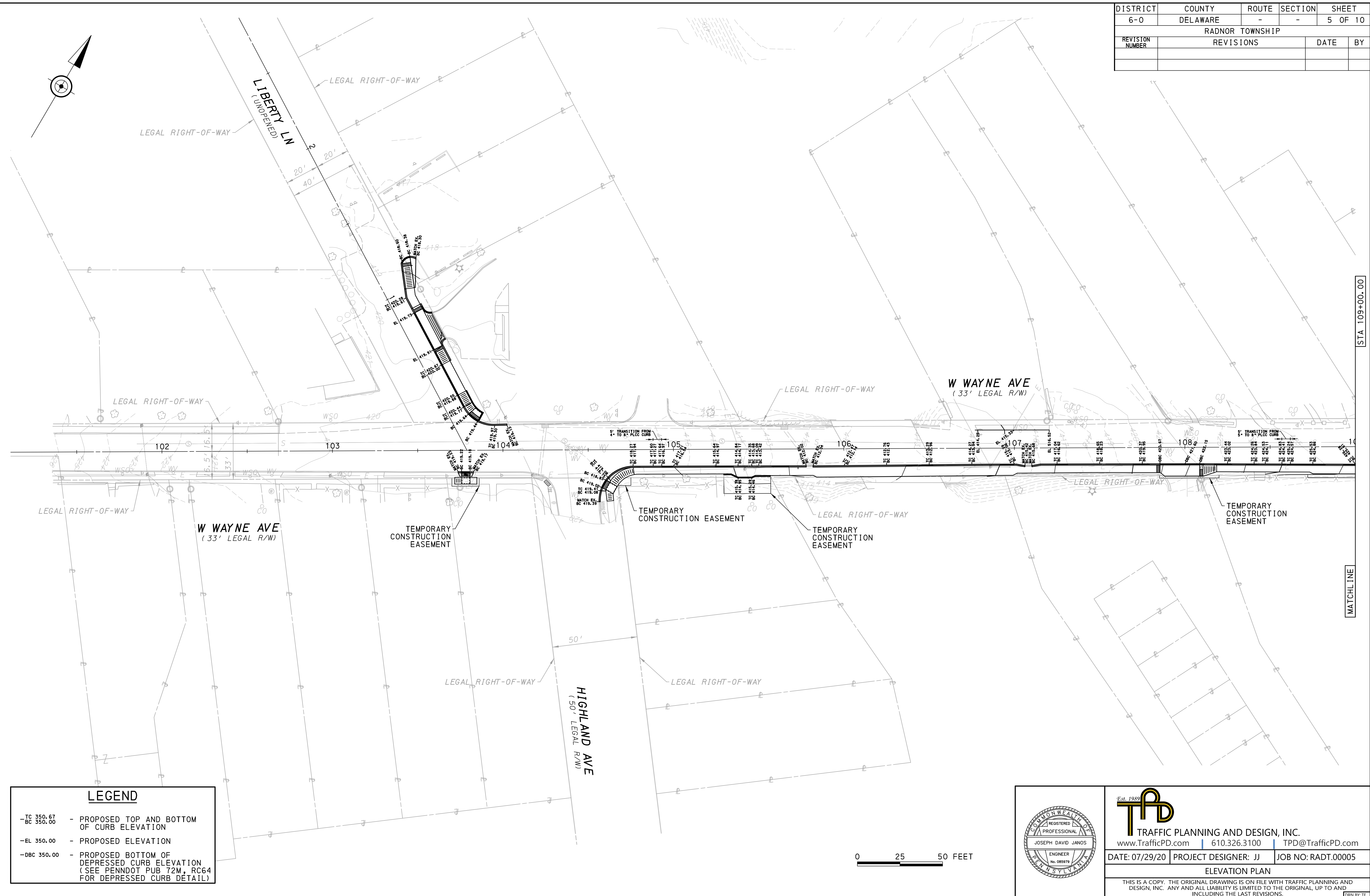
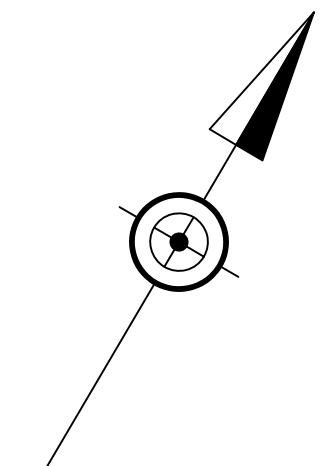
TRAFFIC PLANNING AND DESIGN, INC.
 www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com

DATE: 07/29/20 PROJECT DESIGNER: JJ JOB NO: RADT.00005

CONSTRUCTION PLAN

THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.

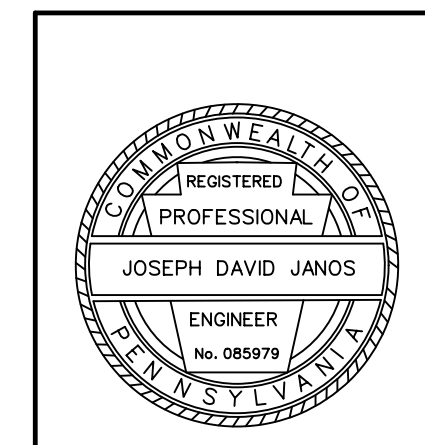
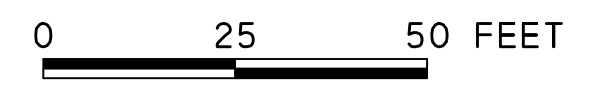
| | | | | |
|-----------------|-----------|-------|---------|---------|
| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
| 6-0 | DELAWARE | - | - | 5 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |




STA 109+00.00

MATCHLINE

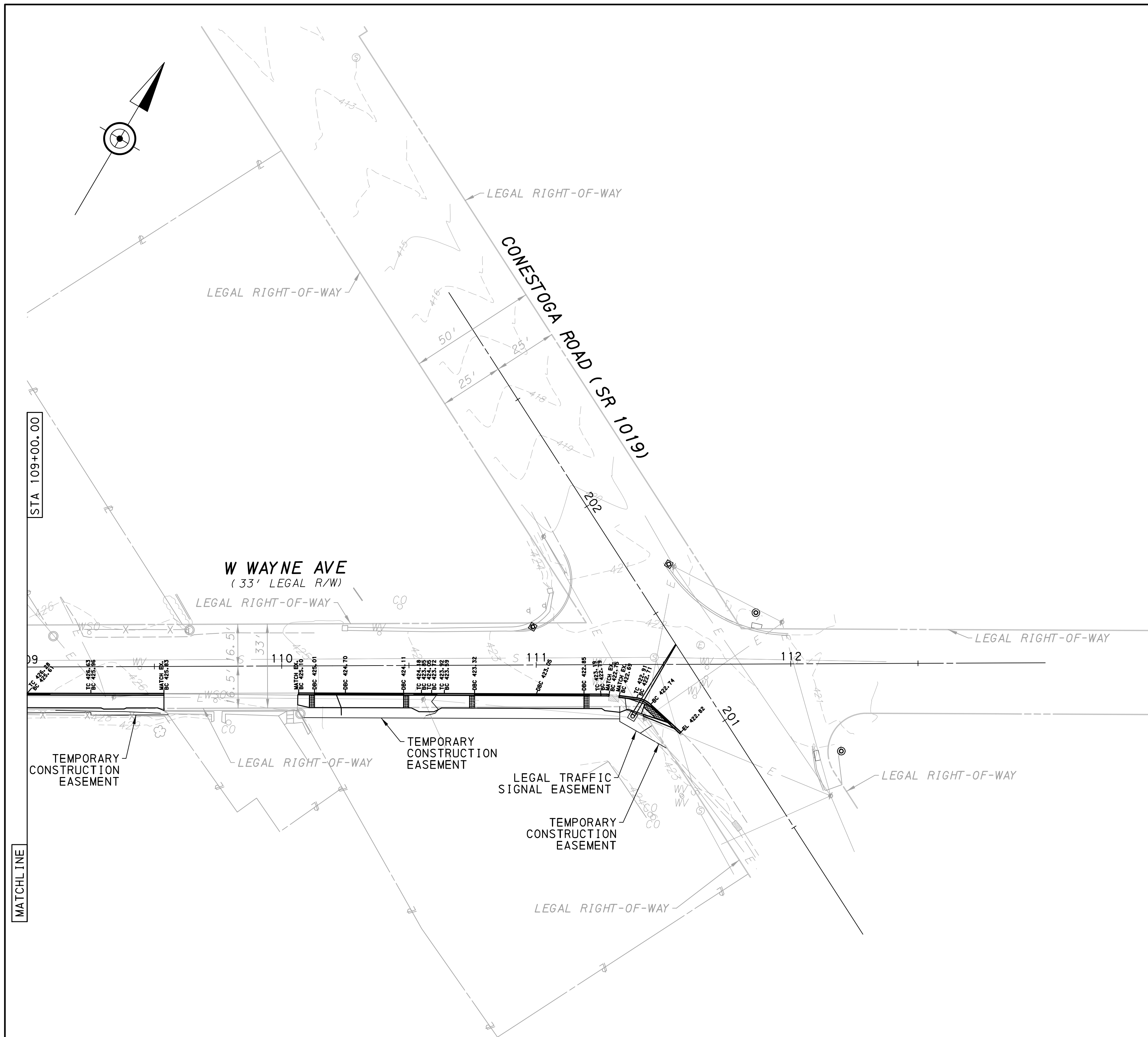
| LEGEND | |
|--------------------------|---|
| -TC 350.67 -BC 350.00 | - PROPOSED TOP AND BOTTOM OF CURB ELEVATION |
| -EL 350.00 | - PROPOSED ELEVATION |
| -DBC 350.00 | - PROPOSED BOTTOM OF DEPRESSED CURB ELEVATION (SEE PENNDOT PUB 72M, RC64 FOR DEPRESSED CURB DETAIL) |



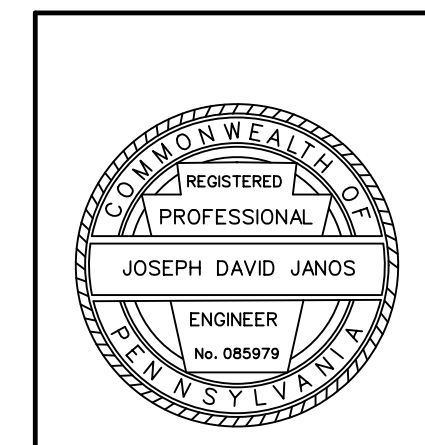

TRAFFIC PLANNING AND DESIGN, INC.
 www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com
 DATE: 07/29/20 | PROJECT DESIGNER: JJ | JOB NO: RADT.00005
ELEVATION PLAN
THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.

c:\pwork\k\proj\ectw\ese\1\do\1\173763\Wwe\evation01.dgn 7/29/2020 4:02:02 PM 1:25

| | | | | |
|-----------------|-----------|-------|---------|---------|
| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
| 6-0 | DELAWARE | - | - | 6 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |



| LEGEND | |
|--------------------------|---|
| -TC 350.67 -BC 350.00 | - PROPOSED TOP AND BOTTOM OF CURB ELEVATION |
| -EL 350.00 | - PROPOSED ELEVATION |
| -DBC 350.00 | - PROPOSED BOTTOM OF DEPRESSED CURB ELEVATION (SEE PENNDOT PUB 72M, RC64 FOR DEPRESSED CURB DETAIL) |

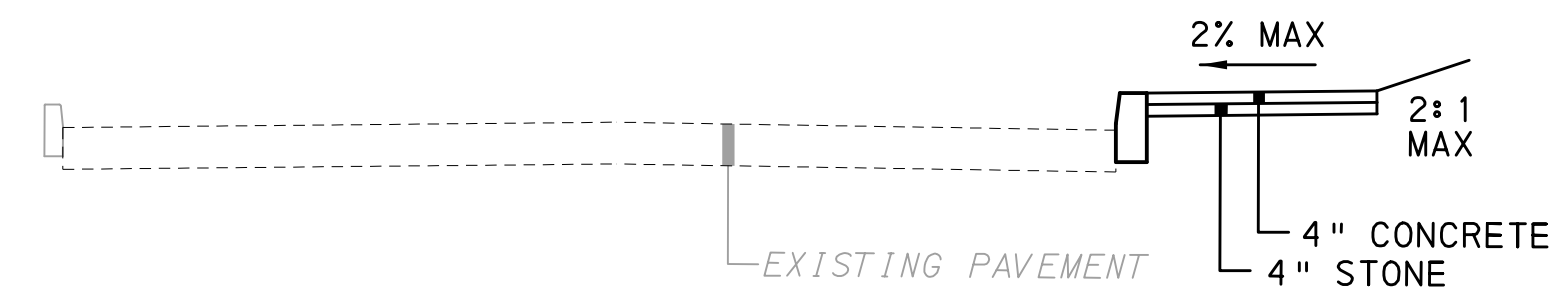
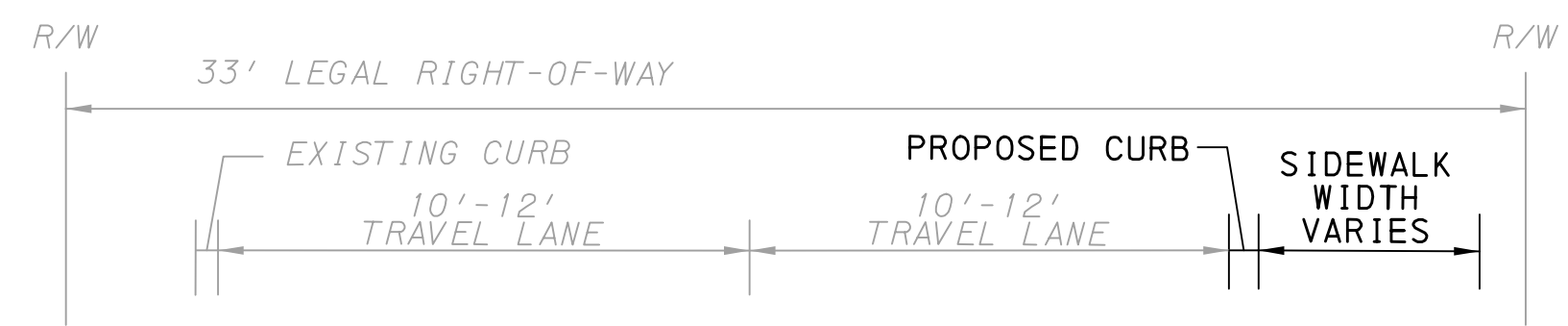


Est. 1989
TPD
 TRAFFIC PLANNING AND DESIGN, INC.
 www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com

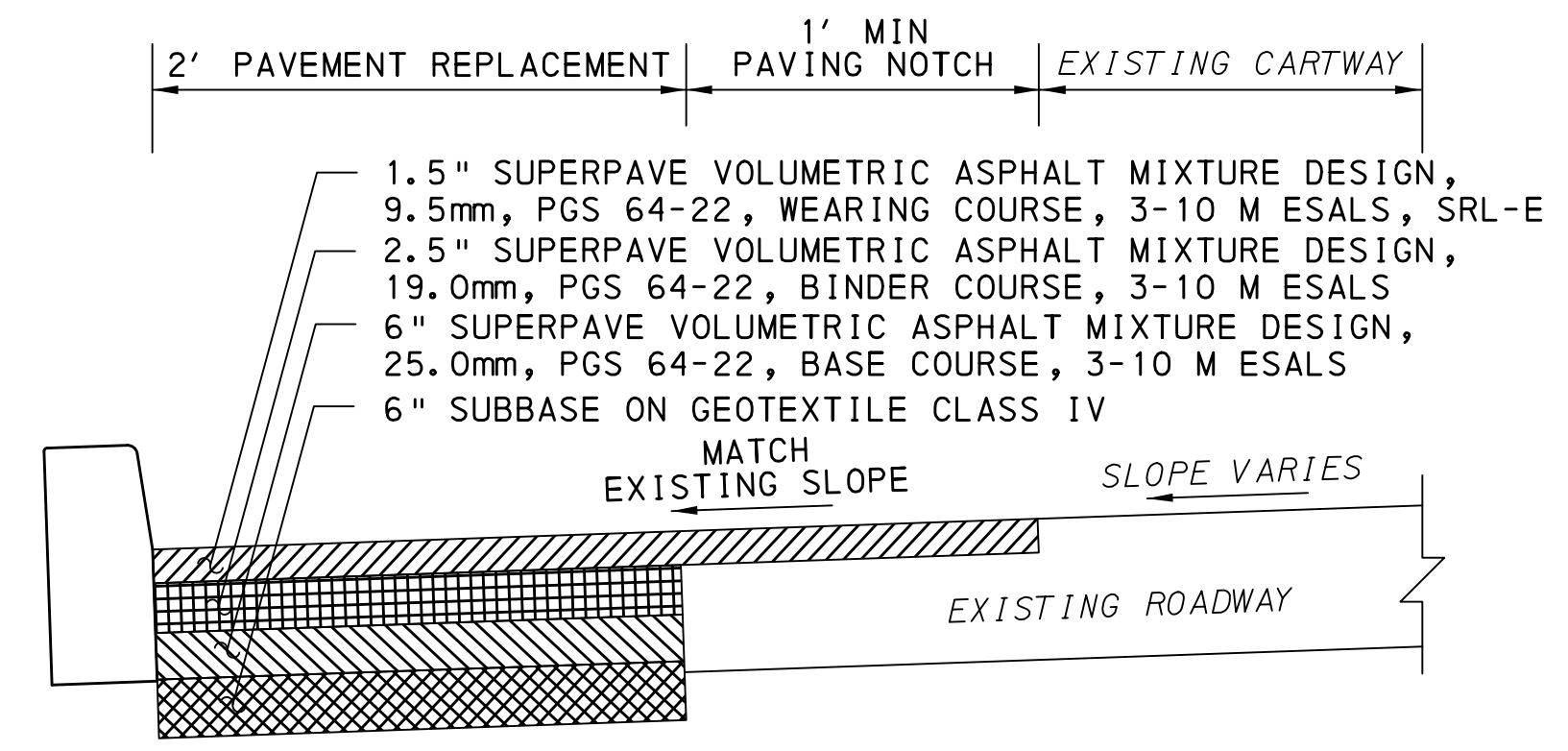
| | | |
|--|----------------------|--------------------|
| DATE: 07/29/20 | PROJECT DESIGNER: JJ | JOB NO: RADT.00005 |
| ELEVATION PLAN | | |
| THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS. | | |

c:\pwork\k\proj\ectw\ese\j\doyle\ed\1173763\Wwelevation02.dgn
 7/29/2020 4:02:13 PM 1:25

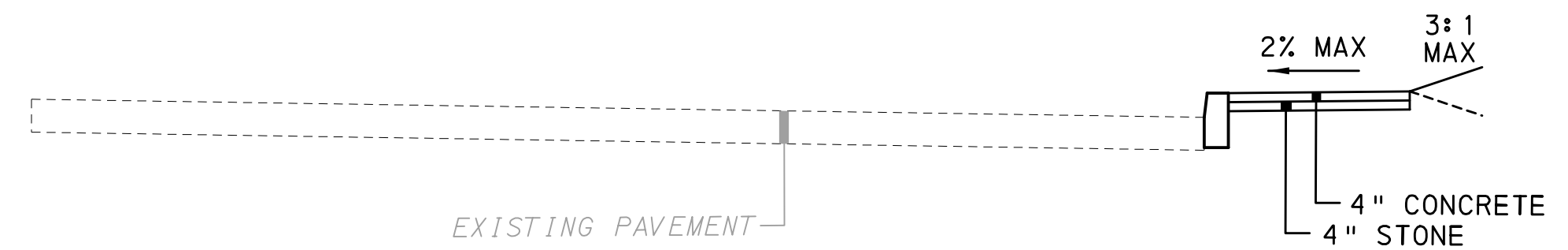
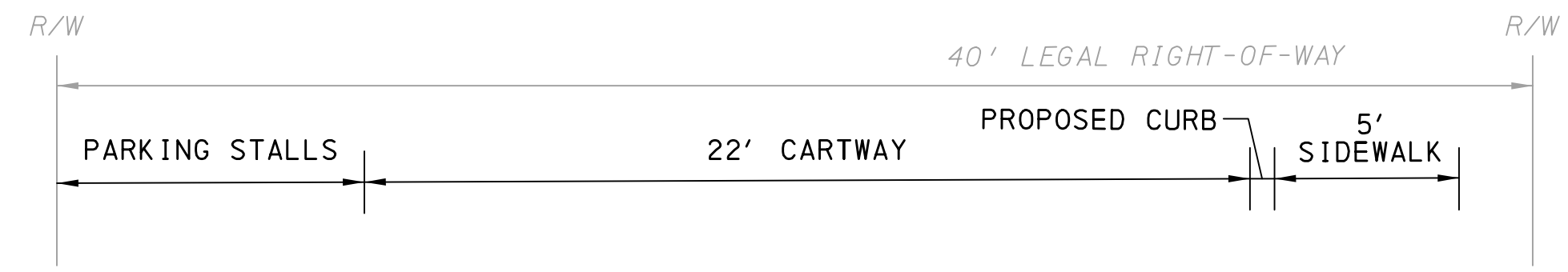
| | | | | |
|-----------------|-----------|-------|---------|---------|
| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
| 6-0 | DELAWARE | - | - | 7 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |



WEST WAYNE AVENUE
STA 103+50.00 TO 112+00.00
TYPICAL SECTION



CURB REPLACEMENT DETAIL
AT FULL DEPTH PAVEMENT
NTS



LIBERTY LANE
STA 00+00.00 TO 01+50.00
TYPICAL SECTION

**UTILITY CONTACTS
FOR COORDINATION**

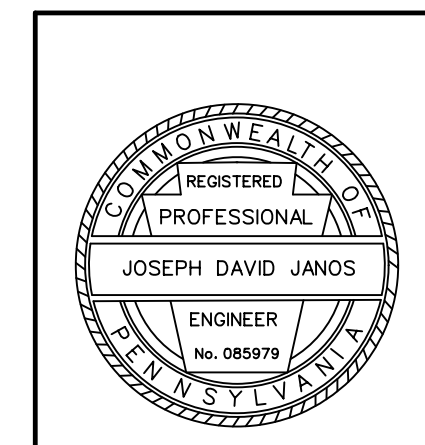
AQUA PENNSYLVANIA INC
762 W LANCASTER AVENUE
BRYN MAWR, PA 19010
CONTACT: STEVE PIZZI
EMAIL: SBPIZZI@AQUAAMERICA.COM

COMCAST
110 SPRINGBROOKE BOULEVARD
ASTON, PA 19014
CONTACT: RICH KAIN
EMAIL: RICHARD_KAIN@CABLE.COMCAST.COM

PECO ENERGY
450 S HENDERSON ROAD, SUITE B
KING OF PRUSSIA, PA 19406
CONTACT: NIKKIA SIMPKINS
EMAIL: NIKKIASIMPKINS@USICLLC.COM

VERIZON PENNSYLVANIA LLC
1050 VIRGINIA DRIVE
FORT WASHINGTON, PA 19034
CONTACT: DARLENÉ LEPPERD JOHNSON

RADNOR TOWNSHIP
301 IVEN AVENUE
WAYNE, PA 19087
CONTACT: STEVE MCNELIS
EMAIL: SMCNELIS@RADNOR.ORG



Est. 1989
TPD
TRAFFIC PLANNING AND DESIGN, INC.
www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com

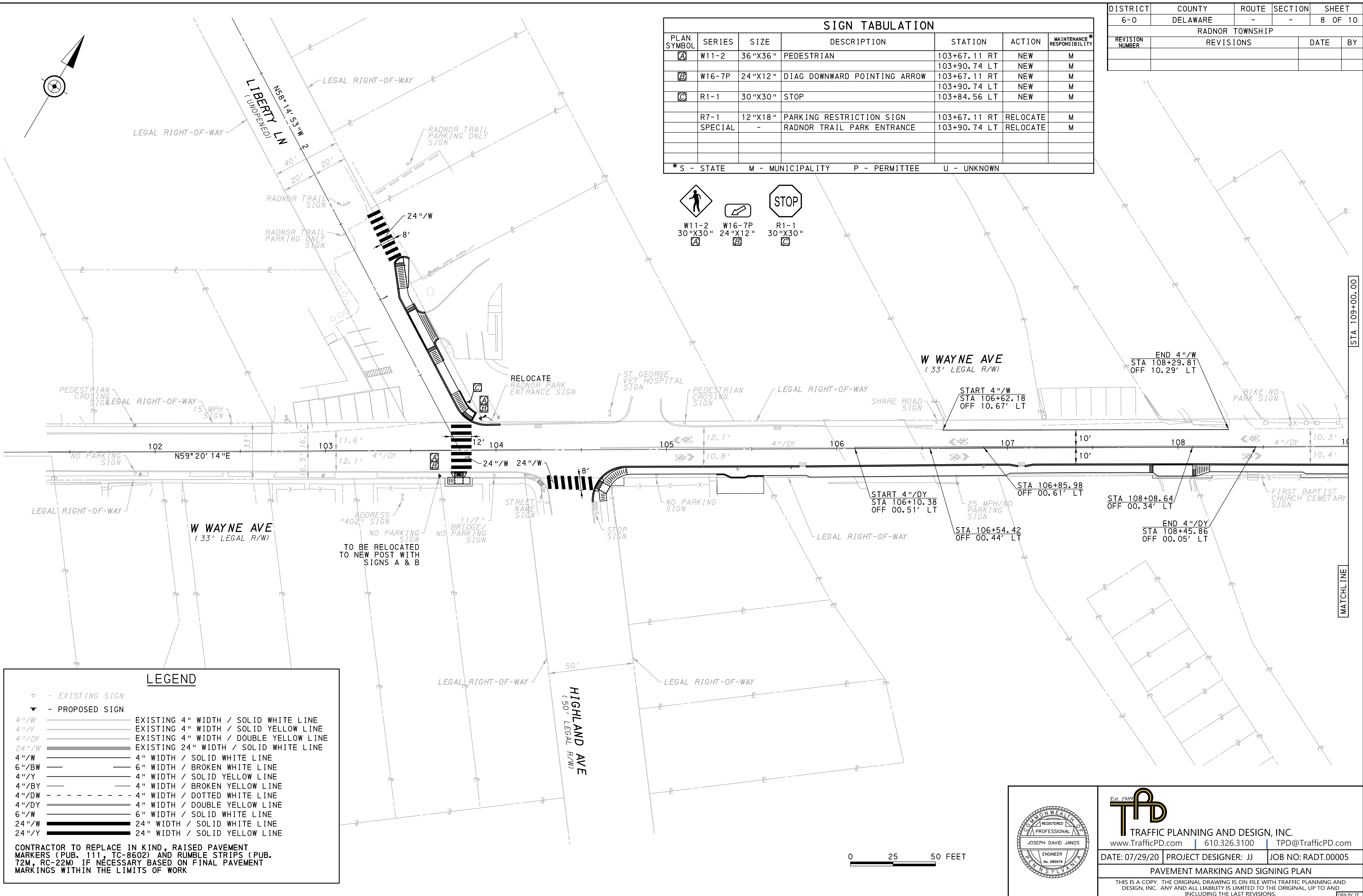
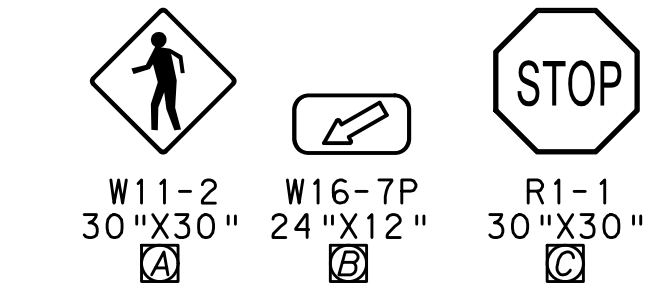
DATE: 07/29/20 | PROJECT DESIGNER: JJ | JOB NO: RADT.00005

TYPICAL SECTIONS AND CONSTRUCTION DETAILS

THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.

c:\pwork\proj\proj\ectw\se\1\do\1\173763\Wf\typ\loc\ls.dgn 7/29/2020 4:02:18 PM 1:25 jdxyle

| SIGN TABULATION | | | | | | |
|---|---------|---------|------------------------------|--------------|----------|-----------------------------|
| PLAN SYMBOL | SERIES | SIZE | DESCRIPTION | STATION | ACTION | MAINTENANCE RESPONSIBILITY* |
| A | W11-2 | 36"X36" | PEDESTRIAN | 103+67.11 RT | NEW | M |
| B | W16-7P | 24"X12" | DIAG DOWNWARD POINTING ARROW | 103+90.74 LT | NEW | M |
| C | R1-1 | 30"X30" | STOP | 103+90.74 LT | NEW | M |
| | R7-1 | 12"X18" | PARKING RESTRICTION SIGN | 103+67.11 RT | RELOCATE | M |
| | SPECIAL | - | RADNOR TRAIL PARK ENTRANCE | 103+90.74 LT | RELOCATE | M |
| *S - STATE M - MUNICIPALITY P - PERMITTEE U - UNKNOWN | | | | | | |

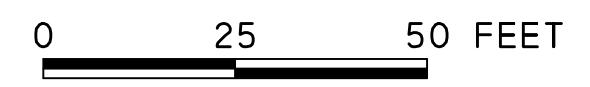


LEGEND

| | |
|--|--|
| | - EXISTING SIGN |
| | - PROPOSED SIGN |
| | EXISTING 4" WIDTH / SOLID WHITE LINE |
| | EXISTING 4" WIDTH / SOLID YELLOW LINE |
| | EXISTING 4" WIDTH / DOUBLE YELLOW LINE |
| | EXISTING 24" WIDTH / SOLID WHITE LINE |
| | 4" WIDTH / SOLID WHITE LINE |
| | 6" WIDTH / BROKEN WHITE LINE |
| | 4" WIDTH / SOLID YELLOW LINE |
| | 4" WIDTH / BROKEN YELLOW LINE |
| | 4" WIDTH / DOTTED WHITE LINE |
| | 4" WIDTH / DOUBLE YELLOW LINE |
| | 6" WIDTH / SOLID WHITE LINE |
| | 24" WIDTH / SOLID WHITE LINE |
| | 24" WIDTH / SOLID YELLOW LINE |

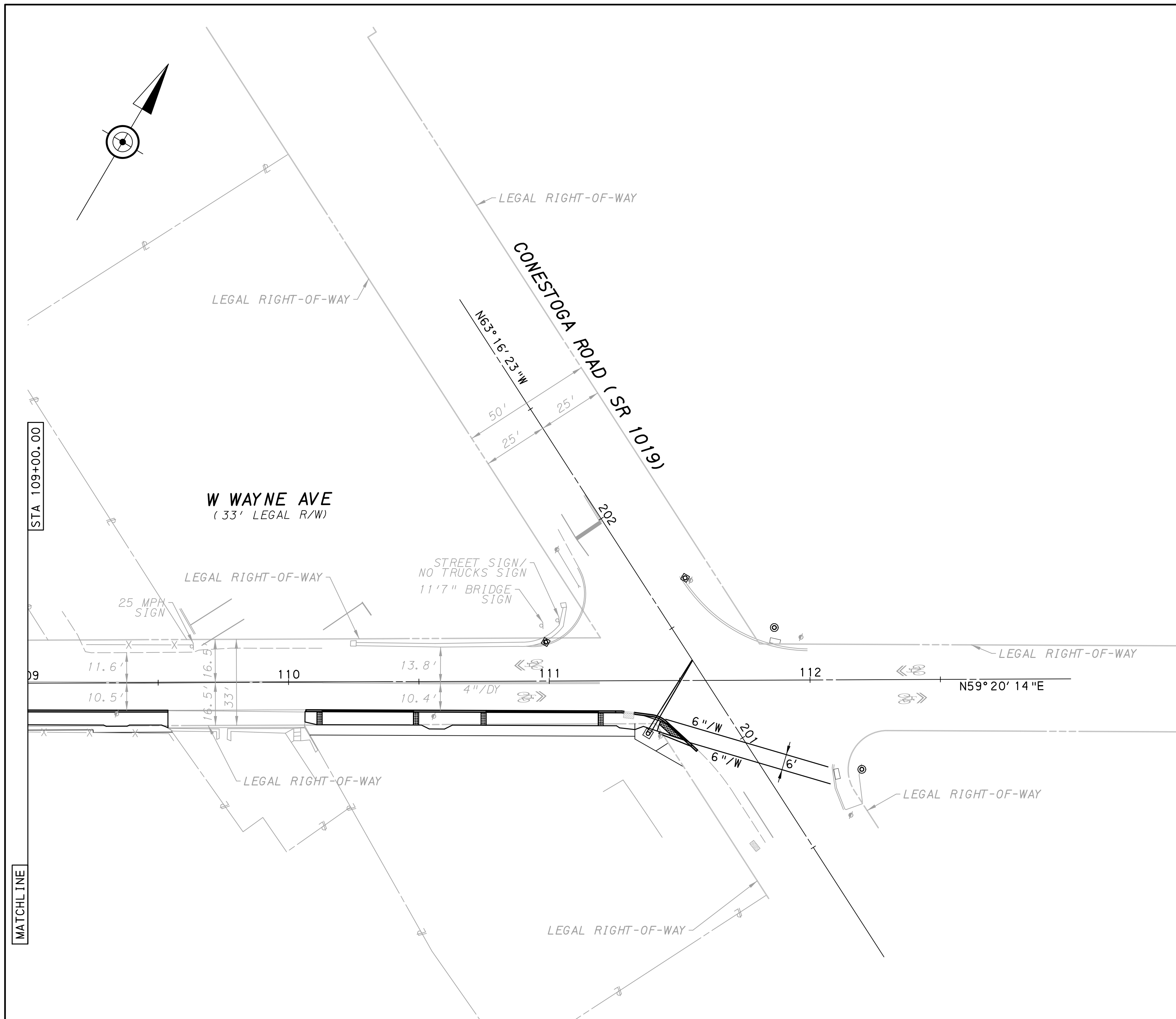
CONTRACTOR TO REPLACE IN KIND, RAISED PAVEMENT MARKERS (PUB. 111, TC-8602) AND RUMBLE STRIPS (PUB. 72M, RC-22M) IF NECESSARY BASED ON FINAL PAVEMENT MARKINGS WITHIN THE LIMITS OF WORK

