

# ABANDONED MINE DRAINAGE REMEDIATION PROJECT FOR THE OTTO DISCHARGE SCHUYLKILL HEADWATERS ASSOCIATION, INC. LOCATED IN

REILLY TOWNSHIP, SCHUYLKILL COUNTY, PA

### ACT 187 UNDERGROUND UTILITY PROTECTION ACT

RETTEW ASSOCIATES, INC. HEREBY STATES THAT, PURSUANT TO THE PROVISIONS OF ACT NO. 287 OF 1974, AS AMENDED BY ACT 187 OF 1996, OF THE PENNSYLVANIA LEGISLATURE, IT HAS PERFORMED THE FOLLOWING IN PREPARING THESE DRAWINGS REQUIRING EXCAVATION OR DEMOLITION WORK AT SITES WITHIN THE POLITICAL SUBDIVISION(S) SHOWN ON THE DRAWINGS:

- PURSUANT TO SECTION 4, CLAUSE (2) OF SAID ACT, RETTEW ASSOCIATES, INC. REQUESTED FROM EACH USER'S OFFICE DESIGNATED ON SUCH LIST PROVIDED BY THE ONE CALL SYSTEM NOTIFICATION, THE INFORMATION PRESCRIBED BY SECTION 2, CLAUSE (4) OF SAID ACT, NOT LESS THAN (10) NOR MORE THAN (60) WORKING DAYS BEFORE FINAL DESIGN IS TO BE COMPLETED.
- PURSUANT TO SECTION 4, CLAUSE (5) OF SAID ACT, RETTEW ASSOCIATES, INC. HAS MET THEIR OBLIGATIONS OF CLAUSE (2) BY CALLING THE ONE CALL SYSTEM SERVING THE LOCATION WHERE EXCAVATION IS TO BE PERFORMED.
- PURSUANT TO SECTION 4, CLAUSE (3) OF SAID ACT, RETTEW ASSOCIATES, INC. HAS SHOWN UPON THESE DRAWINGS "THE POSITION AND TYPE OF EACH LINE, AS DERIVED PURSUANT TO THE REQUEST MADE AS REQUIRED BY CLAUSE (2), THE SERIAL NUMBER PROVIDED BY THE ONE CALL SYSTEM, THE TOLL-FREE ONE CALL SYSTEM PHONE NUMBER, AND THE NAME OF THE USER, THE USER'S DESIGNATED OFFICE ADDRESS AND PHONE NUMBER AS SHOWN ON THE LIST REFERRED TO IN SECTION 4, CLAUSE (5) OF SAID ACT."

AND RETTEW ASSOCIATES, INC. DOES NOT MAKE ANY REPRESENTATION, WARRANTY, ASSURANCE OR GUARANTEE THAT THE INFORMATION RECEIVED PURSUANT TO SAID REQUEST AND AS REFLECTED ON THESE DRAWINGS IS CORRECT OR ACCURATE, BUT RETTEW ASSOCIATES, INC. IS REFLECTING SAID INFORMATION ON THESE DRAWINGS ONLY DUE TO THE REQUIREMENTS OF THE SAID ACT NO. 187 OF DECEMBER 19, 1996.

ONE CALL SYSTEM SERIAL NO. NOTIFICATION BY RETTEW ASSOCIATES, INC.  
DATE: 12/07/04

ONE CALL SYSTEM SERIAL NUMBER: 3425921

**PA1**  
SYSTEM, INC.  
1-800-242-1776

**CALL BEFORE YOU DIG!**  
PENNSYLVANIA LAW REQUIRES  
(3) WORKING DAYS NOTICE FOR  
CONSTRUCTION PHASE AND (10) WORKING  
DAYS IN DESIGN STAGE - STOP CALL

