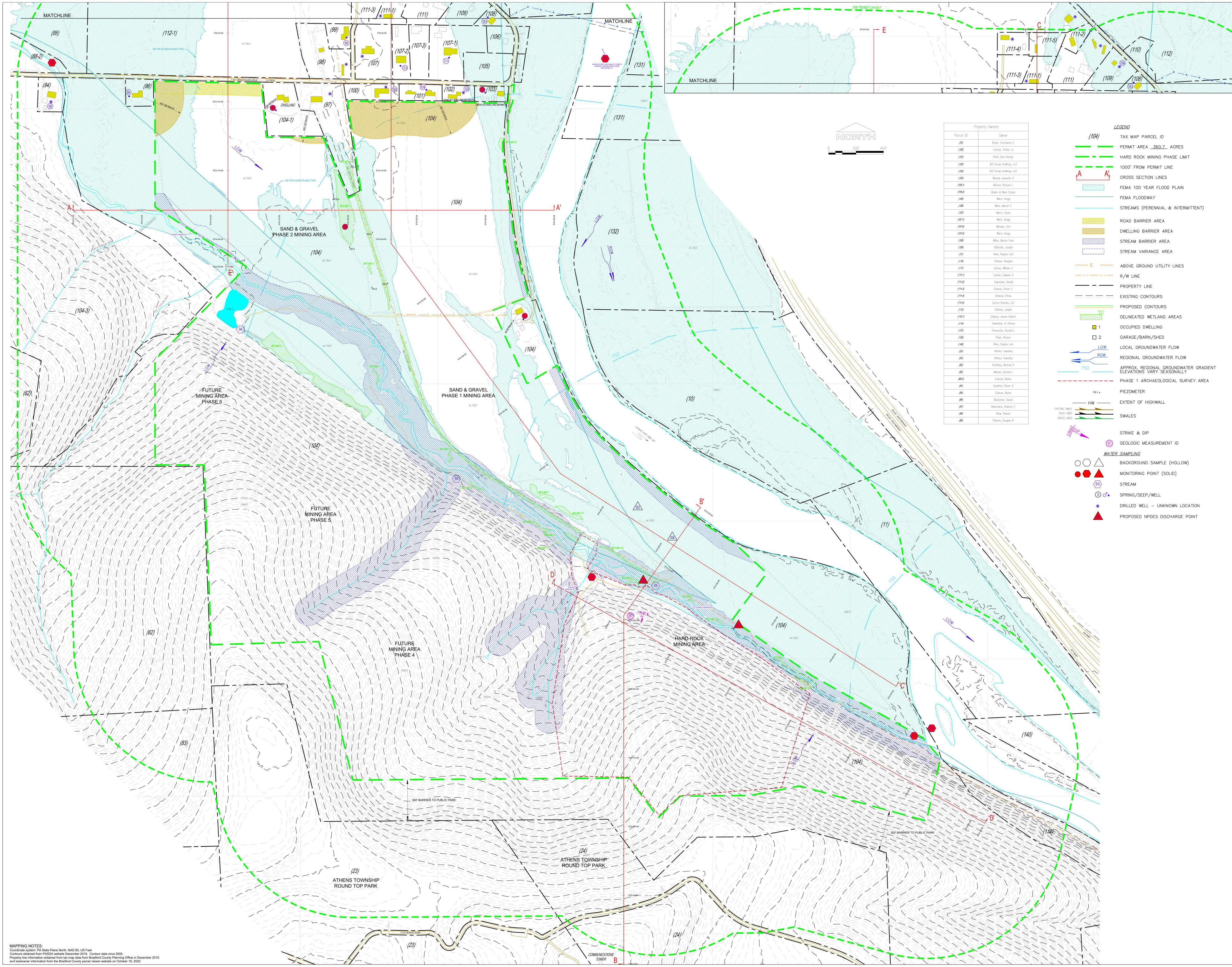
MATCHLINE
(95)
(112-1)
(88-2)
(94)
(96)
(99)
(98)
(107)
(107-2)
(107-3)
(107-1)
(111-3)
(111-1)
(111)
(109)
(108)
(106)
(105)
(100)
(101)
(102)
(103)
(97)
(104-1)
DWELLING
(104)
100' SETBACK
300' SETBACK
ZERO (0') DWELLING SETBACK
60' SETBACK
T-303 MEADOWLARK DRIVE
33' ROW
100 YR FLOOD PLAIN (TYP)
AG FIELD
FOREST
LGW
RGW
FEMA FLOODWAY
A
A'
B
B'
C
C'
D
D'
E
E'
SAND & GRAVEL PHASE 2 MINING AREA
SAND & GRAVEL PHASE 1 MINING AREA
HARD ROCK MINING AREA
FUTURE MINING AREA PHASE 5
FUTURE MINING AREA PHASE 4
(104-3)
(62)
(83)
(131)
(132)
(10)
(11)
(140)
(114)
(23)
(24)
ATHENS TOWNSHIP ROUND TOP PARK
300' BARRIER TO PUBLIC PARK
T-316 BOBCAT ROAD
COMMUNICATIONS TOWER
POND A
S4A
S1A
S1B
003
004
M1
STREAM VARIANCE #1
STREAM VARIANCE #2
STREAM VARIANCE #3
WETLAND K
WETLAND E
WETLAND AA
SPRING
PZ-1
PZ-2
PZ-3
PZ-4
PZ-5
PZ-6
754
752
750
CHEMUNG RIVER (WWF, MF)
SR-220 NORTHBOUND
SR-220 SOUTHBOUND
ON RAMP
OFF RAMP
SAMPLE POINT 3,000' NNW AT TOZER'S LANDING TOWNSHIP BOAT RAMP SEE EXHIBIT 6.1
1000' PERMIT OFFSET
(111-4)
(111-5)
(111-2)
(110)
(112)
NORTH
0
200'
400'

