

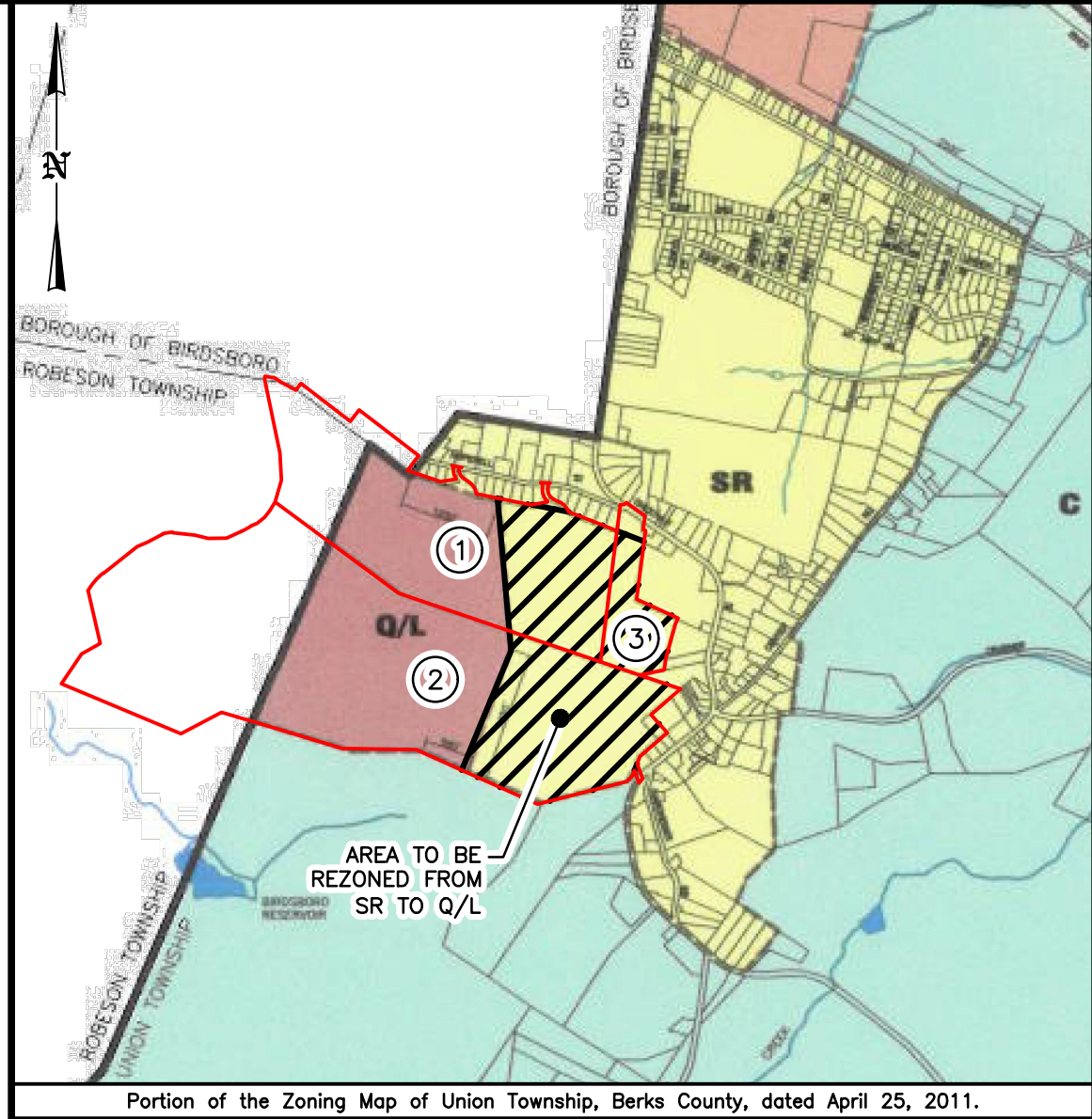
| PROPERTY BOUNDARY LINE TABLE |             |          | PROPERTY BOUNDARY CURVE TABLE |         |            |           |              |               |
|------------------------------|-------------|----------|-------------------------------|---------|------------|-----------|--------------|---------------|
| Line No.                     | Bearing     | Distance | Curve No.                     | Radius  | Arc Length | Data      | Chord Length | Chord Bearing |
| L1                           | S69°00'00"E | 365.15'  | C1                            | 183.00' | 135.75'    | 41°33'42" | 129.86'      | N03°27'04"W   |
| L2                           | N89°40'00"E | 177.26'  | C2                            | 20.00'  | 30.26'     | 86°40'47" | 27.45'       | N26°00'36"W   |
| L3                           | S69°21'00"E | 106.37'  | C3                            | 20.00'  | 33.85'     | 96°57'42" | 28.95'       | S62°10'09"W   |
| L4                           | S48°00'00"E | 75.00'   | C4                            | 117.00' | 121.86'    | 59°41'18" | 116.45'      | S18°09'21"E   |
| L5                           | S69°21'00"E | 589.70'  | C5                            | 183.00' | 153.45'    | 49°02'36" | 148.99'      | S21°58'42"E   |
| L6                           | S79°30'00"E | 35.20'   | C6                            | 180.00' | 156.59'    | 49°31'28" | 150.79'      | N13°11'24"W   |
| L7                           | N88°34'45"E | 177.70'  | C7                            | 20.00'  | 31.05'     | 88°57'24" | 28.03'       | N32°54'22"W   |
| L8                           | N11°34'20"E | 50.90'   | C8                            | 20.00'  | 32.22'     | 92°17'50" | 28.85'       | S57°43'15"W   |
| L9                           | S77°54'22"E | 100.81'  | C9                            | 120.00' | 139.43'    | 66°34'20" | 131.72'      | S21°42'50"E   |
| L10                          | S11°34'20"W | 50.00'   | C10                           | 205.00' | 149.06'    | 41°39'40" | 145.80'      | S34°10'10"E   |
| L11                          | S50°00'00"E | 72.00'   | C11                           | 671.38' | 262.85'    | 27°23'55" | 261.18'      | N49°50'12"E   |
| L12                          | S59°14'30"E | 285.33'  | C12                           | 686.78' | 106.79'    | 8°54'34"  | 106.69'      | S88°53'50"E   |
| L13                          | S59°14'30"E | 287.97'  | C13                           | 746.78' | 136.29'    | 10°27'24" | 136.10'      | N70°27'50"E   |

