PA Office
2 East Market Street
Suite 2
Consulting Engineers and Planners
www.consulttrg.com

MD Office<br>901 Dulaney Valley Road<br>Suite 805<br>Towson, MD 21204-2624<br>T: (443) 275-2344

June 28, 2023
Liudmila (Mila) Carter
Assistant Township Manager and Director of Zoning \& Planning
Westtown Township
1039 Wilmington Pike
West Chester, PA 19382
RE: Stokes Estate - Conditional Use Application
Response letter to Westtown-East Goshen Regional Police Department
E-mail comments dated June 16, 2023
Westtown Township, Chester County
TRG Project No. 278.012.21
Dear Ms. Carter:
This letter addresses the comments outlined in Chief Bernot's email dated June 16, 2023, regarding the Stokes Estate Conditional Use Application located in Westtown Township, Chester County. The following numbered paragraphs correspond to the numbered comments in Chief Bernot's email.

## Concerns

1. Unless my memory fails me, I believe that their engineer listed the speed limit for Shiloh Road as 35 mph - it is actually 30 mph .

The speed limit in the traffic study is listed as 30 mph , and not 35 mph .
2. As indicated in the Transportation Impact Study, there were a notable number of crashes that have occurred on the roadway between 2018 and mid-2023. Adding additional traffic to the roadway without roadway improvements is likely to increase that number.

The crash analysis prepared by Transportation Resource Group, Inc. was revised in June 2023 to include the latest crash data available from the Pennsylvania Crash Information Tool (PCIT) website ( $1 / 1 / 2018$ to $12 / 31 / 2022$ ). As shown in Table 1 a segment crash analysis was performed on the 1.56 mile segment of Shiloh Road between Street Road (S.R.0926) Little Shiloh Road (S.R.2005). The segment crash rate for Shiloh Road was lower than a typical Pennsylvania roadway displaying similar features and characteristics.

We agree that adding any level of traffic to an existing roadway will increase the chances of possible accidents from occurring since there will be more cars on the roadway.
3. Although the data from the traffic study (2 attached files) is a little dated (from 2020), it clearly shows that $85^{\text {th }}$ percentile for speed on Shiloh Road is between 43 and 44 mph (in a posted 30 mph zone). Additionally, the study indicated that there were a notable number of vehicles traveling between 51 and 60 mph , as well as a few vehicles traveling 61 mph or higher. Please have your traffic engineer review this data thoroughly, as we feel that speed is already an issue on this roadway. As a result, we conduct traffic enforcement on the roadway on a fairly consistent basis. If requested, we would be happy to conduct an updated traffic study on this roadway but we assume that your engineer may want to conduct their own.

No background information was provided with the Department's Speed Study, but I believe it was conducted via a point collector at one location, such as a radar or pneumatic tube counter. A possible problem with this speed survey is that it is performed at one particular location on Shiloh Road and not necessarily in the area of Hunt Drive or Oakbourne Road. Speeds vary greatly along a roadway segment. Assuming the speed survey equipment is calibrated and installed correctly, the best information it can provide is the speed at only one particular spot along Shiloh Road.

Given that speed distributions follow a "bell curve", it is not surprising that a few of the offenders are driving 61 mph or higher. That finding is consistent with a normal distribution (bell shaped curve) of speeds along a typical stretch of roadway, just as some of the motorists are driving 15 mph or lower.
4. Lastly, the close proximity of the proposed development to Rustin High School raises additional concerns. Due to a considerable number of students crossing Shiloh Road as pedestrians and the significant amount of vehicular traffic leaving the school, WCASD pays for traffic details at the start and end of the school day. Adding additional traffic to the roadway may negatively impact safety at this location - we would suggest that your engineer should examine this issue.

It is assumed the "traffic details" are additional services provided by the WEGO PD and paid for by the school district. There is already a 15 mph school zone in place adjacent to Rustin High School. As shown in the crash statistics, Shiloh Road exhibits lower than average crash rate tendencies. We concur with the WEGO PD providing "traffic details" and the existing 15 mph school zone. It is believed these measures will continue to provide safe travel in the vicinity of Rustin High School.

I trust this letter adequately addresses the comments. If you have any questions, please feel free to give me a call.

Very truly yours,
Transportation Resource Group, Inc.