TRAFFIC PLANNING AND DESIGN, INC.
www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com
DATE: 07/29/20 PROJECT DESIGNER: JJ JOB NO: RADT.00005
PAVEMENT MARKING AND SIGNING PLAN
THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.



c:\pwork\proj\proj\ectw\se\do\ed\1173763\mmp01.dgn 7/29/2020 4:02:26 PM 1:25

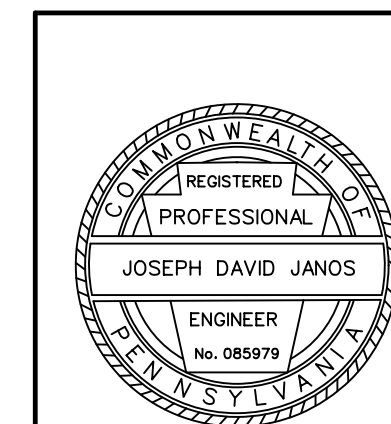
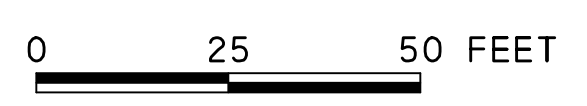
| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
|-----------------|-----------|-------|---------|---------|
| 6-0 | DELAWARE | - | - | 9 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |



LEGEND

| | |
|--|--|
| | - EXISTING SIGN |
| | - PROPOSED SIGN |
| | EXISTING 4" WIDTH / SOLID WHITE LINE |
| | EXISTING 4" WIDTH / SOLID YELLOW LINE |
| | EXISTING 4" WIDTH / DOUBLE YELLOW LINE |
| | EXISTING 4" WIDTH / DOUBLE YELLOW LINE |
| | EXISTING 24" WIDTH / SOLID WHITE LINE |
| | 4" WIDTH / SOLID WHITE LINE |
| | 6" WIDTH / BROKEN WHITE LINE |
| | 4" WIDTH / SOLID YELLOW LINE |
| | 4" WIDTH / BROKEN YELLOW LINE |
| | 4" WIDTH / DOTTED WHITE LINE |
| | 4" WIDTH / DOUBLE YELLOW LINE |
| | 6" WIDTH / SOLID WHITE LINE |
| | 24" WIDTH / SOLID WHITE LINE |
| | 24" WIDTH / SOLID YELLOW LINE |

CONTRACTOR TO REPLACE IN KIND, RAISED PAVEMENT MARKERS (PUB. 111, TC-8602) AND RUMBLE STRIPS (PUB. 72M, RC-22M) IF NECESSARY BASED ON FINAL PAVEMENT MARKINGS WITHIN THE LIMITS OF WORK



TPD
TRAFFIC PLANNING AND DESIGN, INC.

www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com

DATE: 07/29/20 | PROJECT DESIGNER: JJ | JOB NO: RADT.00005

PAVEMENT MARKING AND SIGNING PLAN

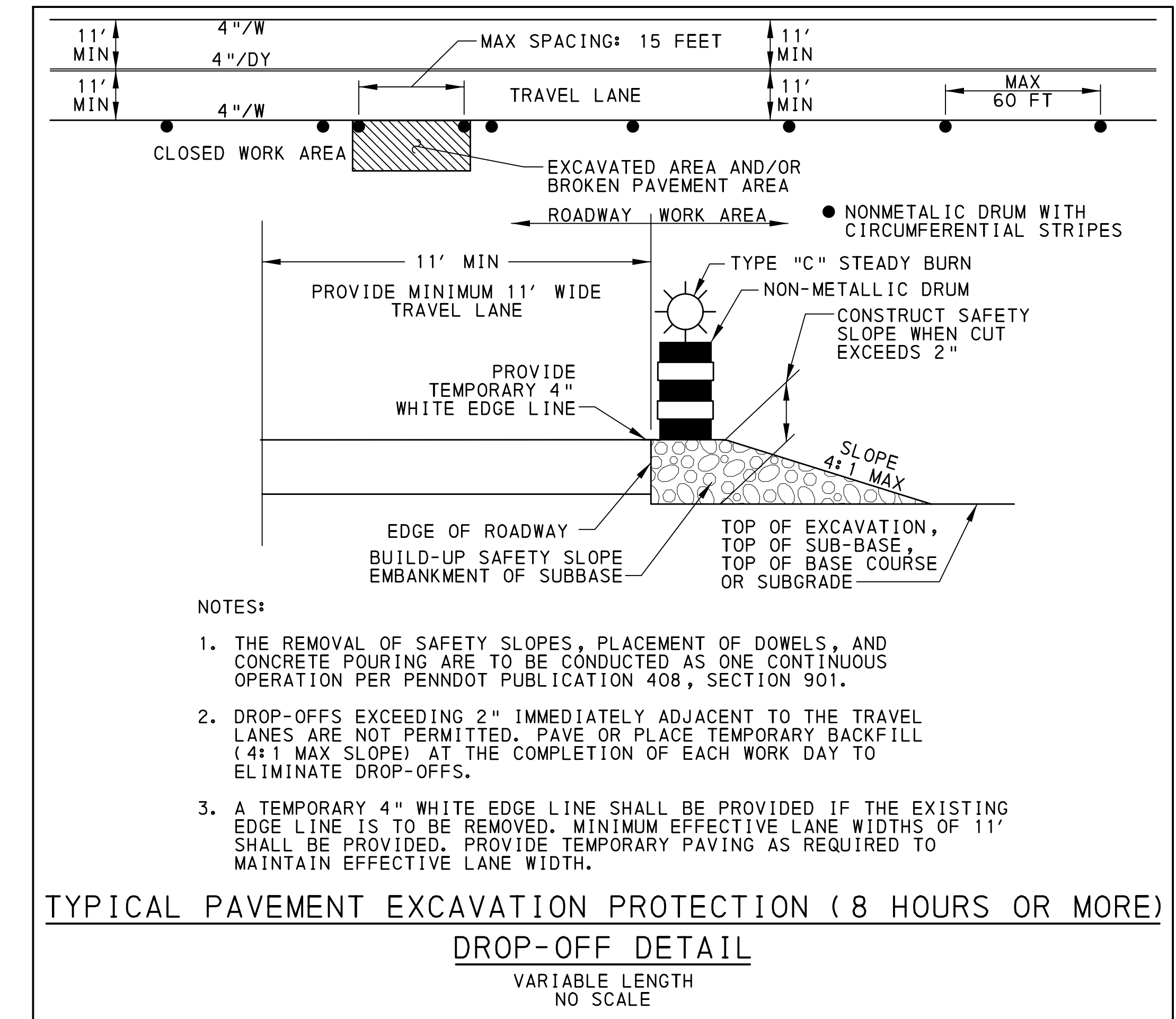
THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.

c:\pwworking\proj\ectw\66\1\do\1173763\Wmp02.dgn 7/29/2020 4:02:35 PM 1:25

| | | | | |
|-----------------|-----------|-------|---------|----------|
| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
| 6-0 | DELAWARE | - | - | 10 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |

TRAFFIC CONTROL GENERAL NOTES

- FURNISH, INSTALL, MAINTAIN, AND REMOVE ALL TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE TRAFFIC CONTROL PLANS.
- REQUIRE ALL MAINTENANCE AND PROTECTION OF TRAFFIC DEVICES AND METHODS TO CONFORM WITH THE FOLLOWING DOCUMENTS:
 - COMMONWEALTH OF PENNSYLVANIA, DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, PUBLICATION 408, 2016, OR AS AMENDED.
 - WORK ZONE TRAFFIC CONTROL GUIDELINES, PUBLICATION 213, JUNE 2014, OR AS AMENDED.
 - THE PENNSYLVANIA CODE, TITLE 67, TRANSPORTATION, CHAPTER 212, APRIL 2006 OR AS AMENDED.
 - MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, U.S. DEPARTMENT OF TRANSPORTATION, FWHA.
 - TRAFFIC CONTROL PAVEMENT MARKINGS AND SIGNING STANDARDS, TC-8600 AND TC-8700 SERIES, PUB 111, JUNE 2013.
 - STANDARDS FOR ROADWAY CONSTRUCTION, SERIES RC OM TO 100M, PENNDOT PUBLICATION 72M, JUNE 2010, OR AS AMENDED.
 - ACCESS TO AND OCCUPANCY OF HIGHWAYS BY DRIVEWAYS AND LOCAL ROADS, 67 PA CODE, CHAPTER 441, AUGUST 1996.
- NO TRAFFIC RESTRICTIONS OR LANE CLOSURES ARE PERMITTED ON LEGAL HOLIDAYS AND BETWEEN THE HOURS OF 6:00AM - 9:00AM AND 3:00PM - 7:00PM, MONDAY THROUGH FRIDAY.
- PROPERLY BARRICADE AND SECURE THE WORK AREA DURING NON-WORKING HOURS TO PROVIDE FULL WIDTH USE FOR THROUGH TRAFFIC LANES UNDER SHORT TERM OPERATIONS. RETURN ALL LANES TO NORMAL TRAFFIC FLOW AT CLOSE OF WORKDAY.
- MAINTAIN ACCESS TO ALL PRIVATE DRIVEWAYS, MUNICIPAL ROADS, MAILBOXES, AND FIRE HYDRANTS DURING CONSTRUCTION.
- PROTECT ANY EXCAVATIONS, OBSTRUCTIONS, OR CONSTRUCTION SO AS NOT TO EXPOSE ANY PEDESTRIAN TO HAZARDS.
- DO NOT PARK ANY PERSONNEL VEHICLES WITHIN THE RIGHT OF WAY WITHOUT PERMISSION OF THE INSPECTOR IN CHARGE.
- EXISTING SIGNS. REMOVE EXISTING WARNING, REGULATORY, GUIDE, AND DIRECTIONAL SIGNS AS REQUIRED TO ACCOMMODATE CONSTRUCTION OPERATION. DO NOT REMOVE STOP OR YIELD SIGNS UNLESS AN ALTERNATE TYPE OF TRAFFIC CONTROL IS PROVIDED, SUCH AS FLAGGERS, TEMPORARY TRAFFIC SIGNALS, ETC. CONTINUE THE ALTERNATE TRAFFIC CONTROL UNTIL THE STOP AND/OR YIELD SIGN ARE REPLACED. SPEED LIMIT AND WARNING SIGNS NEED TO BE RELOCATED UNLESS THEY ARE ALL COUNTED AS PART OF THE PLAN.
- STAKE OR MARK SIGN LOCATIONS OR LOCATE SIGNS ON CONSTRUCTION DRAWINGS BEFORE REMOVING ANY SIGNS. REINSTALL EXISTING WARNING SIGNS AT APPROPRIATE LOCATIONS WITHIN 4 HOURS OF THEIR REMOVAL WITH THE EXCEPTION OF STOP OR YIELD SIGNS AS HEREIN NOTED, REINSTALL EXISTING REGULATORY, GUIDE, AND DIRECTIONAL SIGNS AT APPROPRIATE LOCATIONS WITHIN 24 HOURS OF THEIR REMOVAL.
- THE CHOSEN CONTRACTOR SHALL ESTABLISH A NAME AND PHONE NUMBER FOR THE PERSON RESPONSIBLE FOR TRAFFIC PROTECTION (24 HOURS).
- REPLACE IN KIND ALL SIGNS OR POSTS DAMAGED DURING REMOVAL OR REINSTALLATION.
- ALL PAVEMENT MARKINGS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED.
- PLACE TEMPORARY CONCRETE BARRIER AND THE APPROPRIATE END PROTECTION IN ANY LOCATION WHICH HAS A 20" OR GREATER DROP-OFF.
- MPT FIGURE PATA 102 MAY ONLY BE UTILIZED IF THERE IS ADEQUATE PAVEMENT WIDTH AND / OR SITE FRONTAGE AVAILABLE TO MAINTAIN THE MINIMUM TRAVEL WIDTHS (10').
- NOTIFY THE LOCAL MUNICIPALITY WHEN A SIGNALIZED INTERSECTION FALLS WITHIN THE WORK ZONE. DO NOT FLAG A SIGNALIZED INTERSECTION WITHOUT THE MUNICIPALITY PLACING THE SIGNAL ON FLASH.
- DO NOT STOP TRAFFIC FLOW WITHIN THE WORK AREA FOR MORE THAN A 5-MINUTE PERIOD AT ANY ONE TIME.
- ALL WORKERS SHALL FOLLOW THE REGULATIONS SET FORTH IN TITLE OF THE CODE OF FEDERAL REGULATIONS (CFR) PART 634 EFFECTIVE NOVEMBER 24, 2008 IN REGARDS TO THE WORKER'S SAFETY APPAREL.
- NOTIFY THE DISTRICT 6-0 REGIONAL TRAFFIC MANAGEMENT CENTER (RTMC), 610-205-6934, FIFTEEN (15) MINUTES IN ADVANCE OF ANY PROPOSED LANE OR SHOULDER RESTRICTION, ROAD CLOSURE, OR ANY OPERATION IMPEDING THE FLOW OF TRAFFIC. NOTIFY THE RTMC WHEN THE ROAD IS RESTORED TO NORMAL OPERATION.
- THE CONTRACTOR MUST NOTIFY DISTRICT 6-0 PRESS OFFICE AT (610)205-6800 TWO (2) WEEKS IN ADVANCE OF ANY DETOURS, LANE CLOSURES OR RESTRICTIONS.
- REMOVE ALL SHORT TERM WZTC SIGNAGE UPON COMPLETION OF THE DAYS WORK PERIOD.
- ALL WZTC SIGNAGE SHALL BE TYPE III SHEETING
- CONTRACTOR SHALL COMPLY WITH ACT 229 (FOR S>45 MPH).
- NOTIFY THE PROJECT REPRESENTATIVE, IN WRITING VIA A COMPLETED M937R FORM, AT LEAST 14 DAYS BEFORE IMPLEMENTING OR CHANGING ANY LATERAL LANE RESTRICTION, WHICH PROVIDES LESS THAN 16 FEET OF PAVEMENT AND SHOULDER IN EACH DIRECTION FOR OVERSIZE VEHICLES. NOTIFY THE REPRESENTATIVE, IN WRITING, AT LEAST 7 DAYS BEFORE REMOVING THE RESTRICTION.
- REMOVE THESE DEVICES IMMEDIATELY UPON COMPLETION OF THE WORK.
- COVER OR REMOVE ALL CONFLICTING SIGNS AND ERADICATE ALL CONFLICTING PAVEMENT MARKINGS.
- MOUNT ALL LONG-TERM ADVANCE WARNING SIGNS ON TYPE III BARRICADES UNLESS OTHERWISE NOTED OR INSTRUCTED BY DISTRICT OFFICE.
- ALL SIGNS AND DEVICES TO BE MAINTAINED IN NEW OR LIKE NEW CONDITION.
- ALL CHANNELIZING DEVICES, BARRICADES, AND SIGNS SHALL HAVE TYPE III OR BETTER PRISMATIC RETRO-REFLECTIVE SHEETING. SHEETING SHALL BE APPROVED AND LISTED IN PENNDOT PUBLICATION 35 (BULLETIN 15).



- NOTES:
- THE REMOVAL OF SAFETY SLOPES, PLACEMENT OF DOWELS, AND CONCRETE POURING ARE TO BE CONDUCTED AS ONE CONTINUOUS OPERATION PER PENNDOT PUBLICATION 408, SECTION 901.
 - DROP-OFFS EXCEEDING 2" IMMEDIATELY ADJACENT TO THE TRAVEL LANES ARE NOT PERMITTED. PAVE OR PLACE TEMPORARY BACKFILL (4:1 MAX SLOPE) AT THE COMPLETION OF EACH WORK DAY TO ELIMINATE DROP-OFFS.
 - A TEMPORARY 4" WHITE EDGE LINE SHALL BE PROVIDED IF THE EXISTING EDGE LINE IS TO BE REMOVED. MINIMUM EFFECTIVE LANE WIDTHS OF 11' SHALL BE PROVIDED. PROVIDE TEMPORARY PAVING AS REQUIRED TO MAINTAIN EFFECTIVE LANE WIDTH.

SEQUENCE OF CONSTRUCTION

- SET UP LONG TERM TRAFFIC CONTROLS ON WEST WAYNE AVENUE USING PATA FIGURE 201.
- COMPLETE REMOVAL OF ALL CURB, SIDEWALK, AND INDICATED FEATURES USING PATA FIGURES 101, 102, & 107 AS NEEDED.
- COMPLETE GRADING AND CONSTRUCT ALL CURB, SIDEWALK, AND TRAFFIC SIGNAL IMPROVEMENTS USING PATA FIGURES 101, 102, & 107 AS NEEDED.
- COMPLETE ALL PAVEMENT MARKING AND SIGNAGE REMOVAL AND INSTALLATION USING PATA FIGURES 101, 102, & 107 AS NEEDED.

c:\pwork\p\proj\ectw\se\1\do\1\173763\w\p\standards.dgn 7/29/2020 4:02:37 PM 1:1

| | | | |
|---|--|--------------------|--|
| | | | |
| | TRAFFIC PLANNING AND DESIGN, INC. www.TrafficPD.com 610.326.3100 TPD@TrafficPD.com | | |
| DATE: 07/29/20 | PROJECT DESIGNER: JJ | JOB NO: RADT.00005 | |
| TRAFFIC CONTROL STANDARDS | | | |
| <small>THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.</small> | | | |

| | | | | |
|-----------------|-----------|-------|---------|---------|
| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
| 6-0 | DELAWARE | - | - | 1 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |

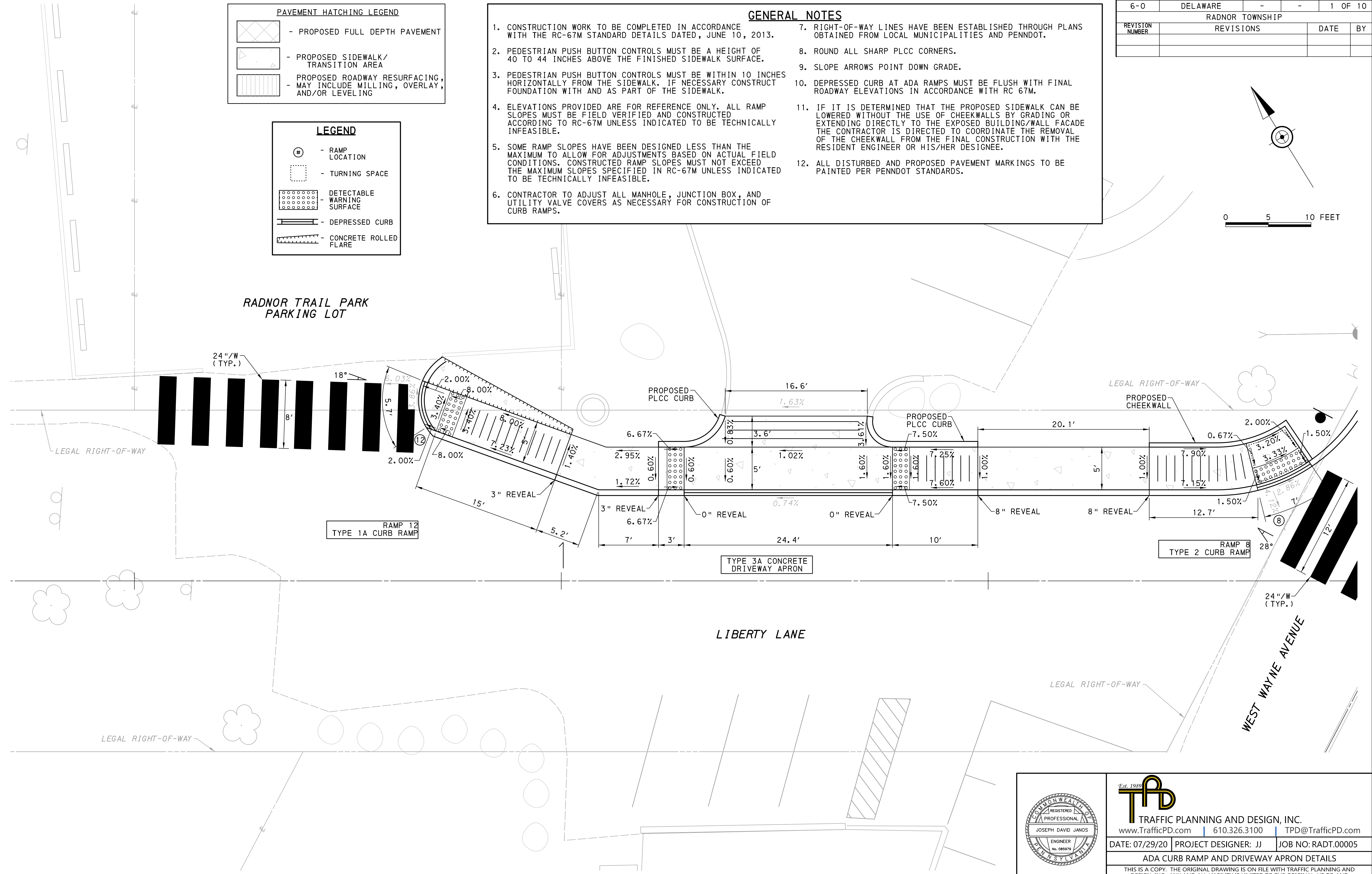
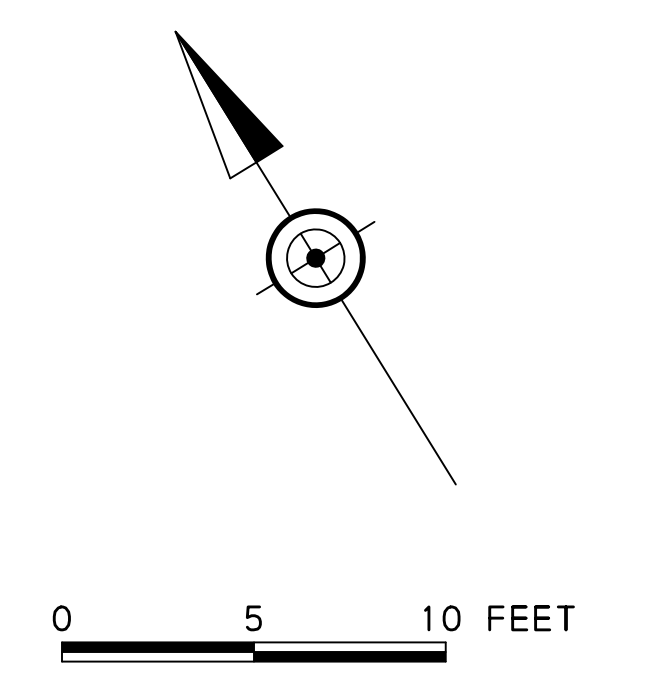
PAVEMENT HATCHING LEGEND

| | |
|--|---|
| | - PROPOSED FULL DEPTH PAVEMENT |
| | - PROPOSED SIDEWALK/TRANSITION AREA |
| | - PROPOSED ROADWAY RESURFACING, MAY INCLUDE MILLING, OVERLAY, AND/OR LEVELING |

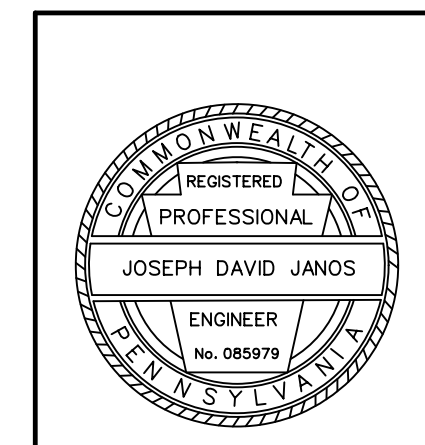
LEGEND

| | |
|--|------------------------------|
| | - RAMP LOCATION |
| | - TURNING SPACE |
| | - DETECTABLE WARNING SURFACE |
| | - DEPRESSED CURB |
| | - CONCRETE ROLLED FLARE |

- GENERAL NOTES**
- CONSTRUCTION WORK TO BE COMPLETED IN ACCORDANCE WITH THE RC-67M STANDARD DETAILS DATED, JUNE 10, 2013.
 - PEDESTRIAN PUSH BUTTON CONTROLS MUST BE A HEIGHT OF 40 TO 44 INCHES ABOVE THE FINISHED SIDEWALK SURFACE.
 - PEDESTRIAN PUSH BUTTON CONTROLS MUST BE WITHIN 10 INCHES HORIZONTALLY FROM THE SIDEWALK. IF NECESSARY CONSTRUCT FOUNDATION WITH AND AS PART OF THE SIDEWALK.
 - ELEVATIONS PROVIDED ARE FOR REFERENCE ONLY. ALL RAMP SLOPES MUST BE FIELD VERIFIED AND CONSTRUCTED ACCORDING TO RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
 - SOME RAMP SLOPES HAVE BEEN DESIGNED LESS THAN THE MAXIMUM TO ALLOW FOR ADJUSTMENTS BASED ON ACTUAL FIELD CONDITIONS. CONSTRUCTED RAMP SLOPES MUST NOT EXCEED THE MAXIMUM SLOPES SPECIFIED IN RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
 - CONTRACTOR TO ADJUST ALL MANHOLE, JUNCTION BOX, AND UTILITY VALVE COVERS AS NECESSARY FOR CONSTRUCTION OF CURB RAMPS.
 - RIGHT-OF-WAY LINES HAVE BEEN ESTABLISHED THROUGH PLANS OBTAINED FROM LOCAL MUNICIPALITIES AND PENNDOT.
 - ROUND ALL SHARP PLCC CORNERS.
 - SLOPE ARROWS POINT DOWN GRADE.
 - DEPRESSED CURB AT ADA RAMPS MUST BE FLUSH WITH FINAL ROADWAY ELEVATIONS IN ACCORDANCE WITH RC 67M.
 - IF IT IS DETERMINED THAT THE PROPOSED SIDEWALK CAN BE LOWERED WITHOUT THE USE OF CHEEKWALLS BY GRADING OR EXTENDING DIRECTLY TO THE EXPOSED BUILDING/WALL FACADE THE CONTRACTOR IS DIRECTED TO COORDINATE THE REMOVAL OF THE CHEEKWALL FROM THE FINAL CONSTRUCTION WITH THE RESIDENT ENGINEER OR HIS/HER DESIGNEE.
 - ALL DISTURBED AND PROPOSED PAVEMENT MARKINGS TO BE PAINTED PER PENNDOT STANDARDS.



c:\pwork\trng\proj\ectw\se\1\do\l\173763\WMod01.dgn
 7/29/2020 4:02:48 PM 1:5:00001 ldxyle



TPD
 EST. 1989
TRAFFIC PLANNING AND DESIGN, INC.
 www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com

DATE: 07/29/20 PROJECT DESIGNER: JJ JOB NO: RADT.00005

ADA CURB RAMP AND DRIVEWAY APRON DETAILS

THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.

| | | | | |
|-----------------|-----------|-------|---------|---------|
| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
| 6-0 | DELAWARE | - | - | 2 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |

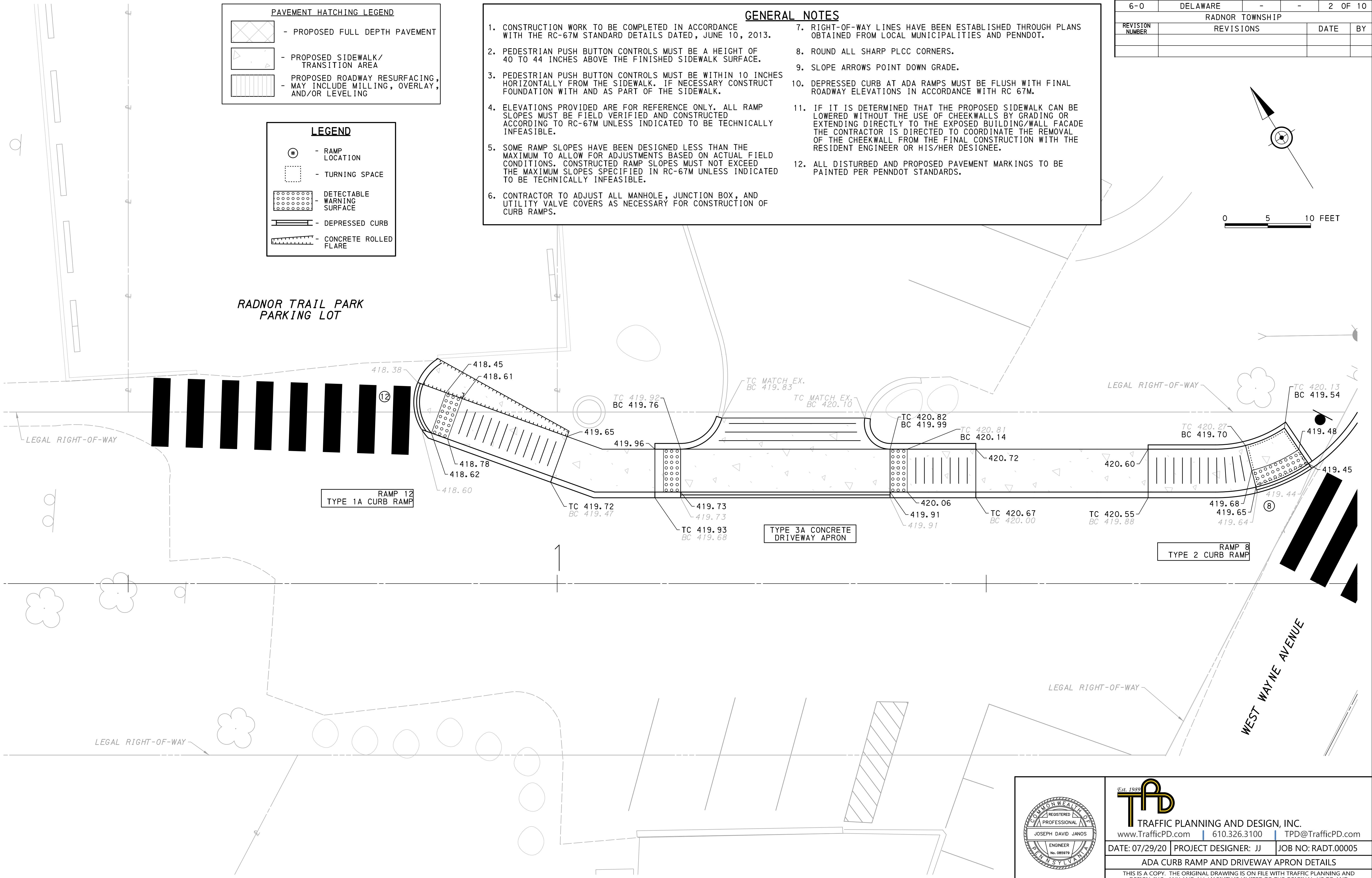
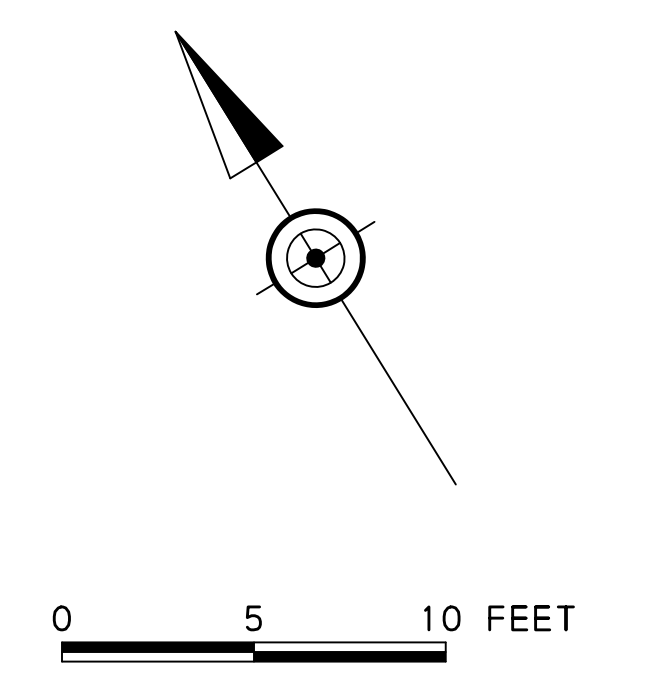
PAVEMENT HATCHING LEGEND

| | |
|--|---|
| | - PROPOSED FULL DEPTH PAVEMENT |
| | - PROPOSED SIDEWALK/TRANSITION AREA |
| | - PROPOSED ROADWAY RESURFACING, MAY INCLUDE MILLING, OVERLAY, AND/OR LEVELING |