#### GEOLOGY LEGEND

|      |                                                                                |
|------|--------------------------------------------------------------------------------|
| Jdyh | Jurassic Diabase<br>(York Haven Type)                                          |
| Rhc  | Triassic Hamner<br>Creek Formation<br>(D.B. MacCallahan,<br>1963-Revised 1992) |
| Rhqc | Triassic Hamner<br>Creek Quartz<br>Conglomerate<br>(C.R. Wood, 1980)           |
| Rhss | Triassic Hamner<br>Creek Sandstone<br>(C.R. Wood, 1980)                        |
| Rp   | Triassic Passaic<br>Formation<br>(D.B. MacCallahan,<br>1963-Revised 1992)      |

| CONTIGUOUS PROPERTY OWNERSHIP KEY |                  |                                                             |
|-----------------------------------|------------------|-------------------------------------------------------------|
| MAP ID                            | PARCEL NO.       | OWNER                                                       |
| 1                                 | 88534300296662   | Haines & Kibbleshouse, Inc. (Now by Merger H&K Group, Inc.) |
| 2                                 | 73534300280563   | Haines & Kibbleshouse, Inc. (Now by Merger H&K Group, Inc.) |
| 3                                 | 88534300483952   | Haines & Kibbleshouse, Inc. (Now by Merger H&K Group, Inc.) |
| 4                                 | 88534417200635   | Haines & Kibbleshouse, Inc. (Now by Merger H&K Group, Inc.) |
| 5                                 | 88534417201642   | Calderone & Kevin Moser                                     |
| 6                                 | 88534417202549   | Kelly L. & Brod A. DeBlase                                  |
| 7                                 | 88534417203568   | James C. & Diane M. McGittigan                              |
| 8                                 | 88534418205863   | David L. & Deborah L. Smith                                 |
| 9                                 | 88534418205376   | John W. Detweiler                                           |
| 10                                | 88534418206497   | Kira E. Martin                                              |
| 11                                | 88534418207494   | Gerald J. & Joyce E. Detweiler                              |
| 12                                | 88534418208492   | Kevin Hartmann                                              |
| 13                                | 88534418209399   | Robert C. & Susan M. Brogan                                 |
| 14                                | 88534418301307   | Jeffrey J. & Kim L. Dalasio                                 |
| 15                                | 88534418302325   | Kenneth J. Cowan                                            |
| 16                                | 88534418303355   | George S., Jr. & Dina R. Mitchell                           |
| 17                                | 88534418304657   | George A. & Diane L. Litt                                   |
| 18                                | 88534418305666   | Marc R. & Kelly L. Schlotman                                |
| 19                                | 88534418305338   | David J. & Danielle M. Wall                                 |
| 20                                | 88534418306344   | Robert M. & Louri A. Grossman                               |
| 21                                | 88534418307238   | John B. & Amy Bornhofen                                     |
| 22                                | 88534418308243   | William M. Helm                                             |
| 23                                | 88534418309198   | Robert A. Kriebel                                           |
| 24                                | 88534418400173   | Haines & Kibbleshouse, Inc. (Now by Merger H&K Group, Inc.) |
| 25                                | 88534418401088   | Haines & Kibbleshouse, Inc. (Now by Merger H&K Group, Inc.) |
| 26                                | 88534418308558   | Danielle A. Lenhart                                         |
| 27                                | 88534418404402   | Curtis & Pamela Etche                                       |
| 28                                | 88534418404548   | Joshua Adams                                                |
| 29                                | 88534418406231   | John F. & Melissa J. Murray                                 |
| 30                                | 88534300495996   | Nathan R. Knuss                                             |
| 31                                | 88534300496855   | Richard W. & Nancy J. Snyder                                |
| 32                                | 88534300499316   | Harold L. Sr. & Joan H. Miller Revocable Trust              |
| 33                                | 88534307580721   | Michael B. Wunder                                           |
| 34                                | 88534307581584   | Frank & Daisy Perez                                         |
