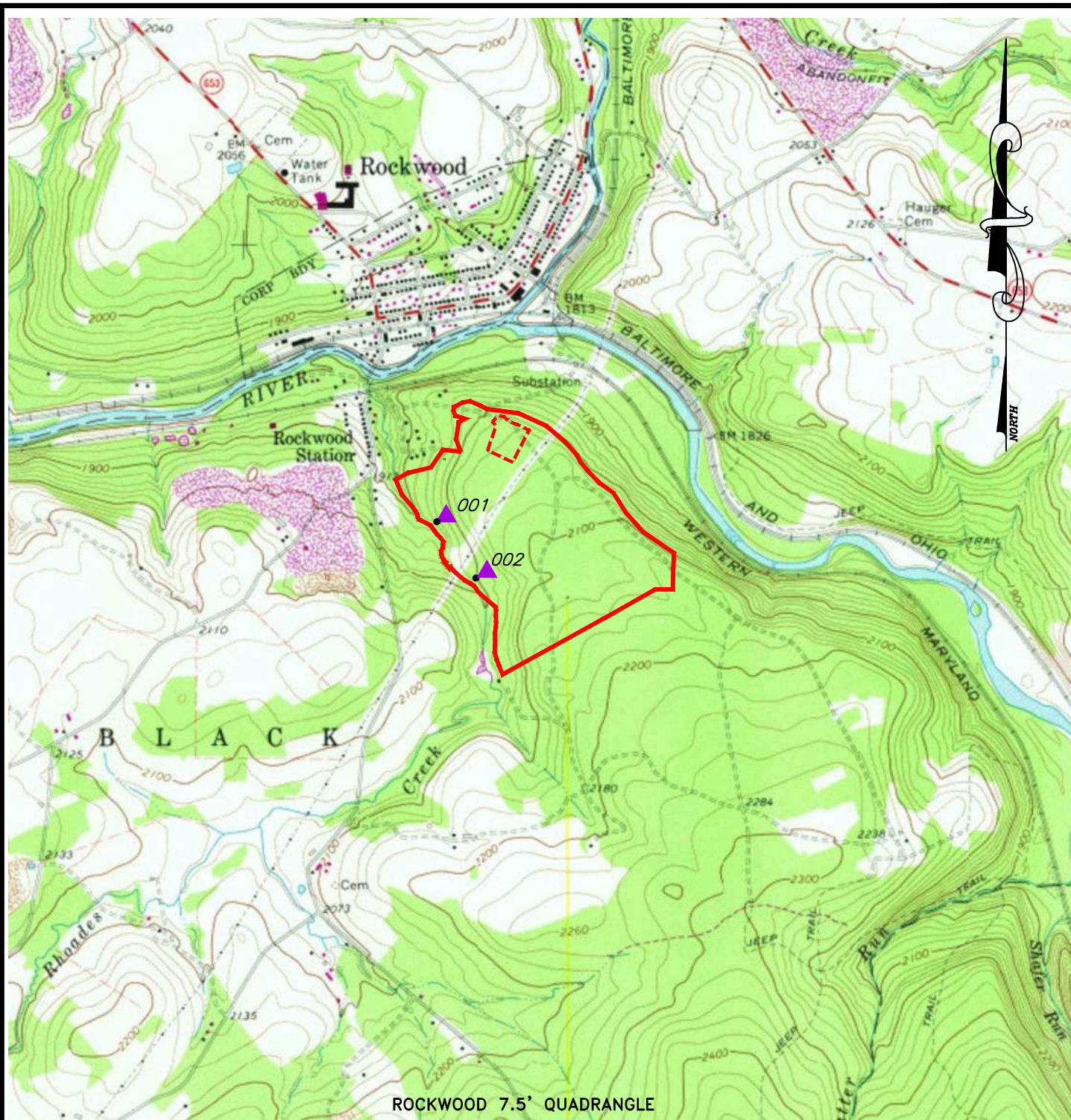


LEGEND	
———	PERMIT AREA - 175 AC.
- - - - -	EXISTING SNC PERMIT #56190801
▲ 001	NPDES DISCHARGE POINT

EXHIBIT 6.1: LOCATION MAP

ROCKWOOD STONE, LLC
ROCKWOOD QUARRY

BLACK TOWNSHIP, SOMERSET COUNTY, PA

FILE NAME:
Rockwood Quarry 2024.dwg

SCALE:
1" = 2000'

DATE:
06-09-2025

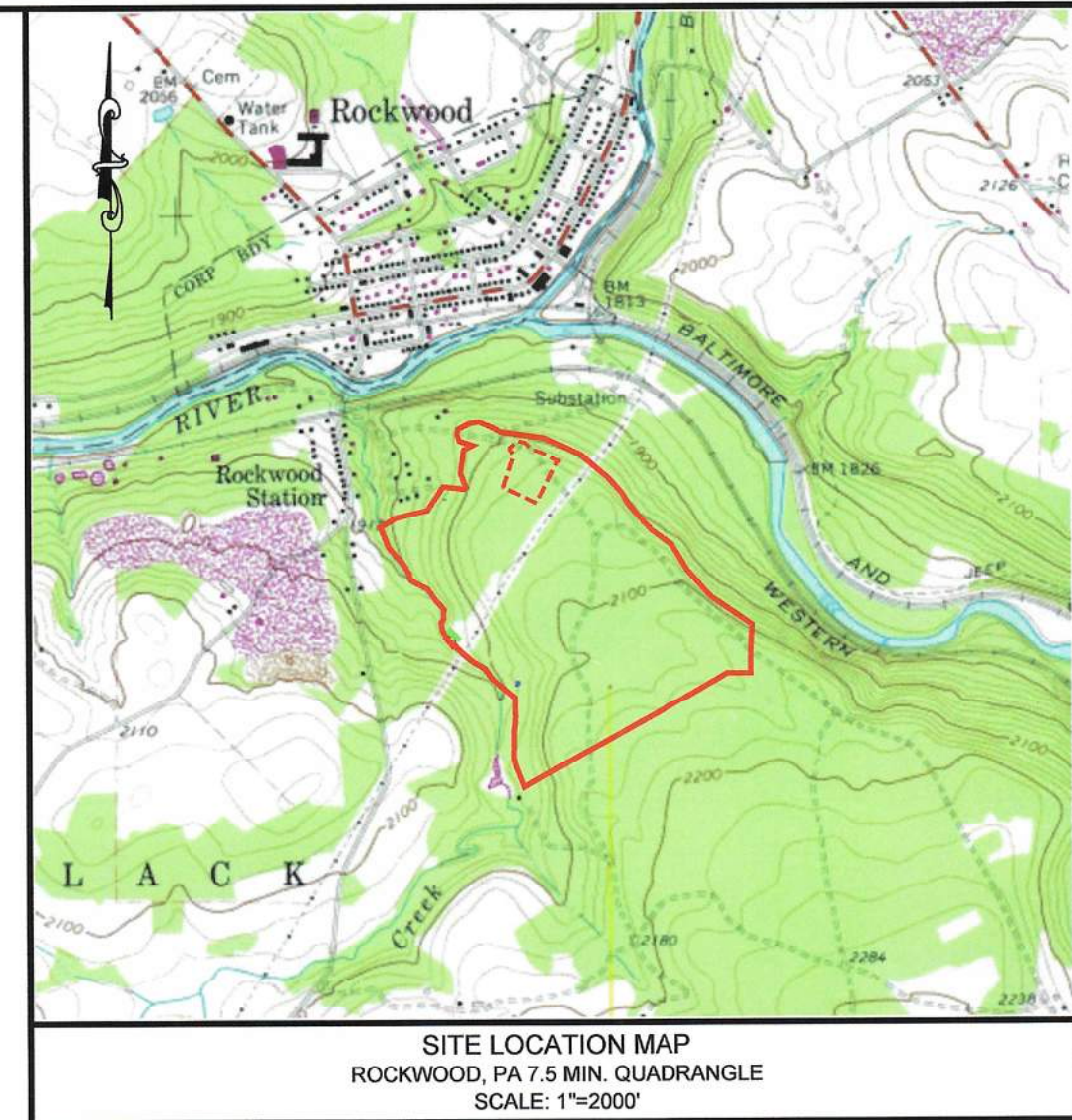
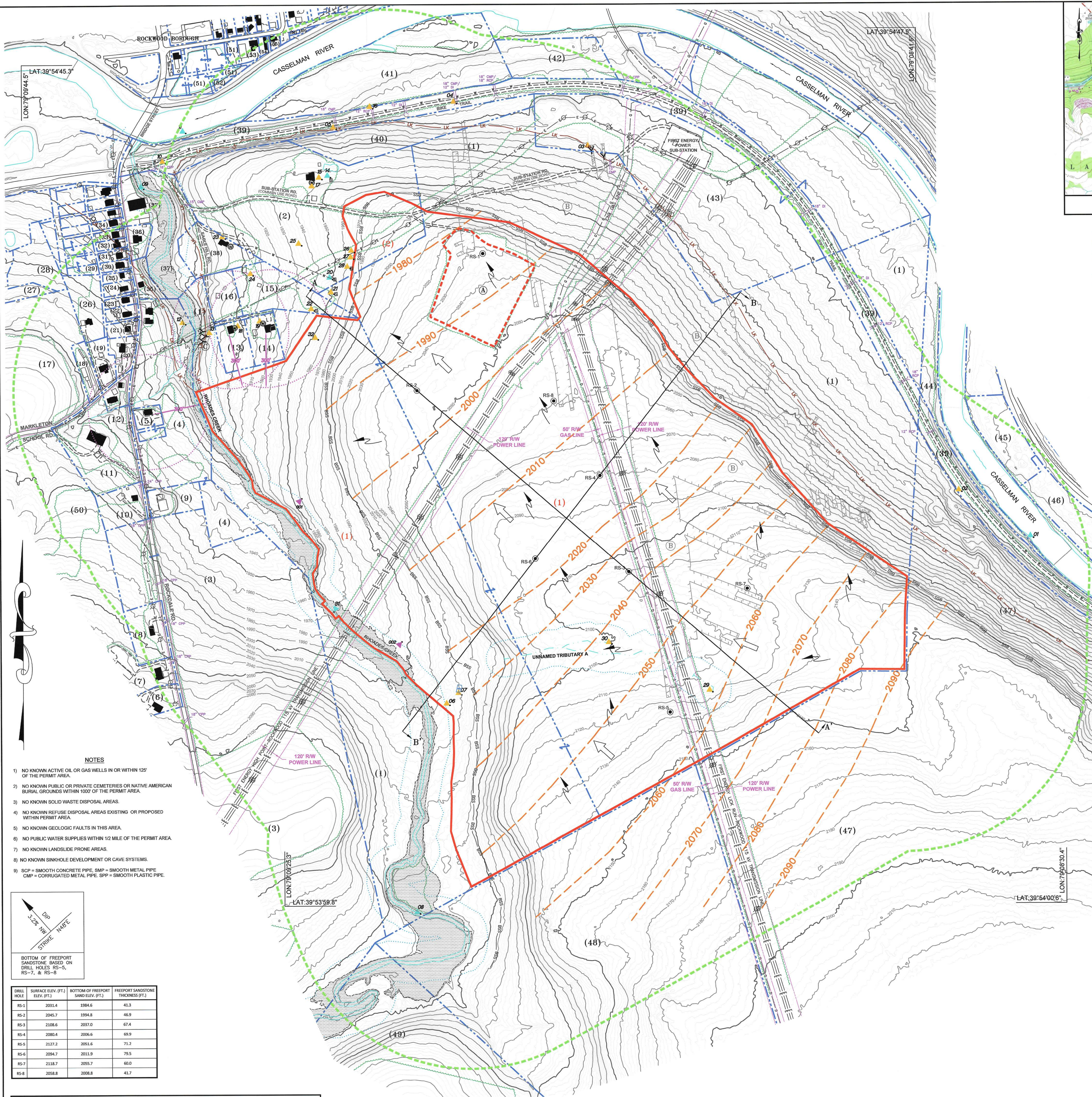
DWN. BY:
SIP

CHK. BY:
RDS



Earthtech, Inc.