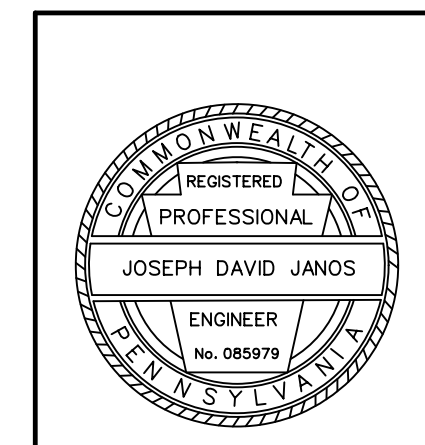
LEGEND

| | |
|--|------------------------------|
| | - RAMP LOCATION |
| | - TURNING SPACE |
| | - DETECTABLE WARNING SURFACE |
| | - DEPRESSED CURB |
| | - CONCRETE ROLLED FLARE |

- GENERAL NOTES**
- CONSTRUCTION WORK TO BE COMPLETED IN ACCORDANCE WITH THE RC-67M STANDARD DETAILS DATED, JUNE 10, 2013.
 - PEDESTRIAN PUSH BUTTON CONTROLS MUST BE A HEIGHT OF 40 TO 44 INCHES ABOVE THE FINISHED SIDEWALK SURFACE.
 - PEDESTRIAN PUSH BUTTON CONTROLS MUST BE WITHIN 10 INCHES HORIZONTALLY FROM THE SIDEWALK. IF NECESSARY CONSTRUCT FOUNDATION WITH AND AS PART OF THE SIDEWALK.
 - ELEVATIONS PROVIDED ARE FOR REFERENCE ONLY. ALL RAMP SLOPES MUST BE FIELD VERIFIED AND CONSTRUCTED ACCORDING TO RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
 - SOME RAMP SLOPES HAVE BEEN DESIGNED LESS THAN THE MAXIMUM TO ALLOW FOR ADJUSTMENTS BASED ON ACTUAL FIELD CONDITIONS. CONSTRUCTED RAMP SLOPES MUST NOT EXCEED THE MAXIMUM SLOPES SPECIFIED IN RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
 - CONTRACTOR TO ADJUST ALL MANHOLE, JUNCTION BOX, AND UTILITY VALVE COVERS AS NECESSARY FOR CONSTRUCTION OF CURB RAMPS.
 - RIGHT-OF-WAY LINES HAVE BEEN ESTABLISHED THROUGH PLANS OBTAINED FROM LOCAL MUNICIPALITIES AND PENNDOT.
 - ROUND ALL SHARP PLCC CORNERS.
 - SLOPE ARROWS POINT DOWN GRADE.
 - DEPRESSED CURB AT ADA RAMPS MUST BE FLUSH WITH FINAL ROADWAY ELEVATIONS IN ACCORDANCE WITH RC 67M.
 - IF IT IS DETERMINED THAT THE PROPOSED SIDEWALK CAN BE LOWERED WITHOUT THE USE OF CHEEKWALLS BY GRADING OR EXTENDING DIRECTLY TO THE EXPOSED BUILDING/WALL FACADE THE CONTRACTOR IS DIRECTED TO COORDINATE THE REMOVAL OF THE CHEEKWALL FROM THE FINAL CONSTRUCTION WITH THE RESIDENT ENGINEER OR HIS/HER DESIGNEE.
 - ALL DISTURBED AND PROPOSED PAVEMENT MARKINGS TO BE PAINTED PER PENNDOT STANDARDS.



c:\pwork\proj\proj\ectw\se\1\do\1\173763\Mod02.dgn
 7/29/2020 4:02:58 PM 1:5:00001 .ldx1e

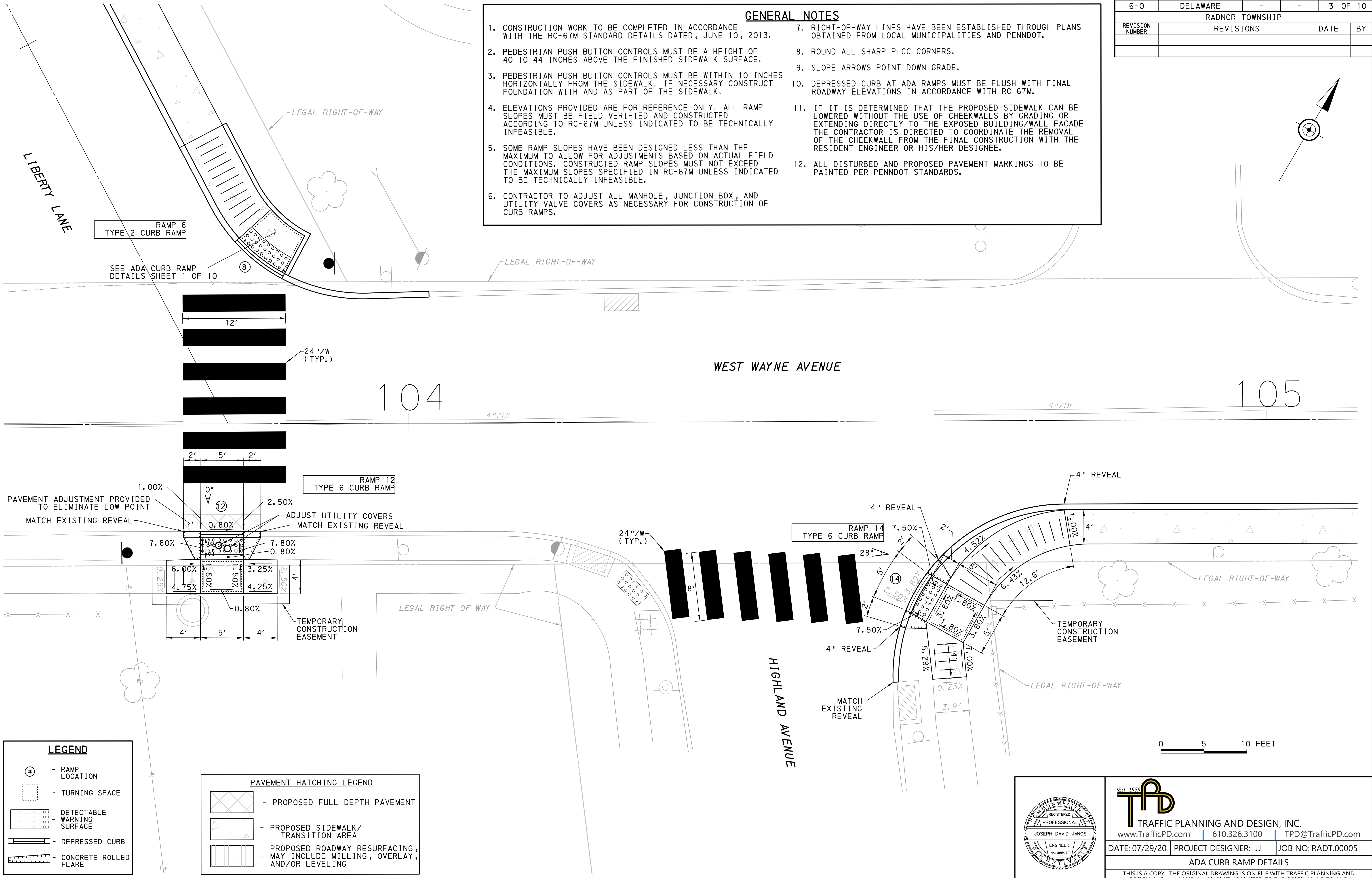
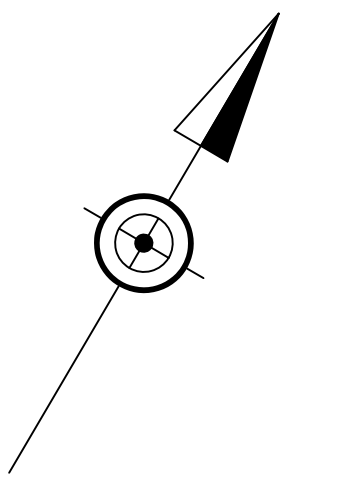


Est. 1989
TPD
 TRAFFIC PLANNING AND DESIGN, INC.
 www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com
 DATE: 07/29/20 PROJECT DESIGNER: JJ JOB NO: RADT.00005
ADA CURB RAMP AND DRIVEWAY APRON DETAILS
 THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.

| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
|-----------------|-----------|-------|---------|---------|
| 6-0 | DELAWARE | - | - | 3 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |

GENERAL NOTES

- CONSTRUCTION WORK TO BE COMPLETED IN ACCORDANCE WITH THE RC-67M STANDARD DETAILS DATED, JUNE 10, 2013.
- PEDESTRIAN PUSH BUTTON CONTROLS MUST BE A HEIGHT OF 40 TO 44 INCHES ABOVE THE FINISHED SIDEWALK SURFACE.
- PEDESTRIAN PUSH BUTTON CONTROLS MUST BE WITHIN 10 INCHES HORIZONTALLY FROM THE SIDEWALK. IF NECESSARY CONSTRUCT FOUNDATION WITH AND AS PART OF THE SIDEWALK.
- ELEVATIONS PROVIDED ARE FOR REFERENCE ONLY. ALL RAMP SLOPES MUST BE FIELD VERIFIED AND CONSTRUCTED ACCORDING TO RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
- SOME RAMP SLOPES HAVE BEEN DESIGNED LESS THAN THE MAXIMUM TO ALLOW FOR ADJUSTMENTS BASED ON ACTUAL FIELD CONDITIONS. CONSTRUCTED RAMP SLOPES MUST NOT EXCEED THE MAXIMUM SLOPES SPECIFIED IN RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
- CONTRACTOR TO ADJUST ALL MANHOLE, JUNCTION BOX, AND UTILITY VALVE COVERS AS NECESSARY FOR CONSTRUCTION OF CURB RAMP.
- RIGHT-OF-WAY LINES HAVE BEEN ESTABLISHED THROUGH PLANS OBTAINED FROM LOCAL MUNICIPALITIES AND PENNDOT.
- ROUND ALL SHARP PLCC CORNERS.
- SLOPE ARROWS POINT DOWN GRADE.
- DEPRESSED CURB AT ADA RAMP MUST BE FLUSH WITH FINAL ROADWAY ELEVATIONS IN ACCORDANCE WITH RC 67M.
- IF IT IS DETERMINED THAT THE PROPOSED SIDEWALK CAN BE LOWERED WITHOUT THE USE OF CHEEKWALLS BY GRADING OR EXTENDING DIRECTLY TO THE EXPOSED BUILDING/WALL FACADE THE CONTRACTOR IS DIRECTED TO COORDINATE THE REMOVAL OF THE CHEEKWALL FROM THE FINAL CONSTRUCTION WITH THE RESIDENT ENGINEER OR HIS/HER DESIGNEE.
- ALL DISTURBED AND PROPOSED PAVEMENT MARKINGS TO BE PAINTED PER PENNDOT STANDARDS.



RAMP 8
TYPE 2 CURB RAMP

SEE ADA CURB RAMP
DETAILS SHEET 1 OF 10

24" W
(TYP.)

WEST WAYNE AVENUE

RAMP 12
TYPE 6 CURB RAMP

RAMP 14
TYPE 6 CURB RAMP

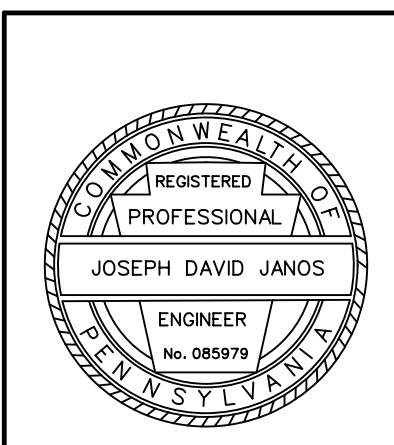
HIGHLAND AVENUE

LEGEND

- ⊕ - RAMP LOCATION
- - TURNING SPACE
- ◻ (with dots) - DETECTABLE WARNING SURFACE
- ▬ (with hatching) - DEPRESSED CURB
- ▬ (with dashed line) - CONCRETE ROLLED FLARE

PAVEMENT HATCHING LEGEND

- ▬ (with diagonal hatching) - PROPOSED FULL DEPTH PAVEMENT
- ▬ (with triangle hatching) - PROPOSED SIDEWALK/ TRANSITION AREA
- ▬ (with vertical hatching) - PROPOSED ROADWAY RESURFACING, MAY INCLUDE MILLING, OVERLAY, AND/OR LEVELING



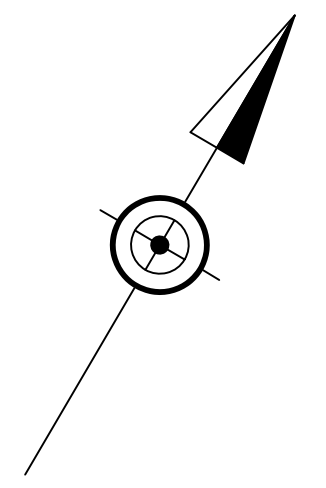
Est. 1989
TPD
TRAFFIC PLANNING AND DESIGN, INC.
www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com
DATE: 07/29/20 | PROJECT DESIGNER: JJ | JOB NO: RADT.00005
ADA CURB RAMP DETAILS
THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.

c:\pwork\ltp\proj\ectw\se\1\do\l\dl\1173763\W\00003.dgn 7/29/2020 4:03:08 PM 1:5:00001 .ldx18

| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
|-----------------|-----------|-------|---------|---------|
| 6-0 | DELAWARE | - | - | 4 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |

GENERAL NOTES

- CONSTRUCTION WORK TO BE COMPLETED IN ACCORDANCE WITH THE RC-67M STANDARD DETAILS DATED, JUNE 10, 2013.
- PEDESTRIAN PUSH BUTTON CONTROLS MUST BE A HEIGHT OF 40 TO 44 INCHES ABOVE THE FINISHED SIDEWALK SURFACE.
- PEDESTRIAN PUSH BUTTON CONTROLS MUST BE WITHIN 10 INCHES HORIZONTALLY FROM THE SIDEWALK. IF NECESSARY CONSTRUCT FOUNDATION WITH AND AS PART OF THE SIDEWALK.
- ELEVATIONS PROVIDED ARE FOR REFERENCE ONLY. ALL RAMP SLOPES MUST BE FIELD VERIFIED AND CONSTRUCTED ACCORDING TO RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
- SOME RAMP SLOPES HAVE BEEN DESIGNED LESS THAN THE MAXIMUM TO ALLOW FOR ADJUSTMENTS BASED ON ACTUAL FIELD CONDITIONS. CONSTRUCTED RAMP SLOPES MUST NOT EXCEED THE MAXIMUM SLOPES SPECIFIED IN RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
- CONTRACTOR TO ADJUST ALL MANHOLE, JUNCTION BOX, AND UTILITY VALVE COVERS AS NECESSARY FOR CONSTRUCTION OF CURB RAMPS.
- RIGHT-OF-WAY LINES HAVE BEEN ESTABLISHED THROUGH PLANS OBTAINED FROM LOCAL MUNICIPALITIES AND PENNDOT.
- ROUND ALL SHARP PLCC CORNERS.
- SLOPE ARROWS POINT DOWN GRADE.
- DEPRESSED CURB AT ADA RAMPS MUST BE FLUSH WITH FINAL ROADWAY ELEVATIONS IN ACCORDANCE WITH RC 67M.
- IF IT IS DETERMINED THAT THE PROPOSED SIDEWALK CAN BE LOWERED WITHOUT THE USE OF CHEEKWALLS BY GRADING OR EXTENDING DIRECTLY TO THE EXPOSED BUILDING/WALL FACADE THE CONTRACTOR IS DIRECTED TO COORDINATE THE REMOVAL OF THE CHEEKWALL FROM THE FINAL CONSTRUCTION WITH THE RESIDENT ENGINEER OR HIS/HER DESIGNEE.
- ALL DISTURBED AND PROPOSED PAVEMENT MARKINGS TO BE PAINTED PER PENNDOT STANDARDS.



LIBERTY LANE

RAMP 8
TYPE 2 CURB RAMP

SEE ADA CURB RAMP
DETAILS SHEET 2 OF 10

LEGAL RIGHT-OF-WAY

WEST WAYNE AVENUE

104

105

RAMP 12
TYPE 2 CURB RAMP

RAMP 14
TYPE 6 CURB RAMP

419.22
419.21
419.18
419.22
419.47
419.43
419.56
419.71
419.72
419.53
419.49

418.27
418.31
419.03
419.12
419.31
419.58
419.59
TC 419.08
BC 418.75
418.83
419.02
TC 419.41
BC 419.08
419.22
TC MATCH EX.
BC 419.39

LEGAL RIGHT-OF-WAY

LEGAL RIGHT-OF-WAY

TEMPORARY
CONSTRUCTION
EASEMENT

TEMPORARY
CONSTRUCTION
EASEMENT

HIGHLAND AVENUE

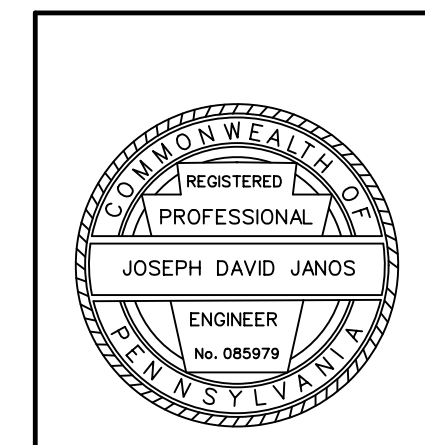
0 5 10 FEET

LEGEND

- # - RAMP LOCATION
- TURNING SPACE
- DETECTABLE WARNING SURFACE
- DEPRESSED CURB
- CONCRETE ROLLED FLARE

PAVEMENT HATCHING LEGEND

- PROPOSED FULL DEPTH PAVEMENT
- PROPOSED SIDEWALK/ TRANSITION AREA
- PROPOSED ROADWAY RESURFACING, MAY INCLUDE MILLING, OVERLAY, AND/OR LEVELING



Est. 1989
TPD
TRAFFIC PLANNING AND DESIGN, INC.
www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com
DATE: 07/29/20 PROJECT DESIGNER: JJ JOB NO: RADT.00005
ADA CURB RAMP DETAILS
THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.

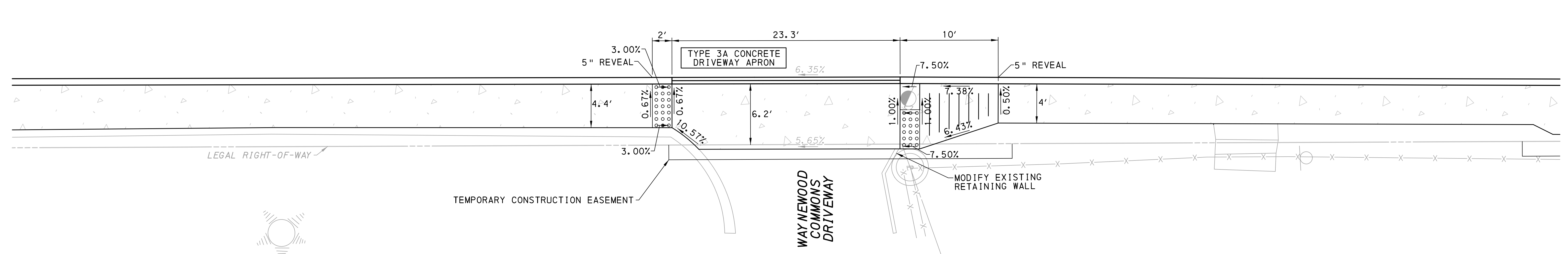
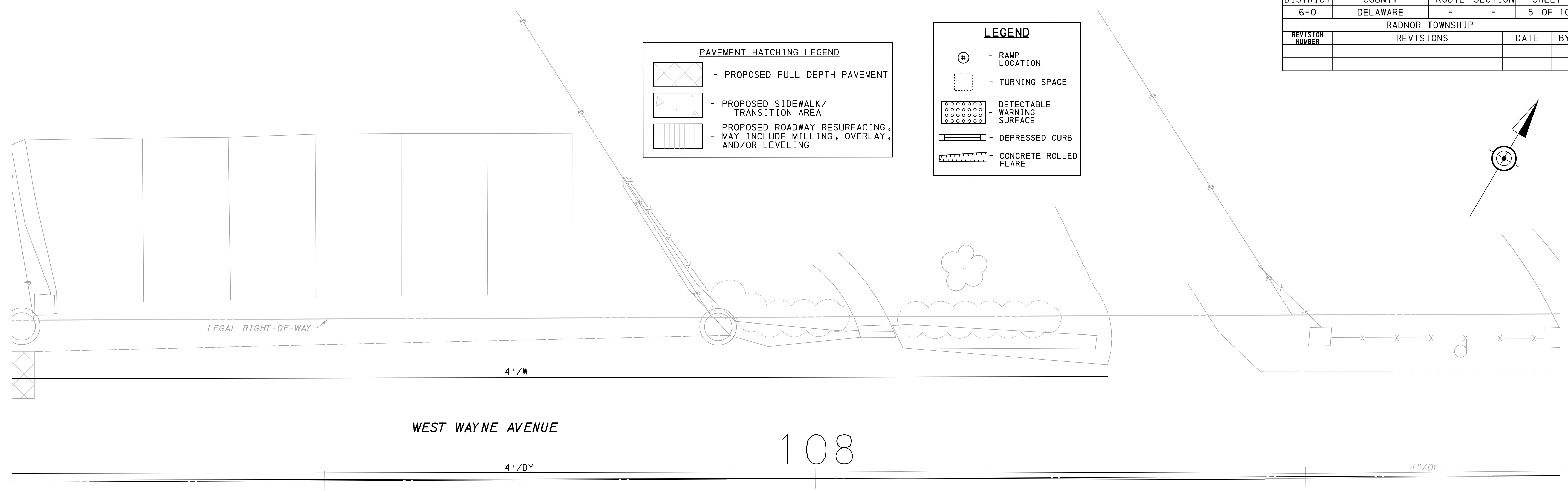
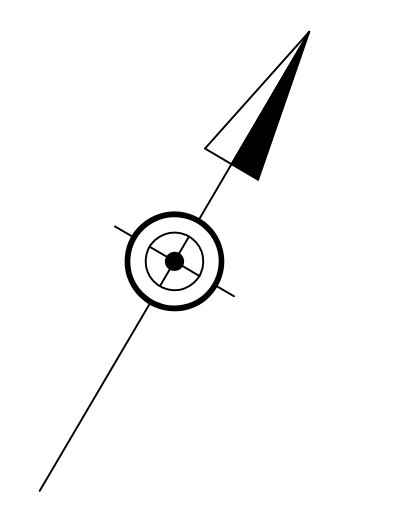
c:\pwork\k\proj\ect\wise\do\ed\1173763\W00004.dgn 7/29/2020 4:03:18 PM 1:5,00001 .cdw

DRN BY: TF

| | | | | |
|-----------------|-----------|-------|---------|---------|
| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
| 6-0 | DELAWARE | - | - | 5 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |

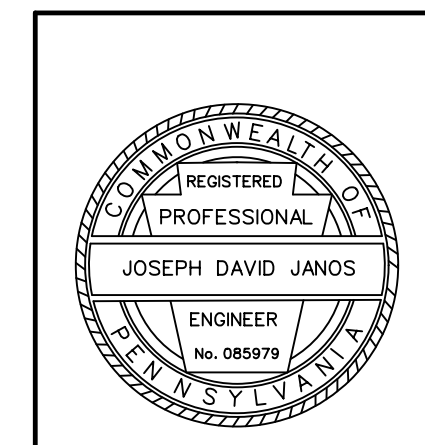
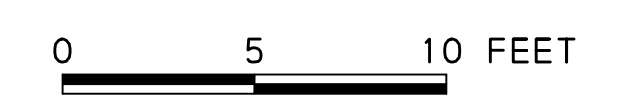
| PAVEMENT HATCHING LEGEND | |
|--------------------------|---|
| | - PROPOSED FULL DEPTH PAVEMENT |
| | - PROPOSED SIDEWALK/TRANSITION AREA |
| | - PROPOSED ROADWAY RESURFACING, MAY INCLUDE MILLING, OVERLAY, AND/OR LEVELING |

| LEGEND | |
|--------|------------------------------|
| | - RAMP LOCATION |
| | - TURNING SPACE |
| | - DETECTABLE WARNING SURFACE |
| | - DEPRESSED CURB |
| | - CONCRETE ROLLED FLARE |



GENERAL NOTES

- CONSTRUCTION WORK TO BE COMPLETED IN ACCORDANCE WITH THE RC-67M STANDARD DETAILS DATED, JUNE 10, 2013.
- PEDESTRIAN PUSH BUTTON CONTROLS MUST BE A HEIGHT OF 40 TO 44 INCHES ABOVE THE FINISHED SIDEWALK SURFACE.
- PEDESTRIAN PUSH BUTTON CONTROLS MUST BE WITHIN 10 INCHES HORIZONTALLY FROM THE SIDEWALK. IF NECESSARY CONSTRUCT FOUNDATION WITH AND AS PART OF THE SIDEWALK.
- ELEVATIONS PROVIDED ARE FOR REFERENCE ONLY. ALL RAMP SLOPES MUST BE FIELD VERIFIED AND CONSTRUCTED ACCORDING TO RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
- SOME RAMP SLOPES HAVE BEEN DESIGNED LESS THAN THE MAXIMUM TO ALLOW FOR ADJUSTMENTS BASED ON ACTUAL FIELD CONDITIONS. CONSTRUCTED RAMP SLOPES MUST NOT EXCEED THE MAXIMUM SLOPES SPECIFIED IN RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
- CONTRACTOR TO ADJUST ALL MANHOLE, JUNCTION BOX, AND UTILITY VALVE COVERS AS NECESSARY FOR CONSTRUCTION OF CURB RAMPS.
- RIGHT-OF-WAY LINES HAVE BEEN ESTABLISHED THROUGH PLANS OBTAINED FROM LOCAL MUNICIPALITIES AND PENNDOT.
- ROUND ALL SHARP PLCC CORNERS.
- SLOPE ARROWS POINT DOWN GRADE.
- DEPRESSED CURB AT ADA RAMPS MUST BE FLUSH WITH FINAL ROADWAY ELEVATIONS IN ACCORDANCE WITH RC 67M.
- IF IT IS DETERMINED THAT THE PROPOSED SIDEWALK CAN BE LOWERED WITHOUT THE USE OF CHEEKWALLS BY GRADING OR EXTENDING DIRECTLY TO THE EXPOSED BUILDING/WALL FACADE THE CONTRACTOR IS DIRECTED TO COORDINATE THE REMOVAL OF THE CHEEKWALL FROM THE FINAL CONSTRUCTION WITH THE RESIDENT ENGINEER OR HIS/HER DESIGNEE.
- ALL DISTURBED AND PROPOSED PAVEMENT MARKINGS TO BE PAINTED PER PENNDOT STANDARDS.



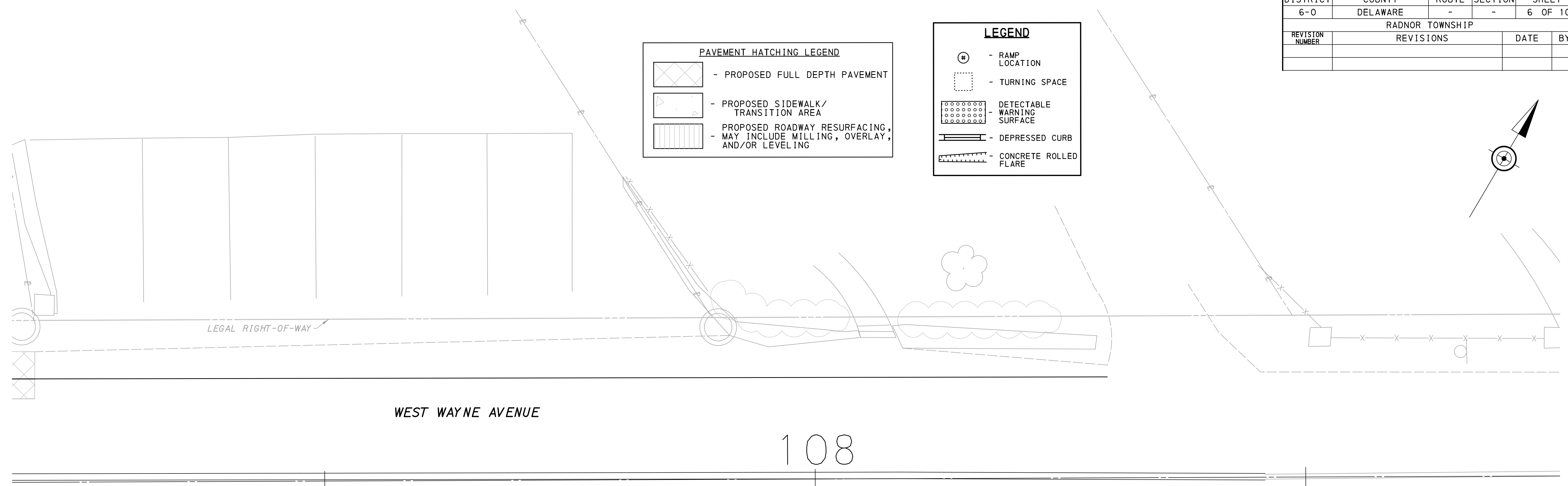
Est. 1989
TPD
TRAFFIC PLANNING AND DESIGN, INC.
 www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com
 DATE: 07/29/20 | PROJECT DESIGNER: JJ | JOB NO: RADT.00005
ADA DRIVEWAY APRON DETAILS
 THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.

c:\pwork\trng\proj\ectw\ee\do\ed\1173763\WMod005.dgn
 7/29/2020 4:03:30 PM 1:5, 00001
 lcbx18

| | | | | |
|-----------------|-----------|-------|---------|---------|
| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
| 6-0 | DELAWARE | - | - | 6 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |

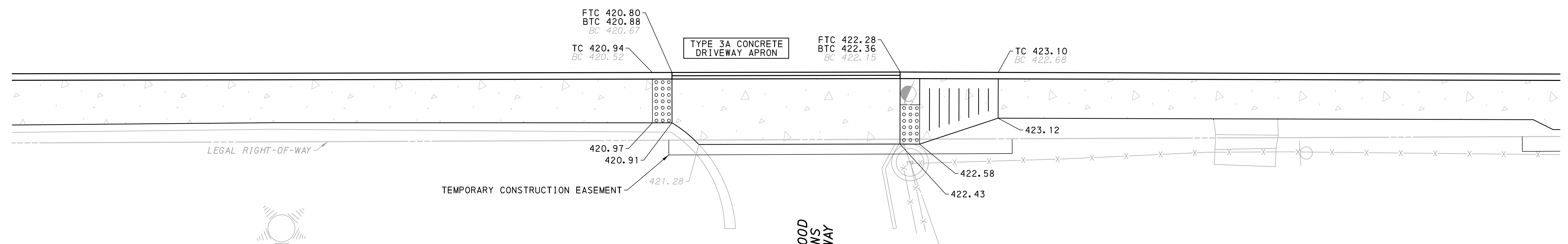
| PAVEMENT HATCHING LEGEND | |
|--------------------------|---|
| | - PROPOSED FULL DEPTH PAVEMENT |
| | - PROPOSED SIDEWALK/ TRANSITION AREA |
| | - PROPOSED ROADWAY RESURFACING, MAY INCLUDE MILLING, OVERLAY, AND/OR LEVELING |

| LEGEND | |
|--------|------------------------------|
| | - RAMP LOCATION |
| | - TURNING SPACE |
| | - DETECTABLE WARNING SURFACE |
| | - DEPRESSED CURB |
| | - CONCRETE ROLLED FLARE |



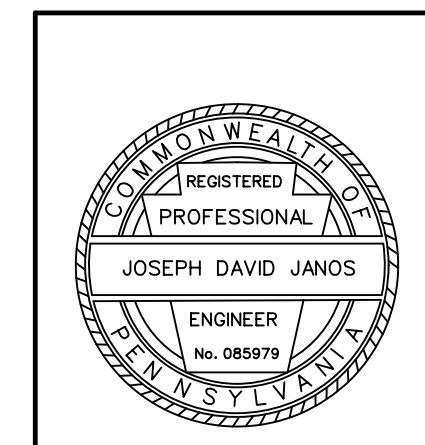
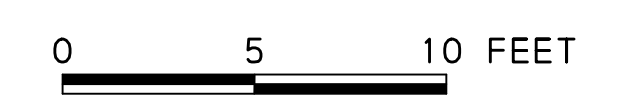
WEST WAYNE AVENUE

108



GENERAL NOTES

- CONSTRUCTION WORK TO BE COMPLETED IN ACCORDANCE WITH THE RC-67M STANDARD DETAILS DATED, JUNE 10, 2013.
- PEDESTRIAN PUSH BUTTON CONTROLS MUST BE A HEIGHT OF 40 TO 44 INCHES ABOVE THE FINISHED SIDEWALK SURFACE.
- PEDESTRIAN PUSH BUTTON CONTROLS MUST BE WITHIN 10 INCHES HORIZONTALLY FROM THE SIDEWALK. IF NECESSARY CONSTRUCT FOUNDATION WITH AND AS PART OF THE SIDEWALK.
- ELEVATIONS PROVIDED ARE FOR REFERENCE ONLY. ALL RAMP SLOPES MUST BE FIELD VERIFIED AND CONSTRUCTED ACCORDING TO RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
- SOME RAMP SLOPES HAVE BEEN DESIGNED LESS THAN THE MAXIMUM TO ALLOW FOR ADJUSTMENTS BASED ON ACTUAL FIELD CONDITIONS. CONSTRUCTED RAMP SLOPES MUST NOT EXCEED THE MAXIMUM SLOPES SPECIFIED IN RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
- CONTRACTOR TO ADJUST ALL MANHOLE, JUNCTION BOX, AND UTILITY VALVE COVERS AS NECESSARY FOR CONSTRUCTION OF CURB RAMPS.
- RIGHT-OF-WAY LINES HAVE BEEN ESTABLISHED THROUGH PLANS OBTAINED FROM LOCAL MUNICIPALITIES AND PENNDOT.
- ROUND ALL SHARP PLCC CORNERS.
- SLOPE ARROWS POINT DOWN GRADE.
- DEPRESSED CURB AT ADA RAMPS MUST BE FLUSH WITH FINAL ROADWAY ELEVATIONS IN ACCORDANCE WITH RC 67M.
- IF IT IS DETERMINED THAT THE PROPOSED SIDEWALK CAN BE LOWERED WITHOUT THE USE OF CHEEKWALLS BY GRADING OR EXTENDING DIRECTLY TO THE EXPOSED BUILDING/WALL FACADE THE CONTRACTOR IS DIRECTED TO COORDINATE THE REMOVAL OF THE CHEEKWALL FROM THE FINAL CONSTRUCTION WITH THE RESIDENT ENGINEER OR HIS/HER DESIGNEE.
- ALL DISTURBED AND PROPOSED PAVEMENT MARKINGS TO BE PAINTED PER PENNDOT STANDARDS.