Jon A. Seitz, P.E., PTOE
Principal

PA Office
2 East Market Street
Suite 2
York, PA 17401-1206
Consulting Engineers and Planners
www.consulttrg.com

MD Office<br>901 Dulaney Valley Road<br>Suite 805<br>Towson, MD 21204-2624

T: (717) 846-4660

July 14, 2023
Liudmila (Mila) Carter
Assistant Township Manager and Director of Zoning \& Planning
Westtown Township
1039 Wilmington Pike
West Chester, PA 19382
RE: Stokes Estate - Conditional Use Application
Response to Traffic Review Letter
Al Federico comments dated June 29, 2023
Westtown Township, Chester County
TRG Project No. 278.012.21
Dear Ms. Carter:
This letter addresses the comments outlined in Al Federico's Traffic Review Letter dated June 29, 2023, regarding the Stokes Estate Conditional Use Application located in Westtown Township, Chester County. The following addresses the sight distance comment in Mr. Federico's letter.

## Conditional Use Plan Comment - (Sight Distance)

1. PennDOT stopping sight distances should be provided at the intersections of Road " $A$ " and Shiloh Road; and Road "D" and Shiloh Road \{§149-908C\}.
a. As previously commented, provide a speed study supporting the assumed travel speeds. It is noted that the Westtown-East Goshen Regional Police Department the operating speeds along Shiloh Road vary from the posted speed by more than ten miles per hour. \{PA 67 §441.8(h)(2)(ii)\}

A speed survey was performed on Shiloh Road in an area between Oakbourne Road and Hunt Drive from July 10 to July 12, 2023. The speed limit on Shiloh Road is 30 mph . The speed survey found the average speed ( $50^{\text {th }}$ percentile) to be 36 mph in both the northbound and southbound directions. The $85^{\text {th }}$ percentile speed was determined to be 42 mph in the northbound direction and 41 mph in the southbound direction between Oakbourne Road and Hunt Drive. Copies of the speed study are attached with this letter.
b. If desirable sight distances cannot be achieved provide documentation demonstrating that it is impossible to achieve the desirable value by locating the driveway at any point within the property frontage boundaries. $\{$ PA 67 §441.8(h)(2)(iv)\}

The sight distance provided at Road A and D exceeds the requirements noted in Westtown Township SALDO Section 149-908.C, (Stopping sight distance at all intersections shall be in accordance with PennDOT standards.) even assuming a higher than design speed of 45 mph . The stopping sight distance at the Road A and Road D intersections with Shiloh Road are documented on the attached Shiloh Road Sight Distance Analysis Plan prepared by DL Howell.

The driveways for Road A and D are situated at the only two logical locations along the property's frontage, directly opposite Hunt Drive and Oakbourne Road to meet Township SALDO requirements for intersection spacing and to maximize sight distance for motorists. (PennDOT Chapter 441.8.h.(2) (iv))

I trust this letter adequately addresses the comments. If you have any questions, please feel free to give me a call.

Very truly yours, Transportation Resource Group, Inc.


Jon A. Seitz, P.E., PTOE
Principal
JAS/vaw
cc: Al Federico, Albert Federico Consulting, LLC
Attachments

Road: Shiloh Rd
Location: 165 ft S of Oakbourne Rd
Counter: 39602


Road: Shiloh Rd
Location: 165 ft S of Oakbourne Rd
Counter: 39602

Site Code: 1 Station ID: A to B NB
Latitude: 39' 94775.0000 North Longitude: 75' 55539.0000 West