966 Pleasant Hill Road, Somerset, PA 15501
Telephone: (814) 266-6402
www.earthtechinc.net



- LEGEND**
- PERMIT LINE - 175 ACRES
 - PERMIT LINE - EXISTING
 - 1000' OFFSET LINE
 - PROPERTY LINE
 - BARRIER
 - STREAM BARRIER
 - DWELLING BARRIER
 - EXISTING CONTOURS (2' INTERVAL)
 - STREAM
 - EXISTING POND
 - EXISTING WETLAND
 - IMPROVED ROAD
 - UNIMPROVED ROAD
 - TREE LINE
 - GAS LINE
 - ELECTRIC LINE
 - WATER LINE
 - OCCUPIED BUILDING
 - UNOCCUPIED BUILDING
 - EXISTING CULVERTS
 - PROPERTY NUMBERS
 - UTILITY POLE
 - MINE ENTRY
 - DEEP MINE
 - CROP - BOTTOM OF FREEPORT SANDSTONE
 - STRUCTURE CONTOUR - BASE OF FREEPORT SANDSTONE
 - LOWER KITTANNING CROP (PROJECTED FROM NEARBY ENTRIES)
 - REGIONAL GROUNDWATER FLOW
 - LOCAL GROUNDWATER FLOW
 - WATER SAMPLE - BACKGROUND
 - WATER SAMPLE - MONITORING
 - DRILL HOLE
 - NPDES DISCHARGE POINT
 - WATER WELL
 - SPRING HOUSE
 - GEOLOGIC CROSS SECTIONS
 - FEMA FLOOD ZONE A

- SURFACE PROPERTY OWNERS (N/F)**
- (1) JOSEPH C. & LYNETTE E. METZGAR
 - (2) ON THE TRAIL, LLC
 - (3) HARRY WILLIAM MOSHOLDER
 - (4) JOHN FRANKLIN SNYDER
 - (5) BLACK TOWNSHIP
 - (6) CAROLINE JONES
 - (7) SAMUEL G. & CHRISTINE SANNER
 - (8) PATRICK ANN MOSHOLDER
 - (9) BLACK TOWNSHIP
 - (10) MARK E. & MICHELLE L. MULL
 - (11) EDWARD D. & ESTHER C. BAKER
 - (12) BRUCE & BRENDA CHILES
 - (13) ROBERT D. & BARBARA J. TROUT
 - (14) GREGORY J. & THERESA L. PAKOSKY
 - (15) GREGORY J. & THERESA L. PAKOSKY
 - (16) MAURICE MONDON DICKEY C/O BARBARA TROUT
 - (17) LYNN N. & DEBRA A. SANNER
 - (18) SAMUEL G. SANNER
 - (19) DEBRA E. WAGNER
 - (20) CHARLES SCOTT MONORAK & KRISTEN A. PRITS
 - (21) JON J. & KORTINI D. PRIEBELSKY
 - (22) ALYSON ELIZABETH CRAMER
 - (23) SEAN T. EMBISON II
 - (24) NEAL C. & LYNETTE R. ADOLPHSON
 - (25) NATHAN J. PUTMAN
 - (26) BROOKE C. & LERANNA BAER
 - (27) LYNN D. & DEBRA A. SANNER
 - (28) JUSTIN TRIMPEY & AMANDA URBAN
 - (29) DANIE L. PAUL
 - (30) JAMES EDWARD BRANT
 - (31) REBEKAH M. & ROBERT G. DESKEVICH
 - (32) JOSEPH D. LEDOSKY
 - (33) RICK L. BRYNER
 - (34) ROBERT & TRACY A. DESKEVICH
 - (35) KEVIN A. PHILLIPS
 - (36) ANNA MARIE LESHNER & JOSHUA J. WITHROW
 - (37) ROCKWOOD AMERICAN LEADON
 - (38) JAMES & DEBRA A. MALLORY
 - (39) COUNTY OF SOMERSET
 - (40) BARRY L. & B. JEAN ATCHISON
 - (41) BARRY L. & B. JEAN ATCHISON
 - (42) PENELEC C/O FIRST ENERGY SERVICE CO.
 - (43) PENELEC C/O FIRST ENERGY SERVICE CO.
 - (44) DOUGLAS L. & ROXANNE SANNER
 - (45) TODD DAVID MILLER & HEATHER M. WEMER
 - (46) B&O RR CO. C/O CSX TRANSPORTATION CO. INC.
 - (47) DOUGLAS L. & ROXANNE SANNER
 - (48) KRISTIN ATCHISON TRUSTEES C/O OF LARRY R. SANNER
 - (49) GAIL A. SNIDER
 - (50) SAMUEL G. & CHRISTINE SANNER
 - (51) BOROUGH OF ROCKWOOD
 - (52) UNKNOWN
 - (53) JASON L. & KELLY L. ATCHISON
 - (54) ROBERT C. & LYNETTE ATCHISON
 - (55) WAYNE R. DAVIS
 - (56) CHARLES G. GARY
 - (57) ROCKWOOD BOROUGH

- NOTES**
- NO KNOWN ACTIVE OIL OR GAS WELLS IN OR WITHIN 125' OF THE PERMIT AREA.
 - NO KNOWN PUBLIC OR PRIVATE CEMETERIES OR NATIVE AMERICAN BURIAL GROUNDS WITHIN 1000' OF THE PERMIT AREA.
 - NO KNOWN SOLID WASTE DISPOSAL AREAS.
 - NO KNOWN REFUSE DISPOSAL AREAS EXISTING OR PROPOSED WITHIN PERMIT AREA.
 - NO KNOWN GEOLOGIC FAULTS IN THIS AREA.
 - NO PUBLIC WATER SUPPLIES WITHIN 1/2 MILE OF THE PERMIT AREA.
 - NO KNOWN LANDSLIDE PRONE AREAS.
 - NO KNOWN SINKHOLE DEVELOPMENT OR CAVE SYSTEMS.
 - SGP = SMOOTH CONCRETE PIPE, SMP = SMOOTH METAL PIPE, CMP = CORRUGATED METAL PIPE, SPP = SMOOTH PLASTIC PIPE.

Diagram showing a cross-section of a drill hole with labels for 'DIP', 'STRIKE', and 'N40E'.

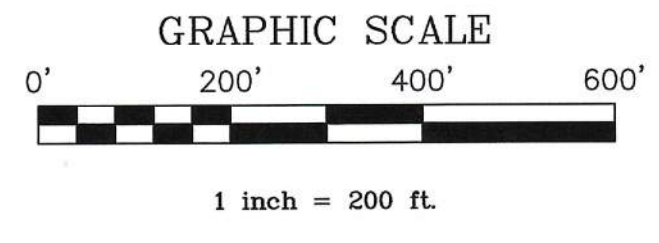
DRILL HOLE	SURFACE ELEV. (FT.)	BOTTOM OF FREEPORT SANDSTONE ELEV. (FT.)	FREEPORT SANDSTONE THICKNESS (FT.)
RS-1	2031.4	1984.6	41.3
RS-2	2045.7	1994.8	46.9
RS-3	2108.6	2037.0	67.4
RS-4	2080.4	2006.6	69.9
RS-5	2127.2	2051.6	71.2
RS-6	2094.7	2011.9	79.5
RS-7	2118.7	2055.7	60.0
RS-8	2058.8	2008.8	41.7

MAP KEY	OPERATOR	PERMIT #	STATUS	MINERAL	MINE TYPE	WATER SAMPLE NO.
(A)	ROCKWOOD STONE LLC	56190801	EXISTING	FREEPORT SANDSTONE	SMALL NON-COAL	N/A
(B)	PENELEC COAL	UNKNOWN	ABANDONED	LOWER KITTANNING COAL	UNDERGROUND	3, 4
(C)	UNKNOWN PUNCH MINE	UNKNOWN	ABANDONED	LOWER KITTANNING COAL	PUNCH MINE	13

NOTE: THIS EXHIBIT WAS PREPARED IN ACCORDANCE WITH ACCEPTED ENGINEERING, GEOLOGY, AND SURVEYING PRACTICES. THE FEATURES WITHIN 1000' OF THE PERMIT AREA WERE PREPARED WITH THE AID OF USGS MAPS, AERIAL PHOTOGRAPHY, FIELD OBSERVATION, AND COUNTY TAX RECORDS. THE FEATURES OUTSIDE OF THE 1000' PERIMETER ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND THEIR ACCURACY IS NEITHER STATED NOR IMPLIED TO BE OTHER THAN GENERAL INFORMATION. PROPERTY LINES DO NOT REPRESENT ACTUAL PROPERTY SURVEYS.

UTILITY LOCATIONS ARE DEPICTED THROUGH FIELD RECONNAISSANCE AND MAY NOT REPRESENT ACTUAL OR SURVEYED LOCATIONS. PRIOR TO ANY MINING OR EXCAVATION THE OPERATOR IS REQUIRED TO NOTIFY THE PA ONE CALL SYSTEM, INC. (800-451-1222) TO HAVE ALL UTILITY LINES LOCATED.

THE LOCATION AND EXTENT OF ABANDONED UNDERGROUND MINE WORKINGS SHOWN ON THIS DRAWING ARE BASED UPON AVAILABLE DATA WITHOUT THE BENEFIT OF A FINAL CERTIFIED MINE MAP. ACCORDINGLY, NEITHER EARTHTECH, INC. NOR THE PROFESSIONAL ENGINEER SEALING THESE MAPS CERTIFIES, WARRANTS, OR GUARANTEES THE PRECISE LOCATION OR EXTENT OF ABANDONED MINE WORKINGS DEPICTED HEREON. UNKNOWN OR UNMAPPED MINES MAY EXTEND BEYOND THE DEPICTED BOUNDARIES AND MAY CONTAIN SAFETY HAZARDS.