| Property Owners | |
|---|---|
| Parcel ID | Owner |
| (10) | Bryan, Constance C |
| (100) | Forrest, Arthur Jr |
| (101) | Rosh, Bud George |
| (102) | JDS Group Holdings, LLC |
| (103) | JDS Group Holdings, LLC |
| (104) | Minard, Jeanette H |
| (104-1) | Minard, Richard L |
| (104-3) | Blaine & Mark Elsbee |
| (105) | Ward, Gregg |
| (106) | Miller, Marvin F |
| (107) | Martz, David |
| (107-1) | Ward, Gregg |
| (107-2) | Wheeler, Erin |
| (107-3) | Ward, Gregg |
| (108) | Miller, Marvin Fred |
| (109) | Dabroski, Joseph |
| (11) | Allen, Regina Lois |
| (110) | Elsbree, Douglas |
| (111) | Sutton, William C |
| (111-1) | Carolin, Edward A |
| (111-2) | Townsand, Gerald |
| (111-3) | Elsbree, Ethan C |
| (111-4) | Elsbree, Ethan |
| (111-5) | Sutton Rentals, LLC |
| (112) | Elsbree, Joseph |
| (112-1) | Elsbree, James Robert |
| (114) | Townhship of Athens |
| (131) | Parmanter, Ronald L |
| (132) | Rosh, Roman |
| (140) | Allen, Regina Lois |
| (23) | Athens Township |
| (24) | Athens Township |
| (62) | Keathley, Michael D |
| (83) | Weaver, Donald L |
| (88-2) | Elsbree, Blaine |
| (94) | Sparduti, Eileen A |
| (95) | Elsbree, Blaine |
| (96) | Blackman, Daniel |
| (97) | Blanchard, Roberta C |
| (98) | Blow, Robert |
| (99) | Elsbree, Douglas R |

## LEGEND

| | |
|---|---|
| (104) | TAX MAP PARCEL ID |
| — — | PERMIT AREA 360.7 ACRES |
| — - — | HARD ROCK MINING PHASE LIMIT |
| - - - | 1000' FROM PERMIT LINE |
| A A' | CROSS SECTION LINES |
| ▨ | FEMA 100 YEAR FLOOD PLAIN |
| — | FEMA FLOODWAY |
| — | STREAMS (PERENNIAL & INTERMITTENT) |
| ▨ | ROAD BARRIER AREA |
| ▨ | DWELLING BARRIER AREA |
| ▨ | STREAM BARRIER AREA |
| ⬚ | STREAM VARIANCE AREA |
| — E — | ABOVE GROUND UTILITY LINES |
| - · - | R/W LINE |
| — - — | PROPERTY LINE |
| — — — | EXISTING CONTOURS |
| ═ | PROPOSED CONTOURS |
| ▨ | DELINEATED WETLAND AREAS |
| ■ 1 | OCCUPIED DWELLING |
| ☐ 2 | GARAGE/BARN/SHED |
| LGW | LOCAL GROUNDWATER FLOW |
| RGW | REGIONAL GROUNDWATER FLOW |
| 752 | APPROX. REGIONAL GROUNDWATER GRADIENT ELEVATIONS VARY SEASONALLY |
| - - - | PHASE 1 ARCHAEOLOGICAL SURVEY AREA |
| PZ-1 • | PIEZOMETER |
| — HW — | EXTENT OF HIGHWALL |
| EXISTING SWALE<br>ROCK LINED<br>GRASS LINED | SWALES |
| STRIKE DIP | STRIKE & DIP |
| M1 | GEOLOGIC MEASUREMENT ID |

### WATER SAMPLING

| | |
|---|---|
| ○ ⬡ △ | BACKGROUND SAMPLE (HOLLOW) |
| ● ⬢ ▲ | MONITORING POINT (SOLID) |
| S1A | STREAM |
| 1A ♂ • | SPRING/SEEP/WELL |
| ◉ | DRILLED WELL – UNKNOWN LOCATION |
| ▲ 001 | PROPOSED NPDES DISCHARGE POINT |

MAPPING NOTES:
Coordinate system: PA State Plane North, NAD 83, US Feet
Contours obtained from PASDA website December 2019. Contour data circa 2005.
Property line information obtained from tax map data from Bradford County Planning Office in December 2019
and landowner information from the Bradford County parcel viewer website on October 19, 2020.

| REV. | DATE | BY | COMMENT |
|---|---|---|---|
| 3 | 06/11/24 | tsg | Response to DEP 05/22/24 TDL |
| 2 | 02/26/24 | tsg | Response to DEP 12/27/23 TDL |
| 1 | 07/01/23 | tsg | Provide wetland identification labels & corrected legend text |

FILE Minard.dwg

ROBERT J. STORMER, JR., P.G. 06/11/24

TIMOTHY S GOURLEY, P.E. 06/11/24
PE 061753

PROJECT NO.: 20.0113
DRAWING NO.: Minard-Details
DRAWN BY: tsg 12/06/21
CHKD BY: TSG 06/11/24

**TRACT ENGINEERING, PLLC**
120 Ridge Avenue
State College, PA 16803
814 272 0301
www.TractLLC.com

PROJECT: Minard Mine - SMP 08230301
Bishop Brothers Construction Co., Inc.
Athens Township, Bradford County, Pennsylvania
Lands of Jeanette Minard
Tax Parcel ID 09-020.00-104

TITLE: Exhibit 6.2
Environmental Resources Map

Date: 05/05/23

Rev No: 3

Sheet No: 1 of 1