| NB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 | 76 |  | 85th | 95th |
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total | Percent | Percent |
| 07/11/23 | 0 | 0 | 1 | 0 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 39 | 48 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 48 | 49 |
| 02:00 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 51 | 53 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 39 | 39 |
| 04:00 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 42 | 44 |
| 05:00 | 0 | 0 | 3 | 1 | 2 | 8 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 43 | 47 |
| 06:00 | 0 | 0 | 1 | 5 | 15 | 16 | 8 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 49 | 42 | 47 |
| 07:00 | 1 | 1 | 5 | 11 | 33 | 71 | 38 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 165 | 42 | 44 |
| 08:00 | 0 | 0 | 7 | 31 | 71 | 90 | 57 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 264 | 42 | 44 |
| 09:00 | 0 | 0 | 0 | 23 | 37 | 48 | 25 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 137 | 41 | 44 |
| 10:00 | 0 | 0 | 1 | 9 | 32 | 60 | 38 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 146 | 42 | 44 |
| 11:00 | 0 | 0 | 9 | 19 | 58 | 66 | 34 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 189 | 41 | 44 |
| 12 PM | 0 | 0 | 2 | 15 | 37 | 50 | 43 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 154 | 43 | 44 |
| 13:00 | 0 | 3 | 1 | 10 | 39 | 50 | 38 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 145 | 42 | 44 |
| 14:00 | 0 | 1 | 3 | 12 | 34 | 47 | 26 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 134 | 43 | 46 |
| 15:00 | 0 | 1 | 4 | 21 | 50 | 64 | 29 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 179 | 42 | 45 |
| 16:00 | 0 | 1 | 4 | 19 | 36 | 82 | 43 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 195 | 42 | 45 |
| 17:00 | 0 | 6 | 11 | 35 | 33 | 56 | 42 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 190 | 42 | 44 |
| 18:00 | 0 | 0 | 3 | 11 | 41 | 43 | 32 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 137 | 42 | 45 |
| 19:00 | 0 | 0 | 4 | 18 | 47 | 48 | 25 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 150 | 42 | 45 |
| 20:00 | 1 | 0 | 0 | 12 | 24 | 23 | 10 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 76 | 42 | 47 |
| 21:00 | 0 | 0 | 0 | 4 | 15 | 17 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 45 | 42 | 47 |
| 22:00 | 0 | 0 | 0 | 1 | 7 | 19 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 42 | 47 |
| 23:00 | 0 | 0 | 1 | 2 | 4 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 43 | 44 |
| Total | 2 | 13 | 60 | 260 | 621 | 864 | 507 | 99 | 12 | 2 | 0 | 0 | 0 | 0 | 2440 |  |  |
| Percent | 0.1\% | 0.5\% | 2.5\% | 10.7\% | 25.5\% | 35.4\% | 20.8\% | 4.1\% | 0.5\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |  |  |
| AM Peak | 07:00 | 07:00 | 11:00 | 08:00 | 08:00 | 08:00 | 08:00 | 08:00 | 02:00 | 07:00 |  |  |  |  | 08:00 |  |  |
| Vol. | 1 | 1 | 9 | 31 | 71 | 90 | 57 | 7 | 1 | 1 |  |  |  |  | 264 |  |  |
| PM Peak | 20:00 | 17:00 | 17:00 | 17:00 | 15:00 | 16:00 | 12:00 | 14:00 | 12:00 | 20:00 |  |  |  |  | 16:00 |  |  |
| Vol. | 1 | 6 | 11 | 35 | 50 | 82 | 43 | 11 | 1 | 1 |  |  |  |  | 195 |  |  |

Road: Shiloh Rd
Location: 165 ft S of Oakbourne Rd
Counter: 39602


Road: Shiloh Rd
Location: 165 ft S of Oakbourne Rd
Counter: 39602


Road: Shiloh Rd
Location: 165 ft S of Oakbourne Rd
Counter: 39602

Site Code: 1 Station ID: A to B NB
Latitude: 39' 94775.0000 North Longitude: 75' 55539.0000 West