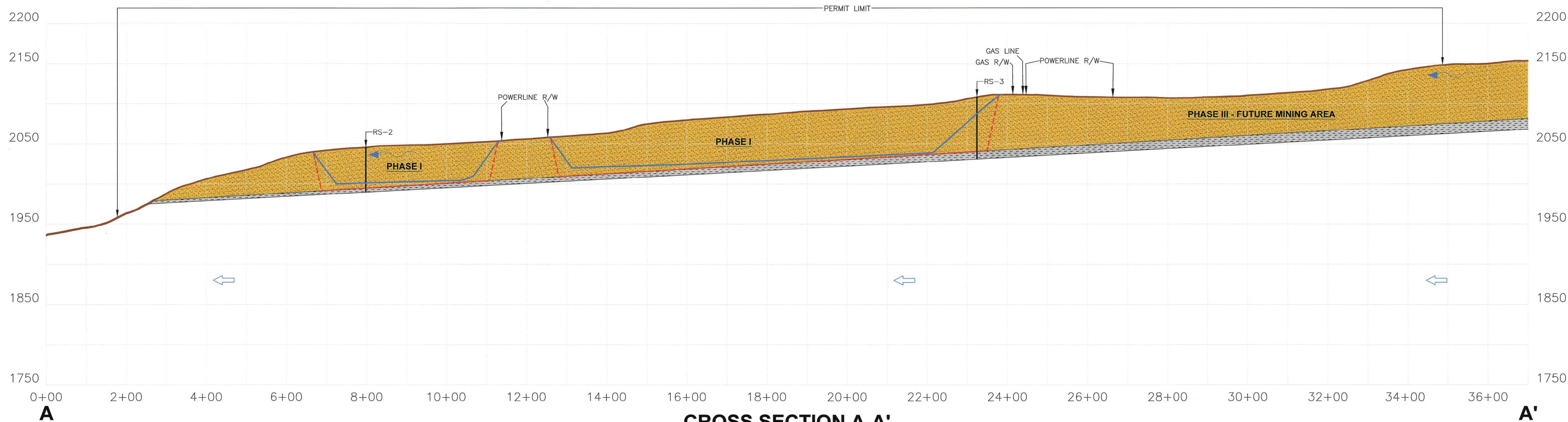


NO.	DATE	DESCRIPTION	BY
2	6-9-2025	REVISIONS PER 5-14-2025 DEP LETTER	CGY
1	1-31-2025	ORIGINAL LNC APPLICATION	SIP

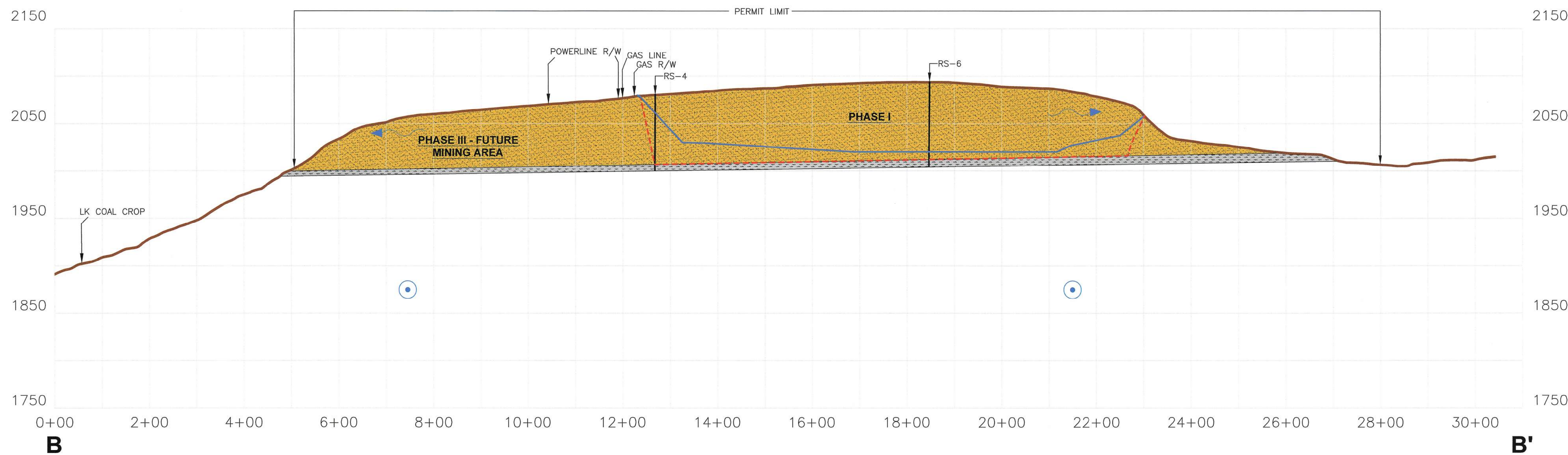
EXHIBIT 6.2 - ENVIRONMENTAL RESOURCES MAP

ROCKWOOD STONE, LLC
ROCKWOOD QUARRY
BLACK TOWNSHIP, SOMERSET COUNTY, PA.
SCALE: 1" = 200'

Earthtech, Inc.
966 Pleasant Hill Road, Somerset, PA 15501
Telephone: (814) 266-6402
http://www.earthtechinc.net



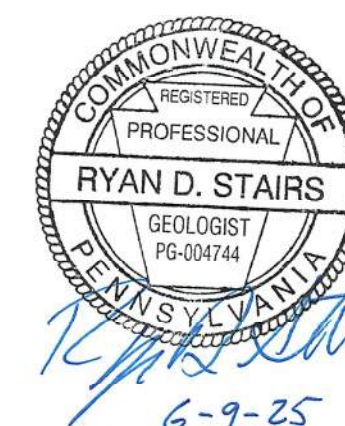
CROSS SECTION A-A'
SCALE: HORIZONTAL 1" = 100' & VERTICAL 1" = 50'



CROSS SECTION B-B'
SCALE: HORIZONTAL 1" = 100' & VERTICAL 1" = 50'

- LEGEND**
- SURFACE SOILS
 - FREEPORT SANDSTONE
 - SILTSTONE
 - SHALLOW GROUNDWATER FLOW DIRECTION
 - GROUNDWATER FLOW DIRECTION
 - GROUNDWATER FLOW TOWARD VIEWER
 - APPROXIMATE PROPOSED MINING (MINING HIGHWALL @ APPROX. 12")
 - APPROXIMATE PROPOSED RECLAMATION (RECLAIMED HIGHWALL @ APPROX. 35')

Z:\Mining\Rockwood Stone, LLC\Drawings\Rockwood Quarry 2024.dwg, Job Title: 6/9/2025 1:48:58 PM, Operator: RWS, Plot File: RWS.plt

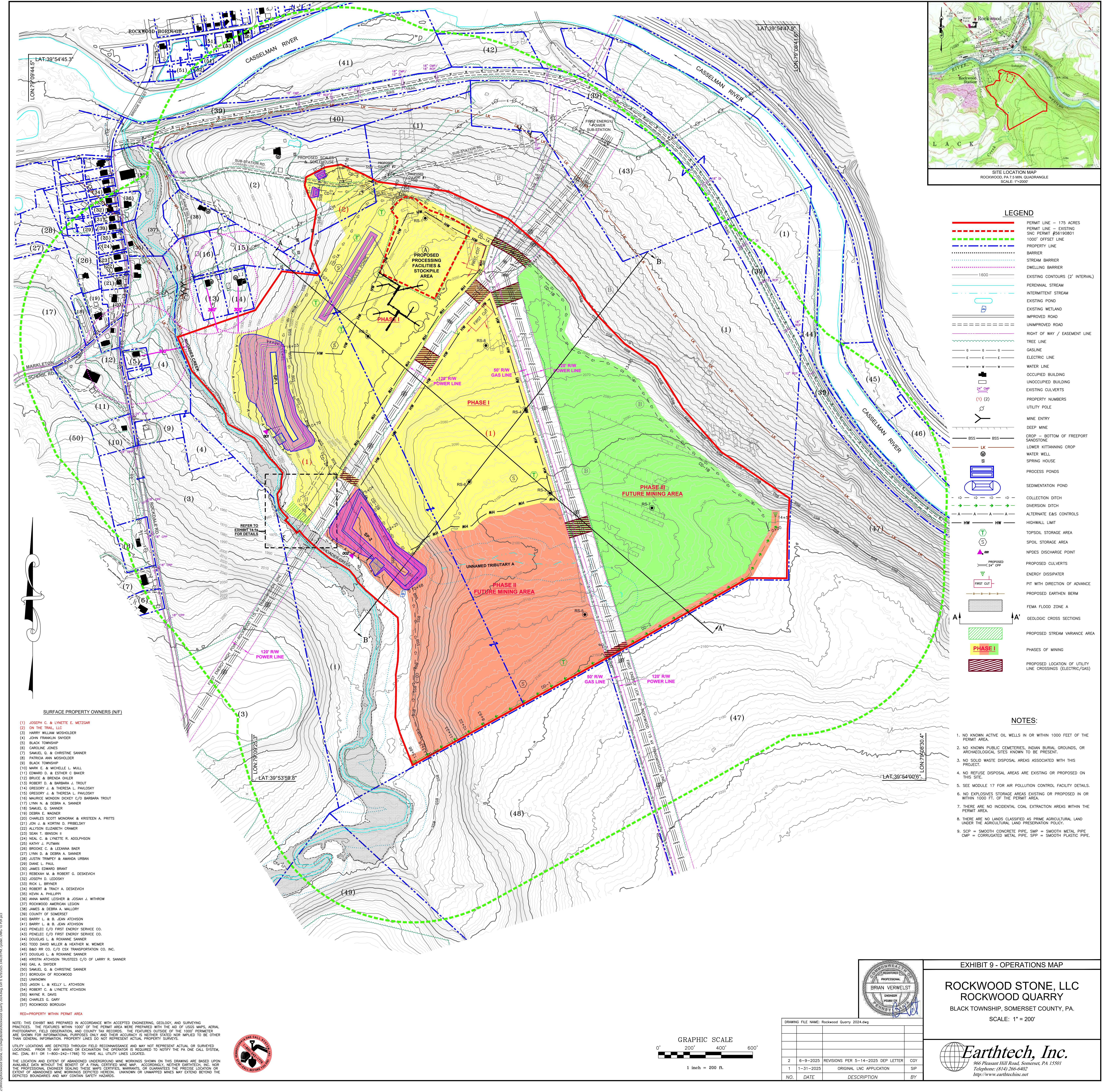


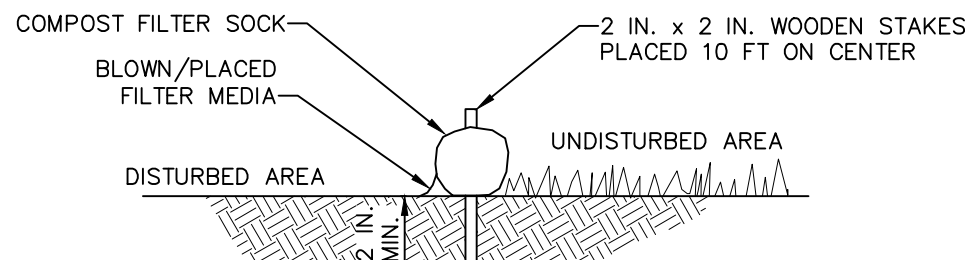
DRAWING FILE NAME: Rockwood Quarry 2024.dwg			
NO.	DATE	DESCRIPTION	BY
1	6-9-2025	REVISIONS PER 5-14-2025 DEP LETTER	OGY
1	1-31-2025	ORIGINAL LNC APPLICATION	SIP

EXHIBIT 7.1C
GEOLOGIC CROSS-SECTIONS
FOR
ROCKWOOD STONE, LLC
ROCKWOOD QUARRY
BLACK TOWNSHIP, SOMERSET COUNTY, PA
SCALE: AS NOTED

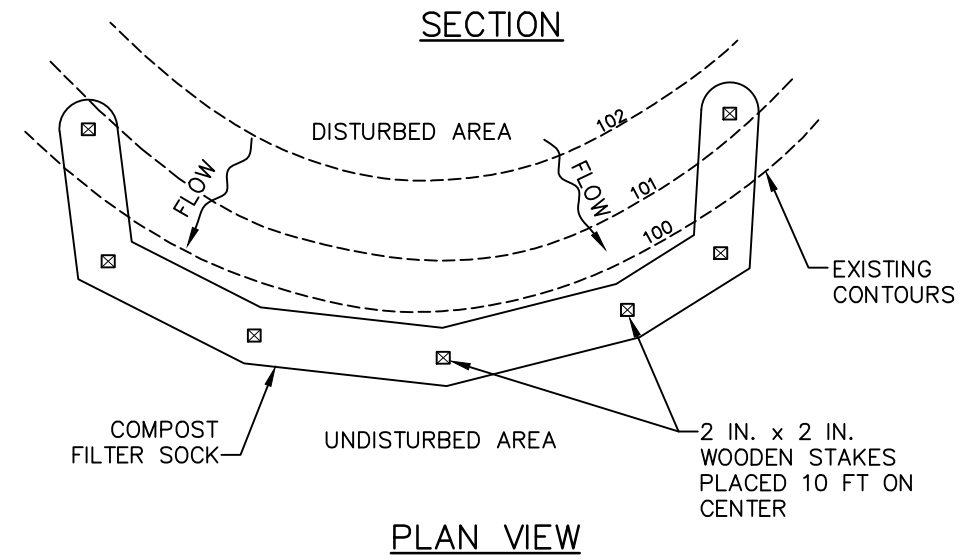
Earthtech, Inc.
966 Pleasant Hill Road, Somerset, PA 15501
Telephone: (814) 266-4402
<http://www.earthtechinc.net>







COMPOST FILTER SOCK SIZING TABLE	
SOCK NO.	SOCK DIAMETER
CFS-1	TRIPLE STACK 18"
CFS-2	32"
CFS-3	18"
CFS-4	12"



NOTES:

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

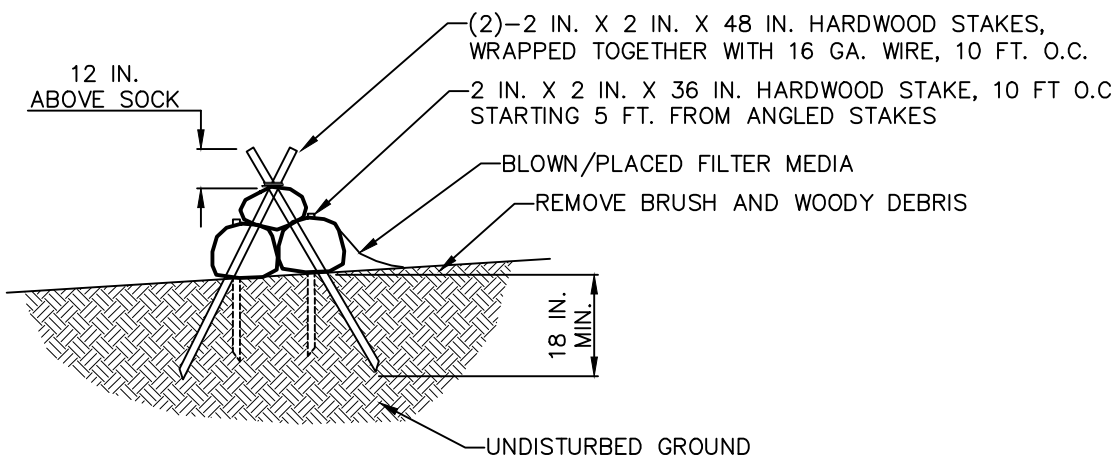
BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