Est. 1989
TPD
 TRAFFIC PLANNING AND DESIGN, INC.
 www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com
 DATE: 07/29/20 | PROJECT DESIGNER: JJ | JOB NO: RADT.00005
ADA DRIVEWAY APRON DETAILS
 THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.

c:\pwork\trng\proj\ectw\ese\1\do\1\173763\WMod06.dgn
 7/29/2020 4:03:41 PM 1:5:00001 jdy18

DRN BY: TF

| | | | | |
|-----------------|-----------|-------|---------|---------|
| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
| 6-0 | DELAWARE | - | - | 7 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |

GENERAL NOTES

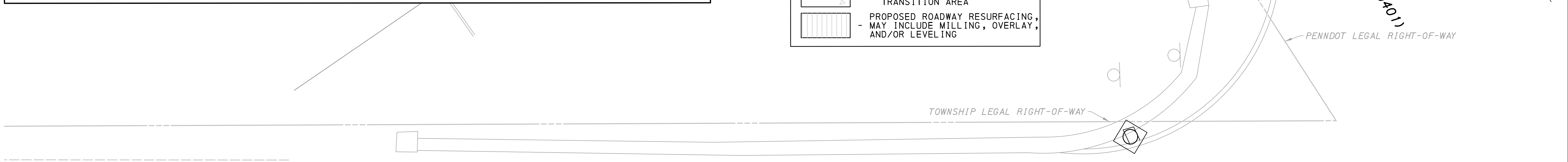
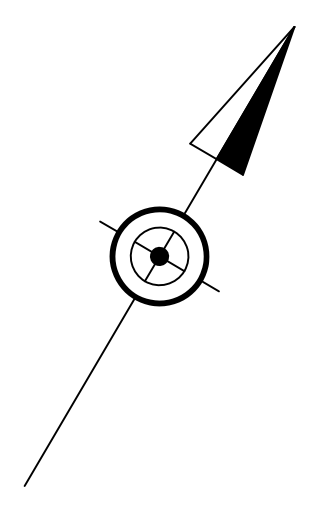
- CONSTRUCTION WORK TO BE COMPLETED IN ACCORDANCE WITH THE RC-67M STANDARD DETAILS DATED, JUNE 10, 2013.
- PEDESTRIAN PUSH BUTTON CONTROLS MUST BE A HEIGHT OF 40 TO 44 INCHES ABOVE THE FINISHED SIDEWALK SURFACE.
- PEDESTRIAN PUSH BUTTON CONTROLS MUST BE WITHIN 10 INCHES HORIZONTALLY FROM THE SIDEWALK. IF NECESSARY CONSTRUCT FOUNDATION WITH AND AS PART OF THE SIDEWALK.
- ELEVATIONS PROVIDED ARE FOR REFERENCE ONLY. ALL RAMP SLOPES MUST BE FIELD VERIFIED AND CONSTRUCTED ACCORDING TO RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
- SOME RAMP SLOPES HAVE BEEN DESIGNED LESS THAN THE MAXIMUM TO ALLOW FOR ADJUSTMENTS BASED ON ACTUAL FIELD CONDITIONS. CONSTRUCTED RAMP SLOPES MUST NOT EXCEED THE MAXIMUM SLOPES SPECIFIED IN RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
- CONTRACTOR TO ADJUST ALL MANHOLE, JUNCTION BOX, AND UTILITY VALVE COVERS AS NECESSARY FOR CONSTRUCTION OF CURB RAMP.
- RIGHT-OF-WAY LINES HAVE BEEN ESTABLISHED THROUGH PLANS OBTAINED FROM LOCAL MUNICIPALITIES AND PENNDOT.
- ROUND ALL SHARP PLCC CORNERS.
- SLOPE ARROWS POINT DOWN GRADE.
- DEPRESSED CURB AT ADA RAMP MUST BE FLUSH WITH FINAL ROADWAY ELEVATIONS IN ACCORDANCE WITH RC 67M.
- IF IT IS DETERMINED THAT THE PROPOSED SIDEWALK CAN BE LOWERED WITHOUT THE USE OF CHEEKWALLS BY GRADING OR EXTENDING DIRECTLY TO THE EXPOSED BUILDING/WALL FACADE THE CONTRACTOR IS DIRECTED TO COORDINATE THE REMOVAL OF THE CHEEKWALL FROM THE FINAL CONSTRUCTION WITH THE RESIDENT ENGINEER OR HIS/HER DESIGNEE.
- ALL DISTURBED AND PROPOSED PAVEMENT MARKINGS TO BE PAINTED PER PENNDOT STANDARDS.

LEGEND

- RAMP LOCATION
- TURNING SPACE
- DETECTABLE WARNING SURFACE
- DEPRESSED CURB
- CONCRETE ROLLED FLARE

PAVEMENT HATCHING LEGEND

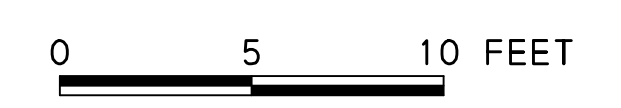
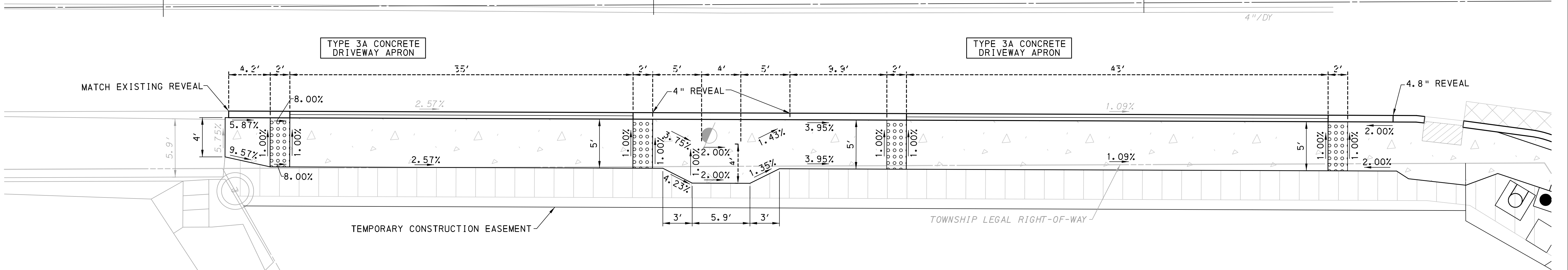
- PROPOSED FULL DEPTH PAVEMENT
- PROPOSED SIDEWALK/TRANSITION AREA
- PROPOSED ROADWAY RESURFACING, MAY INCLUDE MILLING, OVERLAY, AND/OR LEVELING



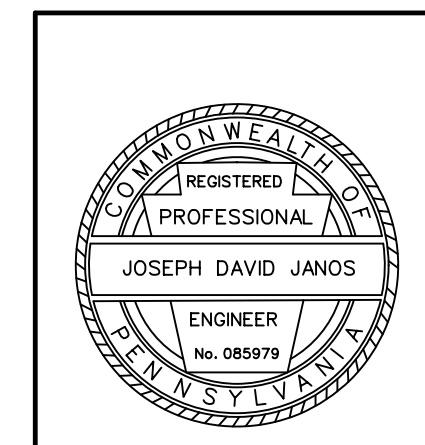
WEST WAYNE AVENUE

110

111



c:\pwork\eng\proj\ectw\ee\1\do\1173763\W04007.dgn 7/29/2020 4:03:52 PM 1:5:00001 .ldx18



Est. 1989
TPD
TRAFFIC PLANNING AND DESIGN, INC.
 www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com
 DATE: 07/29/20 | PROJECT DESIGNER: JJ | JOB NO: RADT.00005
ADA DRIVEWAY APRON DETAILS
 THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.
 DRN BY: TF

| | | | | |
|-----------------|-----------|-------|---------|---------|
| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
| 6-0 | DELAWARE | - | - | 8 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |

GENERAL NOTES

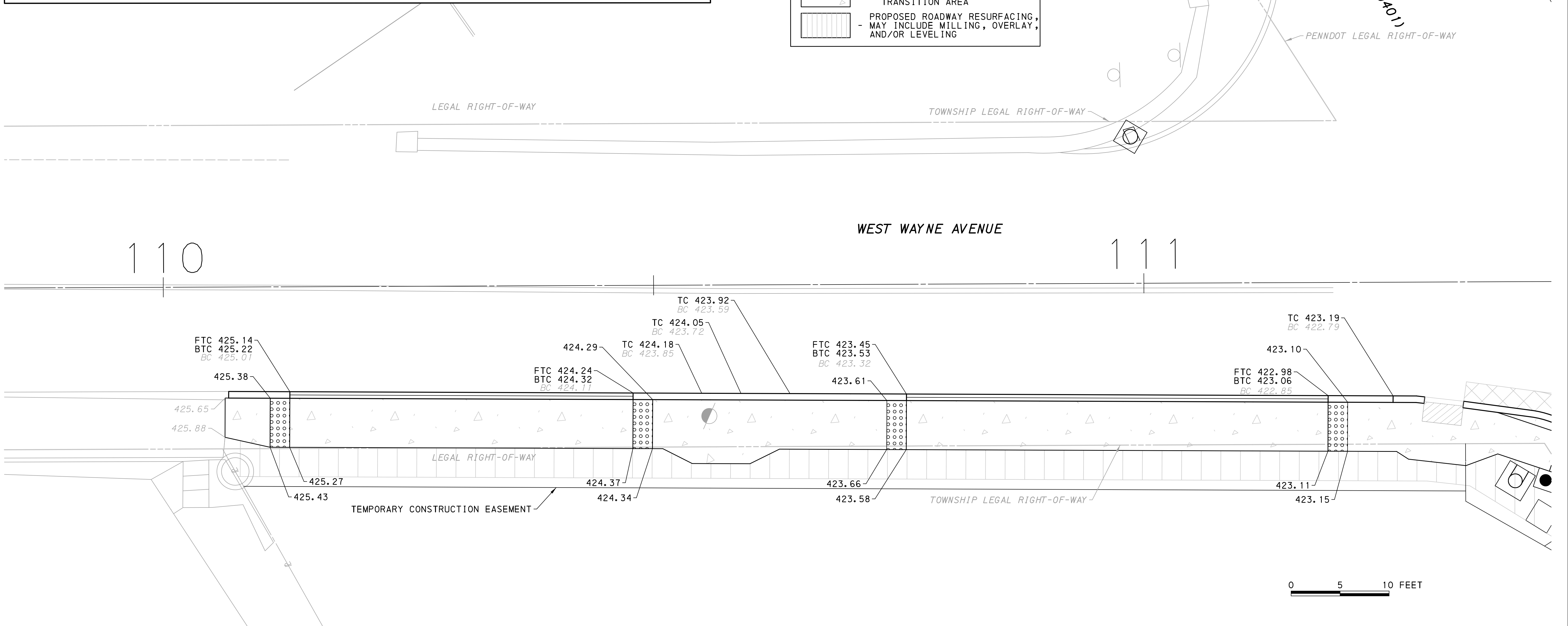
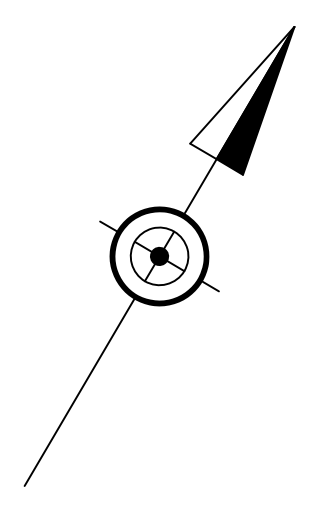
- CONSTRUCTION WORK TO BE COMPLETED IN ACCORDANCE WITH THE RC-67M STANDARD DETAILS DATED, JUNE 10, 2013.
- PEDESTRIAN PUSH BUTTON CONTROLS MUST BE A HEIGHT OF 40 TO 44 INCHES ABOVE THE FINISHED SIDEWALK SURFACE.
- PEDESTRIAN PUSH BUTTON CONTROLS MUST BE WITHIN 10 INCHES HORIZONTALLY FROM THE SIDEWALK. IF NECESSARY CONSTRUCT FOUNDATION WITH AND AS PART OF THE SIDEWALK.
- ELEVATIONS PROVIDED ARE FOR REFERENCE ONLY. ALL RAMP SLOPES MUST BE FIELD VERIFIED AND CONSTRUCTED ACCORDING TO RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
- SOME RAMP SLOPES HAVE BEEN DESIGNED LESS THAN THE MAXIMUM TO ALLOW FOR ADJUSTMENTS BASED ON ACTUAL FIELD CONDITIONS. CONSTRUCTED RAMP SLOPES MUST NOT EXCEED THE MAXIMUM SLOPES SPECIFIED IN RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
- CONTRACTOR TO ADJUST ALL MANHOLE, JUNCTION BOX, AND UTILITY VALVE COVERS AS NECESSARY FOR CONSTRUCTION OF CURB RAMP.
- RIGHT-OF-WAY LINES HAVE BEEN ESTABLISHED THROUGH PLANS OBTAINED FROM LOCAL MUNICIPALITIES AND PENNDOT.
- ROUND ALL SHARP PLCC CORNERS.
- SLOPE ARROWS POINT DOWN GRADE.
- DEPRESSED CURB AT ADA RAMP MUST BE FLUSH WITH FINAL ROADWAY ELEVATIONS IN ACCORDANCE WITH RC 67M.
- IF IT IS DETERMINED THAT THE PROPOSED SIDEWALK CAN BE LOWERED WITHOUT THE USE OF CHEEKWALLS BY GRADING OR EXTENDING DIRECTLY TO THE EXPOSED BUILDING/WALL FACADE THE CONTRACTOR IS DIRECTED TO COORDINATE THE REMOVAL OF THE CHEEKWALL FROM THE FINAL CONSTRUCTION WITH THE RESIDENT ENGINEER OR HIS/HER DESIGNEE.
- ALL DISTURBED AND PROPOSED PAVEMENT MARKINGS TO BE PAINTED PER PENNDOT STANDARDS.

LEGEND

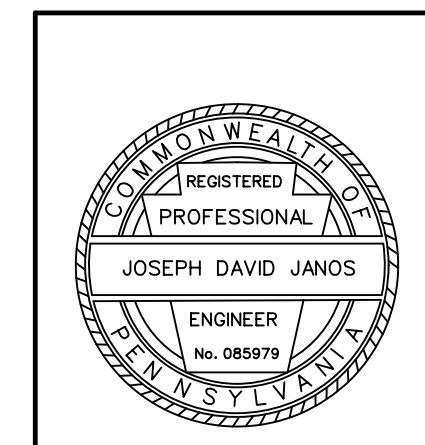
- RAMP LOCATION
- TURNING SPACE
- DETECTABLE WARNING SURFACE
- DEPRESSED CURB
- CONCRETE ROLLED FLARE

PAVEMENT HATCHING LEGEND

- PROPOSED FULL DEPTH PAVEMENT
- PROPOSED SIDEWALK/TRANSITION AREA
- PROPOSED ROADWAY RESURFACING, MAY INCLUDE MILLING, OVERLAY, AND/OR LEVELING

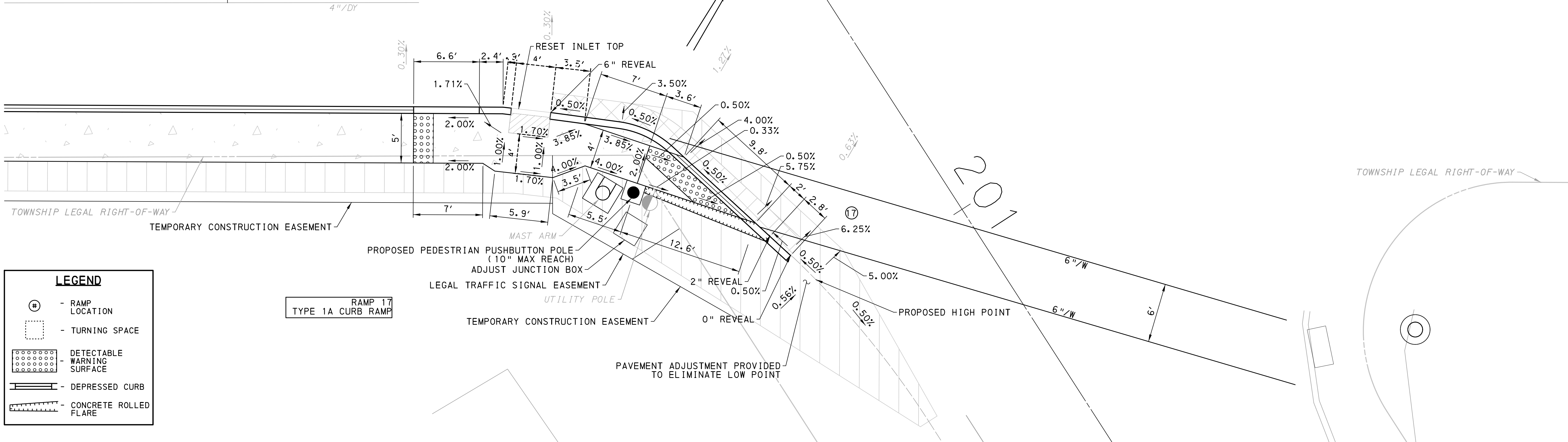
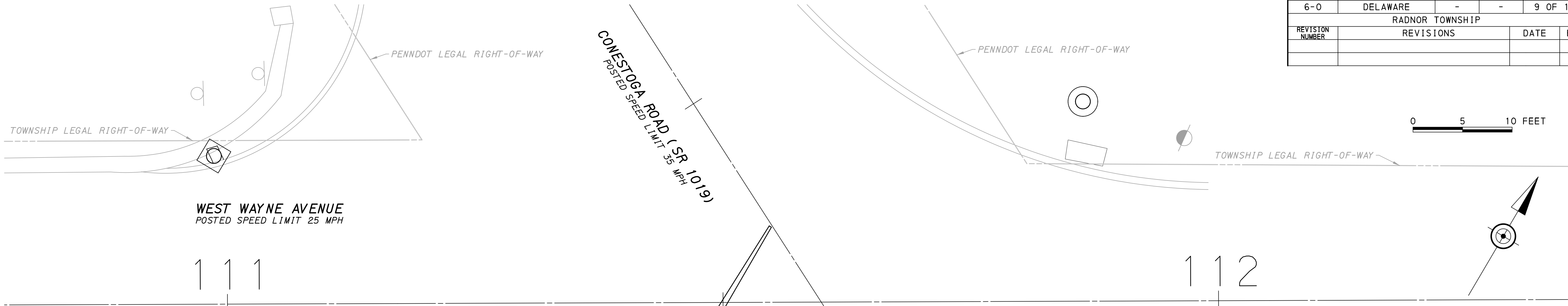
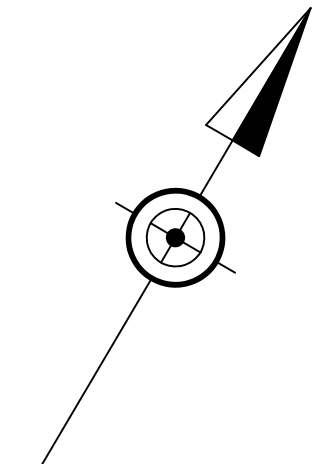


c:\pwork\proj\proj\ectw\se\do\ed\1173763\WMod08.dgn
 7/29/2020 4:04:02 PM 1:5:00001 .ldxyle



Est. 1989
TPD
 TRAFFIC PLANNING AND DESIGN, INC.
 www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com
 DATE: 07/29/20 PROJECT DESIGNER: JJ JOB NO: RADT.00005
ADA DRIVEWAY APRON DETAILS
 THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.

| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
|-----------------|-----------|-------|---------|---------|
| 6-0 | DELAWARE | - | - | 9 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |

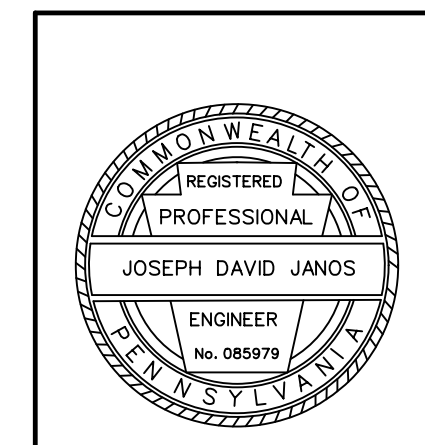


| LEGEND | |
|--------|------------------------------|
| | - RAMP LOCATION |
| | - TURNING SPACE |
| | - DETECTABLE WARNING SURFACE |
| | - DEPRESSED CURB |
| | - CONCRETE ROLLED FLARE |

RAMP 17
TYPE 1A CURB RAMP

| PAVEMENT HATCHING LEGEND | |
|--------------------------|---|
| | - PROPOSED FULL DEPTH PAVEMENT |
| | - PROPOSED SIDEWALK/TRANSITION AREA |
| | - PROPOSED ROADWAY RESURFACING, MAY INCLUDE MILLING, OVERLAY, AND/OR LEVELING |

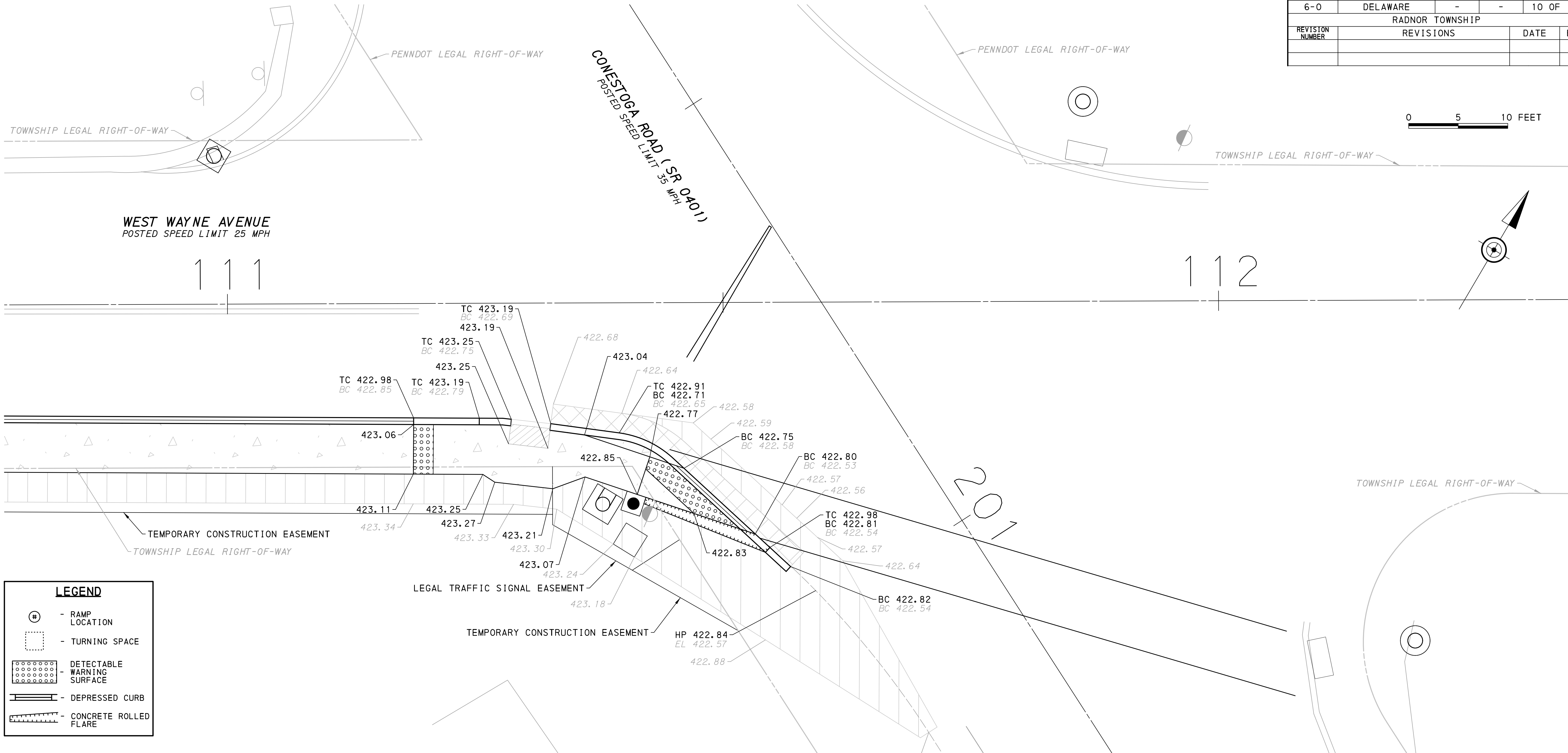
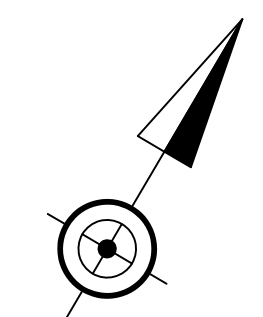
- GENERAL NOTES**
- CONSTRUCTION WORK TO BE COMPLETED IN ACCORDANCE WITH THE RC-67M STANDARD DETAILS DATED, JUNE 10, 2013.
 - PEDESTRIAN PUSH BUTTON CONTROLS MUST BE A HEIGHT OF 40 TO 44 INCHES ABOVE THE FINISHED SIDEWALK SURFACE.
 - PEDESTRIAN PUSH BUTTON CONTROLS MUST BE WITHIN 10 INCHES HORIZONTALLY FROM THE SIDEWALK. IF NECESSARY CONSTRUCT FOUNDATION WITH AND AS PART OF THE SIDEWALK.
 - ELEVATIONS PROVIDED ARE FOR REFERENCE ONLY. ALL RAMP SLOPES MUST BE FIELD VERIFIED AND CONSTRUCTED ACCORDING TO RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
 - SOME RAMP SLOPES HAVE BEEN DESIGNED LESS THAN THE MAXIMUM TO ALLOW FOR ADJUSTMENTS BASED ON ACTUAL FIELD CONDITIONS. CONSTRUCTED RAMP SLOPES MUST NOT EXCEED THE MAXIMUM SLOPES SPECIFIED IN RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
 - CONTRACTOR TO ADJUST ALL MANHOLE, JUNCTION BOX, AND UTILITY VALVE COVERS AS NECESSARY FOR CONSTRUCTION OF CURB RAMPS.
 - RIGHT-OF-WAY LINES HAVE BEEN ESTABLISHED THROUGH PLANS OBTAINED FROM LOCAL MUNICIPALITIES AND PENNDOT.
 - ROUND ALL SHARP PLCC CORNERS.
 - SLOPE ARROWS POINT DOWN GRADE.
 - DEPRESSED CURB AT ADA RAMPS MUST BE FLUSH WITH FINAL ROADWAY ELEVATIONS IN ACCORDANCE WITH RC 67M.
 - IF IT IS DETERMINED THAT THE PROPOSED SIDEWALK CAN BE LOWERED WITHOUT THE USE OF CHEEKWALLS BY GRADING OR EXTENDING DIRECTLY TO THE EXPOSED BUILDING/WALL FACADE THE CONTRACTOR IS DIRECTED TO COORDINATE THE REMOVAL OF THE CHEEKWALL FROM THE FINAL CONSTRUCTION WITH THE RESIDENT ENGINEER OR HIS/HER DESIGNEE.
 - ALL DISTURBED AND PROPOSED PAVEMENT MARKINGS TO BE PAINTED PER PENNDOT STANDARDS.



Est. 1989
TPD
TRAFFIC PLANNING AND DESIGN, INC.
www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com
DATE: 07/29/20 | PROJECT DESIGNER: JJ | JOB NO: RADT.00005
ADA CURB RAMP DETAILS
THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.

c:\pwworking\tpd\project\1173763\1173763.dwg 11:55:00 07/29/2020

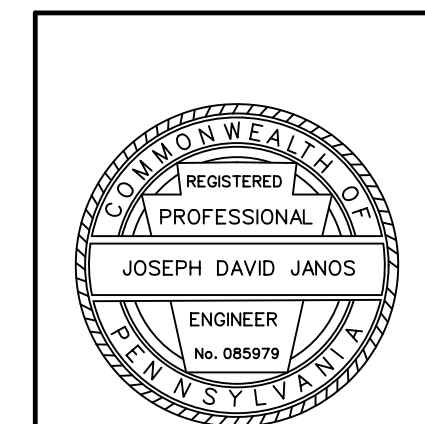
| DISTRICT | COUNTY | ROUTE | SECTION | SHEET |
|-----------------|-----------|-------|---------|----------|
| 6-0 | DELAWARE | - | - | 10 OF 10 |
| RADNOR TOWNSHIP | | | | |
| REVISION NUMBER | REVISIONS | DATE | BY | |
| | | | | |



| LEGEND | |
|--------|------------------------------|
| | - RAMP LOCATION |
| | - TURNING SPACE |
| | - DETECTABLE WARNING SURFACE |
| | - DEPRESSED CURB |
| | - CONCRETE ROLLED FLARE |

| PAVEMENT HATCHING LEGEND | |
|--------------------------|---|
| | - PROPOSED FULL DEPTH PAVEMENT |
| | - PROPOSED SIDEWALK/TRANSITION AREA |
| | - PROPOSED ROADWAY RESURFACING, MAY INCLUDE MILLING, OVERLAY, AND/OR LEVELING |

- GENERAL NOTES**
- CONSTRUCTION WORK TO BE COMPLETED IN ACCORDANCE WITH THE RC-67M STANDARD DETAILS DATED, JUNE 10, 2013.
 - PEDESTRIAN PUSH BUTTON CONTROLS MUST BE A HEIGHT OF 40 TO 44 INCHES ABOVE THE FINISHED SIDEWALK SURFACE.
 - PEDESTRIAN PUSH BUTTON CONTROLS MUST BE WITHIN 10 INCHES HORIZONTALLY FROM THE SIDEWALK. IF NECESSARY CONSTRUCT FOUNDATION WITH AND AS PART OF THE SIDEWALK.
 - ELEVATIONS PROVIDED ARE FOR REFERENCE ONLY. ALL RAMP SLOPES MUST BE FIELD VERIFIED AND CONSTRUCTED ACCORDING TO RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
 - SOME RAMP SLOPES HAVE BEEN DESIGNED LESS THAN THE MAXIMUM TO ALLOW FOR ADJUSTMENTS BASED ON ACTUAL FIELD CONDITIONS. CONSTRUCTED RAMP SLOPES MUST NOT EXCEED THE MAXIMUM SLOPES SPECIFIED IN RC-67M UNLESS INDICATED TO BE TECHNICALLY INFEASIBLE.
 - CONTRACTOR TO ADJUST ALL MANHOLE, JUNCTION BOX, AND UTILITY VALVE COVERS AS NECESSARY FOR CONSTRUCTION OF CURB RAMP.
 - RIGHT-OF-WAY LINES HAVE BEEN ESTABLISHED THROUGH PLANS OBTAINED FROM LOCAL MUNICIPALITIES AND PENNDOT.
 - ROUND ALL SHARP PLCC CORNERS.
 - SLOPE ARROWS POINT DOWN GRADE.
 - DEPRESSED CURB AT ADA RAMPS MUST BE FLUSH WITH FINAL ROADWAY ELEVATIONS IN ACCORDANCE WITH RC 67M.
 - IF IT IS DETERMINED THAT THE PROPOSED SIDEWALK CAN BE LOWERED WITHOUT THE USE OF CHEEKWALLS BY GRADING OR EXTENDING DIRECTLY TO THE EXPOSED BUILDING/WALL FACADE THE CONTRACTOR IS DIRECTED TO COORDINATE THE REMOVAL OF THE CHEEKWALL FROM THE FINAL CONSTRUCTION WITH THE RESIDENT ENGINEER OR HIS/HER DESIGNEE.
 - ALL DISTURBED AND PROPOSED PAVEMENT MARKINGS TO BE PAINTED PER PENNDOT STANDARDS.