| 35                                | 88534307580327   | Jeffrey & Rachel Kennedy                                    |
| 36                                | 88534307571902   | Daniel S. & Christina M. Nichol                             |
| 37                                | 88534300477895   | Union Fire Company                                          |
| 38                                | 88534300479629   | Union Fire Company                                          |
| 39                                | 88534300478610   | Haines & Kibbleshouse, Inc. (Now by Merger H&K Group, Inc.) |
| 40                                | 88534300477534   | Joshua J. Lewis                                             |
| 41                                | 88534300476437   | Charles & Davis M. Davidheiser                              |
| 42                                | 88534300475346   | Norman, Jr. & Joyce Cooper                                  |
| 43                                | 88534300465909   | Diana L. & Thomas Tagert                                    |
| 44                                | 88000000000015   | Haines & Kibbleshouse, Inc. (Now by Merger H&K Group, Inc.) |
| 45                                | 88534300363178   | Birdsboro Municipal Water Authority                         |
| 46                                | 7353330056666X01 | Birdsboro Municipal Water Authority                         |

| PROPERTY DATA |                                                                                                                              |                                   |                                  |                                 |                               |                      |                                                |                    |                   |                    |
|---------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------|---------------------------------|-------------------------------|----------------------|------------------------------------------------|--------------------|-------------------|--------------------|
| Lot No.       | Property Owner                                                                                                               | County PIN#                       | Birdsboro Borough Lot Area (Ac.) | Robeson Township Lot Area (Ac.) | Union Township Lot Area (Ac.) | Total Lot Area (Ac.) | Union Township Zoning District Area Tabulation |                    |                   |                    |
|               |                                                                                                                              |                                   |                                  |                                 |                               |                      | Existing                                       |                    | Proposed          |                    |
|               |                                                                                                                              |                                   |                                  |                                 |                               |                      | SR District (Ac.)                              | Q/L District (Ac.) | SR District (Ac.) | Q/L District (Ac.) |
| 1             | Haines & Kibbleshouse, Inc.<br>(Now By Merger H&K Group, Inc.)<br>2052 Lucan Road, P.O. Box 196<br>Shippsburg, PA 19474-0196 | 88534300296662                    | 5.121                            | 25.667                          | 98.438                        | 129.226              | 39.503                                         | 58.835             | 1.746             | 96.692             |
| 2             | Haines & Kibbleshouse, Inc.<br>(Now By Merger H&K Group, Inc.)<br>2052 Lucan Road, P.O. Box 196<br>Shippsburg, PA 19474-0196 | 73534300280563/<br>88534300280563 | 0.000                            | 104.073                         | 161.817                       | 265.890              | 61.086                                         | 100.731            | 0.115             | 161.699            |
| 3             | Haines & Kibbleshouse, Inc.<br>(Now By Merger H&K Group, Inc.)<br>2052 Lucan Road, P.O. Box 196<br>Shippsburg, PA 19474-0196 | 88534300483952                    | 0.000                            | 0.000                           | 19.641                        | 19.641               | 19.641                                         | 0.000              | 2.081             | 17.560             |
| Total         | --                                                                                                                           | --                                | 5.121                            | 129.740                         | 279.896                       | 414.757              | 120.230                                        | 159.566            | 3.942             | 275.951            |