STANDARD CONSTRUCTION DETAIL #4-1

COMPOST FILTER SOCK

NOT TO SCALE

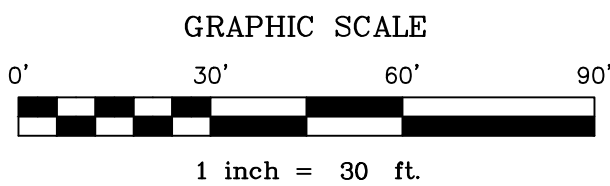
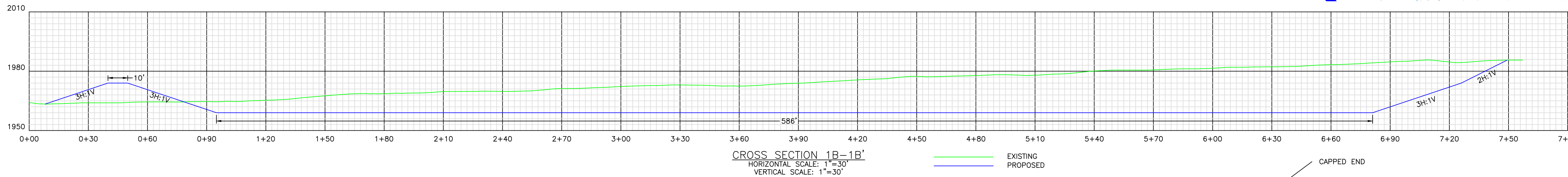
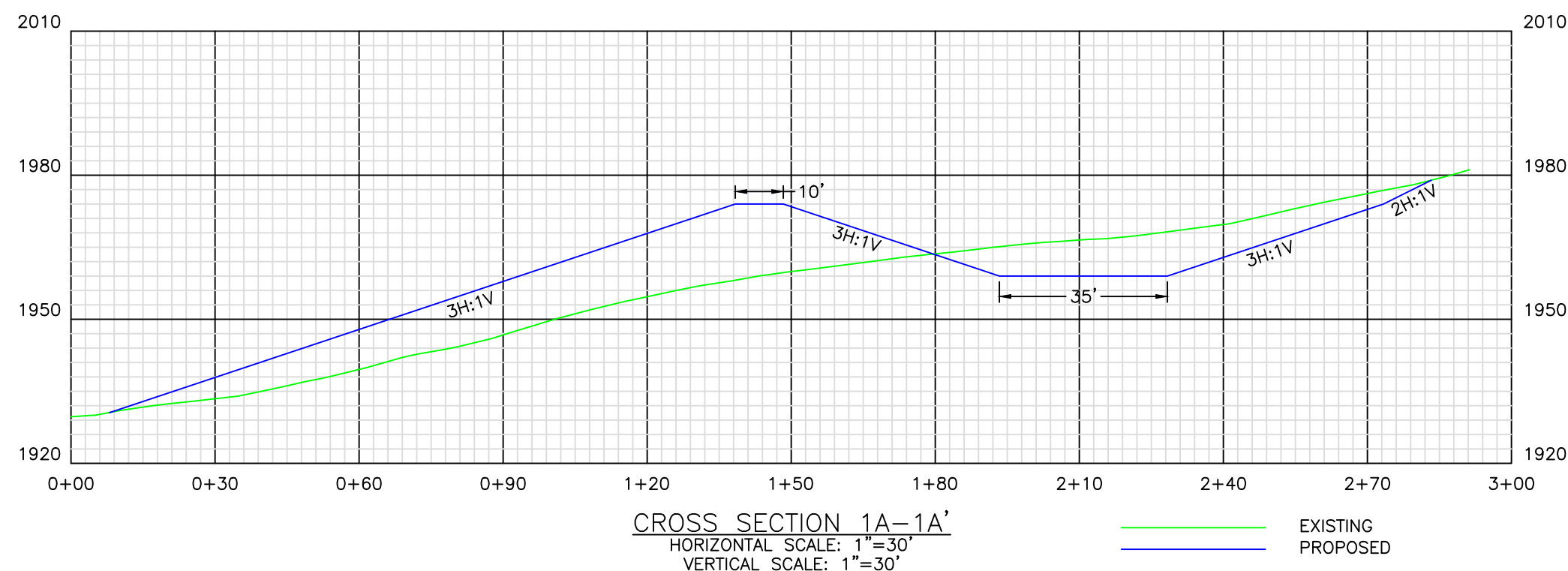
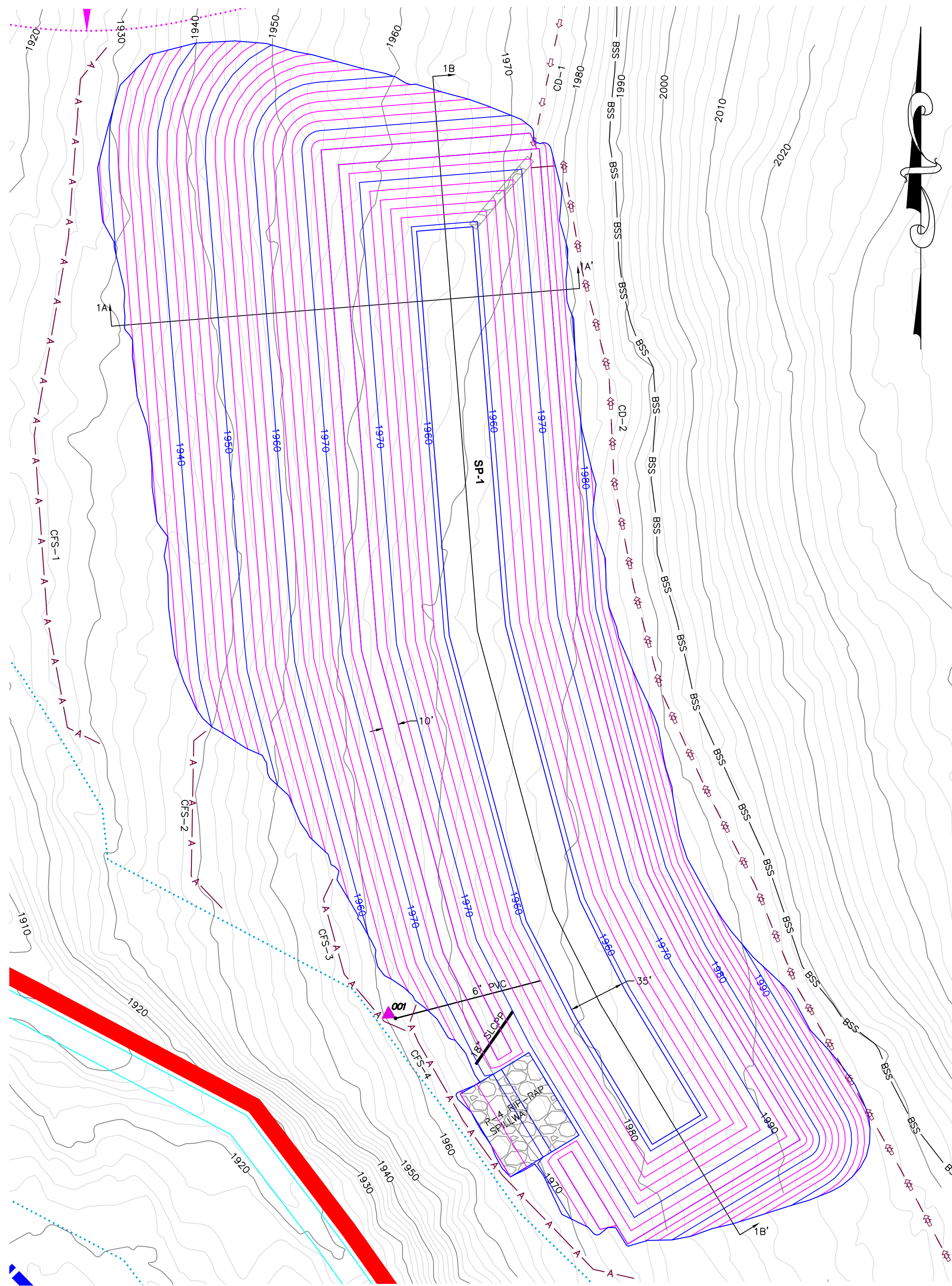
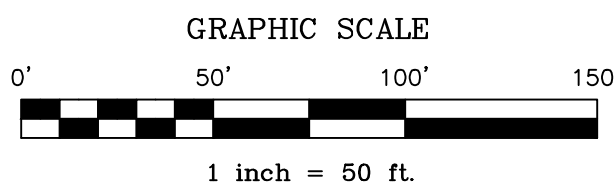


TRIPLE STACK COMPOST FILTER SOCK DETAIL

NOT TO SCALE

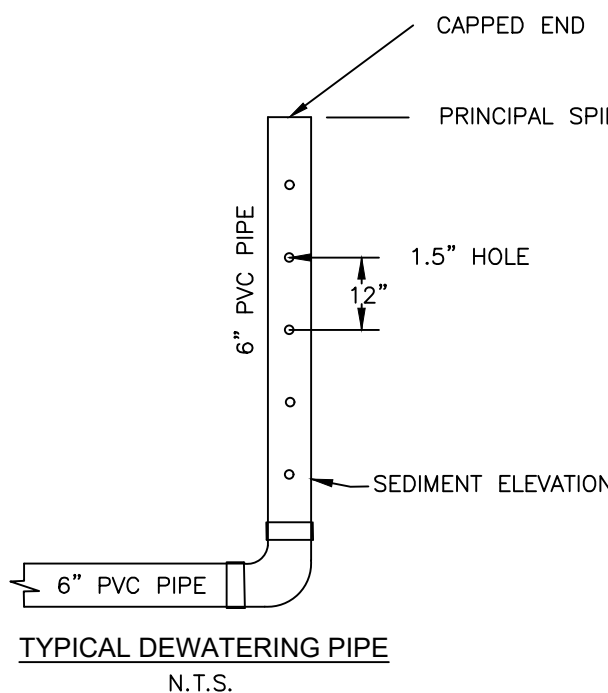
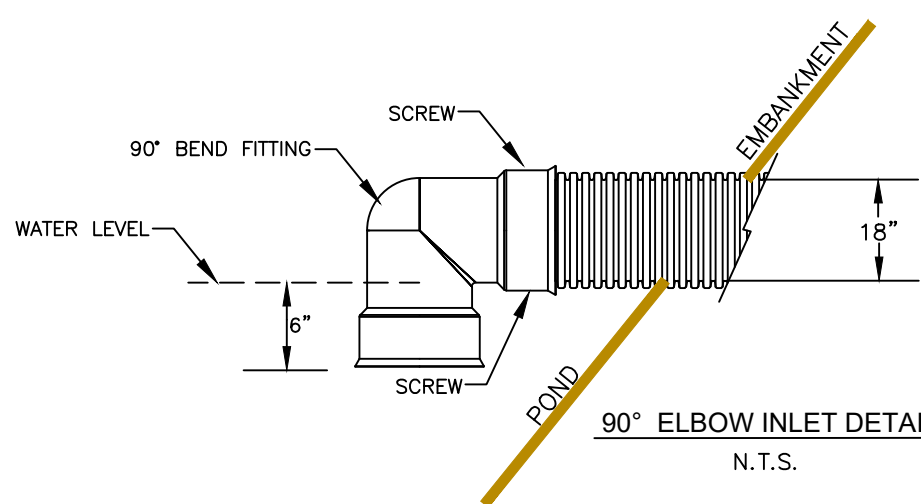
LEGEND

	STREAM BARRIER
	DWELLING BARRIER
	EXISTING CONTOURS (2' INTERVAL)
	PERENNIAL STREAM
	CROP - BOTTOM OF FREEPORT SANDSTONE
	PROPOSED COLLECTION DITCH
	PROPOSED CONTOURS (2' INTERVAL)
	NPDES DISCHARGE POINT
	PROPOSED COMPOST FILTER SOCK
	PERMIT LINE



TRIBUTARY AREA: 65.5 ACRES
POND CAPACITY AT EMERGENCY SPILLWAY: 608,418 C.F.
(REQUIRED DEWATERING VOLUME: 327,500 C.F. (5,000 C.F./ACRE)
(REQUIRED SEDIMENT VOLUME: 131,000 C.F. (2,000 C.F./ACRE)
(POND CAPACITY AT PRINCIPAL SPILLWAY: 131,304 C.F. (2,005 C.F./ACRE)
(DEWATERING VOLUME: 336,182 C.F. (5,133 C.F./ACRE)

TOP OF POND ELEVATION: 1974.0 FEET
EMERGENCY SPILLWAY ELEVATION: 1971.0 FEET
EMERGENCY SPILLWAY WIDTH: 60 FEET
PRINCIPAL SPILLWAY ELEVATION: 1970.0 FEET
PRINCIPAL SPILLWAY SIZE: 18 INCHES
SEDIMENT CLEANOUT ELEVATION: 1963.5 FEET
BOTTOM OF POND ELEVATION: 1959.0 FEET
DEWATERING PIPE SIZE: 6 INCHES
DEWATERING PIPE PERFORMANCES: 4 HOLES/ROW OF 1.5" DIA. @ 1 FT. SPACING FROM 1963.5 TO 1967.5



A STAKE SHALL BE PLACED NEAR THE CENTER OF THE POND WITH THE CLEAN OUT ELEVATION CLEARLY MARKED ON IT.