TPD
TRAFFIC PLANNING AND DESIGN, INC.

www.TrafficPD.com | 610.326.3100 | TPD@TrafficPD.com

DATE: 07/29/20 | PROJECT DESIGNER: JJ | JOB NO: RADT.00005

ADA CURB RAMP DETAILS

THIS IS A COPY. THE ORIGINAL DRAWING IS ON FILE WITH TRAFFIC PLANNING AND DESIGN, INC. ANY AND ALL LIABILITY IS LIMITED TO THE ORIGINAL, UP TO AND INCLUDING THE LAST REVISIONS.

c:\pwworking\tpd\project\673\63\MMRadat10.dgn 11:50:00AM 7/29/2020

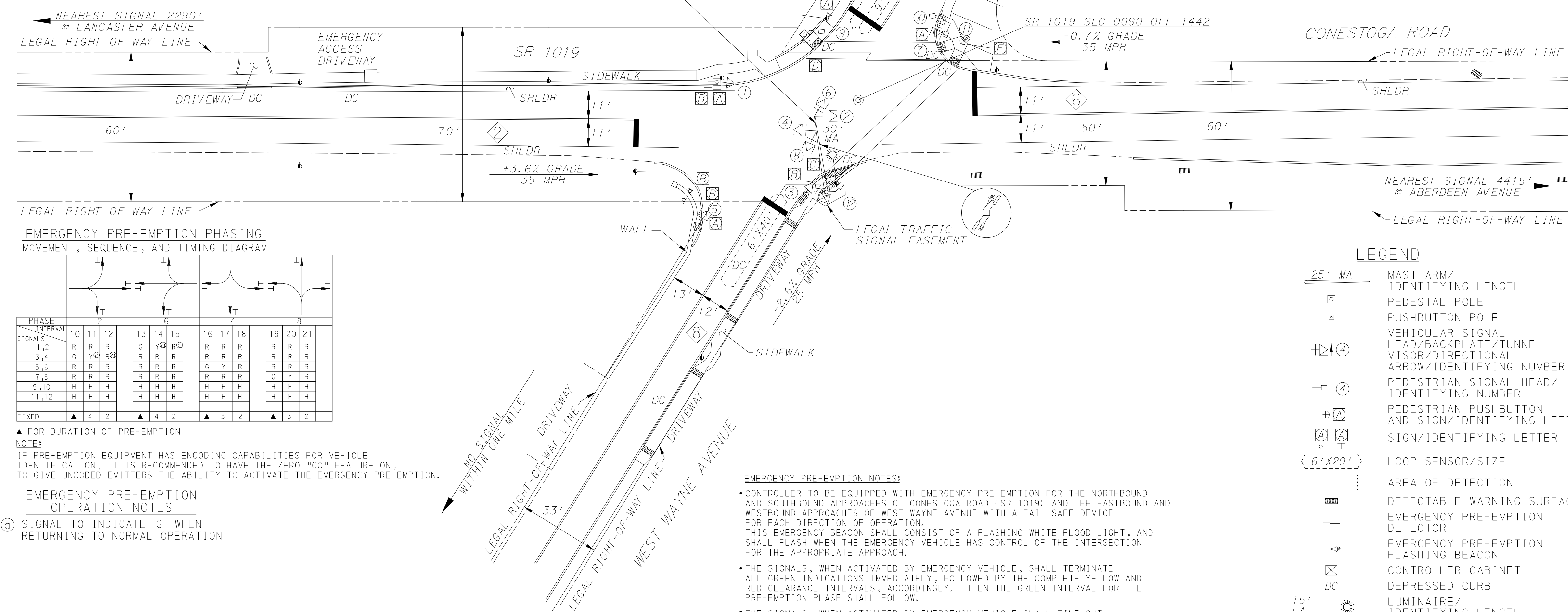
MOVEMENT, SEQUENCE AND TIMING DIAGRAM

| | | | | | | | | | | |
|---------|--------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|
| | 2+6 | | | PEDESTRIAN* | | | 4+8 | | | FLASH |
| PHASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| SIGNALS | 1,2 | G Y R | R R R | R R R | R R R | R R R | R R R | R R R | R R R | Y |
| | 3,4 | G Y R | R R R | R R R | R R R | R R R | R R R | R R R | R R R | Y |
| | 5,6 | R R R | R R R | R R R | R R R | R R R | G Y R | R R R | R R R | R |
| | 7,8 | R R R | R R R | R R R | R R R | R R R | G Y R | R R R | R R R | R |
| | 9,10* | H H H | H H H | M FH H | H H H | H H H | H H H | H H H | H H H | OFF |
| | 11,12* | H H H | H H H | M FH H | H H H | H H H | H H H | H H H | H H H | OFF |

- SIGNAL TO REMAIN IN PHASE 2+6 UNTIL ACTUATED BY PHASE 4+8 OR PEDESTRIAN.
- MAX. 1 TO OPERATE FROM 6 AM TO 9 PM.
MAX. 2 TO OPERATE AT ALL OTHER TIMES.
- PEDESTRIAN COUNTDOWN TIMER TO COUNTDOWN DURING FLASHING HAND INTERVAL

| | | | | | | | | | | | |
|-------------|----|---|---|----|----|---|----|--|--|----|---|
| FIXED | | 4 | 2 | | | | | | | 3 | 2 |
| MINIMUM | | | | | | | | | | 6 | |
| PASSAGE | | | | | | | | | | 4 | |
| MAX. 1 | 40 | | | | | | | | | 20 | |
| MAX. 2 | 20 | | | | | | | | | 20 | |
| PEDESTRIAN* | - | | | 9 | 17 | 3 | | | | - | |
| MEMORY | MX | | | NL | | | NL | | | | |

* MAN SYMBOL AND PEDESTRIAN PHASE UPON PEDESTRIAN ACTUATION ONLY, OTHERWISE HAND SYMBOL AT ALL TIMES.



EMERGENCY PRE-EMPTION PHASING
MOVEMENT, SEQUENCE, AND TIMING DIAGRAM

| | | | | | | | | | | | | |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 2 | | | 6 | | | 4 | | | 8 | | |
| PHASE | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| SIGNALS | 1,2 | R R R | R R R | G Y R | R R R | R R R | R R R | R R R | R R R | R R R | R R R | R R R |
| | 3,4 | G Y R | R R R | R R R | R R R | R R R | R R R | R R R | R R R | R R R | R R R | R R R |
| | 5,6 | R R R | R R R | R R R | R R R | R R R | G Y R | R R R | R R R | R R R | R R R | R R R |
| | 7,8 | R R R | R R R | R R R | R R R | R R R | R R R | G Y R | R R R | R R R | R R R | R R R |
| | 9,10 | H H H | H H H | H H H | H H H | H H H | H H H | H H H | H H H | H H H | H H H | H H H |
| | 11,12 | H H H | H H H | H H H | H H H | H H H | H H H | H H H | H H H | H H H | H H H | H H H |
| FIXED | ▲ | 4 | 2 | ▲ | 4 | 2 | ▲ | 3 | 2 | ▲ | 3 | 2 |

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

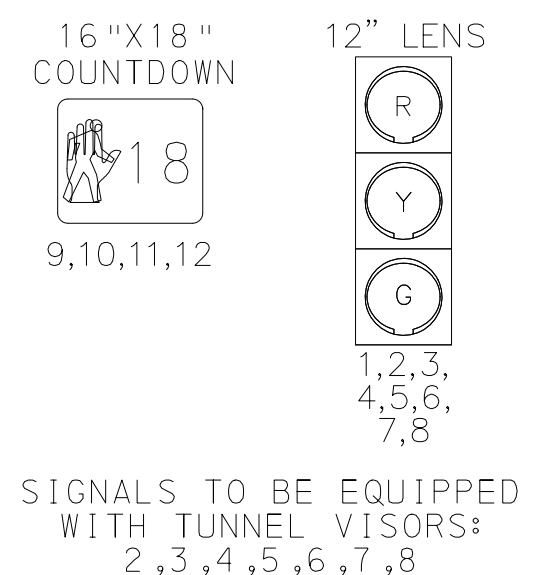
EMERGENCY PRE-EMPTION
OPERATION NOTES
ⓐ SIGNAL TO INDICATE G WHEN RETURNING TO NORMAL OPERATION

SIGN TABULATION

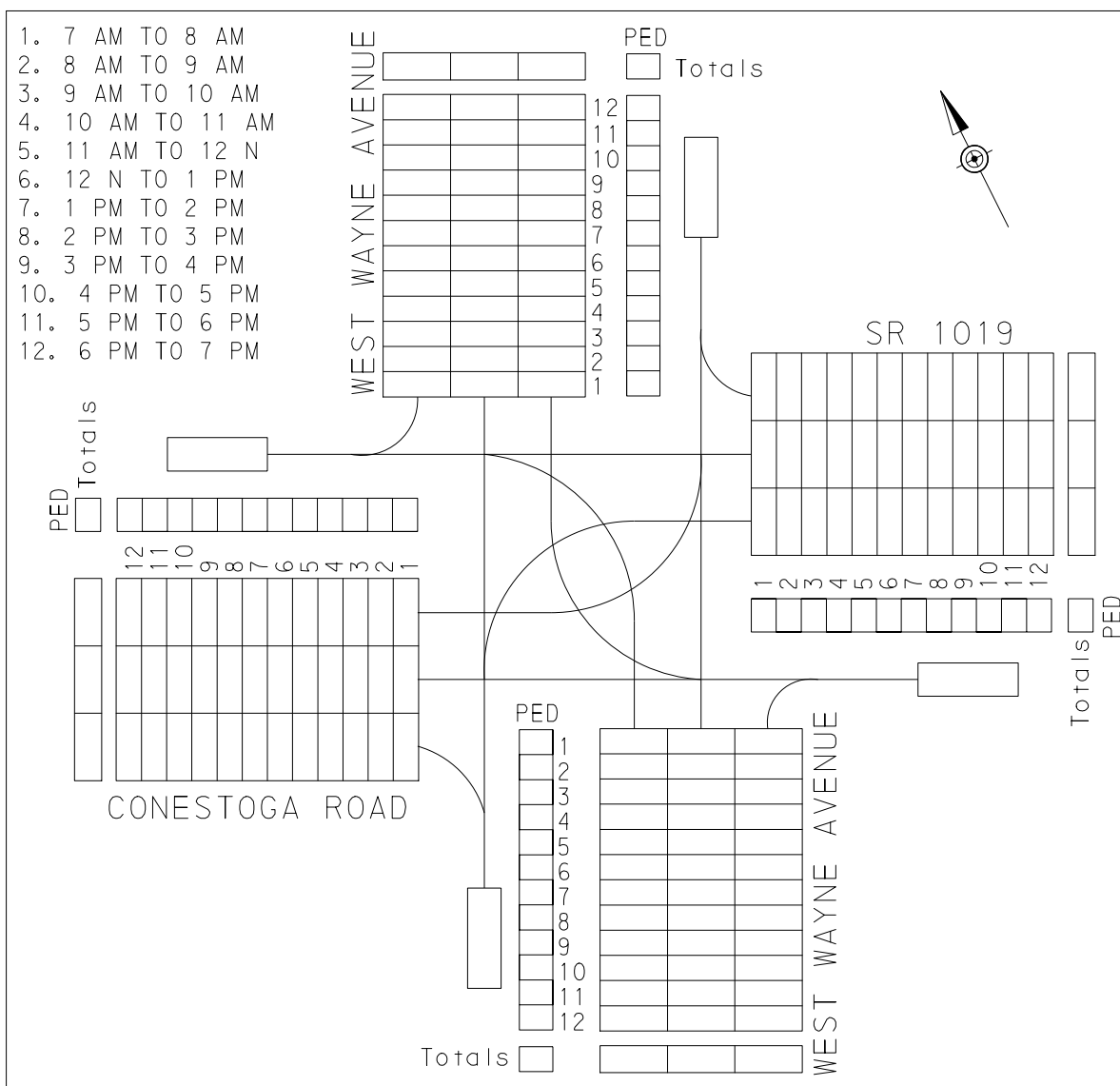
| PLAN SYMBOL | SERIES | SIZE | DESCRIPTION |
|-------------|---------|---------|---|
| ⓐ | R10-11 | 24"x30" | NO TURN ON RED ● |
| ⓑ | R9-3 | 18"x18" | NO PEDESTRIAN CROSSING SIGN |
| ⓒ | R10-3E | 9"x15" | EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER SIGN ← |
| ⓓ | R10-3E | 9"x15" | EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER SIGN → |
| ⓔ | R10-3E* | 9"x15" | EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER SIGN |

*OMIT ARROW SYMBOL

SIGNAL INDICATIONS



- EMERGENCY PRE-EMPTION NOTES:
- CONTROLLER TO BE EQUIPPED WITH EMERGENCY PRE-EMPTION FOR THE NORTHBOUND AND SOUTHBOUND APPROACHES OF CONESTOGA ROAD (SR 1019) AND THE EASTBOUND AND WESTBOUND APPROACHES OF WEST WAYNE AVENUE WITH A FAIL SAFE DEVICE FOR EACH DIRECTION OF OPERATION. THIS EMERGENCY BEACON SHALL CONSIST OF A FLASHING WHITE FLOOD LIGHT, AND SHALL FLASH WHEN THE EMERGENCY VEHICLE HAS CONTROL OF THE INTERSECTION FOR THE APPROPRIATE APPROACH.
 - THE SIGNALS, WHEN ACTIVATED BY EMERGENCY VEHICLE, SHALL TERMINATE ALL GREEN INDICATIONS IMMEDIATELY, FOLLOWED BY THE COMPLETE YELLOW AND RED CLEARANCE INTERVALS, ACCORDINGLY. THEN THE GREEN INTERVAL FOR THE PRE-EMPTION PHASE SHALL FOLLOW.
 - THE SIGNALS, WHEN ACTIVATED BY EMERGENCY VEHICLE SHALL TIME OUT ALL YELLOW AND RED INDICATIONS, FOLLOWED BY THE GREEN INTERVAL OF THE PRE-EMPTION PHASE GOVERNED BY THE APPROACHING EMERGENCY VEHICLE.
 - IF THE SIGNAL HAS BEEN ACTUATED BY A PEDESTRIAN PUSH BUTTON AND THE SIGNAL IS PRE-EMPTED THE PED "WALK (MAN)" INTERVAL SHALL TERMINATE IMMEDIATELY AND THE PED "CLEAR (FLASHING HAND AND COUNTDOWN TIMER)" INTERVAL SHALL TIME OUT THIS INTERVAL FOLLOWED BY THE APPROPRIATE SELECTIVE CLEARANCES BEFORE GOING INTO EMERGENCY PREEMPTION.
 - IF THE SIGNALS, WHEN ACTIVATED BY AN EMERGENCY VEHICLE, ARE FLASHING ALL SIGNALS SHALL REMAIN FLASHING.
 - IF ADDITIONAL PRE-EMPTION PHASES ARE ACTIVATED WHILE IN PRE-EMPTION, THE ORIGINAL PRE-EMPTION PHASE SHALL TIME OUT BEFORE PROCEEDING TO THE NEXT PRE-EMPTION PHASE.
 - UPON COMPLETION OF PRE-EMPTION PHASE 2,4,6 OR 8 IN RETURNING TO NORMAL OPERATION, PHASE 2+6 INTERVAL 1 SHALL FOLLOW.
 - IN EMERGENCY PRE-EMPTION, NO PRIORITY SHALL BE ESTABLISHED, PRE-EMPTION SHALL BE A "FIRST COME, FIRST SERVE" OPERATION.
 - LOCATION OF EMERGENCY VEHICLE DETECTORS ARE TO BE FIELD ADJUSTED TO ACHIEVE MAXIMUM OPERATION.



LEGEND

- 25' MA: MAST ARM/IDENTIFYING LENGTH
- ⓐ: PEDESTAL POLE
- ⓑ: PUSHBUTTON POLE
- ⓐⓑ: VEHICULAR SIGNAL HEAD/BACKPLATE/TUNNEL VISOR/DIRECTIONAL ARROW/IDENTIFYING NUMBER
- ⓐⓑ: PEDESTRIAN SIGNAL HEAD/IDENTIFYING NUMBER
- ⓐⓑ: PEDESTRIAN PUSHBUTTON AND SIGN/IDENTIFYING LETTER
- ⓐⓑ: SIGN/IDENTIFYING LETTER
- 6'x20': LOOP SENSOR/SIZE
- : AREA OF DETECTION
- : DETECTABLE WARNING SURFACE
- ⓐ: EMERGENCY PRE-EMPTION DETECTOR
- ⓐ: EMERGENCY PRE-EMPTION FLASHING BEACON
- ⓐ: CONTROLLER CABINET
- DC: DEPRESSED CURB
- 15' LA: LUMINAIRE/IDENTIFYING LENGTH
- ⓐ: VIDEO DETECTOR
- ⓐ: FISH EYE CAMERA
- ⓐ: STOP BAR RADAR DETECTOR
- ⓐ: ADVANCE RADAR DETECTOR
- ⓐ: COMMUNICATIONS ANTENNA
- ⓐ: FENCE
- ⓐ: GUIDE RAIL
- ⓐ: UTILITY POLE
- ⓐ: PHASE NUMBER

0 25 50 FEET

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
ENGINEERING DISTRICT 6-0

COUNTY: DELAWARE
MUNICIPALITY: RADNOR TOWNSHIP
INTERSECTION: CONESTOGA ROAD (SR 1019) AND WEST WAYNE AVENUE

REVIEWED: _____ DATE _____
MUNICIPAL OFFICIAL _____ DATE _____

RECOMMENDED: _____ DATE _____
MARK KRAY _____ 06/17/87
DATE _____
WERNER J EICHORN _____ 06/17/87
DISTRICT TRAFFIC ENGINEER _____ DATE _____

| NO | REVISION | DES/REVW | DATE | REVW | DATE | RECOM | DATE |
|----|--|----------|----------|------|----------|-------|----------|
| 1 | NEW DWG: ADD PREEMPT, ADA & COUNTDOWN H/M, CLOSE NW CORNER DRY | TPD | 05/16/14 | LUTZ | 05/16/14 | LRB | 05/16/14 |
| 2 | ADD ADA AND PUSHBUTTON AT SE CORNER | TPD | 07/23/20 | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |

SHEET 2 OF 2 PERMIT # 63-0883 FILE # 0883

RESOLUTION NO. 2020-88

**A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY,
PENNSYLVANIA, AWARDING THE CONTRACT FOR ROAD DE-ICING SALT
FOR THE 2020/21 WINTER SEASON TO EASTERN SALT COMPANY,
INCORPORATED**

WHEREAS, Radnor Township annually joins Newtown Township, Delaware County along with nine other municipalities for the purpose of purchasing road de-icing salt

WHEREAS, the Township uses de-icing salt during winter months to treat Township streets for vehicular traffic mobility

NOW, THEREFORE, be it *RESOLVED* the Board of Commissioners of Radnor Township does hereby approve the lowest qualified bidder, Eastern Salt Company, Incorporated, to provide road de-icing salt at the cost of \$50.35 per ton, delivered to the Township.

SO RESOLVED this 10th day of August, A.D., 2020

RADNOR TOWNSHIP

By: _____
Name: Jack Larkin
Title: President

ATTEST: _____
William M. White
Manager/Secretary

Radnor Township
PROPOSED LEGISLATION

DATE: August 10, 2020
TO: Radnor Township Board of Commissioners
CC: William M. White, Township Manager
FROM: Stephen McNelis, Director of Public Works
LEGISLATION: Resolution 2020-88: Award of bid for Road De-Icing Salt for the 2020-21 Winter Season

LEGISLATIVE HISTORY: The Township is part of a de-icing salt consortium administered by Newtown Township, Delaware County. The bids were received by Newtown Township for de-icing salt, per ton, delivered to Radnor Township.

PURPOSE AND EXPLANATION: The Public Works Department is seeking the award of the bid to purchase de-icing salt for the 2020/2021 winter season. This product is bid annually with a consortium of ten municipalities. The lowest bid, submitted by Eastern Salt Company, Incorporated, is \$2.65/ton LESS than last year's price and \$6.30 LESS than the State Contract Price. This year's bid tabulation is as follows:

| | |
|----------------------------|-------------|
| Eastern Salt Company, Inc. | \$50.35/ton |
| Morton Salt, Inc. | \$55.71/ton |
| Cargill Deicing Technology | \$55.76/ton |
| Detroit Salt Company | \$64.68/ton |

The Public Works Department is requesting the Board of Commissioners award the bid to Eastern Salt Company, Incorporated at the cost of \$50.35/ton,

IMPLEMENTATION SCHEDULE: Award of bid by the Board of Commissioners, Requisition processed and Purchase Order Created, De-Icing Salt to be purchased as needed during the winter.

FISCAL IMPACT: De-Icing Salt purchases are funded in the Snow and Ice Removal Operating Supplies Account #01430201-43050.

RECOMMENDED ACTION: I respectfully request the Board of Commissioners to award the 2020-2021 contract for Road De-Icing Salt to Eastern Salt Company, Incorporated, in the amount of \$50.35 ton.

MOVEMENT OF LEGISLATION: It is being requested that the Board of Commissioners approve the legislation for this purchase in order to safely maintain vehicular traffic on Township roadways during the winter storms.

2020 De-icing Salt Contract for 10 Delaware County Municipalities

Contract 2020-01

(Bid Opening 8-3-20)

2020 Salt Contract Bid Tabulations

| Bidder (Sent Contract) | Bid Price Price/Ton | Trans. Price/Ton |
|----------------------------|------------------------|---------------------|
| Eastern Salt Company, Inc. | \$50.35 | Included |
| Morton Salt, Inc. | \$55.71 | Included |
| Cargill Deicing Technology | \$55.76 | Included |
| Detroit Salt Company | \$64.68 | Included |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Historic Salt Contract Prices

(recorded by Middletown and Newtown Townships)

| Winter | Township Bid | | State Contract | | |
|---------|---------------|---------|----------------|---------|------------|
| | Supplier | Price | Supplier | Price | Difference |
| 2019-20 | Eastern Salt | \$50.35 | Eastern Salt | \$56.65 | -6.3 |
| 2019-20 | Eastern Salt | \$53.00 | Eastern Salt | \$56.65 | -3.65 |
| 2018-19 | Eastern Salt | \$50.90 | Eastern Salt | \$55.40 | -4.5 |
| 2017-18 | Eastern Salt | \$52.48 | Eastern Salt | \$55.40 | -2.92 |
| 2016-17 | Eastern Salt | \$56.43 | Eastern Salt | \$55.40 | 1.03 |
| 2015-16 | Cargill | \$62.85 | Morton | \$64.14 | -1.29 |
| 2014-15 | Oceanport | \$56.47 | Morton | \$57.81 | -1.34 |
| 2013-14 | International | \$53.48 | International | \$52.56 | 0.92 |
| 2012-13 | Oceanport | \$55.25 | International | \$56.91 | -1.66 |
| 2011-12 | Oceanport | \$59.74 | International | \$56.35 | 3.39 |
| 2010-11 | Eastern Salt | \$60.29 | International | \$61.35 | -1.06 |
| 2009-10 | Oceanport | \$65.83 | International | \$58.97 | 6.86 |
| 2008-09 | Oceanport | \$69.04 | International | \$60.90 | 8.14 |
| 2007-08 | Eastern Salt | \$49.60 | American | \$50.37 | -0.77 |
| 2006-07 | Oceanport | \$43.03 | Oceanport | \$43.53 | -0.5 |
| 2005-06 | Oceanport | \$42.12 | Oceanport | \$41.78 | 0.34 |
| 2004-05 | International | \$42.72 | International | \$38.73 | 3.99 |
| 2003-04 | Oceanport | \$33.12 | Oceanport | \$28.73 | 4.39 |
| 2002-03 | International | \$31.86 | International | \$29.76 | 2.1 |
| 2001-02 | Oceanport | \$33.60 | Oceanport | \$31.86 | 1.74 |
| 2000-01 | Rochez | \$31.45 | ? | ? | - |
| 1999-00 | International | \$29.72 | ? | ? | - |
| 1998-99 | Rochez | \$27.79 | ? | ? | - |
| 1997-98 | Cargill | \$30.70 | ? | ? | - |
| 1996-97 | Akzo | \$33.52 | ? | ? | - |
| 1995-96 | Oceanport | \$32.12 | ? | ? | - |

Newtown Township
 209 Bishop Hollow Road
 Newtown Square, PA 19073
 610-356-0200
www.newtowntownship.org

Recognition of Steve
McNelis, Public Works
Director , for his 30+
years of service to Radnor
Township

RESOLUTION NO. 2020-86

**A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY, WAIVER
REQUEST: JANICZEK HOMES, 427 EAST LANCASTER AVENUE, SECTION 255-
29.A.(1) DRIVE ISLE WIDTH**

WHEREAS, Mark Janiczek of Janiczek Homes, Developers of 427 East Lancaster Avenue has installed a retaining wall that is not in compliance with the previously approved plans

WHEREAS, Mark Janiczek is requesting a waiver from Section 255-29.A.(1) Drive Isle Width

WHEREAS, the developer is requesting to reduce the drive isle width from 22' to 19.1'

NOW, THEREFORE, be it *RESOLVED* by the Board of Commissioners of Radnor Township does hereby approve the requested waiver of Section 255-29.A.(1) Drive Isle Width, form 22' to 19.1'

SO RESOLVED this 10th day of, August A.D., 2020

RADNOR TOWNSHIP

By: _____
Name: John Larkin
Title: President

ATTEST: _____
William M. White
Manager/Secretary

Radnor Township
PROPOSED LEGISLATION

DATE: August 3, 2020
TO: Radnor Township Board of Commissioners
FROM: Stephen F. Norcini, P.E., Township Engineer
CC: William M. White, Township Manager/Secretary

LEGISLATION: Resolution #2020-86: Waiver Request: Janiczek Homes, 427 East Lancaster Avenue, Section 255-29.A.(1) Drive Isle Width

LEGISLATIVE HISTORY: This specific topic has not been before the Board of Commissioners previously.

PURPOSE AND EXPLANATION: The developer installed a retaining wall which is not in accordance with the approved plans and is asking to reduce the drive aisle width from 22' to 19.1, to accommodate its current location. The engineering review letters from Gannett Fleming and Gilmore & Associates are attached.

IMPLEMENTATION SCHEDULE: N/A

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



*Excellence Delivered **As Promised***

MEMORANDUM

Date: July 28, 2020

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

From: Roger Phillips, PE

cc: Kevin W. Kochanski, RLA, CZO – Director of Community Development
John Rice, Esq. – Grim, Biehn, and Thatcher
Damon Drummond, P.E. – Gilmore & Associates, Inc.
Patricia Sherwin – Radnor Township Engineering Department

RE: 427 Lancaster Avenue Waiver Request

Gannett Fleming, Inc has completed a review of a waiver request for the previously approved Final Land Development Plan for the 427 East Lancaster Avenue Project. The waiver request and corresponding plan is attached for reference.

The Applicant is specifically requesting a waiver from the following:

1. Section 255-29.A.(1) to provide a minimum of 19.1' of two way drive aisle in lieu of the 22.0' required by code due to the as-built location of the retaining wall along the easterly property boundary.

We have reviewed the attached plan and find that the 19.1-foot minimum width being requested is of sufficient width to permit passage of vehicles safely within the drive aisle. A 4-foot-wide sidewalk is being provided along the drive aisle for pedestrian passage. We have no engineering objection to the requested waiver.

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

Very truly yours,

GANNETT FLEMING, INC.

A handwritten signature in blue ink, consisting of a large, stylized 'R' followed by a horizontal line and a small flourish.

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

Gannett Fleming, Inc.



GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MEMORANDUM

Date: July 27, 2020

To: Steve Norcini, P.E.
Radnor Township Engineer

From: Damon Drummond P.E., PTOE
G&A Senior Transportation Engineer

cc: Roger Phillips, P.E.
Gannett Fleming, Inc., Senior Project Manager
Leslie Salsbury, P.E.
Gilmore & Associates, Inc.

Reference: 427 E. Lancaster Avenue (TMP 36-13-384) 2015-D-11
Radnor Township, Delaware County
Land Development- Amended Plan
G&A# 16-01107

Pursuant to your request, Gilmore & Associates, Inc. has completed a transportation review of the proposed Amended Land Development Plan for the 22 unit multi-family residential development at 427 E. Lancaster Avenue. The applicant proposes to construct a 22-unit condominium development with fifty-two (52) off-street parking spaces situated on a 1.24 acre parcel located in the R-6 Zoning District. In addition, the applicant proposes to remove the existing five-unit apartment building and the Radnor Family Practice/Wayne Dental Associates building currently located on the lot. The amendment reduces the drive aisle width from the required 22.0 feet to 19.1 feet due to the as-built location of the retaining wall.

We offer the following for Radnor Township's consideration:

A. REVIEWED MATERIALS

1. Final Land Development Plans for 427 E. Lancaster Avenue dated January 6, 2017, last revised July 16, 2020, prepared for 427 E. Lancaster, LLC, prepared by Yohn Engineering, LLC (14 Sheets).
2. Wavier request letter prepared by Yohn Engineering, LLC, dated July 23, 2020.

B. REVIEW COMMENTS

1. §255-29.A.(1)- A wavier is requested to provide a minimum 19.1' two-way drive aisle in lieu of the required 22.0' due to the as-built location of the retaining wall. A sidewalk will still be provided along the eastern curb line to accommodate pedestrians. This reduction in the drive aisle width will have minimum impact on vehicles ability to egress and ingress

the drive aisle from the parking area provided. We have no engineering objection to the waiver request.

YOHN ENGINEERING, LLC

555 Second Avenue, Suite B-205

Collegeville, PA 19426-3674

610-489-4580

www.yohnengineering.com

July 24, 2020

Radnor Township Board of Commissioners

301 Iven Avenue

Wayne, PA 19087

**RE: 427 East Lancaster Avenue
Radnor Township, Delaware County**

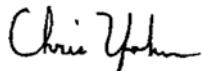
File No. 15-031

Attached is a revised Site Plan for this project showing the current site conditions, including the retaining wall along the eastern property line in blue and a proposed sidewalk relocation in red. The installation of the sidewalk shown in red will reduce the width of the two-way drive aisle from the code required 22' to 19.1' at the shortest dimension. Please consider this letter as a request by the owner for a waiver of Subdivision of Land Section 255-29.A.(1) to provide a minimum of 19.1' of two way drive aisle in lieu of 22.0' due to as-built location of the retaining wall.

Please let me know if you require any additional information in order to place this on the next meeting agenda and please call with any questions. Thanks

Regards,

Yohn Engineering, LLC



Christopher C. Yohn, P.E., CPESC

15031L08_RT.docx

Serial Number: 2016-011-1937

CALL BEFORE YOU DIG! PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE-STOP CALL Pennsylvania One Call System, Inc. 1-800-242-1776



THE FOLLOWING COMPANIES WERE NOTIFIED BY PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776 AND REQUESTED TO MARK OUT UNDERGROUND FACILITIES AFFECTING AND SERVICING THIS SITE. THE UNDERGROUND UTILITY INFORMATION SHOWN HEREON IS BASED UPON THE UTILITY COMPANIES RESPONSE TO THIS REQUEST. SERIAL NUMBER(S): 2016011937

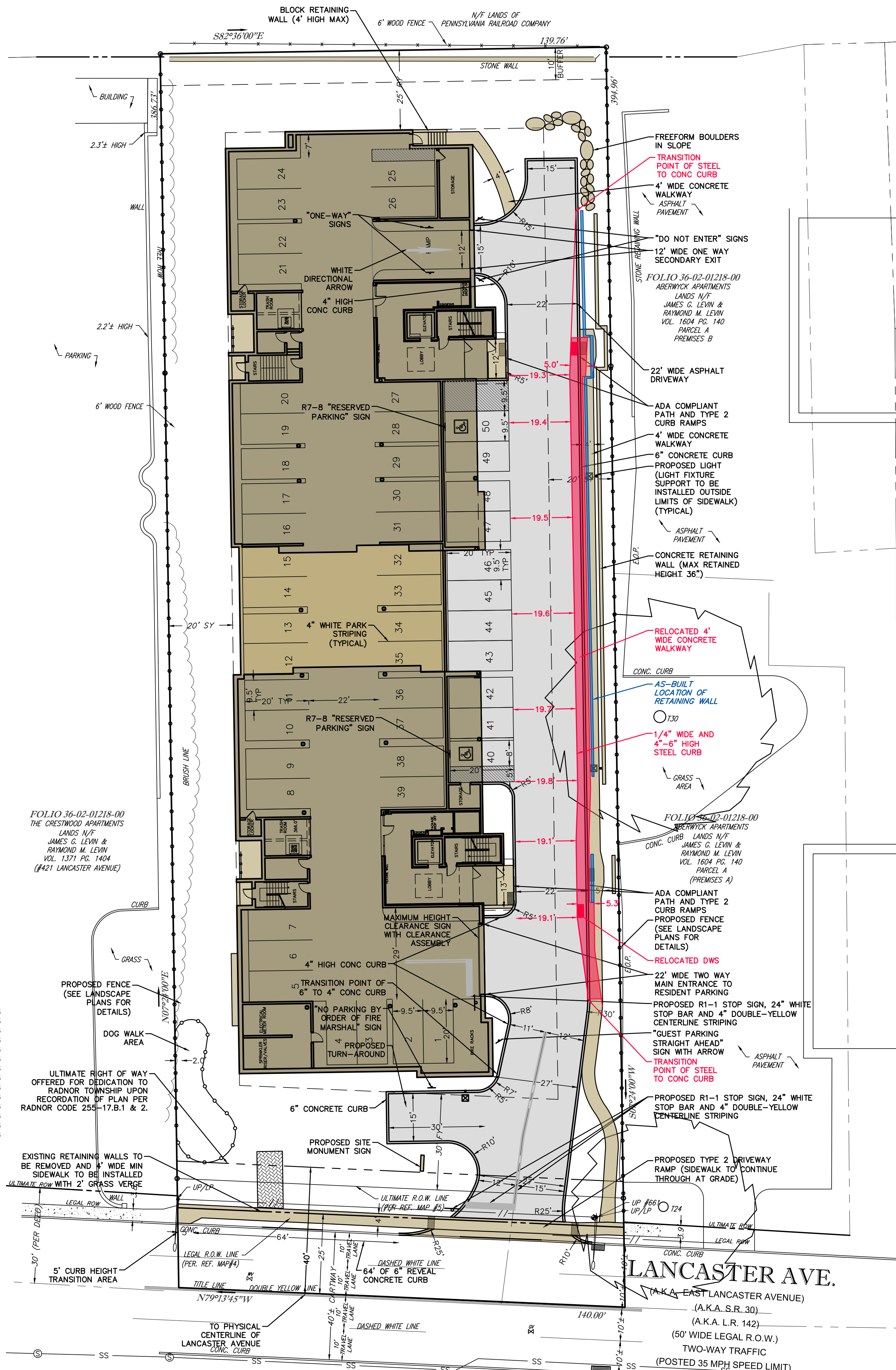
UTILITY COMPANY PHONE NUMBER table with entries for AT & T, PECO, ZAYO BANDWIDTH, AQUA PENNSYLVANIA, INC., VERIZON, COMCAST CABLE, MCI, RADNOR TOWNSHIP.

