
## SOILS

BuC - Bucks silt loam, 8 to 15 percent slopes
DbA - Duffield silt loam, 0 to 3 percent slopes
DbB - Duffield silt loam, 3 to 8 percent slopes
HaA - Hagerstown silt loam, 0 to 3 percent slopes
HaB - Hagerstown silt loam, 3 to 8 percent slopes
HbC - Hagerstown silty clay loam, 8 to 15 percent slopes
LaB - Lansdale loam, 3 to 8 percent slopes
LaC - Lansdale loam, 8 to 15 percent slopes
LaD - Lansdale loam, 15 to 25 percent slopes
Ln - Lindside silt loam
Pa - Penlaw silt loam
Qu - Pits, quarry
RaB - Readington silt loam, 3 to 8 percent slopes
UaC - Ungers loam, 8 to 15 percent slopes
W - Water

## GEOLOGY (GIS INFO PROVIDED BY SRBC)

Oan - Annville Formation
OcO - Cocalico Formation
Oe - Epler Formation
Os - Stonehenge Formation
TRn - New Oxford Formation
TRnc - New Oxford Formation

## NOTES:

1. THE DRAINAGE STRUCTURE UNDER W. HARRISBURG AVE. AT ENTRY TO THE QUARRY IS A CONCRETE BOX 8' WIDE x 4'-6" HIGH (WATERWAY OPENING). THE DRAINAGE STRUCTURE UNDER THE DRIVEWAY CONNECTING THE QUARRY & THE PENNSYLVANIA GROWERS PROPERTY IS A 72"x 44" C.M.P ARCH.
2. THE PERMITTEE IS HEREBY GRANTED A WAIVER, PER TITLE 25 SECTION 77.504(b)(2), TO CONDUCT SUPPORT ACITIVIES ONLY WITHIN 300 FEET OF COMMERCIAL BUILDINGS OWNED BY PENNSYLVANIA GROWERS, LLC, AS EXISTED UNDER PREVIOUS MDP NO. 6276SM6.
3. THE AERIAL PHOTOGRAPHY AND CONTOURS ARE ACQUIRED FROM A DRONE FLIGHT TAKEN ON April 22, 2024 CONTROLLED BY RTK GPS NAVD 88 (2011) ON THE NAD83 PENNSYLVANIA STATE PLANES SOUTH ZONE COORDINATE SYSTEM.
4. OUTSIDE THE FLIGHT, THE IMAGE IS ACQUIRED FROM A 2018 PEMA ORTHOIMAGERY FILE, AND THE CONTOURS ARE ACQUIRED FROM 2006 PAMAP PROGRAM 3.2 FT DIGITAL ELEVATION MODEL OF PENNSYLVANIA.

## LEGEND

| | |
|---|---|
| 395 | EXISTING 5' CONTOUR |
| 400 | EXISTING 25' CONTOUR |
| | PIERSON-RHEEMS LLC PROPERTY LINE |
| | ADJOINER PROPERTY LINE |
| | SETBACK |
| | TOWNSHIP LINE |
| | ZONING LINE |
| | RAILWAY |
| | FENCELINE |
| | UTILITY POLE |
| | LIGHT POLE |
| W | EXISTING MONITORING WELL LOCATION |
| 5004 | EXISTING WELL LOCATION |
| PW-15 | PRIVATE WATER SUPPLY |
| E-1 W-1 | BORE HOLES |
| 35° | STRIKE & DIP |
| | BACKGROUND & PROPOSED MONITORING POINTS |
| | 1,000 FOOT PERIMETER |
| | LIMIT OF MINING AS OF 01/01/72 |
| | PROPOSED LIMIT OF MINING AND BONDING |
| | PROPOSED SURFACE MINE PERMIT |
| | EXISTING SURFACE MINE PERMIT |
| | EXISTING TREE LINE |
| | EXISTING EDGE OF WATER |
| | EXISTING SOILS |
| D P | DIRECTION AND PROGRESSION OF MINING |
| | MAPPED BEDROCK GEOLOGY |
| | MAPPED FAULT |
| | MAPPED FOLD |
| | MAPPED KARST FEATURE |
| | 300' RADIUS TO OCCUPIED STRUCTURE |
| | ZONE OF INFLUENCE TO 126 MEAN SEA LEVEL |
| | REGIONAL GROUNDWATER FLOW DIRECTION |
| | LOCAL GROUNDWATER FLOW DIRECTION |


**Akens Engineering Associates, Inc.**
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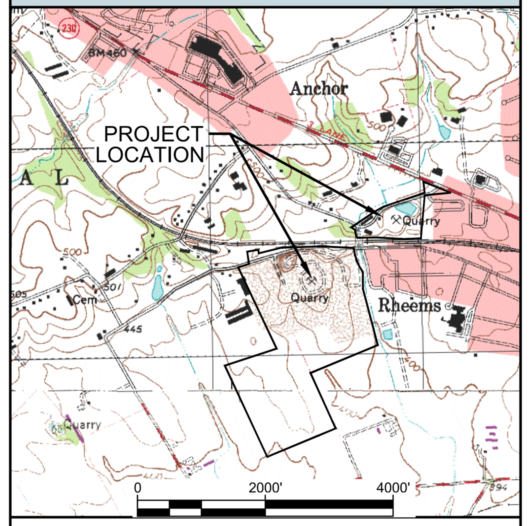
*"Providing Quality Engineering & Surveying Services since 1983."*

## LOCATION MAP




SCALE: 1" = 2000'

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
SCOTT WILLIAM AKENS
ENGINEER PE073141

**I hereby certify that this plan is correct and accurate to the best of my knowledge.**

***SCOTT W. AKENS***
***Professional Engineer, PE073141***
***Submitted on this 24th day of May, 2024.***

N

0 300' 600'

## REVISIONS:

ADDRESS PADEP 4/12/24 COMMENT LETTER - 05/28/24

*EXHIBIT 6.2A*
*ZONE OF INFLUENCE TO 126 MEAN SEA LEVEL*

*SURFACE MINE PERMIT NO. 36080301*
*NPDES PERMIT NO. PA 0224651*
*AUTHORIZATION TO MINE PERMIT NO. 6980-36080301-01*

*PIERSON RHEEMS LLC QUARRY OPERATION*

*WEST DONEGAL & MT JOY TOWNSHIPS*
*LANCASTER COUNTY, PA*

| SCALE: | SHEET NUMBER: |
|---|---|
| 1" = 300' | 2A of 6 |
| PLAN DATE: | |
| APRIL 24, 2024 | |
| FILE NAME: | |
| X:\240-1-51 Expansion\Drawing\240-1-51 Base.dwg | |

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
MARK GIRARD FOERSTER
GEOLOGIST PG003946

**I hereby certify that this plan is correct and accurate to the best of my knowledge.**

***MARK GIRARD FOERSTER***
***Registered Professional Geologist, PG003946***
***Submitted on this 24th day of May, 2024.***