| SB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start | 1 | 16 | 21 | 26 | 31 | 36 | 41 | 46 | 51 | 56 | 61 | 66 | 71 | 76 |  | 85th | 95th |
| Time | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total | Percent | Percent |
| 07/11/23 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 57 | 58 |
| 01:00 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 47 | 49 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * |
| 03:00 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 33 | 34 |
| 04:00 | 0 | 0 | 2 | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 39 | 48 |
| 05:00 | 0 | 0 | 1 | 5 | 6 | 8 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 22 | 39 | 44 |
| 06:00 | 0 | 0 | 1 | 13 | 7 | 17 | 13 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 53 | 42 | 44 |
| 07:00 | 0 | 0 | 5 | 15 | 31 | 39 | 21 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 116 | 42 | 44 |
| 08:00 | 0 | 0 | 5 | 24 | 34 | 65 | 38 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 178 | 43 | 46 |
| 09:00 | 0 | 0 | 8 | 28 | 42 | 50 | 29 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 164 | 41 | 44 |
| 10:00 | 0 | 2 | 8 | 17 | 22 | 47 | 29 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 133 | 42 | 45 |
| 11:00 | 0 | 0 | 9 | 19 | 30 | 55 | 33 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 153 | 42 | 44 |
| 12 PM | 0 | 3 | 5 | 18 | 38 | 58 | 35 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 169 | 43 | 46 |
| 13:00 | 0 | 5 | 2 | 15 | 22 | 53 | 25 | 6 | 2 | 0 | 0 | 0 | 1 | 0 | 131 | 42 | 47 |
| 14:00 | 0 | 0 | 2 | 9 | 25 | 64 | 21 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 127 | 41 | 44 |
| 15:00 | 0 | 2 | 7 | 31 | 51 | 75 | 39 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 207 | 41 | 43 |
| 16:00 | 0 | 1 | 2 | 30 | 71 | 117 | 55 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 288 | 42 | 44 |
| 17:00 | 1 | 1 | 18 | 41 | 70 | 145 | 49 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 332 | 40 | 44 |
| 18:00 | 0 | 1 | 12 | 26 | 37 | 56 | 18 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 156 | 40 | 44 |
| 19:00 | 0 | 1 | 5 | 15 | 31 | 41 | 12 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 108 | 39 | 43 |
| 20:00 | 0 | 2 | 2 | 17 | 27 | 29 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 88 | 39 | 43 |
| 21:00 | 0 | 0 | 4 | 8 | 6 | 11 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 42 | 43 | 48 |
| 22:00 | 0 | 0 | 0 | 3 | 10 | 7 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 29 | 42 | 44 |
| 23:00 | 0 | 0 | 1 | 1 | 4 | 4 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 13 | 45 | 56 |
| Total | 1 | 18 | 99 | 337 | 570 | 942 | 448 | 94 | 11 | 4 | 0 | 0 | 1 | 0 | 2525 |  |  |
| Percent | 0.0\% | 0.7\% | 3.9\% | 13.3\% | 22.6\% | 37.3\% | 17.7\% | 3.7\% | 0.4\% | 0.2\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |  |  |
| AM Peak |  | 10:00 | 11:00 | 09:00 | 09:00 | 08:00 | 08:00 | 08:00 | 08:00 | 00:00 |  |  |  |  | 08:00 |  |  |
| Vol. |  | 2 | 9 | 28 | 42 | 65 | 38 | 10 | 2 | 1 |  |  |  |  | 178 |  |  |
| PM Peak | 17:00 | 13:00 | 17:00 | 17:00 | 16:00 | 17:00 | 16:00 | 12:00 | 13:00 | 19:00 |  |  | 13:00 |  | 17:00 |  |  |
| Vol. | 1 | 5 | 18 | 41 | 71 | 145 | 55 | 12 | 2 | 1 |  |  | 1 |  | 332 |  |  |

Road: Shiloh Rd
Location: 165 ft S of Oakbourne Rd
Counter: 39602


## DRIVEWAY SIGHT DISTANCE MEASUREMENTS (FOR LOCAL ROADS, USE PENNDOT PUB 70)

APPLICANT $\qquad$
Fox Clearing, LLC

## APPLICATION NO.

$\qquad$
S.R. $\qquad$ SEG. $\qquad$ OFFSET $\qquad$ LEGAL SPEED LIMIT 30 MPH MEASURED BY JAS

DATE $\qquad$ 1/22/2023 FOR DEPARTMENT USE ONLY: Safe-Running Speed $\qquad$ 85th Percentile Speed $\qquad$ Shiloh Road / Road A (Opposite Hunt Drive)

## A



FSD= $\qquad$ 178'

THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER AT A DRIVEWAY LOCATION CAN CONTINUOUSLY SEE ANOTHER VEHICLE APPROACHING ON THE ROADWAY.
B


THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER ON THE ROADWAY CAN CONTINUOUSLY SEE THE REAR OF A VEHICLE WHICH IS LOCATED IN THE DRIVER'S TRAVEL LANE AND WHICH IS POSITIONED TO MAKE A LEFT TURN INTO A DRIVEWAY.


THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER OF A VEHICLE INTENDING TO MAKE A LEFT TURN INTO A DRIVEWAY CAN CONTINUOUSLY SEE A VEHICLE APPROACHING FROM THE OPPOSITE DIRECTION.