LEGEND

- EXISTING CONTOUR, EXISTING SPOT ELEVATION, EXIST. TOP OF CURB ELEVATION, EXIST. GUTTER ELEVATION, EXIST. TOP OF WALL ELEVATION, EXIST. BOTTOM OF WALL ELEVATION, EXIST. FINISHED FLOOR ELEVATION, WATER VALVE, UNKNOWN VALVE, GAS VALVE, GAS METER, OVERHEAD WIRES, APPROX. LOC. UNDERGROUND GAS LINE, APPROX. LOC. UNDERGROUND TEL. LINE, APPROX. LOC. UNDERGROUND WATER LINE, UTILITY POLE, UTILITY POLE/LIGHT POLE, SIGN, MAIL BOX, ABOVE GROUND, UNDER GROUND, DEPRESSED CURB, EDGE OF PAVEMENT, LANDSCAPED AREA, RAILROAD TIE WALL, TYPICAL, WATER MANHOLE, CATCH BASIN OR INLET, PARKING SPACE COUNT, DEPRESSED CURB, DEED DESIGNATION, OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE, SOLID YELLOW LINE, DOUBLE YELLOW LINE, HT. HEIGHT, DASHED WHITE LINE, BLDG. BUILDING, ELEVATION, PROPOSED BUILDING, PROPOSED PAVING, PROPOSED IMPERVIOUS WALKS, WALLS, ETC., PROPOSED RIGHT-OF-WAY, PROPOSED FENCE

PLAN SHEET LIST:

Table with columns SHEET, DATE, and description of plan sheets including illustrative site plan, record plan, existing conditions, vicinity plan, grading and utility plan, etc.



ZONING DATA R-6 (RESIDENCE DISTRICT): REQUIRED, EXISTING, PROPOSED table with rows for minimum lot size, minimum lot area, maximum building coverage, etc.

- NOTES: 1. * EXISTING NON-COMFORMITY, 2. LOT AREA PER UNIT BASED ON CONSOLIDATED LOT AREA, 3. IMPERVIOUS PERCENTAGES BASED ON CONSOLIDATED SITE AREA, 4. FOR MORE DETAILED INFORMATION REFER TO THE ZONING CODE OF RADNOR TOWNSHIP, LATEST EDITION.

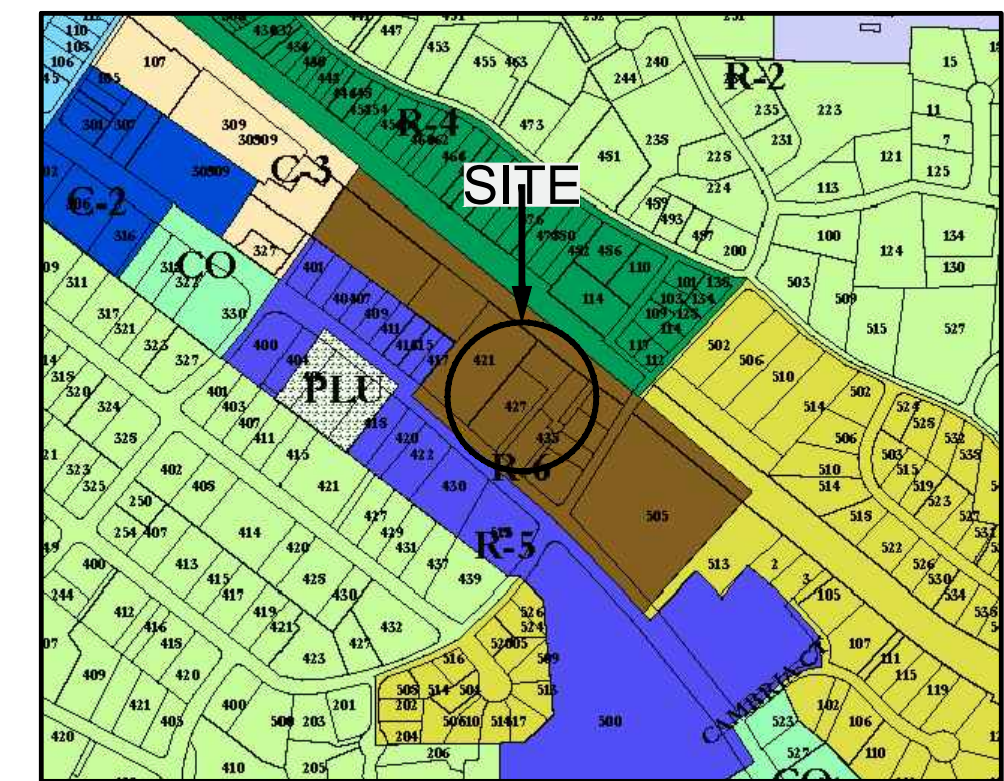
EXISTING LOT DATA: TAX FOLIO NUMBER, TAX MAP NUMBER, SITE AREA, LOT AREA table.

CONSOLIDATED LOT DATA: TAX FOLIO NUMBER, TAX MAP NUMBER, SITE AREA, LOT AREA table.

EXISTING IMPERVIOUS COVERAGE: BUILDINGS & PORCHES, WALKS, PATIOS, ASPHALT DRIVES, GRAVEL DRIVES, OTHER, TOTAL table.

PROPOSED IMPERVIOUS COVERAGE: BUILDINGS, WALKS, DRIVES, OTHER, TOTAL table.

- GENERAL NOTES: 1. THESE PLANS ARE BASED ON THE NOTED REFERENCES AND THE INTENT OF THESE PLANS IS TO ILLUSTRATE A 22 UNIT MULTI-FAMILY DEVELOPMENT AS PERMITTED BY THE RADNOR TOWNSHIP R-6 ZONING DISTRICT, THE UNITS WILL BE A MIX OF 2 AND 3 BEDROOM UNITS, 2. THE MAJORITY OF THE EXISTING FEATURES WILL BE REMOVED AS SHOWN ON THE DEMOLITION PLAN, 3. THIS PROJECT WILL BE DEVELOPED AS A CONDOMINIUM, 4. TRASH AND SNOW REMOVAL WILL BE THE RESPONSIBILITY OF THE HOME OWNERS ASSOCIATION, 5. THE RESPONSIBILITY FOR THE CONTINUED MAINTENANCE AND OPERATION OF THE STORMWATER MANAGEMENT FACILITIES WILL BE THE OBLIGATION OF THE HOME OWNERS ASSOCIATION, 6. THE PROPERTY SHALL BE GRADED SO THAT RUNOFF FROM THE MAJORITY OF THE PROPOSED DEVELOPMENT WILL BE DIRECTED TO AND COLLECTED BY A SERIES OF INLETS AND PIPES AS SHOWN ON THE PLAN AND CONVEYED TO THE UNDERGROUND STORMWATER MANAGEMENT SYSTEM WHICH WILL PROVIDE THE TOWNSHIP AND DEP REQUIRED RATE AND VOLUME CONTROLS, 7. THE DEVELOPMENT WILL BE SERVICED BY A NEW GRAVITY SEWER LATERAL WHICH WILL CONNECT TO THE EXISTING SEWER MAIN IN LANCASTER AVENUE, 8. THE DEVELOPMENT WILL BE SERVICED BY NEW WATER LATERAL WHICH WILL CONNECT TO EXISTING WATER MAIN IN LANCASTER AVENUE, 9. ALL PROPOSED UTILITY LINES SHALL BE UNDERGROUND WHERE FEASIBLE, 10. LIGHTING WILL BE PROVIDED FOR THE PROPOSED PARKING AND PEDESTRIAN FACILITIES IN ACCORDANCE WITH TOWNSHIP CODES INCLUDING 280-105.E, 11. THE PROPOSED MONUMENT SIGN SHALL BE INSTALLED IN ACCORDANCE WITH TOWNSHIP CODES INCLUDING 280-121.C, 12. LANDSCAPING WILL BE PROVIDED IN ACCORDANCE WITH THE TOWNSHIP CODES, 13. TYPICAL EROSION AND SEDIMENTATION CONTROLS ARE PROPOSED FOR THE CONSTRUCTION OF THIS PROPERTY INCLUDING A STABILIZED CONSTRUCTION ENTRANCE, FILTER SOCKS, SILT FENCE, INLET PROTECTION, TOPSOIL STOCKPILES SURROUNDED BY SILT FENCE AND EROSION CONTROL MATTING, ETC. AS WELL AS OTHER TYPICAL EROSION CONTROL MEASURES INCLUDING LIMITING SITE DISTURBANCE, IMMEDIATE STABILIZATION, ETC., 14. THE PROJECT'S RECEIVING WATERCOURSE IS ITHAN CREEK WHICH IS PART OF THE DARBY CREEK WATERSHED AND THE CHAPTER 93 CLASSIFICATION IS CWF, MF, 15. A LOW VOLUME HIGHWAY OCCUPANCY PERMIT SHALL BE OBTAINED FROM THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION FOR ANY WORK PROPOSED WITHIN THE STATE RIGHT OF WAY, 16. AS REQUIRED BY PENNDOT, DURING CONSTRUCTION, PEDESTRIAN ACCESSIBLE ROUTES MUST BE MAINTAINED OR TEMPORARY FACILITIES PROVIDED FOR ALL EXISTING PEDESTRIAN ROUTES ALONG LANCASTER AVENUE (SR 30), 17. THE APPLICANT SHALL PAY A FEE IN LIEU OF PROVIDING PARK AND RECREATION LAND IN ACCORDANCE WITH 256-43.1, 18. PROPOSED WALKWAYS SLOPES SHALL NOT EXCEED 5%, 19. CONTRACTORS SHALL NOT PARK ON, LITTER OR USE THE DUMPSTERS ON ANY ADJOINING PROPERTY.



LOCATION MAP SCALE 1" = 600'

- REFERENCE PLANS: 1. BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED FOR RADNOR FAMILY PRACTICE BY CONTROL POINT ASSOCIATES, INC., CHALFONT, PA, DATED MAY 2, 2014 AND LAST REVISED MAY 14, 2014, FILE NO. CP14056, 2. ZONING MAP OBTAINED ELECTRONICALLY FROM THE RADNOR TOWNSHIP WEBSITE, 3. LIDAR TOPOGRAPHY AND OTHER GIS OBTAINED ELECTRONICALLY FROM SHAPE FILES DISTRIBUTED BY DELAWARE VALLEY REGIONAL PLANNING COMMISSION, FILES WERE OBTAINED VIA WWW.PASDA.PSU.EDU, 4. AERIAL PHOTOGRAPH "PA_X24_Y082" & "PA_X25_Y082" PROVIDED BY DELAWARE VALLEY REGIONAL PLANNING COMMISSION AND AERIAL PHOTOGRAPHY ACCESSED ELECTRONICALLY AT MAPS.GOOGLE.COM, 5. SOILS INFORMATION VIA THE NATURAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY (WEBSOILSURVEY.SCS.CO.EDU.USDA.GOV.)

- REFERENCE PLAN #1 NOTES: 1. PROPERTY KNOWN AS FOLIO 36-02-01219-00 & 36-02-01219-01, BLOCK 61 AS IDENTIFIED ON THE TAX MAPS OF DELAWARE COUNTY, RADNOR TOWNSHIP, COMMONWEALTH OF PENNSYLVANIA, 2. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT ARE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE AS-BUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES, BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR AS ABANDONED, 3. THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREON, THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN, 4. BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER REF. MAP NUMBER 420450017F AND 420450036F, MAP REVISED NOVEMBER 18, 2009, 5. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY, 6. ELEVATIONS ARE BASED UPON PA DOT BENCHMARK F101 REPUTED TO BE NAVD 1988 ELEVATION 343.57, 7. UNDERGROUND STORM SEWER AND SANITARY SEWER PIPES ARE DRAWN GRAPHICALLY ON THIS SURVEY APPROXIMATE. UNDERGROUND STORM AND SANITARY PIPES SHOULD BE VERIFIED INDEPENDENTLY AS TO THEIR LOCATION, SIZE AND TYPE AND SHOULD BE CONSIDERED BY THE CONTRACTOR OR DESIGN CONSULTANT PRIOR TO CONSTRUCTION, 9. THESE UNDERGROUND UTILITY COMPANIES DID NOT RESPOND TO PA ONE CALL REQUEST: ELECTRIC, GAS, AND TELEPHONE.

- REFERENCE PLAN #1 REFERENCES: 1. MAP #015 OF THE OFFICIAL TAX MAPS OF THE RADNOR TOWNSHIP, DELAWARE COUNTY, COMMONWEALTH OF PENNSYLVANIA, 2. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, PENNSYLVANIA, DELAWARE COUNTY, PANEL 36 OF 250", COMMUNITY-PANEL NUMBER 420428 0036 F, MAP REVISED: NOV 18, 2009, 3. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, PENNSYLVANIA, DELAWARE COUNTY, PANEL 17 OF 250", COMMUNITY-PANEL NUMBER 420428 0017 F, MAP REVISED: NOV 18, 2009, 4. MAP ENTITLED "COMMONWEALTH OF PENNSYLVANIA, DEPARTMENT OF HIGHWAYS, DRAWING FOR CONSTRUCTION AND CONDEMNATION OF RIGHT OF WAY ROUTE NO. 142 SECTION NO. 1 IN DELAWARE COUNTY; FROM STA. 2882+35 TO STA. 2891+10, LENGTH 876.0 FT @ 0.166 MI", SHEETS 1-3, 5. MAP ENTITLED "AS-BUILT SURVEY MADE FOR J. GORDON AND LOIS T. LONGENECKER, RADNOR TOWNSHIP, DELAWARE COUNTY, PENNSYLVANIA," PREPARED BY YERKS ASSOCIATES, INC., DATE MARCH 28, 2002, PLAN D-36-13 384.

- REQUESTED WAIVERS: 1. A WAIVER OF SUBDIVISION OF LAND SECTION 255-28.4(1) TO PROVIDE A MINIMUM OF 18' OF TWO WAY DRIVE AISLE IN LIEU OF 22'0" DUE TO AS-BUILT LOCATION OF THE RETAINING WALL.

Revision table with columns REV, DATE, COMMENTS. Includes revisions for WALK & WALL, LAYOUT, TWP, HOP, NPDES, HOP, TWP ENG, NPDES & HOP, FINAL PLANS.

Project information table including PROJECT, PROJECT ADDRESS, MUNICIPALITY, COUNTY, PLAN SET, SHEET NAME.

ALL DOCUMENTS PREPARED OR FURNISHED BY ENGINEER AND ARCHITECT ARE THE PROPERTY OF THE ENGINEER AND ARCHITECT. NO PART OF THESE DOCUMENTS ARE TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER AND ARCHITECT. THE ENGINEER AND ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT OR FOR THE PERFORMANCE OF THE PROJECT. THE ENGINEER AND ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT OR FOR THE PERFORMANCE OF THE PROJECT.

Professional Engineer seal for Christopher C. Yohn, PE, and project details including owner/applclicant MSP Partners, LLC, C/O Mark Janiczek, 619 Rear Conestoga Road, Villanova, PA 19085, and Yohn Engineering, LLC contact information.

Serial Number: 2016-011-1937

CALL BEFORE YOU DIG! PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE-STOP CALL Pennsylvania One Call System, Inc. 1-800-242-1776



THE FOLLOWING COMPANIES WERE NOTIFIED BY PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776 AND REQUESTED TO MARK OUT UNDERGROUND FACILITIES AFFECTING AND SERVICING THIS SITE. THE UNDERGROUND UTILITY INFORMATION SHOWN HEREON IS BASED UPON THE UTILITY COMPANIES RESPONSE TO THIS REQUEST. SERIAL NUMBER(S): 2016011937

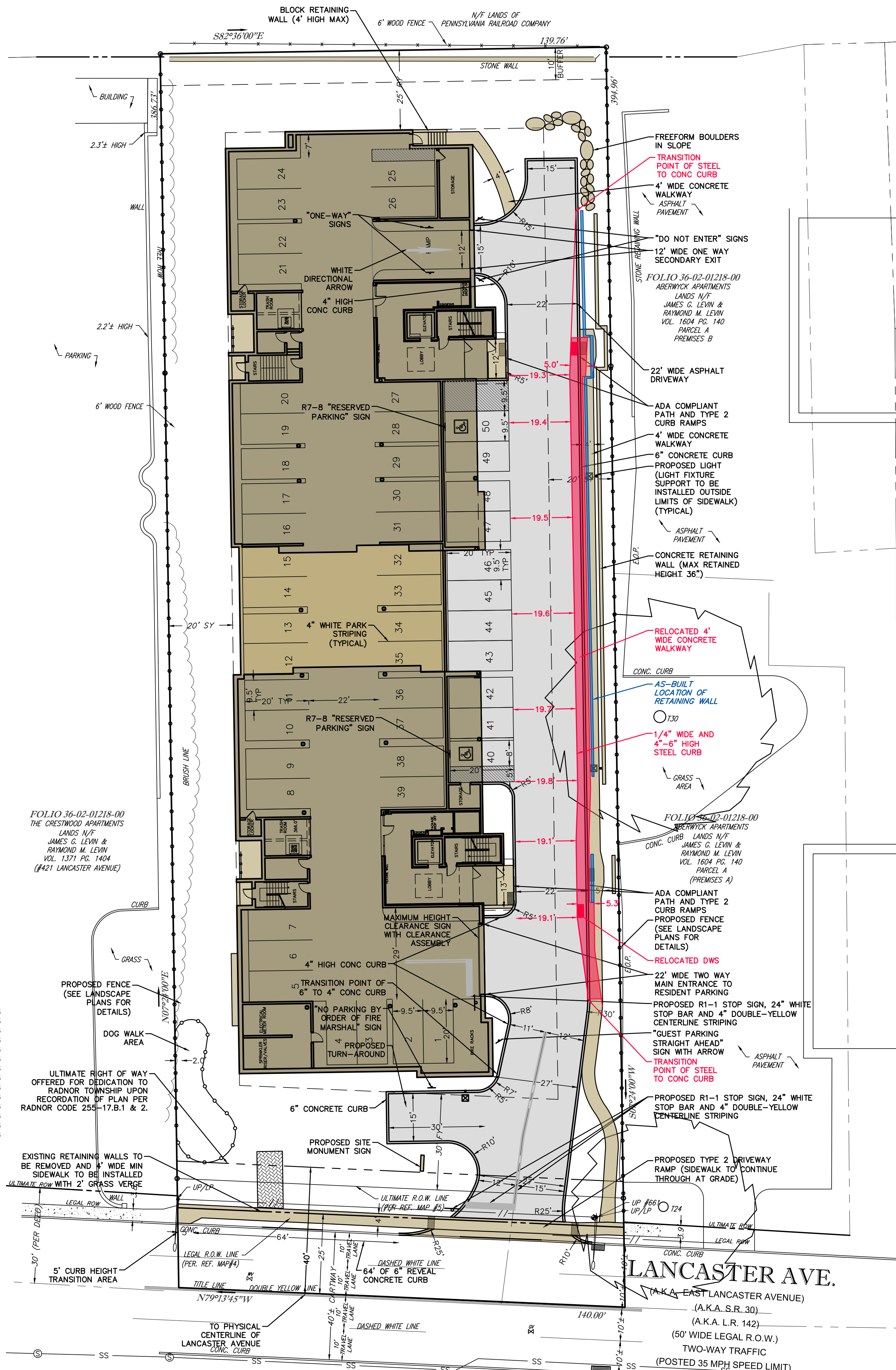
UTILITY COMPANY PHONE NUMBER table with entries for AT & T, PECO, ZAYO BANDWIDTH, AQUA PENNSYLVANIA, INC., VERIZON, COMCAST CABLE, MCI, RADNOR TOWNSHIP.

LEGEND

Legend table with symbols for existing contour, spot elevation, curb elevation, gutter elevation, wall elevation, floor elevation, water valve, unknown valve, gas valve, gas meter, overhead wires, underground gas line, tel. line, water line, utility pole, sign, mail box, above ground, under ground, depressed curb, edge of pavement, landscaped area, railroad tie wall, typical, water manhole, catch basin or inlet, parking space count, deed designation, offset of structure at ground level, solid yellow line, double yellow line, height, dashed white line, building, elevation, proposed building, proposed paving, proposed impervious walks, walls, etc., proposed right-of-way, proposed fence.

PLAN SHEET LIST:

Table with columns for SHEET, DATE, and description of sheets including illustrative site plan, record plan, existing conditions, vicinity plan, grading and utility plan, post construction stormwater management plan, low volume highway occupancy permit plan, pavement signage and marking plan, maneuverability plan, erosion and sedimentation control plan, construction details, landscape plan, and lighting plan.



ZONING DATA R-6 (RESIDENCE DISTRICT): REQUIRED, EXISTING, PROPOSED table with rows for minimum lot size, minimum lot area, maximum building coverage, minimum front yard, minimum side yard, minimum rear yard, maximum impervious coverage, maximum building height, maximum building length, and minimum parking.

NOTES: 1. * EXISTING NON-COMFORMITY 2. LOT AREA PER UNIT BASED ON CONSOLIDATED LOT AREA. 3. IMPERVIOUS PERCENTAGES BASED ON CONSOLIDATED SITE AREA. 4. FOR MORE DETAILED INFORMATION REFER TO THE ZONING CODE OF RADNOR TOWNSHIP, LATEST EDITION.

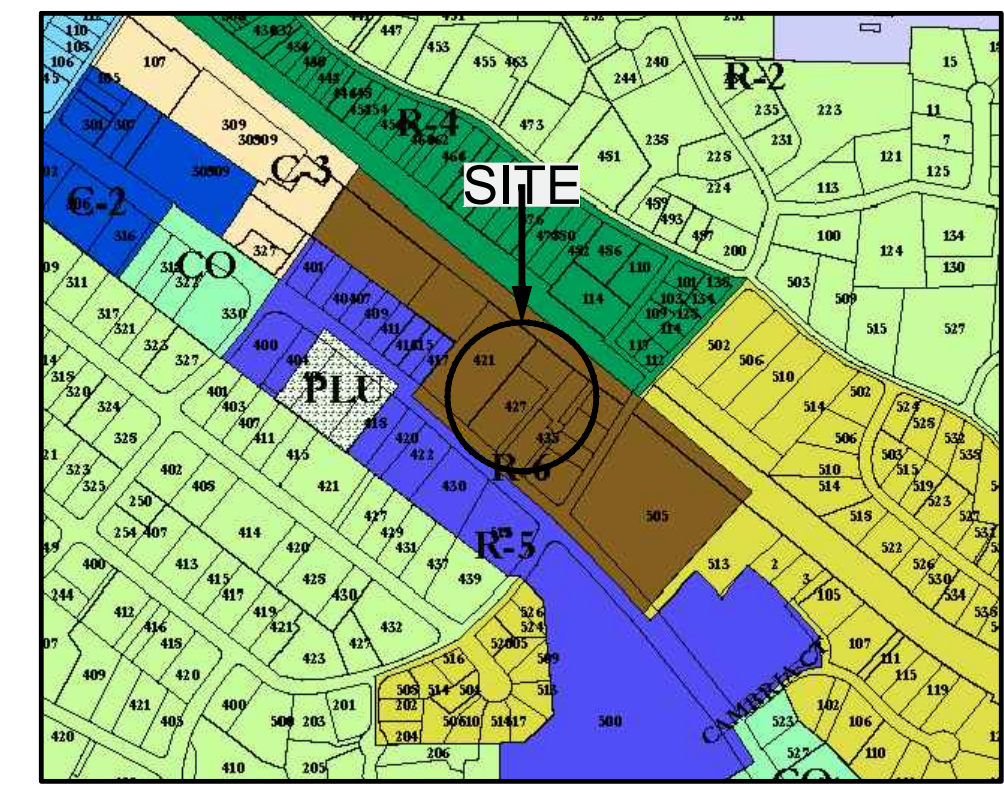
EXISTING LOT DATA: TAX FOLIO NUMBER: 36-02-01219-00, TAX MAP NUMBER: 36-13-384-000, SITE AREA: 34,770 SF (0.7982 AC), LOT AREA: 31,771 SF (0.7294 AC)

CONSOLIDATED LOT DATA: TAX FOLIO NUMBER: 36-02-01219-01, TAX MAP NUMBER: 36-13-384-001, SITE AREA: 19,852 SF (0.4557 AC), LOT AREA: 19,352 SF (0.4443 AC)

EXISTING IMPERVIOUS COVERAGE table with rows for buildings & porches, walks, patios, asphalt drives, gravel drives, other, and total.

PROPOSED IMPERVIOUS COVERAGE table with rows for buildings, walks, drives, other, and total.

GENERAL NOTES: 1. THESE PLANS ARE BASED ON THE NOTED REFERENCES AND THE INTENT OF THESE PLANS IS TO ILLUSTRATE A 22 UNIT MULTI-FAMILY DEVELOPMENT AS PERMITTED BY THE RADNOR TOWNSHIP R-6 ZONING DISTRICT. THE UNITS WILL BE A MIX OF 2 AND 3 BEDROOM UNITS. 2. THE MAJORITY OF THE EXISTING FEATURES WILL BE REMOVED AS SHOWN ON THE DEMOLITION PLAN. 3. THIS PROJECT WILL BE DEVELOPED AS A CONDOMINIUM. 4. TRASH AND SNOW REMOVAL WILL BE THE RESPONSIBILITY OF THE HOME OWNERS ASSOCIATION. 5. THE RESPONSIBILITY FOR THE CONTINUED MAINTENANCE AND OPERATION OF THE STORMWATER MANAGEMENT FACILITIES WILL BE THE OBLIGATION OF THE HOME OWNERS ASSOCIATION. 6. THE PROPERTY SHALL BE GRADED SO THAT RUNOFF FROM THE MAJORITY OF THE PROPOSED DEVELOPMENT WILL BE DIRECTED TO AND COLLECTED BY A SERIES OF INLETS AND PIPES AS SHOWN ON THE PLAN AND CONVEYED TO THE UNDERGROUND STORMWATER MANAGEMENT SYSTEM WHICH WILL PROVIDE THE TOWNSHIP AND DEP REQUIRED RATE AND VOLUME CONTROLS. 7. THE DEVELOPMENT WILL BE SERVICED BY A NEW GRAVITY SEWER LATERAL WHICH WILL CONNECT TO THE EXISTING SEWER MAIN IN LANCASTER AVENUE. 8. THE DEVELOPMENT WILL BE SERVICED BY NEW WATER LATERAL WHICH WILL CONNECT TO EXISTING WATER MAIN IN LANCASTER AVENUE. 9. ALL PROPOSED UTILITY LINES SHALL BE UNDERGROUND WHERE FEASIBLE. 10. LIGHTING WILL BE PROVIDED FOR THE PROPOSED PARKING AND PEDESTRIAN FACILITIES IN ACCORDANCE WITH TOWNSHIP CODES INCLUDING 280-105.E. 11. THE PROPOSED MONUMENT SIGN SHALL BE INSTALLED IN ACCORDANCE WITH TOWNSHIP CODES INCLUDING 280-121.C. 12. LANDSCAPING WILL BE PROVIDED IN ACCORDANCE WITH THE TOWNSHIP CODES. 13. TYPICAL EROSION AND SEDIMENTATION CONTROLS ARE PROPOSED FOR THE CONSTRUCTION OF THIS PROPERTY INCLUDING A STABILIZED CONSTRUCTION ENTRANCE, FILTER SOCKS, SILT FENCE, INLET PROTECTION, TOPSOIL STOCKPILES SURROUNDED BY SILT FENCE AND EROSION CONTROL MATTING, ETC. AS WELL AS OTHER TYPICAL EROSION CONTROL MEASURES INCLUDING LIMITING SITE DISTURBANCE, IMMEDIATE STABILIZATION, ETC. 14. THE PROJECT'S RECEIVING WATERCOURSE IS ITHAN CREEK WHICH IS PART OF THE DARBY CREEK WATERSHED AND THE CHAPTER 93 CLASSIFICATION IS CWF, MF. 15. A LOW VOLUME HIGHWAY OCCUPANCY PERMIT SHALL BE OBTAINED FROM THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION FOR ANY WORK PROPOSED WITHIN THE STATE RIGHT OF WAY. 16. AS REQUIRED BY PENNDOT, DURING CONSTRUCTION, PEDESTRIAN ACCESSIBLE ROUTES MUST BE MAINTAINED OR TEMPORARY FACILITIES PROVIDED FOR ALL EXISTING PEDESTRIAN ROUTES ALONG LANCASTER AVENUE (SR 30.) 17. THE APPLICANT SHALL PAY A FEE IN LIEU OF PROVIDING PARK AND RECREATION LAND IN ACCORDANCE WITH 256-43.1. 18. PROPOSED WALKWAYS SLOPES SHALL NOT EXCEED 5%. 19. CONTRACTORS SHALL NOT PARK ON, LITTER OR USE THE DUMPSTERS ON ANY ADJOINING PROPERTY.



- REFERENCE PLANS: 1. BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED FOR RADNOR FAMILY PRACTICE BY CONTROL POINT ASSOCIATES, INC., CHALFONT, PA, DATED MAY 2, 2014 AND LAST REVISED MAY 14, 2014. FILE NO. CP14056 2. ZONING MAP OBTAINED ELECTRONICALLY FROM THE RADNOR TOWNSHIP WEBSITE. 3. LIDAR TOPOGRAPHY AND OTHER GIS OBTAINED ELECTRONICALLY FROM SHAPE FILES DISTRIBUTED BY DELAWARE VALLEY REGIONAL PLANNING COMMISSION. FILES WERE OBTAINED VIA WWW.PASDA.PSU.EDU. 4. AERIAL PHOTOGRAPH "PA_X24_Y082" & "PA_X25_Y082" PROVIDED BY DELAWARE VALLEY REGIONAL PLANNING COMMISSION AND AERIAL PHOTOGRAPHY ACCESSED ELECTRONICALLY AT MAPS.GOOGLE.COM. 5. SOILS INFORMATION VIA THE NATURAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY (WEBSOILSURVEY.SCS.CO.EDU.USDA.GOV.)

- REFERENCE PLAN #1 NOTES: 1. PROPERTY KNOWN AS FOLIO 36-02-01219-00 & 36-02-01219-01, BLOCK 61 AS IDENTIFIED ON THE TAX MAPS OF DELAWARE COUNTY, RADNOR TOWNSHIP, COMMONWEALTH OF PENNSYLVANIA. 2. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT ARE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE AS-BUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED. 3. THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREON. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN. 4. BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER REF. MAP NUMBER 420450017F AND 420450036F. MAP REVISED NOVEMBER 18, 2009. 5. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY. 6. ELEVATIONS ARE BASED UPON PA DOT BENCHMARK F101 REPUTED TO BE NAVD 1988 ELEVATION 343.57. 7. UNDERGROUND STORM SEWER AND SANITARY SEWER PIPES ARE DRAWN GRAPHICALLY ON THIS SURVEY APPROXIMATE. UNDERGROUND STORM AND SANITARY PIPES SHOULD BE VERIFIED INDEPENDENTLY AS TO THEIR LOCATION, SIZE AND TYPE AND SHOULD BE CONSIDERED BY THE CONTRACTOR OR DESIGN CONSULTANT PRIOR TO CONSTRUCTION. 8. THESE UNDERGROUND UTILITY COMPANIES DID NOT RESPOND TO PA ONE CALL REQUEST: ELECTRIC, GAS, AND TELEPHONE.

- REFERENCE PLAN #1 REFERENCES: 1. MAP #015 OF THE OFFICIAL TAX MAPS OF THE RADNOR TOWNSHIP, DELAWARE COUNTY, COMMONWEALTH OF PENNSYLVANIA. 2. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, PENNSYLVANIA, DELAWARE COUNTY, PANEL 36 OF 250", COMMUNITY-PANEL NUMBER 420428 0036 F, MAP REVISED: NOV 18, 2009. 3. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, PENNSYLVANIA, DELAWARE COUNTY, PANEL 17 OF 250", COMMUNITY-PANEL NUMBER 420428 0017 F, MAP REVISED: NOV 18, 2009. 4. MAP ENTITLED "COMMONWEALTH OF PENNSYLVANIA, DEPARTMENT OF HIGHWAYS, DRAWING FOR CONSTRUCTION AND CONDEMNATION OF RIGHT OF WAY ROUTE NO. 142 SECTION NO. 1 IN DELAWARE COUNTY; FROM STA. 2882+35 TO STA. 2891+10, LENGTH 876.0 FT @ 0.166 MI", SHEETS 1-3. 5. MAP ENTITLED "AS-BUILT SURVEY MADE FOR J. GORDON AND LOIS T. LONGENECKER, RADNOR TOWNSHIP, DELAWARE COUNTY, PENNSYLVANIA," PREPARED BY YERKS ASSOCIATES, INC., DATE MARCH 28, 2002, PLAN D-36-13-384.