DRAWING FILE NAME: Rockwood Quarry 2024.dwg			
2	6-9-2025	REVISIONS PER 5-14-2025 DEP LETTER	CGY
1	1-31-2025	ORIGINAL LNC APPLICATION	SIP
NO.	DATE	DESCRIPTION	BY

EXHIBIT 13 - SHEET 1

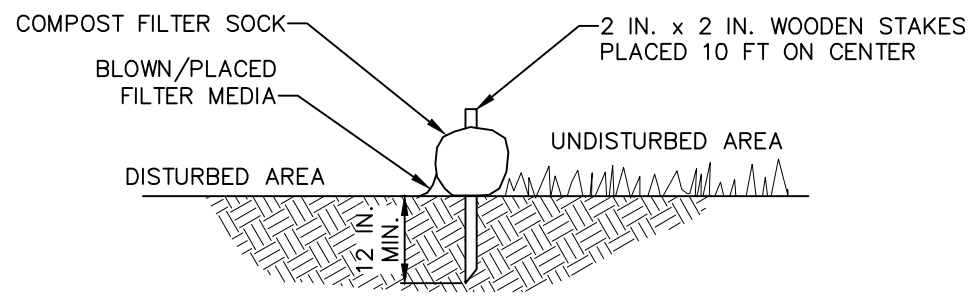
SEDIMENT POND 1 DETAILS

ROCKWOOD STONE, LLC ROCKWOOD QUARRY

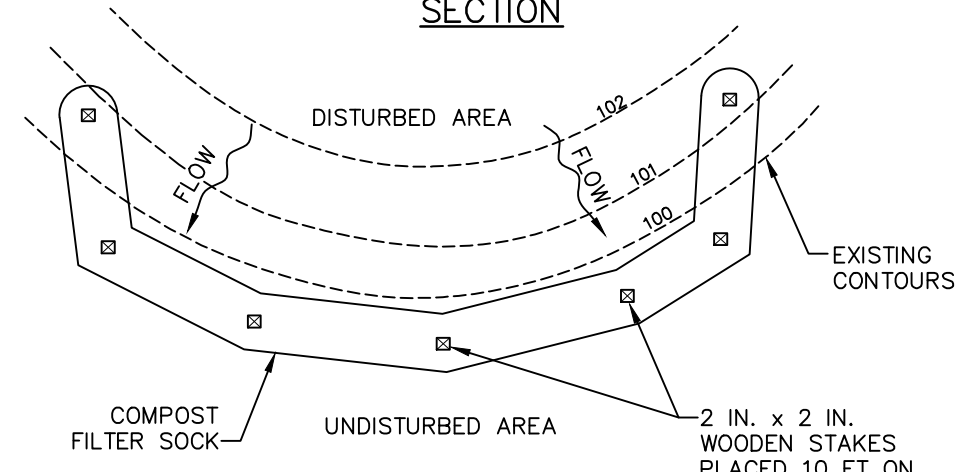
BLACK TOWNSHIP, SOMERSET COUNTY

SCALE: 1" = 50'





SOCK NO.	SOCK DIAMETER
CFS-5	24"
CFS-6	12"
CFS-7	12"



NOTES:

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS. PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

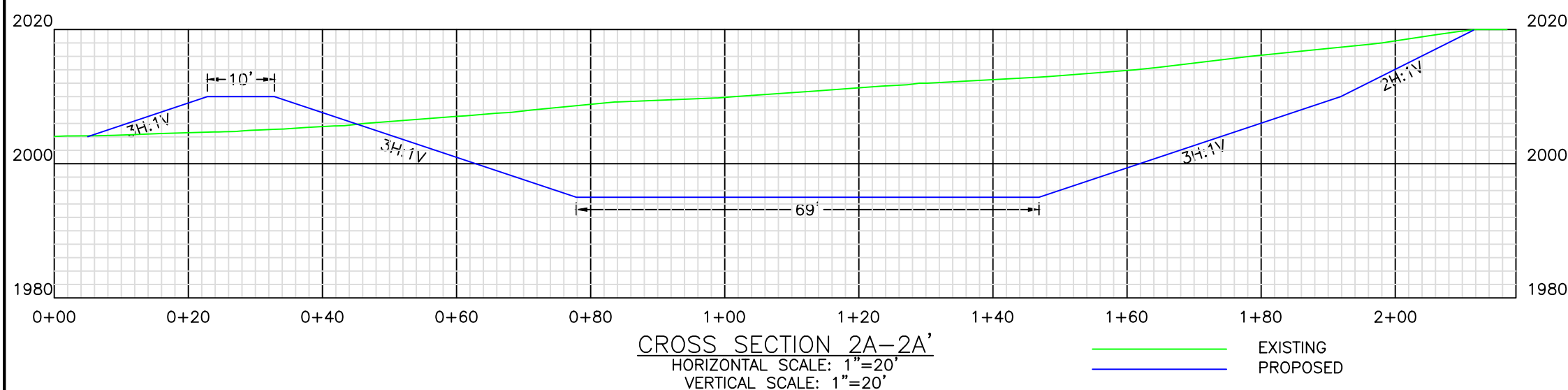
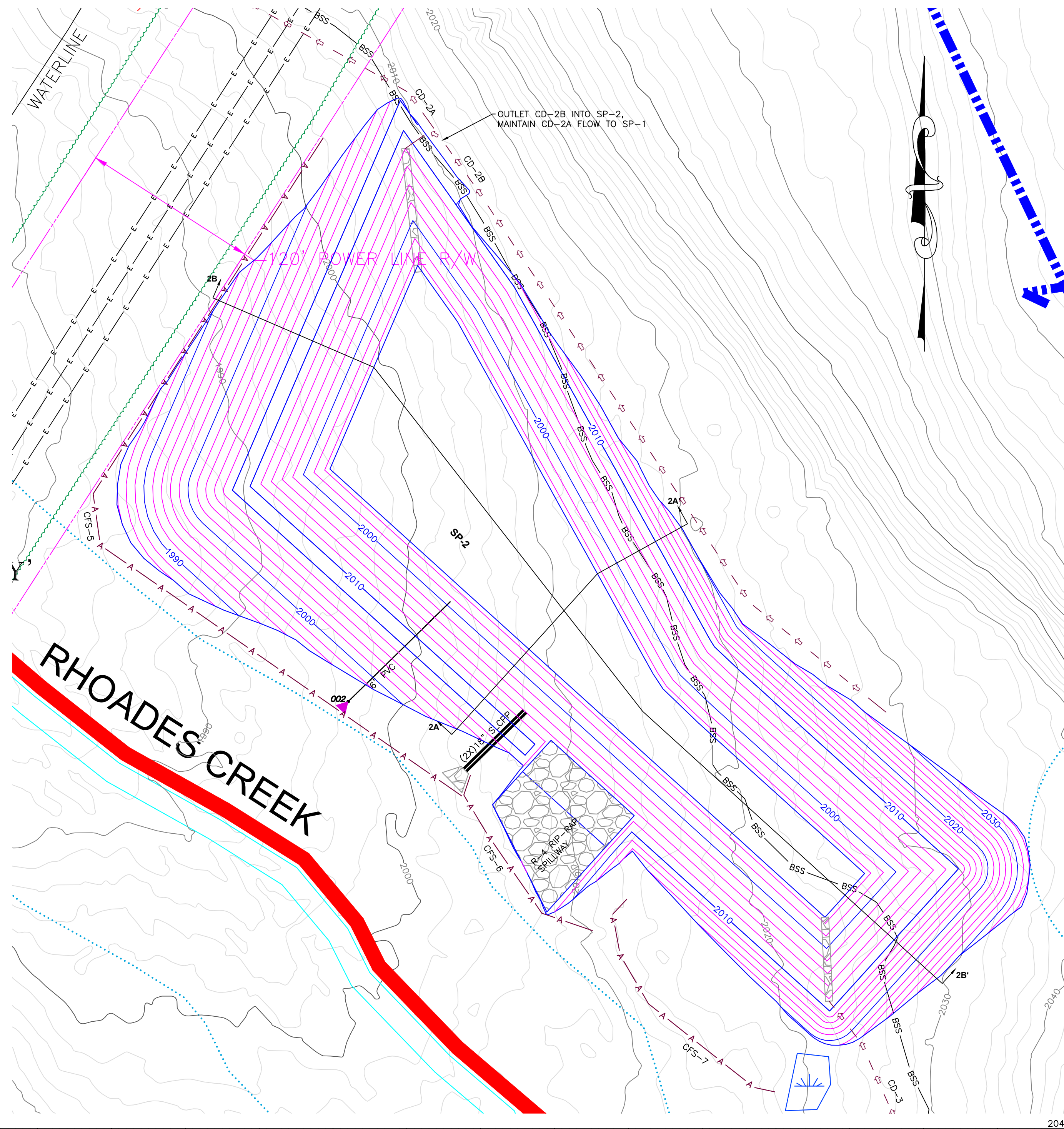
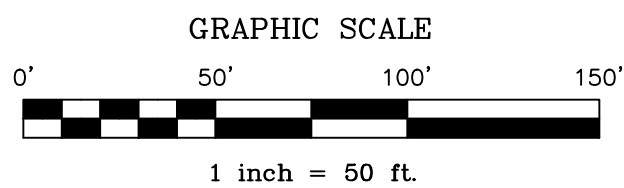
STANDARD CONSTRUCTION DETAIL #4-1