## DRIVEWAY SIGHT DISTANCE MEASUREMENTS (FOR LOCAL ROADS, USE PENNDOT PUB 70)

APPLICANT $\qquad$
Fox Clearing, LLC

## APPLICATION NO

S.R. $\qquad$ SEG. $\qquad$ OFFSET $\qquad$ LEGAL SPEED LIMIT $\qquad$ $30 \mathrm{MPH}^{* *}$ MEASURED BY_JAS

DATE $\qquad$ *42 mph NB FOR DEPARTMENT USE ONLY: Safe-Running Speed $\qquad$ 85th Percentile Speed 41 mph SB


DISTANCE REQUIRED
FSD $=\underline{334^{\prime}}$

FSD= $\qquad$ 406'

THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER AT A DRIVEWAY LOCATION CAN CONTINUOUSLY SEE ANOTHER VEHICLE APPROACHING ON THE ROADWAY.
B


THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER ON THE ROADWAY CAN CONTINUOUSLY SEE THE REAR OF A VEHICLE WHICH IS LOCATED IN THE DRIVER'S TRAVEL LANE AND WHICH IS POSITIONED TO MAKE A LEFT TURN INTO A DRIVEWAY.


THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER OF A VEHICLE INTENDING TO MAKE A LEFT TURN INTO A DRIVEWAY CAN CONTINUOUSLY SEE A VEHICLE APPROACHING FROM THE OPPOSITE DIRECTION.

## DRIVEWAY SIGHT DISTANCE MEASUREMENTS (FOR LOCAL ROADS, USE PENNDOT PUB 70)

APPLICANT $\qquad$
Fox Clearing, LLC

## APPLICATION NO.

$\qquad$
S.R. $\qquad$ SEG. $\qquad$ OFFSET $\qquad$ LEGAL SPEED LIMIT 30 MPH MEASURED BY JAS

DATE $\qquad$ 1/22/2023

FOR DEPARTMENT USE ONLY: Safe-Running Speed $\qquad$ 85th Percentile Speed $\qquad$
Shiloh Road / Road D (Opposite Oakbourne Road)
A
when shrubbery removed


FSD= $\qquad$ 196'

FSD= $\qquad$ 207'

THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER AT A DRIVEWAY LOCATION CAN CONTINUOUSLY SEE ANOTHER VEHICLE APPROACHING ON THE ROADWAY.
B


THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER ON THE ROADWAY CAN CONTINUOUSLY SEE THE REAR OF A VEHICLE WHICH IS LOCATED IN THE DRIVER'S TRAVEL LANE AND WHICH IS POSITIONED TO MAKE A LEFT TURN INTO A DRIVEWAY.


THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER OF A VEHICLE INTENDING TO MAKE A LEFT TURN INTO A DRIVEWAY CAN CONTINUOUSLY SEE A VEHICLE APPROACHING FROM THE OPPOSITE DIRECTION.

## DRIVEWAY SIGHT DISTANCE MEASUREMENTS (FOR LOCAL ROADS, USE PENNDOT PUB 70)

APPLICANT

## Fox Clearing, LLC

APPLICATION NO.
S.R. $\qquad$ SEG. $\qquad$ OFFSET $\qquad$ LEGAL SPEED LIMIT $\qquad$ $30 \mathrm{MPH}^{* *}$ MEASURED BY__JAS

DATE $\qquad$ 42 mph NB FOR DEPARTMENT USE ONLY: Safe-Running Speed $\qquad$ 85th Percentile Speed ___ 41 mph SB Shiloh Road / Road D (Opposite Oakbourne Road)


FSD= $\qquad$ 383'

THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER AT A DRIVEWAY LOCATION CAN CONTINUOUSLY SEE ANOTHER VEHICLE APPROACHING ON THE ROADWAY.
B


THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER ON THE ROADWAY CAN CONTINUOUSLY SEE THE REAR OF A VEHICLE WHICH IS LOCATED IN THE DRIVER'S TRAVEL LANE AND WHICH IS POSITIONED TO MAKE A LEFT TURN INTO A DRIVEWAY.


THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER OF A VEHICLE INTENDING TO MAKE A LEFT TURN INTO A DRIVEWAY CAN CONTINUOUSLY SEE A VEHICLE APPROACHING FROM THE OPPOSITE DIRECTION.