- REQUESTED WAIVERS: 1. A WAIVER OF SUBDIVISION OF LAND SECTION 255-28.4(1) TO PROVIDE A MINIMUM OF 18" OF TWO WAY DRIVE AISLE IN LIEU OF 22'0" DUE TO AS-BUILT LOCATION OF THE RETAINING WALL.

Revision table with columns for REV, DATE, and COMMENTS. Includes revisions for WALK & WALL, LAYOUT, TWP, HOP, NPDES, TWP ENG, NPDES & HOP, and FINAL PLANS.

Project information table including PROJECT, PROJECT ADDRESS, MUNICIPALITY, COUNTY, PLAN SET, and SHEET NAME.

ALL DOCUMENTS PREPARED OR FURNISHED BY ENGINEER AND ARCHITECT ARE HEREBY GUARANTEED TO BE CORRECT AND COMPLETE. ENGINEER AND ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THIS PROJECT OR FOR THE PERFORMANCE OF THE CONTRACTOR. ENGINEER AND ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THIS PROJECT OR FOR THE PERFORMANCE OF THE CONTRACTOR.

Professional Engineer seal for Christopher C. Yohn, PE073703, and project details including owner/applclicant MSP Partners, LLC, C/O Mark Janiczek, 619 Rear Conestoga Road, Villanova, PA 19085. Also includes date, scale, and drawing number information.

RESOLUTION NO. 2020-89

A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY, PENNSYLVANIA, FORMALLY ACCEPTING THE INDEPENDENT AUDITORS' REPORT AND 2019 AUDITED FINANCIAL STATEMENTS OF RADNOR TOWNSHIP TO BE INCLUDED IN THE 2019 COMPREHENSIVE ANNUAL FINANCIAL REPORT

WHEREAS, The Township engaged Zelenkofske Axelrod LLC (the "Auditors") to perform the annual financial audit pursuant to the Township's Home Rule Charter §7.13 for the year ending December 31, 2019; and

WHEREAS, Township Management bears the sole responsibility for the completeness and accuracy of the 2019 Financial Statements; and

WHEREAS, Zelenkofske Axelrod LLC, in its capacity as the Township's independent CPA, is responsible for expressing an opinion on the financial statements as prepared by Management and is responsible for issuing an opinion based upon the results of their audit of the Township as summarized in the Independent Auditors' Report; and

WHEREAS, The Citizens' Audit Review & Financial Advisory Committee ("CARFAC"), a volunteer committee of resident stakeholders, as appointed by the Board of Commissioners, was involved in the audit process by overseeing project schedules and timelines, discussing internal control deficiency resolutions from prior years' audit results with management and the auditors, and by meeting independently with representatives of the Auditors to review possible audit findings, for which there were no findings noted nor reportable and as such, there is no requirement to issue a SAS 115 Letter to Management and to the Board of Commissioners; and

WHEREAS, CARFAC accepts no responsibility and takes no position on the completeness or accuracy of either the Independent Auditors' Report or the Audited Financial Statements; and

WHEREAS, exclusively based on the foregoing, CARFAC recommends that the Board of Commissioners adopt a resolution during a public meeting accepting the Independent Auditors' Report and management's 2019 Audited Financial Statements.

NOW, THEREFORE, it is hereby **RESOLVED** that the Radnor Township Board of Commissioners formally accept the Independent Auditors' Report as prepared by Zelenkofske Axelrod LLC and the 2019 Audited Financial Statements as prepared by Management, both of which are to be included in the Township's 2019 Comprehensive Annual Financial Report (CAFR).

SO RESOLVED, this 10th day of August, A.D., 2020

RADNOR TOWNSHIP

By: _____
Name: Jack Larkin
Title: President

ATTEST: _____
Name: William M. White,
Title: Township Manager / Secretary


Radnor Township

PROPOSED LEGISLATION



DATE: August 10, 2020

TO: Board of Commissioners

FROM: Robert V. Tate, Jr., Director of Finance 

LEGISLATION: Resolution 2020-89 Accepting the 2019 Audited Financial Statements and Independent Auditors' Report.

LEGISLATIVE HISTORY: The Township engaged Zelenkofske Axelrod, LLC as Independent Auditors for the 2019 audit period, which has now been completed. The Township's 2019 Comprehensive Annual Financial Report (CAFR) was completed and filed on July 31st and made available on the Township's web site.

PURPOSE AND EXPLANATION: This Resolution formally concludes the 2019 audit period by publically and transparently *accepting* the 2019 Audited Financial Statements and Independent Auditors' Report. It is imperative to note:

- Management is solely responsible for the content and accuracy of the 2019 Audited Financial Statements
- Zelenkofske Axelrod is solely responsible for expressing an opinion on the 2019 Audited Financial Statements as detailed in their Auditor's Report (included on page 1 of the Comprehensive Annual Financial Report)
- CARFAC has one member currently leading the Audit Work Group, but that one member was part of the audit process through its entirety and will be reporting to the Board independent from Administration
- By accepting this document, the Board of Commissioners is not accepting responsibility for the content or accuracy of the Audited Statements or the Independent Auditors' Report

FISCAL IMPACT: There is no fiscal impact associated with this Resolution.

RECOMMENDED ACTION: In the interest of continued transparency and to conclude the 2019 audit process, the Administration and CARFAC both respectfully recommend that the Board adopt Resolution 2020-89.

RADNOR TOWNSHIP

ENGINEERING DEPARTMENT



Memorandum

To: Board of Commissioners

From: Stephen F. Norcini, PE, Township Engineer

CC: William M. White, Township Manager/Secretary

Date: August 5, 2020

Shade Tree Commission Fall Tree Planting

Please see below an outline and spread sheet of the fall tree planting program from Eileen Brett, Chairperson of the Shade Tree Commission:

2020 Fall Tree Planting:

- 120 to 140 trees to be planted this Fall
 - o ~ 50% targeted for WBA and Township properties to:
 - 1) Compliment and expand on the 2019 planting
 - 2) Re-green the most populous areas for maximum resident enjoyment.
 - Attached indicates confirmed 59 locations, pending Township Arborist confirmation.
 - Other locations shown but not yet confirmed are still under consideration (e.g. AT&T, Verizon).
 - o ~ 50% targeted for residents. Registration to open in Aug2020.
 - o Final quantity to be bid determined by Bill White's confirmation of available STC funds, and 2019 competitive bid pricing.
 - o Overflow areas for excess trees identified (e.g. Odorisio Park)
- All trees to be deciduous street trees with:
 - o ~ 50% large size canopy to maximize the township tree canopy
 - o ~ 50% small flowering to accommodate under wires

-
- Varied species selected by 1) tree survey data indicating species that thrive in this area; 2) nursery availability.
 - Timing:
 - Advertising to start mid Aug2020
 - Prep work to be completed by EO Sep2020 (e.g. ~ 6” to 8” diameter stump grinding and tree removal on township properties where necessary)
 - Trees targeted to be planted by EO Oct2020, with Nov2020 as a contingency.
 - Communications:
 - \$1100 out of \$5000 STC Communications budget planned to be utilize for 2 ads + 1 digital ad.
 - Township Web, Facebook and other Township social media communication channels to be used.
 - BOC newsletters
 - Flyers
 - WBA Collaboration:
 - Big thanks to the WBA who have been great partners this year in helping us reach nearly 60 confirmed trees for the downtown area via Business to Business relationships, encouraging others to be good community partners!

Other Tree News:

- 12 bare root trees will be planted in Garrett Hill courtesy of a Pennsylvania Horticultural Society (PHS) grant – our FIRST grant!
- 25 tree whips w/tubes will be planted in the Rt 320/Conestoga corner to compensate for the 25 hazardous Ash trees to be removed, courtesy of a donation by John Hosbach, our Township Arborist.

2020 Fall Tree List - 4Aug2020 - BOC

| Area | Address | Nearby Store | Confirmed | Tree Removal | Stump Removal | Contact Name |
|---------------------------|---|---|-----------|--------------|---------------|---------------------------|
| West of Downtown | 300 block Lancaster Avenue | Former Chili's | | | | |
| | Windsor & Banbury Way | Triangle Island near Wawa | 1 | | 0 | Township |
| | 317 W. Lancaster Avenue | Sherwin-Williams | 4 | | | Deanna Moore |
| | 126 S. Bellvue Ave | Corner of West Ave | 1 | | | David Morris |
| | 300 block Lancaster Avenue | Verizon Building opposite Wawa | | | | Requested from Steve N. |
| North Wayne Municipal Lot | North strip along Dr. Ritz | Dr. Ritz | 4 | 0 | 0 | Township |
| | South strip along Weichert | Weichert | 5 | | 0 | Township |
| | Wayne Training Station Existing Planter | Wayne Train Station | 1 | | 1 | Township |
| Downtown | North side of Arde | Arde | 2 | | | Township |
| | West Avenue across from AT&T Building | AT&T | | | | Need AT&T contact |
| | Lancaster Avenue (South of AT&T) | Bellvue Municipal Parking Lot (AT&T owned; Township operated) | 6 | | | Need AT&T contact |
| | ~ 41 West Avenue | Across from Mexican restaurant next to Great American Pub | | | | |
| | 106 W. Lancaster Avenue | Central Baptist Church | | | | Pastor Laurie Sweigard |
| | 110 W. Lancaster Avenue | Nemours Dupont Pediatrics | 0 | | | Eadeh |
| | West Lancaster Avenue | Formerly Landis | 0 | | | Eadeh |
| | Lancaster Avenue | Margaret Kuo's | 1 | 1 | | Township |
| | West Wayne Avenue | Wayne Library | 2 | 1 | 1 | Township |
| | United Methodist Church | South Wayne Avenue | | | | |
| | 128 West Avenue | El Limon | | | | George & Jackie Goldstone |
| | South Wayne Avenue | Hotailing Building | 1 | | 0 | Township |
| | Louella Avenue (East of Gingy) | Gingy | 2 | | | Township |
| | South Wayne Avenue | United Methodist Church | | | | |
| Louella Court | Louella Court Park | 4 | | 4 | Township | |
| 104 Louella Avenue | Saint Mary's Church | 2 | 1 | | Township ROW | |
| Radnor Middle School | South Wayne Avenue | Administration Building | 2 | | | Bill Nolan |
| | South Wayne Avenue | Radnor Middle School - Parking Lot near Baseball Diamond | 8 | | | Bill Nolan |
| | School Property - Basketball Court | Radnor Middle School - near Basketball Court | 3 | | | Bill Nolan |
| | Windermere | Radnor Middle School | 3 | 2 | | Bill Nolan |
| East of Downtown | 218 E. Lancaster Avenue | Starbucks | | | | |
| | 236 - 218 E. Lancaster Avenue | Joe's Place to Starbucks | 0 | | | |
| | 212 E. Lancaster Avenue | TD Bank | 2 | | | |
| | 223 E. Lancaster Avenue | Le Pain de Quotidien | 2 | | | |
| | 104 South Aberdeen Avenue | Saint Katherine's Church - on Aberdeen near Windemere | 2 | | | Monsignor Hans Brouwers |
| | 110 and 107 North Aberdeen Avenue | The Tailor Shop and Radnor Veterinary Hospital | | | | |
| | ~ 320 E. Lancaster Avenue | Old Saint Davids Post Office | | | | |
| | 400 E. Lancaster Avenue | Target Sports Marketing | | | | |
| | 404 E. Lancaster Avenue | | | | | |
| 418 E. Lancaster Avenue | Total Access Medical | | | | Bob Morris | |

2020 Fall Tree List - 4Aug2020 - BOC

| | | | | | | |
|--------------|-------------------------|----------------------|-----------|----------|----------|-------|
| | 420 E. Lancaster Avenue | RMI Insurance | | | | |
| | Cambria Court | Sheldrake Apartments | 1 | | | Eadeh |
| | Plant Avenue | PECO Substation | | | | |
| TOTAL | | | 59 | 5 | 6 | |

RESOLUTION NO. 2020-82

**A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY, AUTHORIZING
THE AWARD OF THE DESIGN CONTRACT FOR THE STREAM BANK
STABILIZATION AT 210 GULPH CREEK ROAD TO CARROLL ENGINEERING IN
THE AMOUNT OF \$12,543.**

WHEREAS, by virtue of an easement agreement dated November 7th, 1952, between the owners of 210 Gulph Creek Road and Radnor Township

WHEREAS, Radnor Township is required to address erosion of the banks of Gulph Creek at the aforementioned location

WHEREAS, Carroll Engineering has provided a cost proposal for the design and permitting of an extension of an existing retaining wall at 210 Gulph Creek Road

NOW, THEREFORE, be it *RESOLVED* by the Board of Commissioners of Radnor Township does hereby Award of the Design Contract for the Stream Bank Stabilization at 210 Gulph Creek Road to Carroll Engineering in the amount of \$12,543.

SO RESOLVED this 10th day of August, A.D., 2020

RADNOR TOWNSHIP

By: _____
Name: John Larkin
Title: President

ATTEST: _____
William M. White
Manager/Secretary

Radnor Township

PROPOSED LEGISLATION

DATE: August 3, 2020

TO: Radnor Township Board of Commissioners

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

CC: William M. White, Township Manager

LEGISLATION: Resolution #2020-82: Authorizing the Award of the Design Contract for the Stream Bank Stabilization at 210 Gulph Creek Road to Carroll Engineering in the amount of \$12,543.

LEGISLATIVE HISTORY: The Township has an Easement Agreement, dated November 7th, 1957 (please see attached), to install a storm drain outfall on the property at 210 Gulph Creek Road. The agreement states that the township is responsible to prevent encroachment of Gulph Creek on said property. In 2012, the Board of Commissioners authorized the sealed bid and subsequent construction contract to install a retaining wall on this property. The retaining wall abutted an existing stone retaining wall (please see attached plan). Severe weather events have compromised that existing stone retaining wall, requiring the installation of +/- 12' of retaining wall.

PURPOSE AND EXPLANATION: Carroll Engineering has provided a proposal to provide design, permitting, bidding documents and construction administration services, as well as a construction cost estimate for the 12" of retaining wall. Once this work is completed, we will return to the Commissioners to seek approval on receiving sealed bids for the project.

IMPLEMENTATION SCHEDULE: Pending Commissioners approval, a purchase order will be processed. Carroll Engineering will commence with the design and permitting the permitting process could take three to six months. If the permitting process does take six months, we will request authorization to receive sealed bids in Q1, 2021.

FISCAL IMPACT: This project is funded by the 04 Stormwater Fund in the amount of \$12,543.



Carroll Engineering Corporation

July 31, 2020

Sent via Email

Stephen F. Norcini, P.E., Township Engineer
Radnor Township
301 Iven Avenue
Wayne, PA 19087-5297

Subject: Engineering Services Proposal - 210 Gulph Creek Road Stream Bank Stabilization

Dear Steve:

Carroll Engineering Corporation (CEC) is pleased to submit this proposal for the subject project. CEC understands Radnor Township wishes for us to complete the design, permitting, technical specifications preparation, and provide construction administration services for the stabilization of the stream bank along the southern portion of the 210 Gulph Creek Road parcel (ID 36020103201). There is approximately a 50-foot section of stream bank which is presently an eroded lawn area which will have large riprap installed akin to the existing riprap used for the previous stabilization project. An existing redi-rock wall having an approximate length of 110 feet shall be extended by approximately 12-15 feet to the north to the common property boundary with 220 Gulph Creek Road. Additionally, the toe of the existing redi-rock wall shall have riprap applied for added erosion protection. The site shall be accessed using the existing driveway, which shall be appropriately protected / restored, and from Gulph Creek Road at the eastern corner of the subject parcel. Existing fencing and landscaping shall be temporarily moved and restored to its preconstruction condition.

Carroll Engineering Corporation proposes to provide the services detailed below in accordance with the following Scope of Work and Fee Estimate.

I. SCOPE OF WORK

A. Survey/Base Plan Preparation

1. We propose to use our field crews to provide field survey services, and prepare signed and sealed topographic survey data in AutoCAD C3D format. The site survey will locate existing features across the entire property with topographic points taken over the portion of the site to be improved (i.e. area to the south of the existing dwelling) to facilitate preparation of a plan with a one-foot contour interval. Elevations will be taken at critical locations, including paved areas, stream bed, and rock wall(s). The CAD plan of topography will be used to prepare plans for site improvements.

Today's Commitment to Tomorrow's Challenges

Corporate Office:
949 Easton Road
Warrington, PA 18976
215.343.5700

630 Freedom Business Center
Third Floor
King of Prussia, PA 19406
610.489.5100

101 Lindenwood Drive
Suite 225
Malvern, PA 19355
484.875.3075

105 Raider Boulevard
Suite 206
Hillsborough, NJ 08844
908.874.7500

2. Our survey personnel shall reference the plan titled "210 Gulph Creek Road Stream Stabilization", prepared by Gilmore and Associates, Inc., dated April 3, 2012 for the subject parcel boundary and other existing features in preparing the base plan. Any additional time required to conduct the research and obtain all available parcel data from the Delaware County Courthouse or prepare additional easements shall be provided under a separate proposal as needed.

B. Site Improvement Plan Preparation

1. Plans will be prepared in accordance with applicable regulations of the Delaware County Conservation District as indicated below for a General Permit submission. We propose to prepare the following plans:
 - a. Overall Site Improvement Plan
 - b. Erosion and Sediment Control Plan
 - c. Erosion and Sediment Control Details and Notes
 - d. Construction Details

C. Permitting

1. Plans will be submitted to the Delaware County Conservation District for the issuance of the General Permit 3 for the proposed bank stabilization of Gulph Creek and an adequacy review of the Erosion and Sediment Pollution Control Plan. All application fees and escrow fees will be paid by the Client.
2. A PNDI shall be obtained and additional coordination with any of the four (4) agencies listed on the receipt shall be adequately addressed.

D. Specifications / Bidding Assistance

1. Technical specifications shall be prepared, including an itemized bid form which we will provide to the Township. We assume the Township will provide the front-end specifications and be responsible for the solicitation of bids.
2. The following additional services will be provided during the bidding proceedings:
 - a. Attend and provide assistance during the pre-bid meeting, and prepare meeting minutes (if necessary).
 - b. Prepare responses to questions, and addenda documentation (as necessary) during the bidding proceedings

E. Construction Phase Services

1. CEC provide the following services during the construction of the bank stabilization:
 - a. Attend and provide assistance during the pre-construction meeting, and prepare meeting minutes (if necessary).

- b. Provide intermittent on-site observation during construction verify satisfactory completion of major work elements. (assumes equivalent of approximately three (3) days of field time).
- c. Provide responses to contractor RFI's, as necessary.
- d. Review contractor material submittals and any change orders.
- e. Provide final punch list inspection.

II. CONTRACT TERMS

| | |
|--|------------|
| 1. Survey/Base Plan Preparation | \$2,500.00 |
| 2. Site Improvement Plan Preparation..... | \$3,350.00 |
| 3. Permitting..... | \$2,235.00 |
| 4. Specifications Bidding Assistance | \$1,125.00 |
| 5. Construction Phase Services | \$3,333.00 |

NOT TO EXCEED FEE TOTAL..... \$12,543.00

CEC proposes to provide services described herein for a **Not to Exceed** fee of **\$12,543.00** to be invoiced on an hourly basis in accordance with our standard rate schedule. Said fee is based on CEC's understanding of the project scope, as described herein.

EXCLUSIONS

Services not included in this proposal, but may be provided for additional fees include:

- A. Environmental and/or Wetland Investigations
- B. Easement Legal/Exhibit Preparation
- C. Additional Meetings
- D. Utility Investigation/Survey (except for PA One-Call / Design)

The fees stated herein are for the basic services described in this proposal. If additional services are required, these will be invoiced on the basis of our standard hourly rates following your approval to proceed with same.

This proposal and the attached Standard Consulting Contracting Terms and Conditions represent the entire understanding between you and this office with respect to this project and may only be modified, in writing, signed by both of us. If this proposal satisfactorily sets forth your understanding of the arrangement between us, please execute the attached copy of this letter in the space provided and return same to this office. We would expect to start our services promptly after receipt of your acceptance of this proposal. Our basic services will be considered complete upon the submittal of the final acceptance of punch list items.

Stephen F. Norcini, P.E., Township Engineer

Page 4

July 31, 2020

Thank you for the opportunity to present this proposal. Should you have any questions or require additional information, please do not hesitate to contact me at 215-343-5700, extension 265 or cpeterson@carrollengineering.com.

Very truly yours

CARROLL ENGINEERING CORPORATION

Christopher A. Peterson

Christopher A. Peterson, P.E.

CAP:cam

Attachments

cc: Dennis Capella, Project Manager, Radnor Township

Joel H. Ardman, Vice President, CEC

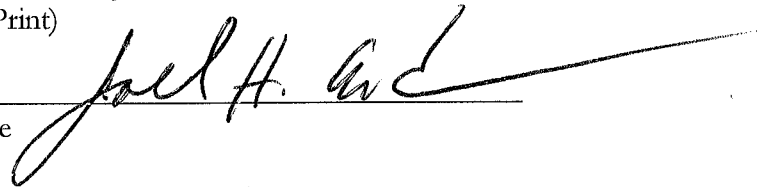
Accepted this 31st day of July, 2020, for:

Carroll Engineering Corporation, by:

Joel H. Ardman

Name (Print)

Signature



Vice President

Title

Accepted this ____ day of _____, 20____, for:

Radnor Township, by:

Name (Print)

Signature

Title

CARROLL ENGINEERING CORPORATION
2020 STANDARD CONSULTING CONTRACTING TERMS AND CONDITIONS

These terms and conditions set forth herein are included by reference in the Letter Agreement for the performance of engineering services which are described in the Letter. The Letter Agreement shall take precedence over these General Provisions to the extent there is any inconsistency or contradictory statement. The parties agree that these Standard Terms and Conditions shall apply to any additions to, or modifications of, the Scope of Work in the Agreement. It is agreed that Carroll Engineering Corporation and Owner may use their standard business forms (such as purchase orders, acknowledgement, etc.) to administer the activities under this contract. However, Carroll Engineering Corporation expressly rejects the terms and conditions which may be contained in those business forms. The parties agree that the use of such forms shall be solely for the convenience of the party, whether or not such document is signed. None of the provisions, terms, and conditions contained on such forms shall be applicable to this Agreement. The Owner agrees that any alteration of this Agreement shall not be binding except if it is in writing and signed by an officer of Carroll Engineering Corporation, except for the following: the Scope of Work may be altered by the parties in the field, upon written authorization of client or client's agents or employees. The Client is invited to request changes to these terms & conditions, and assumes the risk of failing to read or understand each individual item.

1. **Timing of Proposal:** Carroll Engineering Corporation agrees that the Letter Agreement shall remain open and may be accepted by Client for thirty (30) days from the date of the Letter. Acceptance of the Agreement after the end of the 30-day period shall be valid only if CEC elects to reaffirm the Letter Agreement.
2. **General:** Carroll Engineering Corporation (hereinafter referred to as CEC) shall perform professional services in connection with the project and in accordance with the scope of services established by Client and described in the proposal. CEC will strive to perform services under the Agreement in a manner consistent with generally accepted principals of engineering practice, and consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality, under similar conditions, and at the same time. No other representation, expressed or implied, and no warranty or guarantee is included or intended in the Agreement or in any report, opinion, document or otherwise. Services not stated in the proposal shall be considered as additional services. Any additional services will be completed on the basis of CEC's standard hourly rates, plus reimbursable expenses. If Client requests CEC to provide additional engineering services on this project or a related project before a written agreement is consummated for the other services, the terms and conditions of this Letter Agreement shall apply in full.
3. **Reliance on Information Provided by Others:** Client agrees to indemnify and hold CEC harmless from and against any and all damages, liabilities, and costs, including costs of defenses, arising out of the use of documents and information provided by Client, excepting only those damages, liabilities, and costs for which CEC is found to be solely liable by a court or forum of competent jurisdiction.
4. **Subconsultants:** CEC has the right to employ or retain such independent consultants, associates and subcontractors as it may deem appropriate to assist it in the performance of the services required. The fee for all consultants contracted directly by CEC will be invoiced at 1.1 times actual cost.
5. **Authority to Sign:** The individual signing this Letter Agreement warrants that he has authority to sign as, or on behalf of, client for whom or for whose benefit CEC's services are rendered. If such individual does not have such authority, he understands and agrees that he is personally responsible for this Letter Agreement to CEC in addition to any liability that Client may have.
6. **Assigns:** Neither Client nor CEC shall assign, sublet, or transfer interest in this agreement without the written consent of the other.
7. **Third Party Beneficiaries:** Nothing under this Letter Agreement shall be construed to give any rights or benefits in this Letter Agreement to anyone other than Client and CEC. All duties and responsibilities undertaken pursuant to this Letter Agreement will be for the sole and exclusive benefit of client and CEC and not for the benefit of any other party.
8. **Client Responsibility:** Client shall make all provisions for the Engineer to enter upon public or private property, shall provide legal services required for the project, and shall pay all fees incidental to obtaining permits for the project. It is understood CEC is acting as a consultant for Client to provide advice and consultation on the proposed project. Client shall designate a person to act with authority on his behalf in respect to all aspects of the project, shall examine and respond promptly to CEC's submissions, and give prompt written notice to CEC whenever he observes or otherwise becomes aware of any defect in the project. Client shall be responsible for the outcome of any applications associated with the proposed project. In the event Client does not respond to a submission from CEC within five (5) calendar days, Client shall be considered to have given its approval.
9. **Legal Matters:** Client shall provide legal services for all phases of the project. CEC will not express legal opinions or become an advocate in the law before public agencies. In the event CEC attends public meetings or otherwise represents Clients, said representation is for the strict purpose of providing technical expertise in the practice of engineering. In the event a record must be made or an agreement of the owner is necessary, CEC will not represent Clients in such legal matters.
10. **Duties of Public Official:** CEC will not accept responsibility and will be held harmless by the Owner for any item which by law is clearly assigned to a public official and which requires approval by said official, regardless of any recommendation or review completed by CEC in order for said official to perform the assigned duties.

CARROLL ENGINEERING CORPORATION
2020 STANDARD CONSULTING CONTRACTING TERMS AND CONDITIONS

11. **Engineering Fees:** Fees for engineering services shall be as so stated in the proposal/contract. Carroll Engineering Corporation reserves the right to adjust fees on the basis of annual standard hourly rate adjustments during January of each calendar year. Fee adjustments will typically be made for projects continuing for more than one year, unless otherwise stated in the proposal/contract.
12. **Meeting Attendance:** In order to provide a fair and reasonable cost for professional services, the fee stated in the proposal does not include attendance at meetings unless otherwise stipulated.
13. **Reimbursable Expenses:** Direct expenses shall be considered an additional charge, unless otherwise stated in the contract. Such expenses shall be in accordance with the current CEC Reimbursable Expenses Tabulation (see attached).
14. **Retainer:** A retainer is required from Client prior to starting work, unless waived by a Corporate Officer. Such retainer will represent a credit in Client's account with the consultant, against which subsequent consultant invoices will be charged. When the retainer has been used up, Client must pay all additional invoiced charges that exceed the retainer.
15. **Payment:** Payments shall be made to CEC on the basis of invoices for services rendered. Payment shall be due within thirty (30) days of the date on the invoice presented. If Client fails to make full payment due CEC within thirty (30) days, a charge at the rate of 1-1/2% per month will be applied to the unpaid balance. CEC reserves the right to retain all plans, documents and related project material, and to suspend or terminate services under this agreement until full payment for services and any accumulated charges is made. It shall be understood that if Client fails to make any payment within 90 days, CEC will submit an invoice via certified mail, and will suspend all services with no other notice to Client until all outstanding balances are paid. In the event an action to enforce overdue payments under the agreement is filed, Client agrees to indemnify and hold harmless CEC from and against any and all reasonable fees, expenses and costs incurred by CEC, including, but not limited to, arbitration and attorney's fees, court costs, and other claims-related expenses.
16. **Termination:** This agreement is subject to termination by Client or CEC, with seven days prior written notice, should the other fail to perform his obligation hereunder. In the event of any termination, CEC shall be paid for all services rendered to the date of termination, all reimbursable expenses and reimbursable termination expenses, if all services have been satisfactorily performed.
17. **Limitation of Liability:** CEC shall perform the services under this Letter Agreement with the care and skill ordinarily used by members of CEC's profession practicing under similar conditions at the same time and in the same locality. There are no other warranties, express or implied in this Letter Agreement or in any reports, opinions, drawings, specifications or other documents furnished under this Letter Agreement, or otherwise. CEC shall not be liable for the results of services performed with professional care and skill. To the fullest extent permitted by law, CEC's total liability to Client for any and all injuries, claims, losses, expenses or damages whatsoever arising out of or in any way related to the Project or this Letter Agreement from any cause or causes including, but not limited to CEC negligence, errors, omissions, strict liability, intentional acts, breach of contract or breach of warranty shall not exceed \$50,000 or the amount of total compensation under this Letter Agreement, whichever is greater. It is understood CEC's liability will extend to those matters that can be discovered by a knowledgeable Professional using a reasonable amount of effort. Should Client find the above terms unacceptable, CEC will obtain Professional Liability Project Insurance covering only this project and invoice Client for any additional insurance program.
18. **Indemnification:** To the fullest extent permitted by law, CEC shall indemnify Client, its officers, directors, partners, employees, and representatives, from and against losses, damages, and judgments arising from claims by third parties, including reasonable attorneys' fees and expenses recoverable under applicable law, but only to the extent they are found to be caused by a negligent act, error, or omission of CEC or CEC's officers, directors, members, partners, agents, employees or subconsultants in the performance of services under this Agreement.