COMPOST FILTER SOCK

NOT TO SCALE

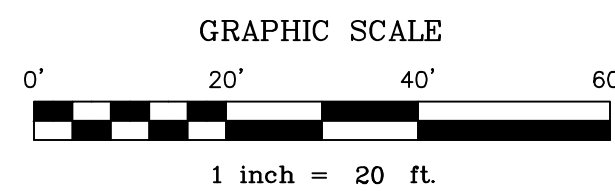
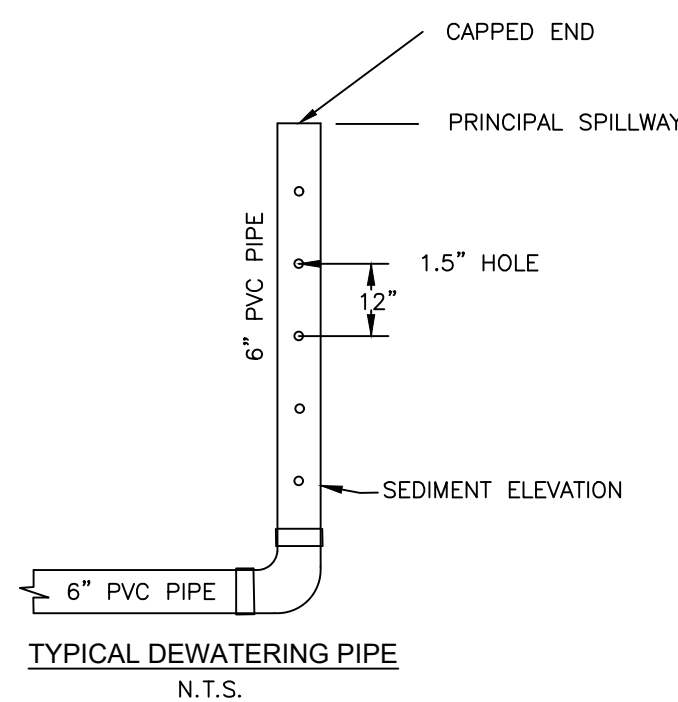
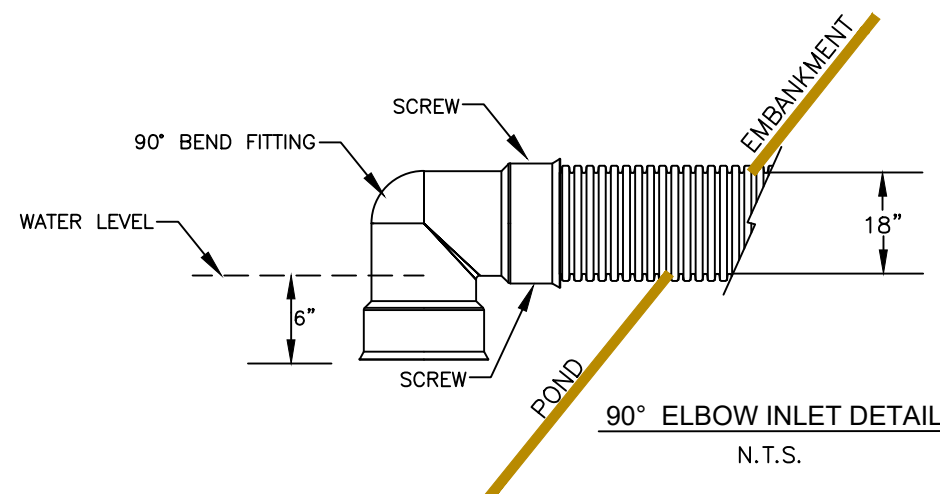
LEGEND

- STREAM BARRIER
- DWELLING BARRIER
- ELECTRIC LINE R/W
- EXISTING CONTOURS (2' INTERVAL)
- PERENNIAL STREAM
- CROP - BOTTOM OF FREEPORT SANDSTONE
- PROPOSED COLLECTION DITCH
- PROPOSED CONTOURS (2' INTERVAL)
- NPDES DISCHARGE POINT
- EXISTING TREE LINE
- EXISTING ELECTRIC LINE
- PROPERTY LINE
- PERMIT LINE
- EXISTING WETLAND



TRIBUTARY AREA: 81.7 ACRES
POND CAPACITY AT EMERGENCY SPILLWAY: 666,203 C.F.
(REQUIRED DEWATERING VOLUME: 408,500 C.F. (5,000 C.F./ACRE)
(REQUIRED SEDIMENT VOLUME: 163,400 C.F. (2,000 C.F./ACRE)
(POND CAPACITY AT SEDIMENT ELEVATION: 186,815 C.F. (2,287 C.F./ACRE)
POND CAPACITY AT PRINCIPAL SPILLWAY: 595,541 C.F.
(DEWATERING VOLUME: 432,141 C.F. (5,289 C.F./ACRE)

TOP OF POND ELEVATION: 2010.0 FEET
EMERGENCY SPILLWAY ELEVATION: 2006.9 FEET
EMERGENCY SPILLWAY WIDTH: 76 FEET
PRINCIPAL SPILLWAY ELEVATION: 2006.0 FEET
PRINCIPAL SPILLWAY SIZE: (2X) 18 INCHES
SEDIMENT CLEANOUT ELEVATION: 1999.5 FEET
BOTTOM OF POND ELEVATION: 1995.0 FEET
DEWATERING PIPE SIZE: 6 INCHES
DEWATERING PIPE PERFORMANCES: 4 HOLES/ROWS OF 1.5" DIA. @ 1 FT. SPACING FROM 1999.5 TO 2003.5



A STAKE SHALL BE PLACED NEAR THE CENTER OF THE POND WITH THE CLEAN OUT ELEVATION CLEARLY MARKED ON IT.

NO.	DATE	DESCRIPTION	BY
2	6-9-2025	REVISIONS PER 5-14-2025 DEP LETTER	CGY
1	1-31-2025	ORIGINAL LNC APPLICATION	SIP

EXHIBIT 13 - SHEET 2

SEDIMENT POND 2 DETAILS

ROCKWOOD STONE, LLC ROCKWOOD QUARRY

BLACK TOWNSHIP, SOMERSET COUNTY

SCALE: 1" = 50'

Earthtech, Inc.
966 Pleasant Hill Road, Somerset, PA 15501
Telephone: (814) 266-6402
<http://www.earthtechinc.net>

LEGEND

- 1600
BSS BSS
B B
1600
E E
E E
PERMIT LINE
- EXISTING CONTOURS (2' INTERVAL)
CROP - BOTTOM OF FREEPORT SANDSTONE
PROPOSED COLLECTION DITCH
PROPOSED EARTHEN BERM
PROPOSED CONTOURS (2' INTERVAL)
EXISTING TREE LINE
EXISTING ELECTRIC LINE
PROPERTY LINE
PERMIT LINE

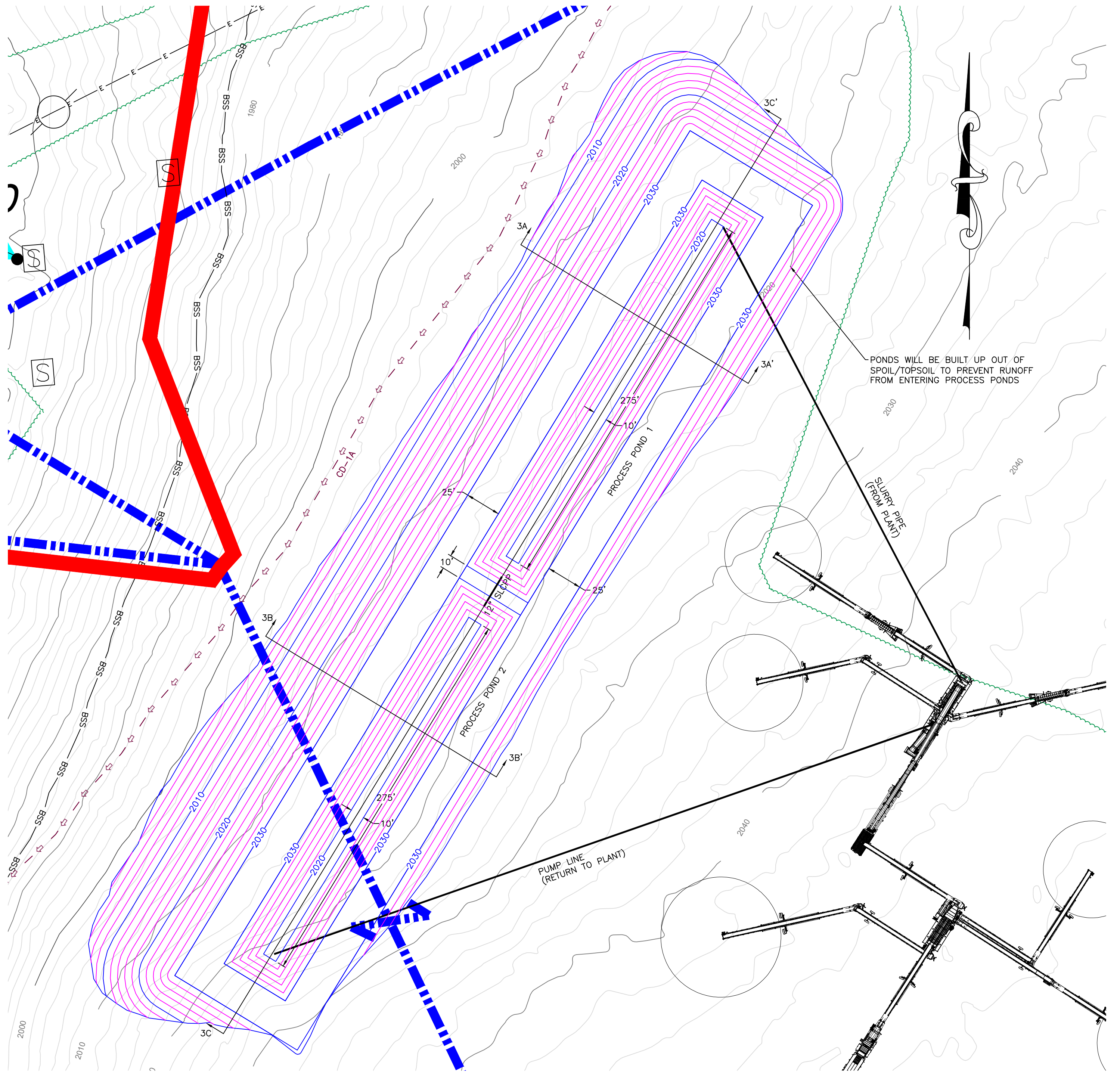
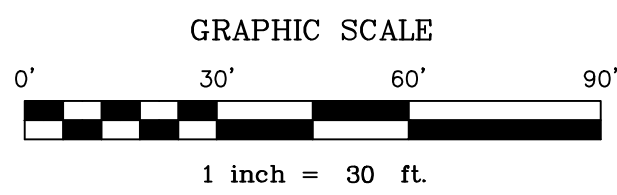
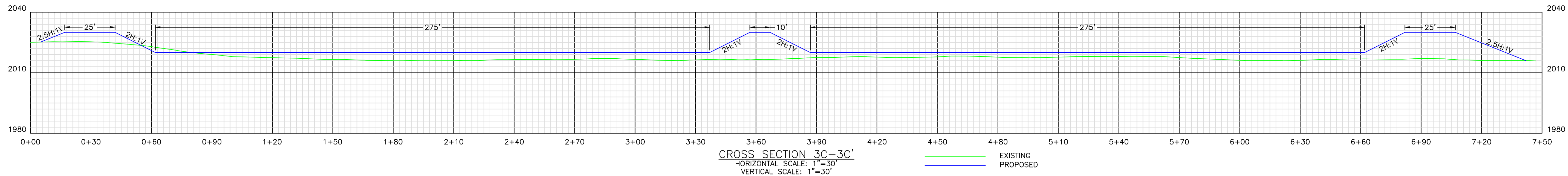
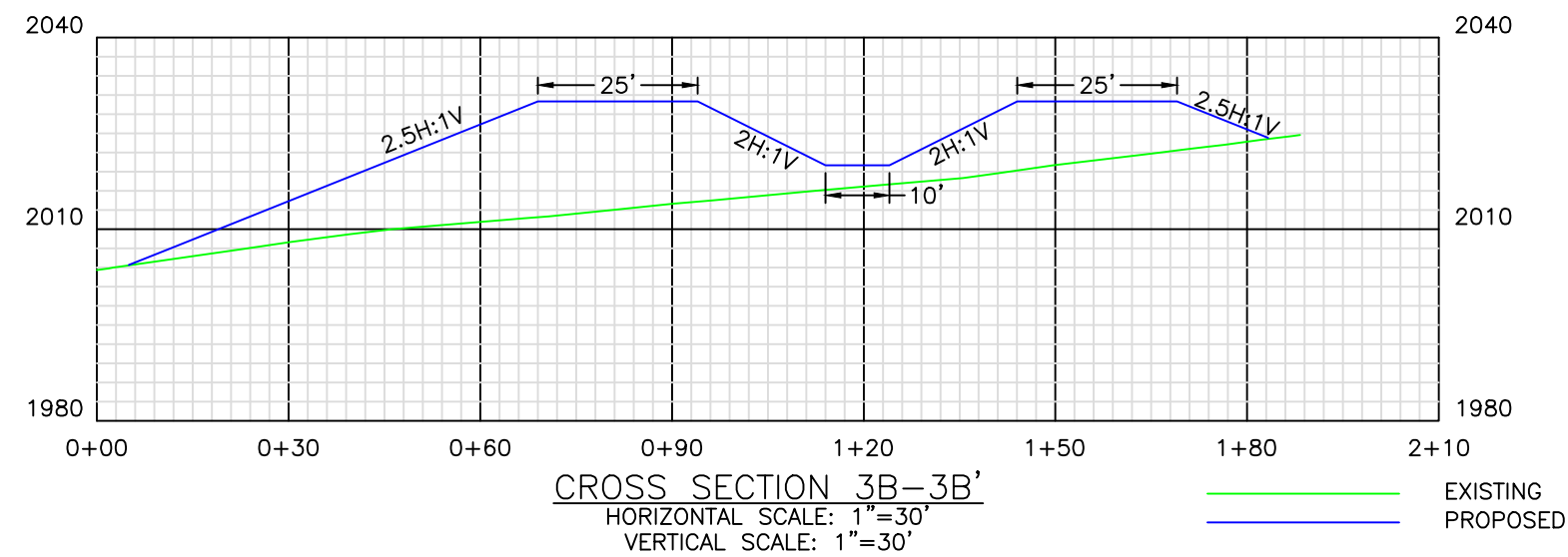
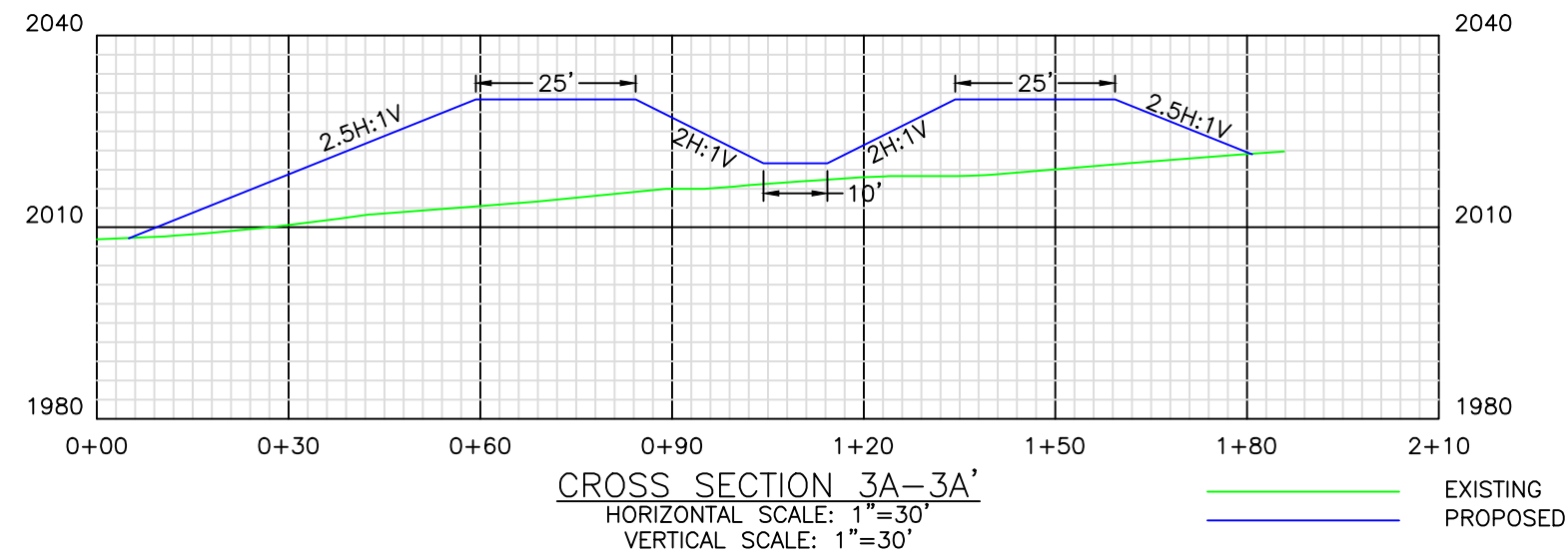
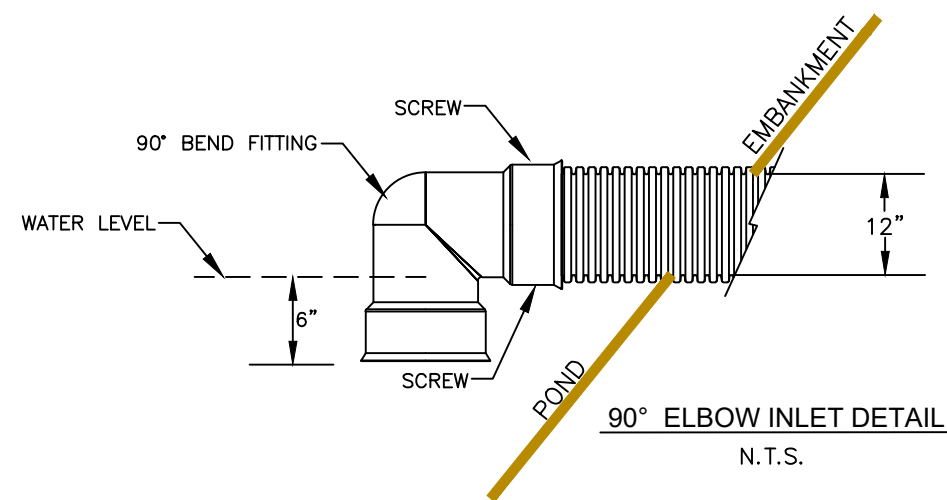
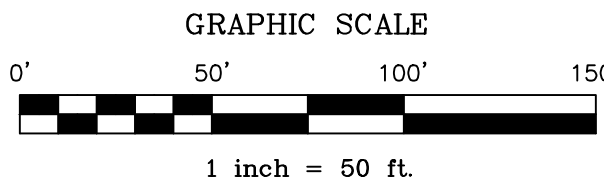