Portion of the Zoning Map of Union Township, Berks County, dated April 25, 2011.

SITE LOCATION MAP  
Scale: 1" = 2,000'

#### LEGEND

|                                                                           |                                                           |
|---------------------------------------------------------------------------|-----------------------------------------------------------|
| Property Line                                                             | Adjacent Lot Lines                                        |
| Right-of-Way Line                                                         | Municipal Boundary Line                                   |
| Municipal Zoning District Boundary Line                                   | Property Ownership Map                                    |
| Existing PADEP SMP Area (289.6 Acres) (159.6 Acres Within Union Township) | Proposed Limit of Mining                                  |
| Proposed Limit of Mining                                                  | Proposed Limit of Affected Area (325' Buffer)             |
| Existing Fence                                                            | Mining Setbacks Per Municipal Code                        |
| Existing Electric Line                                                    | Existing Electric Line                                    |
| Existing Electric and Telephone Line                                      | Existing Water Main/Line                                  |
| Existing Utility Pole                                                     | Existing Guide Rail                                       |
| Existing Major Contour Line                                               | Existing Minor Contour Line                               |
| Existing Trail/Wood Line                                                  | Occupied Structure/Outbuilding (Garage, Barn, Shed, Etc.) |
| Existing Unimproved Road/Trail                                            | Existing Paved Road                                       |
| Existing Road                                                             | Existing Road                                             |
| C - Conservation Zoning District                                          | SR - Suburban Residential Zoning District                 |
| Q/L - Quarry/Landfill Zoning District                                     | Area To Be Rezoned From SR to Q/L                         |

#### SITE PLAN NOTES:

- Stone removal, sale of stone, products, or manufacturing of concrete or asphalt shall not be conducted within 25 feet of any property line, within 25 feet of any street right-of-way, within 25 feet of any residential zoning district, within 400 feet of any preexisting occupied residential dwelling unit, and/or within the setbacks proposed under the petition for zoning ordinance amendment, as depicted on this plan, unless a written waiver is obtained by the Operator.
- Future mineral extraction, mineral processing, and stockpiling of stone products will occur only within the Proposed Limit of Mining depicted herein.
- The 75-foot area between the Proposed Limit of Mining and Proposed Limit of Affected Area, also referred to as the 325' Buffer, may be used for placement of screening berms, monitoring wells, overburden storage, erosion and sediment control facilities, and perimeter fencing at the sole discretion of the Applicant.
- The area between the Proposed Limit of Affected Area and the property line shall remain undisturbed with natural vegetation. However, the Applicant reserves the right to discharge stormwater across this area as well as install monitoring wells, surface water monitoring devices, and wetland mitigation or wetland enhancement facilities as may be required or permitted by PADEP.
- The existing quarry entrance along Haycreek Road and site access driveway will continue to provide access to the site. No site entrance or driveway is proposed within Union Township.
- No site activity shall be permitted on Sundays or legal holidays. Legal holiday shall be limited to the following: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. All operations shall be permitted between the hours of 5:30 a.m. and 10:00 p.m. Monday through Friday, and 5:30 a.m. to 12:00 p.m. on Saturdays. No vehicle shall be stored or parked at the site entrance or along the access road of the site prior to 5:00 a.m.
- Interior roads shall be constructed and maintained by the Applicant. The entire site area shall be kept clean and orderly as required by PADEP regulations.
- Measures shall be provided to control dust and debris by PADEP regulations.
- A chain link fence with a height of six feet shall be erected in the future around the active pit limits and/or along the property lines of the quarrying or mining operation.
- Blasting activities shall be permitted between the hours of 10:00 a.m. and 4:00 p.m. Monday through Friday. Prior notice of all blast events shall be given to the Township and within 2 hours but not later than 30 minutes to the occupants of all properties within a radius of 1,500 feet within Union Township, of the location of blasting who have previously requested such notice in writing.
- No substances which can harm persons, animals, vegetation, or other form of property shall be dispersed beyond the property lines of the quarrying or mining operation.
- All requirements of federal, state and municipal statutes, ordinances and regulations pertaining to the operation of quarrying and mining operations shall be complied with. A copy of all submissions, permits and licenses to or from DEP and BSM shall be filed with the Township.
- Additional groundwater monitoring wells shall be installed at such future time that the Applicant applies to PADEP to incorporate the rezoned area into the non-surface mining permit. Wells shall be spaced no more than 1,200 feet apart around the perimeter of the rezoned area, excluding the shared boundary with the existing mining operation. The final locations of new monitoring wells will be mutually agreed upon by the Applicant, the Township, and PADEP. The Applicant will provide the Township advance notification of future sampling events of new wells and copies of sample analytical data upon future request.
- The Applicant will promptly respond to all such future claims of water loss, diminution, interruption, and contamination within the local area surrounding the operation. If the Applicant is found to be at fault for any such claim, the Applicant will take swift actions to remedy the claim to the extent that it is to be mutually agreed to between the Applicant, the water supply carrier, and PADEP. The Applicant agrees to bear the sole cost to remedy affected water supplies.