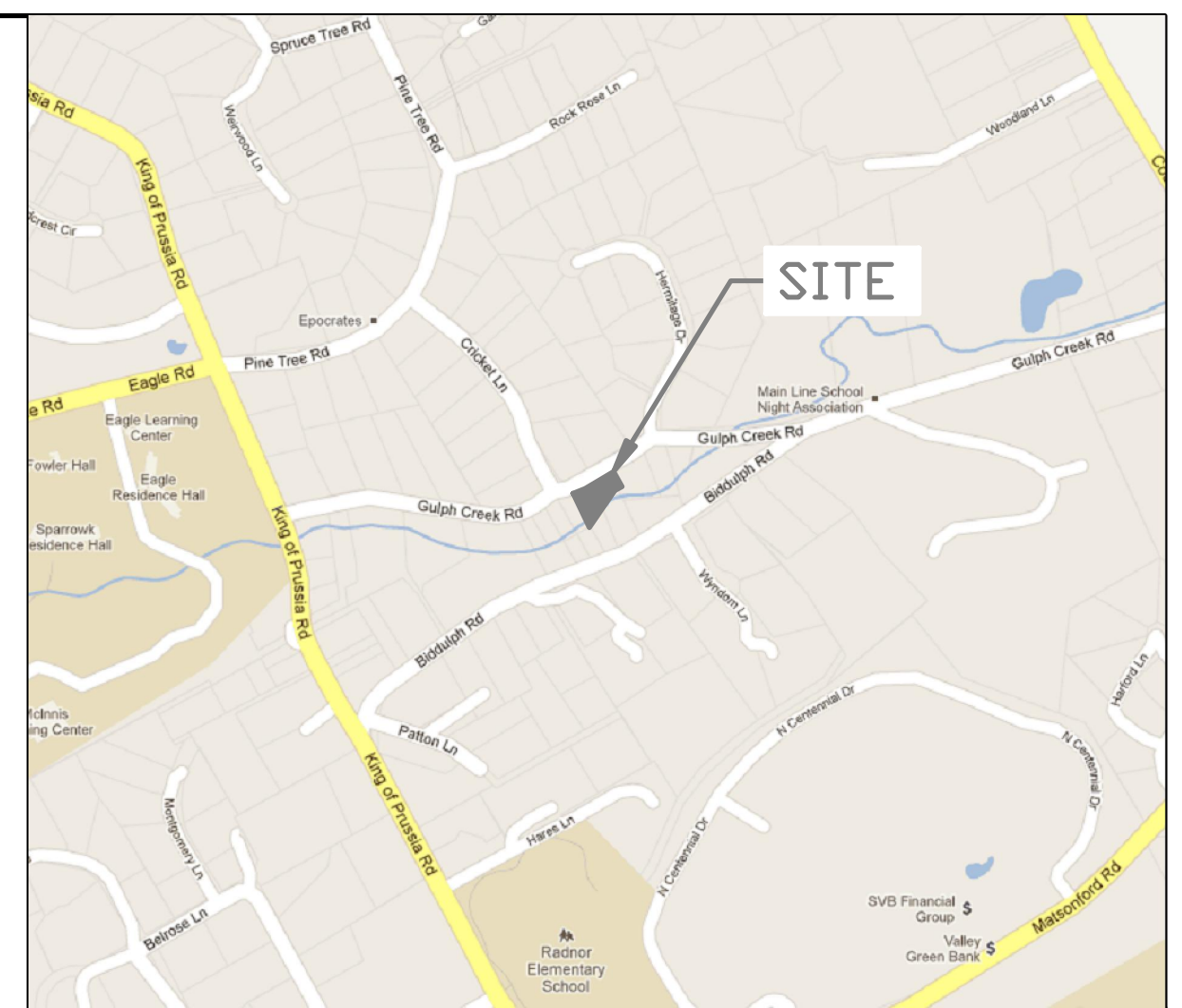
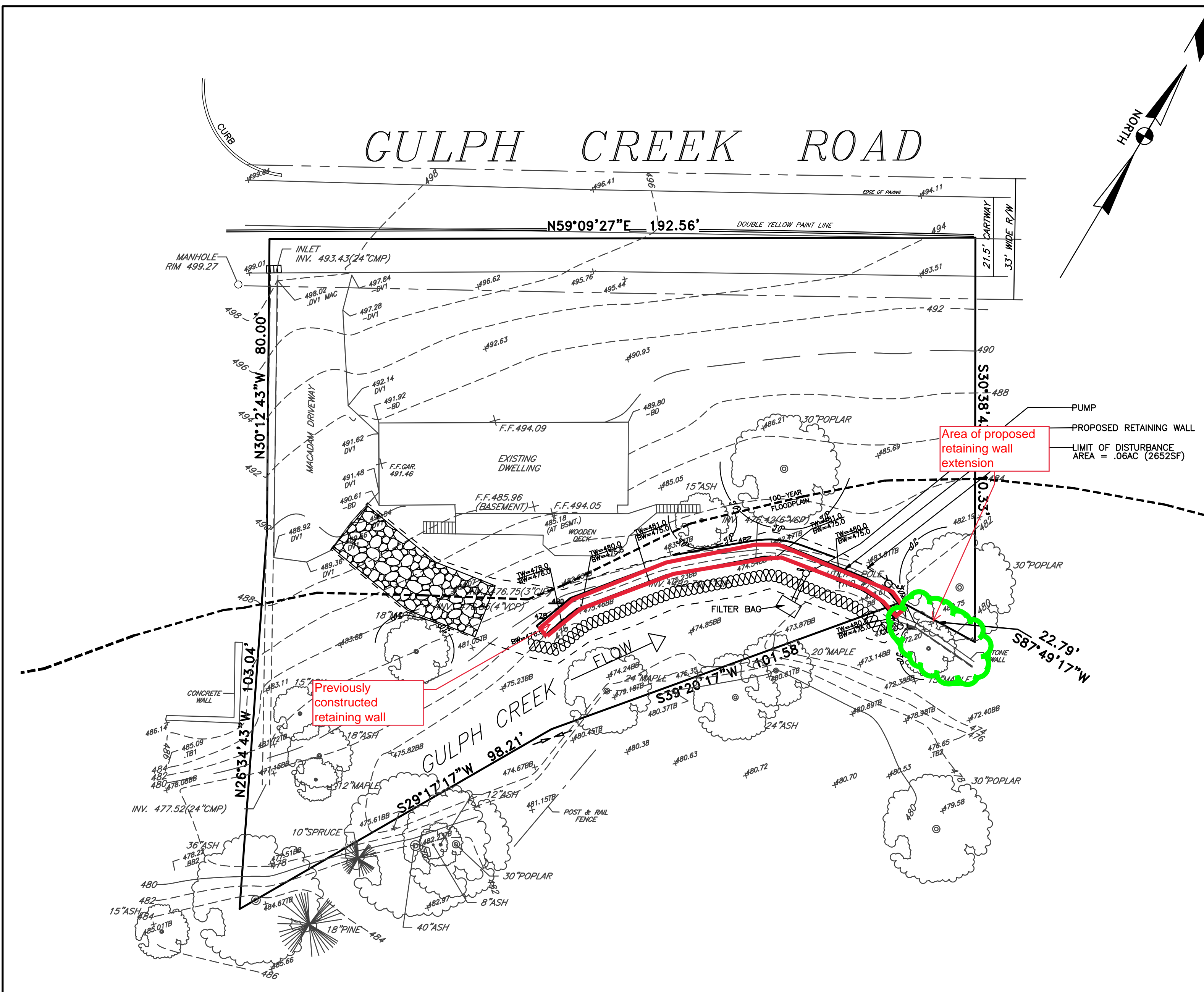
To the fullest extent permitted by law, Client shall indemnify CEC, its officers, directors, partners, employees, and representatives, from and against losses, damages, and judgments arising from claims by third parties, including reasonable attorneys' fees and expenses recoverable under applicable law, but only to the extent they are found to be caused by a negligent act, error, or omission of Client or Client's officers, directors, members, partners, agents, employees or subconsultants in the performance of services under this Agreement.
19. **Force Majeure:** Neither party shall hold the other responsible for damages or for delays in performance caused by force majeure, acts of God, unusual weather conditions, unanticipated site conditions, changes in applicable law, or other acts or circumstances beyond the control of the other party or that could not have been reasonably foreseen and prevented. Should such acts or circumstances occur, both parties shall use their best efforts to overcome any difficulties arising from such events and to resume the project as soon as reasonably possible.
20. **Use of Documents:** All documents, including plans, specifications, field notes, reports, computer files, etc. prepared by CEC pursuant to this Letter Agreement are instruments of service and shall remain the property of CEC whether or not the project for which they are made is executed. Upon payment for services, CEC will grant client a limited license to use all documents for the purpose intended under the scope of services being provided. This license is not transferable without CEC approval. Documents are not intended or represented to be suitable for use without appropriate signatures and professional seal and are not intended for reuse or extension of the project or on any other project. The

CARROLL ENGINEERING CORPORATION
2020 STANDARD CONSULTING CONTRACTING TERMS AND CONDITIONS

Engineer will invoice for reproduction cost plus direct expenses associated with preparation of these documents. It shall be understood no professional certifications, seals, or signatures will be provided with reproducible plans, computer files, and similar documents. Client hereby agrees that copies of documents will not be made by anyone, other than CEC, without the written approval of CEC if the documents contain a signature, seal, or certification. If a limited license is granted and digital files are released, CEC does not guarantee the files will be compatible with licenses, systems, software application packages, or computer hardware.

21. **Record Documents:** Client may contract with CEC for preparation of record, as-constructed, or corrected documents conforming to constructed conditions. If CEC's professional services do not include full-time construction observation and recording of the contractor's work, the engineer will compile said documents conforming to the construction records of the contractor as provided to CEC if the agreement provides for such services. The documents will show the reported location of the work. The information submitted to CEC will be assumed to be reliable and CEC will not be responsible for the accuracy of this information, nor for any errors or omissions that may appear in the record documents as a result.
22. **Certifications:** CEC does not maintain professional liability insurance covering liability associated with many certifications requested by clients. In the event a certification is requested, the Client must totally indemnify CEC against any and all costs, damages, and other expenses that could arise from the issuance of such certifications. As an alternative, CEC will determine an additional fee associated with the risk of certification. The fee will be due and payable prior to issuance of the certification.
23. **Dispute Resolution:** All claims, counterclaims, disputes and other matters in question between the parties hereto arising out of or relating to this agreement or the breach thereof will be decided by arbitration in accordance with the Construction Industry Arbitration Rules of the American Arbitration Association. This agreement to arbitrate will be specifically enforceable under the prevailing arbitration law of any court having jurisdiction. All demands for arbitration and all answering statements thereto which include any monetary claim must contain a statement of the total sum or value in controversy. The arbitrators will not have jurisdiction, power or authority to consider, or make findings (except in denial of their own jurisdiction) concerning any claim, counterclaim, dispute or other matter in question where the amount in controversy of any such claim, counterclaim, dispute or matter is more than \$200,000 (exclusive of interest and costs). No arbitration arising out of, or relating to, this agreement may include, by consolidation, joinder or in any other manner, any person or entity who is not a party to this agreement. The award rendered by the arbitrators will be final. Judgment may be entered upon it in any court having jurisdiction thereof, and will not be subject to modification or appeal except to the extent permitted by Section 10 and 11 of the Federal Arbitration Act (9 U.S.C.10,11).
24. **Hazardous Substances:** Client represents and warrants to CEC that it has and will comply with all obligations imposed by applicable law upon the generation, storage or disposal of hazardous substances and/or waste and that it will promptly notify CEC of any notices concerning such matters. Client agrees to hold harmless, indemnify and defend CEC from and against any and all damages and liabilities and expenses arising out of or in any way connected with the presence, discharge, exposure, release, or escape of hazardous substances, or wastes of any kind, excepting only such liability as may arise out of the sole negligence of CEC in the performance of services under this Letter Agreement. It is understood and agreed by both parties that design professional, in performing professional services for Owner with respect to hazardous substances, will make recommendations to Owner with respect thereto, but does not have the authority nor shall be required to become an "arranger", "operator", "generator", or "transporter" of hazardous substances as defined on the Comprehensive Environmental Response, Compensation, and Liability Act of 1990 (CERCLA).
25. **Cost Estimate:** Since CEC has no control over the cost of labor, materials, or equipment, CEC opinions of probable project construction costs are made on the basis of experience and qualifications and represent a best judgement as a design professional familiar with the construction industry. CEC cannot and does not guarantee that proposals, bids, or the construction costs will not vary from opinions of probable costs prepared by CEC.
26. **Performance of Others:** During the course of this engagement, the design professional may be required to report on the past or current performance of others engaged, or being considered, for engagement, directly or indirectly, by the Client; and to render opinions and advise in that regard. Those about whom reports and opinions are rendered may, as a consequence, initiate claims for libel or slander against the Design Professional. To help create an atmosphere in which the Design Professional feels free to be candid, the Client agrees to waive any claim against the Design Professional, and to defend, indemnify, and hold the Design Professional harmless from any claim or liability for injury or loss allegedly arising from professional opinions rendered by the Design Professional to the Client or the Client's agents. The Client further agrees to compensate the Design Professional for any time spent, or expenses incurred, by the Design Professional in defense of any such claim, in accordance with the Design Professional's prevailing fee schedule and expense reimbursement policy.
27. **Dangerous Situations:** CEC accepts no right or obligation of the Client or Contractor as a direct or indirect result of the performance of professional services for responsibility of construction means, methods, techniques, or sequences. CEC accepts no responsibility for developing, implementing, monitoring, or supervising safety precautions and programs. Such items are solely the responsibility of the contractor and his subcontractors. CEC does not accept the responsibility or assume the authority to stop work, said responsibility residing with the Client and contractor.

28. Review of Contractor's Performance: It is understood and agreed that CEC's basic services under this agreement do not include full-time construction observation or review of the Contractor's performance. Client acknowledges the importance of such services and, should client have such services performed by a party other than CEC, then Client shall assume responsibility for interpretation of the contract documents and for construction observation and shall waive any claims against CEC that may be in any way connected thereto. In addition, if CEC does not perform construction observation, Client shall, to the fullest extent permitted by law, indemnify and hold CEC harmless from any loss, claim, or cost, including reasonable attorneys' fees and costs of defense, arising or resulting from the performance of such services by other persons or entities and from any and all claims arising from modifications, clarifications, interpretations, adjustments, or changes made to the Contract Documents to reflect changed field or other conditions, or for a contractor's performance, or the failure of a contractor's work to conform to the design intent and the contract documents, except for claims arising from the sole negligence or willful misconduct of CEC. If this agreement provides for construction phase services by CEC, it is understood that the contractor, not CEC, is responsible for the construction of the project, and that CEC is not responsible for the acts or omissions of any contractor, subcontractor, or material supplier; for safety precautions, programs or enforcement, or for construction means, methods, techniques, sequences and procedures employed by the Contractor.
29. Laws, Rules, Codes, Ordinances and Regulations: CEC will use professional efforts and judgments to interpret applicable ADA requirements and other federal, state, and local laws, rules, codes, ordinances, and regulations as they apply to the project, but CEC cannot and does not warrant or guarantee that the project will comply with all interpretations of the ADA requirements and/or requirements of other federal, state, and local laws, rules, codes, ordinances, and regulations as they may apply to the project.



SEEDING AND MULCHING SCHEDULE

- SITE PREPARATION, STABILIZATION AND MAINTENANCE SHALL BE PERFORMED IN ACCORDANCE WITH PENN STATE UNIVERSITY'S "THE AGRONOMY GUIDE" AND PENNDOT FORM 408 SPECIFICATIONS' MOST RECENT EDITION.
 - TEMPORARY SEEDING SPECIFICATION FORMULA E - ANNUAL RYE GRASS
 - PERMANENT SEEDING SPECIFICATION FORMULA B - 50% KENTUCKY BLUEGRASS MIXTURE 30% PENNLAWN RED FESCUE 20% PERENNIAL RYEGRASS MIXTURE
 - STEEP SLOPE SEEDING SPECIFICATION FORMULA W - 70% TALL FESCUE 20% BIRDSFOOT TREFLOIL MIXTURE 10% REDTOP
 - SEEDING RATE FOR THE ABOVE MIXTURES:
 - 10 LBS/1,000 SY FOR TEMPORARY SEEDING
 - 21 LBS/1,000 SY FOR PERMANENT SEEDING
 - 11 LBS/1,000 SY FOR STEEP SLOPE SEEDING
 - HAY OR STRAW MULCH SHALL BE APPLIED AT THE RATES OF AT LEAST 3.0 TONS PER ACRE. STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN.
- PULVERIZED AGRICULTURAL LIMESTONE AND COMMERCIAL FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS WHICH ARE TO BE SEED EXCEPT FOR TEMPORARY SEED AREAS AT THE FOLLOWING RATES:
 - PULVERIZED AGRICULTURAL LIMESTONE - 90 LBS/1,000 SF
 - 10-20-20 ANALYSIS COMMERCIAL FERTILIZER - 20 LBS/1,000 SF

NOTE: APPLICATION OF LIME AND FERTILIZER FOR TEMPORARY SEEDING IS UNNECESSARY AND ONLY SERVES TO CONTRIBUTE TO AN OVERABUNDANCE OF NUTRIENT POLLUTION IN THE WATERSHED.
- PERMANENT SEEDING SHALL TAKE PLACE FROM MARCH 15 TO JUNE 1 OR FROM AUGUST 1 TO OCTOBER 15. IF COMPLETED AT IN OTHER SEASONS, AREAS SHALL RECEIVE TEMPORARY SEEDING AND 3.0 TONS PER ACRE MULCH.

SEQUENCE OF CONSTRUCTION:

- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED, UNLESS NOTED OTHERWISE. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.
- AT LEAST 7 DAYS PRIOR TO START OF WORK OR EARTH DISTURBANCE ACTIVITIES, A PRECONSTRUCTION MEETING SHALL BE HELD INCLUDING THE OWNER, SITE CONTRACTOR, DELAWARE COUNTY CONSERVATION DISTRICT, AND THE PLAN DESIGNER.
- INSTALL ROCK CONSTRUCTION ENTRANCE, COFFERDAM, AND BYPASS PUMP.
 - EXCAVATE FOR PROPOSED RETAINING WALL.
 - INSTALL RETAINING WALL.
 - REGRADE EMBANKMENT PER THE APPROVED PLANS. STABILIZE THE DISTURBED AREAS IMMEDIATELY WITH EROSION CONTROL BLANKET AND SEED.
 - REMOVE ALL EROSION AND SEDIMENT CONTROL FACILITIES ONCE FINAL STABILIZATION HAS BEEN ACHIEVED AND INSPECTED BY THE TOWNSHIP AND DELAWARE COUNTY CONSERVATION DISTRICT.

EROSION AND SEDIMENTATION CONTROL NARRATIVE

THE SITE IS A PROPERTY LOCATED IN RADNOR TOWNSHIP. THE PROPOSED PROJECT IS TO STABILIZE AN ERODING STREAM BANK. TO STABILIZE THE BANK, A RETAINING WALL WILL BE INSTALLED AND THE STREAMBANK WILL BE RETURNED TO A NATURAL STATE. THE PROPOSED RETAINING WALL WILL CONNECT TO AN EXISTING RETAINING WALL LOCATED AT THE DOWNSTREAM PROPERTY LINE.

THE STREAM, CONVEYED BY THE CULVERT, IS GULPH CREEK AND IS CLASSIFIED AS A WARM WATER FISHERY/MIGRATORY FISHES (WWM/F).

IN GENERAL, EROSION AND SEDIMENTATION POLLUTION CONTROL FOR THE SITE WILL BE ACCOMPLISHED BY PLACEMENT OF THE FOLLOWING CONTROL MEASURES: A COFFER DAM ALONG THE STREAMBANK, EROSION CONTROL BLANKET ON ALL DISTURBED AREAS, BYPASS PUMP AND FILTER BAG, SILT SOCK, AND ROCK CONSTRUCTION ENTRANCE. ALSO AIDING IN THE CONTROL OF EROSION AND SEDIMENT POLLUTION IS THE PROPER IMPLEMENTATION OF THE PLANNED SEQUENCE OF CONSTRUCTION, AS SHOWN ON THE PLANS.

ALL EROSION AND SEDIMENT POLLUTION CONTROL STRUCTURES WERE DESIGNED IN ACCORDANCE WITH PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION CHAPTER 102 REGULATIONS.

ALL EXCAVATED EXCESS MATERIAL DETERMINED TO BE USABLE AS NEEDED FILL MATERIAL WILL BE RETAINED ON SITE IN DESIGNATED STOCKPILE AREAS. THE STOCKPILE AREAS WILL BE COMPLETELY SURROUNDED BY SILT FENCE WHILE IN USE. ALL MATERIALS DETERMINED TO BE UNUSABLE ARE TO BE DISPOSED OF ON SITE IN AREAS LOCATED OUTSIDE OF FLOODPLAINS, DRAINAGE SWALES, WETLANDS, AND STEEP SLOPES.

THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL EROSION AND SEDIMENTATION POLLUTION CONTROLS AND SITE STABILIZATION. THE CONTRACTOR WILL ASSIGN ONE INDIVIDUAL TO BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL FACILITIES AND MEASURES. THE CONTRACTOR WILL NOTIFY THE CHESTER COUNTY CONSERVATION DISTRICT THREE (3) DAYS PRIOR TO ANY EARTHMOVING ACTIVITY AND WHEN EARTHMOVING ACTIVITIES CEASE.

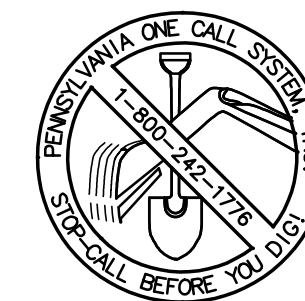
INSPECTION AND MAINTENANCE OF ALL TEMPORARY SEDIMENTATION CONTROL FACILITIES WILL BE MADE AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL SEDIMENT CLEANED OUT OF THE CONTROL STRUCTURES WILL BE CONSIDERED UNUSABLE AND IS TO BE DISPOSED OF ON SITE AS STATED ABOVE.

I, DAVID N. LEH, P.E., DO HEREBY CERTIFY PURSUANT TO THE PENALTIES OF 18 PA. C.S.A. SEC. 4804 TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THAT THE INFORMATION CONTAINED IN THE ACCOMPANYING PLANS, SPECIFICATIONS, AND REPORTS HAS BEEN PREPARED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE, IS TRUE AND CORRECT, AND IS IN CONFORMANCE WITH CHAPTER 106 OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

David N. Leh
DAVID N. LEH, P.E.

PENNSYLVANIA ONE CALL SYSTEM, INC.

925 Train Run Road
West Mifflin, Pennsylvania
15122 - 1078



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776
PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH

LEGEND

- XXX--- EXISTING CONTOURS
- XXX--- EXISTING INDEX CONTOURS
- XXXXXX EXISTING SPOT ELEVATIONS
- EXISTING UTILITY POLE
- EXISTING STORM INLET
- EXISTING RIGHT OF WAY
- EXISTING PROPERTY LINE
- PROPOSED CONTOURS
- ×BW-XXXX.XX PROPOSED SPOT ELEVATIONS, BOTTOM OF WALL
- ×TW-XXXX.XX PROPOSED SPOT ELEVATIONS, TOP OF WALL
- PROPOSED RETAINING WALL
- COFFER DAM
- TREE PROTECTION FENCING
- ROCK CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE

ONLY THOSE PLANS INCORPORATING THE PROFESSIONAL SEAL SHOULD BE CONSIDERED OFFICIAL AND RELIED UPON BY USER. THIS PLAN IS PREPARED SPECIFICALLY FOR THE CLIENT AND PROJECT DESIGNATED HEREON. MODIFICATION, REVISION, DUPLICATION OR USE WITHOUT THE CONSENT OF GILMORE & ASSOCIATES, INC. IS PROHIBITED.
© COPYRIGHT 2012 GILMORE & ASSOCIATES, INC. ALL RIGHTS RESERVED

| | | | |
|--|--|------------------------|--|
| OWNER: JAMES H. SOMERS 210 GULPH CREEK ROAD WAYNE, PA 19087 (610) 687-5104 | REV. [] DESCRIPTION [] DATE [] BY [] | TAX MAP PARCEL NO. [] | Preliminary/Final Plan |
| BOROUGH FILE NO.: | TOTAL AREA: [] Ac. | TOTAL LOTS: [] | SITE LAYOUT & GRADING PLAN |
| | DATE: 4/3/2012 | SCALE: 1" = 20' | 210 GULPH CREEK ROAD STREAM STABILIZATION |
| | | | RADNOR TOWNSHIP |
| | | | RADNOR TOWNSHIP, DELAWARE COUNTY, PENNSYLVANIA |
| | | | GILMORE & ASSOCIATES INC. |
| | | | ENGINEERING & CONSULTING SERVICES |
| | | | 184 WEST MAIN STREET, SUITE 300, TRAPPE, PA 19426 (610)-489-4949 |
| | | | www.gilmore-associ.com |
| | | | JOB NO.: 12-01106T |
| | | | SHEET NO. 1 OF 2 |
| | | | SCALE IN FEET |
| | | | DRN BY: MSM DES BY: MSM CHK BY: DNL APP BY: DNL |

210 Gulph Creek

RIGHT OF WAY
1957
Nov.
7th

DEED BOOK 1924 page 165.
Miriam C. Daugherty, widow

and

the Township of Radnor

Cons. \$1.00

The said Grantor does grant, bargain and sell unto the said Grantee, its successors and assigns, the free and uninterrupted right, use, livery and privilege to install, maintain, renew and replace at its sole cost, a 24" storm drain pipe of suitable construction for the discharge of surface water from Cricket Lane into Gulph Creek, together with the right to pass over and use the surface land over and adjacent thereto for the purpose of installing, maintaining, renewing and replacing said pipe as may be necessary or appropriate to facilitate such discharge of surface water to said stream, the center line of said strip of land over and through which said privilege is granted being described as follows:-

BEGINNING at a point in the middle of Gulph Creek Road at the distance of 1211.99' Southwest from the middle of Biddulph Road to a point, the place of beginning; thence crossing the land of Miriam C. Daugherty South 30° 12' East 185' more or less, ending at Gulph Creek.

Together with the free ingress, egress and regress to and for the said Grantor, its successors and assigns, its workmen, servants, agents, employees and contractors, at all convenient times and seasons, for the purpose of constructing, cleansing, maintaining, improving, installing and renewing the above mentioned storm water sewer.

To have and To hold all and singular the premises, rights and privileges hereby granted, or mentioned or intended so to be, with the appurtenances, unto the said Grantee, its successors and assigns, to and for the only proper use and behoof of the said Grantee, its successors and assigns, forever.

And the said Grantee does hereby covenant and agree that it, the said Grantee, its successors and assigns, shall and will at its own sole cost and expense, whenever, by the exercise of the rights and privileges hereunto granted to it, the lands, structures, trees or shrubbery of the Grantors, or any of them, shall have been excavated, penetrated or disturbed, restore such lands, structures, trees or shrubbery as nearly as may be reasonably possible to the conditions thereof obtaining before such excavation, penetration or similar disturbance.

And the said Grantee does further covenant and agree that said storm water drain shall be constructed at such depth that it will not interfere with the free use of the surface of the ground.

And the said Grantee does hereby covenant and agree to indemnify and to save harmless the aforesaid Grantors from any claim for damages arising out of the diversion of the water and increasing the size and flow of Gulph Creek by discharge of storm water from the aforementioned storm water sewer.

And the said Grantee does hereby covenant and agree that it will, at its sole cost and expense, take such steps as may be necessary by the erection of a retaining wall or otherwise to prevent the encroachment of Gulph Creek upon land of the above named Grantors resulting from the discharge of the water into Gulph Creek from the aforementioned storm water sewer.

And the said Grantee does hereby covenant and agree that the covenants and agreements of the Grantee herein above contained shall run to and enure to the benefit of the heirs, executors, administrators and assigns of the Grantor.

ACK. Nov. 7, 1957
REC'D Nov. 29, 1957
DEED BOOK 1924 page 165

Board Authorization
for the Emergency
Short Term Ithan
Creek Stream Bank
Stabilization at 790
Robinhood Road.

RADNOR TOWNSHIP ORDINANCE NO. 2020-16

AN ORDINANCE OF THE TOWNSHIP RADNOR, DELAWARE COUNTY, PENNSYLVANIA PROHIBITING THE MAKING OF UNNECESSARY AND EXCESSIVE CONSTRUCTION NOISE DURING CERTAIN HOURS

WHEREAS, the Township is empowered to ensure the public safety and to define conduct that constitutes disturbing the peace within the boundaries of the Township; and

WHEREAS, It is in the interest of the citizens of Radnor Township to ensure that public health, safety and welfare shall not be abridged by the making of excessive or offensive construction noises in the Township; and

WHEREAS, residents of Radnor Township have the right to peacefully enjoy their residence and community without excessive or offensive construction noise.

NOW, THEREFORE, the Board of Commissioners of Radnor Township, Delaware County, Pennsylvania, hereby ENACTS and ORDAINS the following ordinance revising Section 200-5 Construction work as follows:

Section 1: 200-5 Construction work.

- A. It shall be unlawful for any person, firm or corporation or their agents or employees owning or occupying any building, premises or other place in the Township of Radnor to operate or permit to be operated any type of machinery, appliance, equipment or hand tool which emits noise beyond the premise upon which the machinery, appliance, equipment or hand tool is being operated or used between the hours of 7:00 PM and 8:00 AM except for Sundays and Township, State or Federal holidays. On Sundays and holidays, construction noise shall only be permitted between 10 AM and 5PM.
- B. The Community Development Department shall be authorized to issue permits for emergency construction and repair upon submission of adequate proof of the necessity of such work.

Section 2. Repealer. All ordinances inconsistent herewith are repealed to the extent of such inconsistency.

Section 3. 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 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

By: _____

Name: Jack Larkin

Title: President

ATTEST: _____

William M. White, Secretary

RESOLUTION 2020-90

A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY, PENNSYLVANIA, AUTHORIZING THE TOWNSHIP MANAGER TO ENGAGE PFM TO PROVIDE FINANCIAL ADVISORY SERVICES FOR THE TOWNSHIP'S PROPOSED BOND ISSUE FOR NEW MONEY FOR STORMWATER CAPITAL IMPROVEMENTS

WHEREAS, the GFOA best practices recommend the hiring of a Financial Advisor (FA) to insure the best interests of the Township are being met with regards to bond financing; and

WHEREAS, PFM served in this same capacity for the Township as part of the Series 2014 Open Space bond transaction, 2015 Library/Park/Trail Bonds, the 2019 Sewer Notes and the Series 2019 General Obligation Capital Improvement Bonds. to the satisfaction of the Administration and the benefit of the taxpayers.

WHEREAS, the Township is considering a new money bond issuance for financing stormwater capital improvements and such issuance will necessitate the need of a financial advisor for the analysis and transaction.

NOW, THEREFORE, it is hereby *RESOLVED* by the Radnor Township Board of Commissioners appoints PFM to serve as the Disclosure and Pricing Agent for the proposed bond issuance at a price not to exceed \$9,700, with all costs being capitalized.

SO RESOLVED, this 10th day of August, A.D., 2020.

RADNOR TOWNSHIP

By: _____
Name: Jack Larkin
Title: President

ATTEST: _____
Name: William M. White
Title: Township Manager / Secretary

Radnor Township



PROPOSED LEGISLATION

DATE: August 10, 2020

TO: Board of Commissioners

FROM: Robert V. Tate, Jr., Finance Director 

LEGISLATION: Resolution 2020-90 authorizing the Township to engage PFM as an Independent Disclosure and Pricing Agent relating to the Township's upcoming bond transactions.

PURPOSE AND EXPLANATION: The Government Finance Officers Association (GFOA) has developed a series of best practices on the issuance of debt. Specific to this topic, GFOA's recommendation is that regardless of whether a municipality is doing a negotiated or competitive bond sale, which they hire a financial advisor to provide expertise and ensure that the Township's best interests are being met during the transaction.

Radnor has engaged PFM in prior financing transactions with excellent success.

FISCAL IMPACT: The cost of the engagement is set at \$9,700 for the bond transaction and will be capitalized in the cost of issuance.

RECOMMENDED ACTION: The Administration recommends that Board of Commissioners adopt Resolution 2020-90 to engage PFM at the August 10, 2020 meeting.

RESOLUTION 2020-91

A RESOLUTION OF RADNOR TOWNSHIP, DELAWARE COUNTY, PENNSYLVANIA, AUTHORIZING THE TOWNSHIP MANAGER TO ENGAGE COZEN O’CONNER AS BOND COUNSEL FOR THE TOWNSHIP’S PROPOSED BOND ISSUE FOR NEW MONEY FOR STORMWATER CAPITAL IMPROVEMENTS

WHEREAS, the Board of Commissioners appointed Cozen O’Conner as Bond Counsel for Radnor Township with the adoption of Resolution 2010-42; and

WHEREAS, Resolution 2010-42 recognized that the Township will continue to have on-going responsibilities associated with the various debt obligations that are currently outstanding or will be issued in the future and will need to insure that it has proper legal representation to prepare, assist and review all documents relative to those obligations; and

WHEREAS, the Township is considering a new money bond issuance for financing stormwater capital improvements and needs to ensure that it has necessary legal representation to prepare and review all documents relative to the proceedings.

NOW, THEREFORE, it is hereby *RESOLVED* by the Radnor Township Board of Commissioners authorize the Administration to utilize the services of Cozen O’Conner for the proposed bond issuance at \$10MM at a price ranging from \$25,750 to \$29,750, to be capitalized.

SO RESOLVED, this 10th day of August, A.D.,2020.

RADNOR TOWNSHIP

By: _____
Name: Jack Larkin
Title: President

ATTEST: _____
Name: William M. White
Title: Township Manager / Secretary

Radnor Township

PROPOSED LEGISLATION



DATE: August 10, 2020

TO: Board of Commissioners

FROM: Robert V. Tate, Jr., Director of Finance

Robert V. Tate, Jr.

LEGISLATION: Authorizing the Township to proceed with Cozen O'Conner as Bond Counsel for the proposed Series 2020 General Obligation Stormwater Capital Improvement Bonds.

LEGISLATIVE HISTORY: The Board of Commissioners appointed Cozen O'Conner as Bond Counsel with the adoption of Resolution 2010-42, adopted Monday September 13, 2010. Included in that Resolution was the recognition that future debt issues will arise and will require specialized legal assistance (from Bond Counsel). The Resolution for Monday night recognizes that Cozen O'Conner is the Township's Bond Counsel.

PURPOSE AND EXPLANATION: Municipal debt issuance is highly regulated both Federally and by State laws. As such, specialized legal counsel is recommended by both the ICMA and GFOA as best practice to ensure that the Township is properly advised and protected on all legal matters surrounding a debt transaction. Cozen O'Conner has served the Township since 2010 and has done an exemplary job. Suzanne Mayes has been professional, comprehensive and understanding in all matters surrounding these transactions; from dealing with the underwriter, to ensuring Federal Taxation Laws are considered and managed appropriately, to responding to the Board and Public to ensure questions are answered respectfully and thoughtfully.

FISCAL IMPACT: The cost of the legal services associated with a bond issuance of \$10MM will range from \$25,750 and \$29,750 of the total amount being transacted. Similar to other issuance costs, the bond counsel cost will be capitalized into the refunding and paid at closing.

RECOMMENDED ACTION: The Administration respectfully recommends that the Board of Commissioners adopt this legislation.

RESOLUTION No. 2020-92

**A RESOLUTION OF RADNOR TOWNSHIP
DELAWARE COUNTY, PENNSYLVANIA, ENCOURAGING ALL CITIZENS TO WEAR
FACE MASKS TO PREVENT THE SPREAD OF COVID-19**

WHEREAS, COVID-19 is a virus that is very easily spread from person to person via respiratory droplets when an infected person coughs, sneezes, or exhales air contaminated with COVID-19 within six feet from an uninfected person.

WHEREAS, COVID-19 cases in Delaware County and Pennsylvania have been steadily increasing from mid June. As of August 2nd, 2020 there have been 8,770 confirmed cases in Delaware County with 730 deaths. There have been more than 117,000 confirmed cases in the Commonwealth of Pennsylvania with 7,720 deaths.

WHEREAS, there is no known cure or vaccine for COVID-19.

NOW, THEREFORE, be it **RESOLVED** that the Board of Commissioners of Radnor Township highly recommends that all people wear face masks in public and practice hygiene measures to stop the spread of the virus. Wearing face masks in public, washing hands, and avoiding highly populated areas greatly reduces the likelihood of transmitting or contracting COVID-19.

SO IT BE RESOLVED this _____ day of August, 2020.

RADNOR TOWNSHIP

By: _____
Jack Larkin
President

Attest: _____
William White
Manager/Secretary

Reports of Standing Committees

New Business

Old Business
a. 108 W. Wayne
Avenue Proposed
Development

Public Participation

Adjournment