EXHIBIT 13 - SHEET 3

PROCESS PONDS 1 & 2 DETAILS
ROCKWOOD STONE, LLC
ROCKWOOD QUARRY

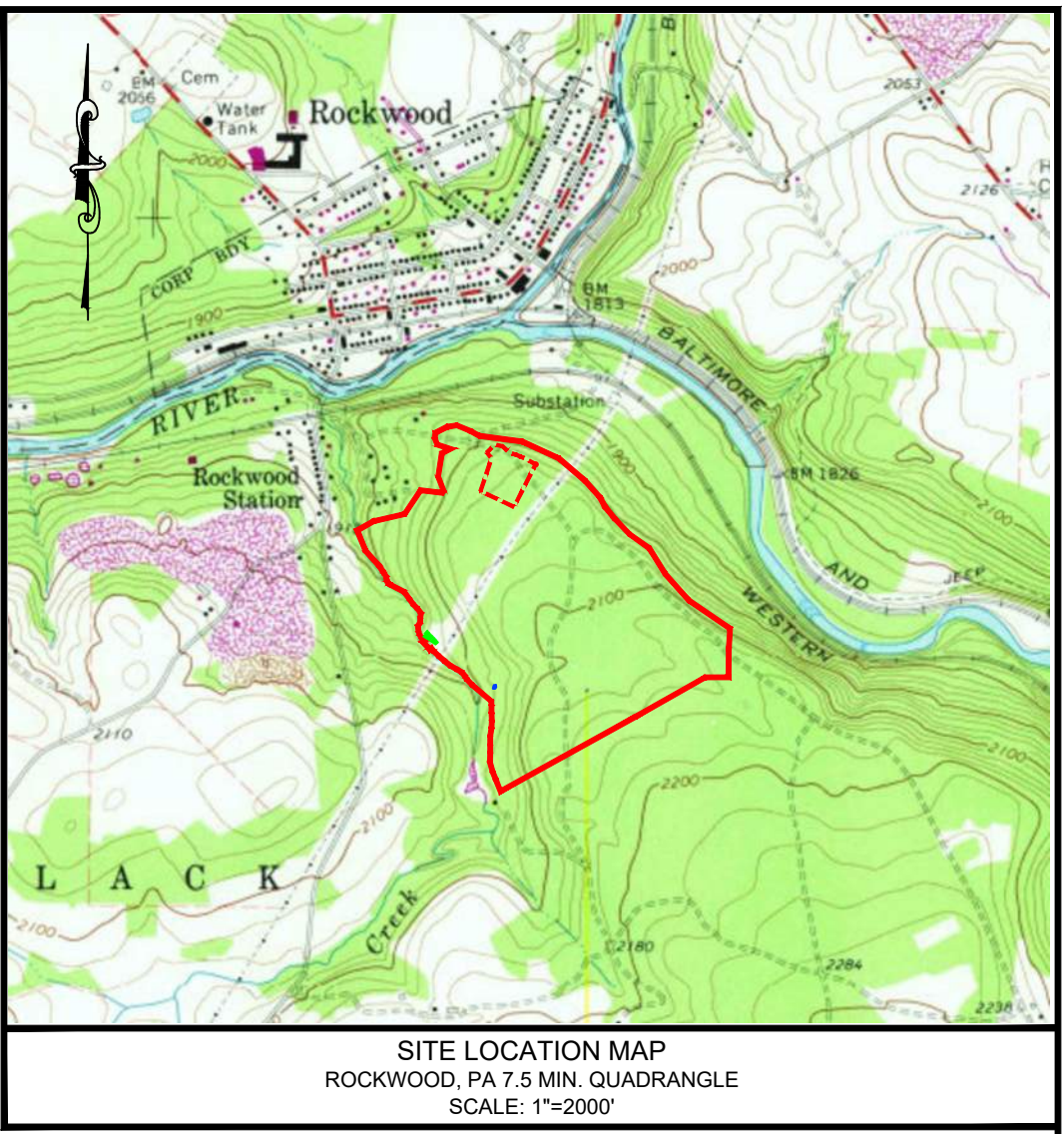
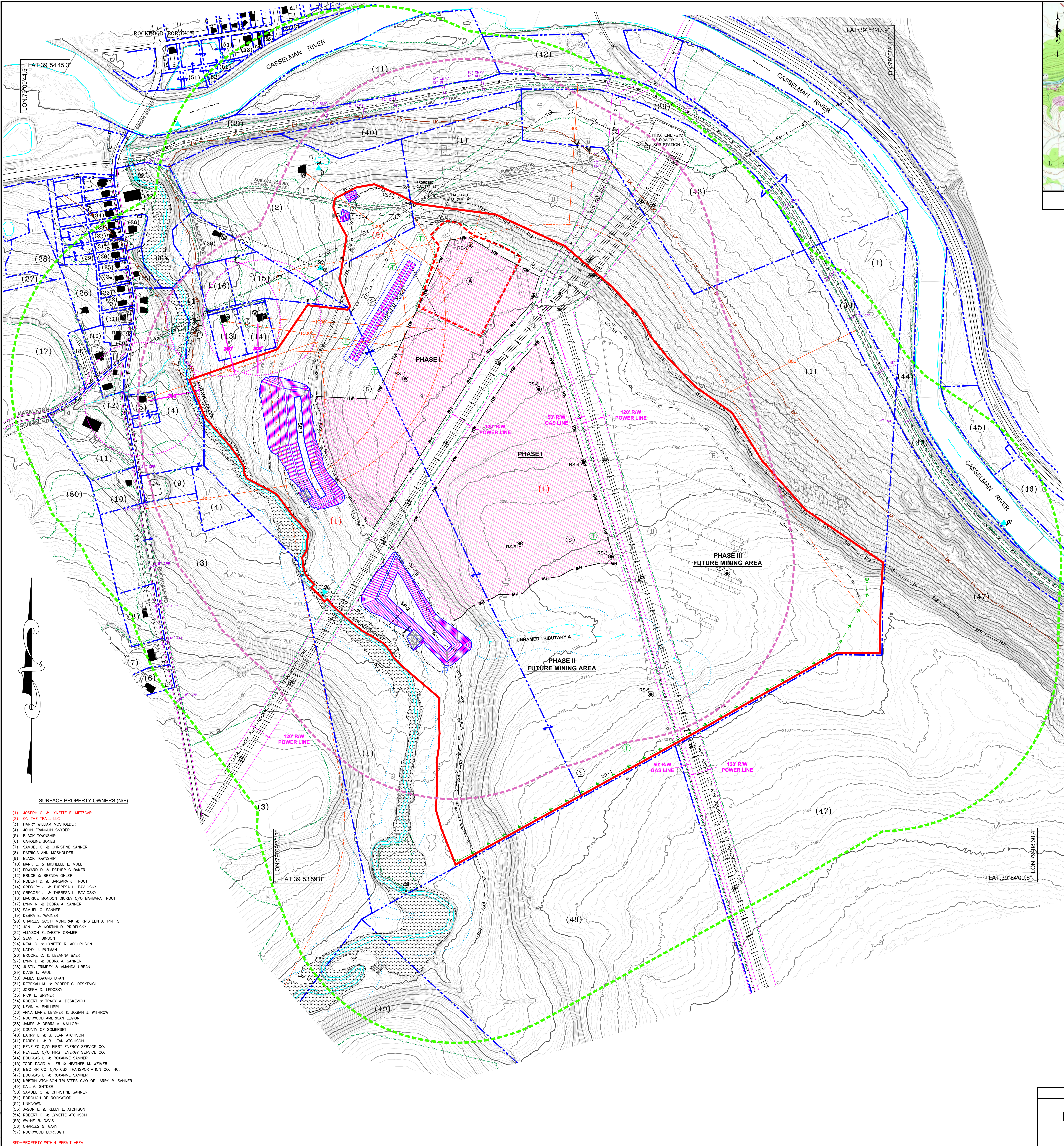
BLACK TOWNSHIP, SOMERSET COUNTY