#### SOURCE NOTES:

- Mine permit information (i.e. permit boundary, phasing, limit of mining, etc.) derived from plan entitled "H&K B: Operations Map," prepared by Ross Consulting Engineers, dated 7/11/1991, last revised 8/26/1998.
- Topography within active mining area derived from H&K field survey dated 5/31/2016.
- Topography beyond active mining area derived from LIDAR ArcInfo coverage files published 2006 through 2008, downloaded from Pennsylvania Spatial Data Access (PSADA). (<http://www.psispa.pa.gov>)
- Photogrammetric digital mapping within the active area, excluding topography compiled by L. Robert Kimball & Associates, Inc., Ebersburg, PA, using aerial photography obtained 3/13/2008. Vertical control is based on NAD 83 datum provided by Haines & Kibbleshouse, Inc.
- Photogrammetric digital mapping beyond the active area, excluding topography compiled by L. Robert Kimball & Associates, Inc., Ebersburg, PA, using aerial photography obtained April 5, 1995.
- Property boundary derived from plan entitled "Haines & Kibbleshouse, Inc. Minor Subdivision Plan," prepared by the H&K Group Engineering & Environmental Services Division, dated 11/13/2002, last revised 7/07/2004 and recorded in Berks County Plan Book 274, Page 90.
- Adjacent property lines derived from Berks County Tax Maps.
- Property ownership updated per County of Berks - Assessment Parcel Viewer (<http://co.berks.pa.gov>) as of 12/8/2023.

#### GEOLOGIC OVERLAY

BIRDSBORO QUARRY EXPANSION  
H&K GROUP, INC.

PETITION FOR ZONING ORDINANCE AMENDMENT  
EXHIBIT A: SITE PLAN

| ROBESON & UNION TOWNSHIP |            |             | BERKS COUNTY  |  |
|--------------------------|------------|-------------|---------------|--|
| DRAWN                    | B.D.K.     | SCALE       | 1" = 200'     |  |
| DESIGN                   | S.S.D.     | DRAWING NO. | 8105M-SITE-1A |  |
| CHECKED                  | S.S.D.     | SHEET       |               |  |
| DATE                     | 07/25/2024 |             |               |  |

Scale: 1" = 200'

0 200 400

2002 Lucan Road, P.O. Box 196, Shippsburg, PA 19474-0196

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OWNER/APPLICANT INFO:  
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President & CEO  
Formerly Haines & Kibbleshouse, Inc.  
2052 Lucan Road  
P.O. Box 196  
Shippsburg, PA 19474-0196  
P: 610-584-8500  
www.hkgroup.com  
Instrument #2014004963  
RN: 88853430280562  
73534300280563  
88534300280563  
88534300483952  
SITE ADDRESS:  
1267 Haycreek Road  
Birdsboro, PA 19508-2664  
sdromore@hkgroup.com

PROJECT ENGINEER:  
Scott S. Drumore, P.E.  
PA License #PC-070742  
H&K Group, Inc.  
Engineering & Environmental Services Division  
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Scale: 1" = 200'

0 200 400

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