SCALE: 1" = 50'

Earthtech, Inc.
966 Pleasant Hill Road, Somerset, PA 15501
Telephone: (814) 266-6402
<http://www.earthtechinc.net>

A STAKE SHALL BE PLACED NEAR THE CENTER OF THE POND WITH THE CLEAN OUT ELEVATION CLEARLY MARKED ON IT.

DRAWING FILE NAME: Rockwood Quarry 2024.dwg			
2	6-9-2025	REVISIONS PER 5-14-2025 DEP LETTER	CGY
1	1-31-2025	ORIGINAL LNC APPLICATION	SIP
NO.	DATE	DESCRIPTION	BY



- LEGEND**
- PERMIT LINE - 175 ACRES
 - PERMIT LINE - EXISTING
 - 1000' OFFSET LINE
 - PROPERTY LINE
 - BARRIER
 - STREAM BARRIER
 - DWELLING BARRIER
 - EXISTING CONTOURS (2' INTERVAL)
 - PERENNIAL STREAM
 - EXISTING POND
 - IMPROVED ROAD
 - UNIMPROVED ROAD
 - RIGHT OF WAY / EASEMENT LINE
 - TREE LINE
 - GASLINE
 - ELECTRIC LINE
 - WATER LINE
 - OCCUPIED BUILDING
 - UNOCCUPIED BUILDING
 - EXISTING CULVERTS
 - PROPERTY NUMBERS
 - UTILITY POLE
 - MINE ENTRY
 - DEEP MINE
 - CROP - BOTTOM OF FREEPORT
 - LOWER KITTANNING CROP
 - WATER WELL
 - SPRING HOUSE
 - PROCESS PONDS
 - SEDIMENTATION POND
 - COLLECTION DITCH
 - DIVERSION DITCH
 - ALTERNATE E&S CONTROLS
 - HIGHWALL LIMIT
 - PROPOSED CULVERTS
 - ENERGY DISSIPATER
 - FEMA FLOOD ZONE A

- BLAST LEGEND**
- BLAST AREA
 - BLAST AREA 1000 FT OFFSET
 - BLAST DISTANCE OFFSET (800 FT STATE HIGHWAY AND BIKE TRAIL)
 - BLASTING WITHIN 1000 FT OF STRUCTURES, WITHOUT A PRE-BLAST SURVEY, WILL UTILIZE A SEISMOGRAPH PER 77.562

NOTE: THE DWELLING ON PROPERTY NO. 14 IS THE NEAREST TO THE BLASTING AREA AT A DISTANCE OF APPROXIMATELY 520 FT.

NOTES:

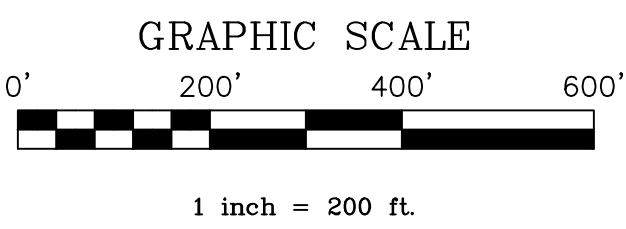
- NO KNOWN ACTIVE OIL WELLS IN OR WITHIN 1000 FEET OF THE PERMIT AREA.
- NO KNOWN PUBLIC CEMETERIES, INDIAN BURIAL GROUNDS, OR ARCHAEOLOGICAL SITES KNOWN TO PRESENT.
- NO SOLID WASTE DISPOSAL AREAS ASSOCIATED WITH THIS PROJECT.
- NO REFUSE DISPOSAL AREAS ARE EXISTING OR PROPOSED ON THIS SITE.
- SEE MODULE 17 FOR AIR POLLUTION CONTROL FACILITY DETAILS.
- NO EXPLOSIVES STORAGE AREAS EXISTING OR PROPOSED IN OR WITHIN 1000 FT. OF THE PERMIT AREA.
- THERE ARE NO INCIDENTAL COAL EXTRACTION AREAS WITHIN THE PERMIT AREA.
- NO FACILITIES FOR THE PROTECTION OR ENHANCEMENT OF FISH AND WILDLIFE SPECIES.
- SCP = SMOOTH CONCRETE PIPE, SMP = SMOOTH METAL PIPE, CMP = CORRUGATED METAL PIPE, SPP = SMOOTH PLASTIC PIPE.

- SURFACE PROPERTY OWNERS (NIP)**
- JOSEPH C. & LYNETTE E. METZGAR
 - ON THE TRAIL, LLC
 - HARRY WILLIAM MOSHOLD
 - JOHN FRANKLIN SNYDER
 - BLACK TOWNSHIP
 - CAROLINE JONES
 - SAMUEL Q. & CHRISTINE SANNER
 - PATRICIA ANN MOSHOLD
 - BLACK TOWNSHIP
 - MARK E. & MICHELLE L. MULL
 - EDWARD D. & ESTHER C. BAKER
 - BRUCE & BRENDA OHLER
 - ROBERT D. & BARBARA J. TROUT
 - GREGORY J. & THERESA L. PAWLOSKY
 - GREGORY J. & THERESA L. PAWLOSKY
 - MAURICE MONDON DICKY C/O BARBARA TROUT
 - LYNN N. & DEBRA A. SANNER
 - SAMUEL Q. SANNER
 - DEBRA E. WAGNER
 - CHARLES SCOTT MONDRAK & KRISTEN A. PRITS
 - JON J. & KORTINI D. PRIBELSKI
 - ALLISON ELIZABETH CRAMER
 - SEAN T. IBNSON II
 - NEAL C. & LYNETTE R. ADOLPHSON
 - KATHY J. PUTMAN
 - BROOKE C. & LEEANNA BAER
 - LYNN D. & DEBRA A. SANNER
 - JUSTIN TRIMPEY & AMANDA URSAN
 - DIANE L. PAUL
 - JAMES EDWARD BRANT
 - REBEKAH M. & ROBERT G. DESKEVICH
 - JOSEPH D. LEDOSKY
 - ROCK L. BRYNER
 - ROBERT & TRACY A. DESKEVICH
 - KEVIN A. PHILLIPPI
 - ANNA MARIE LEDSHER & JOSHUA J. WITHROW
 - ROCKWOOD AMERICAN LEGION
 - JAMES & DEBRA A. MALLORY
 - COUNTY OF SOMERSET
 - BARRY L. & B. JEAN ATCHISON
 - BARRY L. & B. JEAN ATCHISON
 - PENELEC C/O FIRST ENERGY SERVICE CO.
 - PENELEC C/O FIRST ENERGY SERVICE CO.
 - DOUGLAS L. & ROXANNE SANNER
 - TODD DAVID MILLER & HEATHER M. WEIMER
 - BAO RR CO. C/O CSX TRANSPORTATION CO. INC.
 - DOUGLAS L. & ROXANNE SANNER
 - KRISTIN ATCHISON TRUSTEES C/O OF LARRY R. SANNER
 - GAIL A. SNYDER
 - SAMUEL Q. & CHRISTINE SANNER
 - BOROUGH OF ROCKWOOD
 - UNKNOWN
 - JASON L. & KELLY L. ATCHISON
 - ROBERT C. & LYNETTE ATCHISON
 - WAYNE R. DAVIS
 - CHARLES G. GARY
 - ROCKWOOD BOROUGH

NOTE: THIS EXHIBIT WAS PREPARED IN ACCORDANCE WITH ACCEPTED ENGINEERING, GEOLOGY, AND SURVEYING PRACTICES. THE FEATURES WITHIN 1000' OF THE PERMIT AREA WERE PREPARED WITH THE AID OF USGS MAPS, AERIAL PHOTOGRAPHY, FIELD OBSERVATION, AND COUNTY TAX RECORDS. THE FEATURES OUTSIDE OF THE 1000' PERMIT AREA WERE PREPARED FOR INFORMATIONAL PURPOSES ONLY AND THEIR ACCURACY IS NEITHER STATED NOR IMPLIED TO BE OTHER THAN GENERAL INFORMATION. PROPERTY LINES DO NOT REPRESENT ACTUAL PROPERTY SURVEYS.

UTILITY LOCATIONS ARE DEPICTED THROUGH FIELD RECONNAISSANCE AND MAY NOT REPRESENT ACTUAL OR SURVEYED LOCATIONS. PRIOR TO ANY MINING OR OCCUPATION THE OPERATOR IS REQUIRED TO NOTIFY THE PA ONE CALL SYSTEM, INC. (DIAL 811 OR 1-800-242-1786) TO HAVE ALL UTILITY LINES LOCATED.

THE LOCATION AND EXTENT OF ABANDONED UNDERGROUND MINE WORKINGS SHOWN ON THIS DRAWING ARE BASED UPON AVAILABLE DATA WITHOUT THE BENEFIT OF A FINAL CERTIFIED MINE MAP. ACCORDINGLY, NEITHER EARTHTECH, INC. NOR THE PROFESSIONAL ENGINEER SEALING THESE MAPS CERTIFIES, WARRANTS, OR GUARANTEES THE PRECISE LOCATION OR EXTENT OF ABANDONED MINE WORKINGS DEPICTED HEREON. UNKNOWN OR UNMAPPED MINES MAY EXTEND BEYOND THE DEPICTED BOUNDARIES AND MAY CONTAIN SAFETY HAZARDS.



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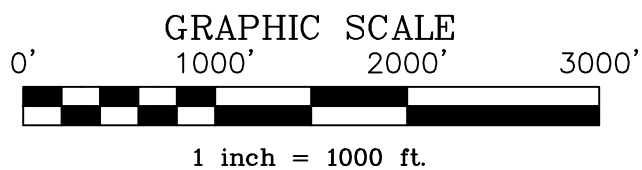
EXHIBIT 16.17 - BLAST PLAN MAP

ROCKWOOD STONE, LLC
ROCKWOOD QUARRY
BLACK TOWNSHIP, SOMERSET COUNTY, PA.

SCALE: 1" = 200'



Z:\Mining\Rockwood Stone, LLC\Dwgs&Data\Rockwood Quarry 2024.dwg, Exh 21.1b, 6/6/2025 1:41:18 PM, cyoder, DWG To PDF.pc3



LEGEND



PERMIT AREA
EXISTING PERMIT #56190801
SOIL TYPE BOUNDARY
SOIL TYPE LABEL

EXHIBIT 21.1b: SOILS MAP

**ROCKWOOD STONE, LLC
ROCKWOOD QUARRY**

BLACK TOWNSHIP, SOMERSET COUNTY, PA

FILE NAME:
Rockwood Quarry 2024.dwg

SCALE:
1" = 1000'

DATE:
06-09-2025

DWN. BY:
SIP

CHK. BY:
RDS



Earthtech, Inc.

966 Pleasant Hill Road, Somerset, PA 15501
Telephone: (814) 266-6402
www.earthtechinc.net