### UTILITIES RESPONDED:

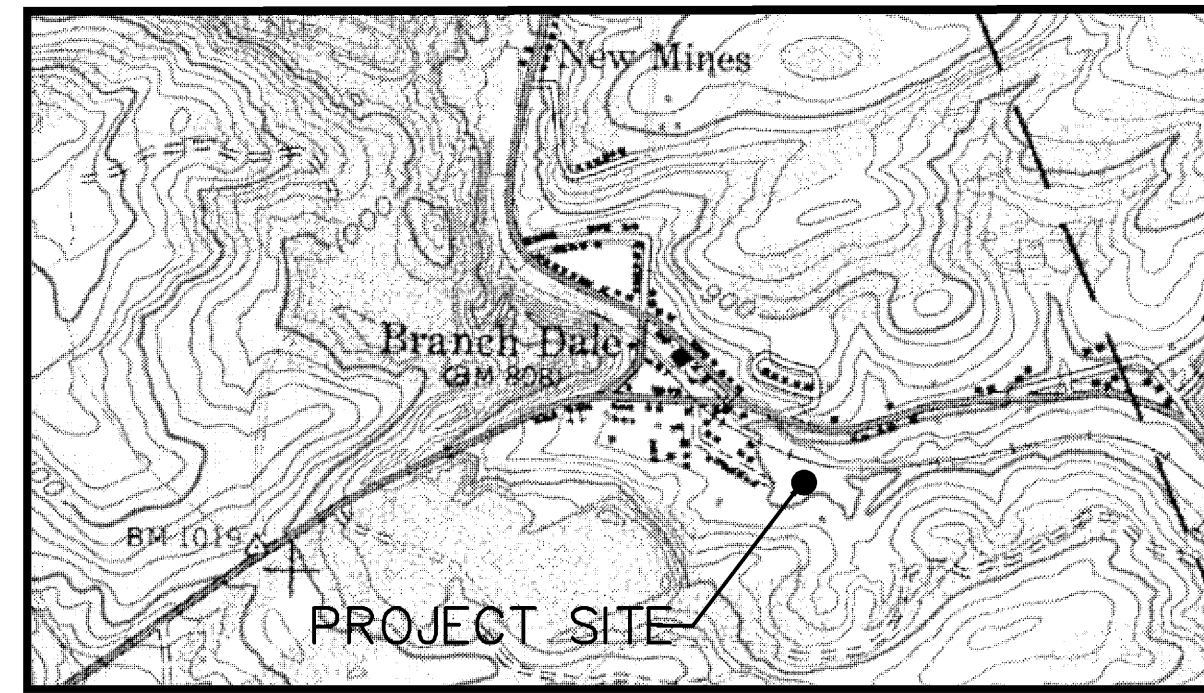
BLYTHE TOWNSHIP MUNICIPAL AUTHORITY  
375 VALLEY STREET  
NEW PHILADELPHIA, PA 17959-1218  
CONTACT: MICHAEL E. BURDA

PPL ELECTRIC UTILITIES CORPORATION  
1801 BROOKWOOD STREET  
HARRISBURG, PA 17104-2222  
CONTACT: RICHARD MUZA

VERIZON PENNSYLVANIA INC.  
STRAWBERRY SQUARE 11TH FLOOR  
HARRISBURG, PA 17101  
CONTACT: SHERRY MHOF

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**LOCATION MAP**  
SCALE: 1"=1000'



**SITE MAP**  
APPROXIMATE SCALE: 1"=150'

### GENERAL NOTES

- BENCHMARK - TRAVERSE POINT #8 LOCATED APPROXIMATELY 12' WEST OF THE 30' C.I.P. ELEVATION: 790.28', DATUM: NAVD 88.
- ALL EXISTING UTILITIES HAVE BEEN SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION.
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL ABOVE GROUND AND BELOW GROUND UTILITIES AND STRUCTURES AND WILL BE RESPONSIBLE FOR THE PROTECTION OF THESE UTILITIES AND STRUCTURES AT ALL TIMES.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE AND ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY AND COMPLETELY AT HIS EXPENSE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF LANDSCAPE DAMAGED OR DESTROYED AS A RESULT OF HIS WORK.
- THE PLAN LOCATIONS AND DIMENSIONS SHALL BE STRICTLY ADHERED TO UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PLAN CHANGES, SHOULD THEY BE REQUIRED, ARE SUBJECT TO MUNICIPAL AND COUNTY ORDINANCES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A COPY OF ALL PERMITS RELATED TO THE CONSTRUCTION SHOWN ON THESE PLANS ON THE JOB SITE AT ALL TIMES.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE PROJECT SITE PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY ALL UTILITIES REQUIRED PER ACT 187 FOR VERIFICATION AND LOCATION OF UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL JOB SITE SAFETY, ALL TRAFFIC CONTROL, TRENCH BARRICADING, COVERING, SHEETING AND SHORING.
- ALL BERMS AND IMPOUNDMENTS SHALL BE CONSTRUCTED IN 6" LIFTS AND COMPACTED TO 98% PROCTOR DENSITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ACCESS TO THE SITE WITH REILLY TOWNSHIP AND THE BLASCHAK COAL CORP.
- THE LIMESTONE AGGREGATE SHALL CONTAIN NOT LESS THAN NINETY PERCENT (90%) CALCIUM CARBONATE CONTENT, NOT MORE THAN FIVE PERCENT (5%) MAGNESIUM OXIDE (MgO), AND MORE THAN FIVE PERCENT (5%) IRON OXIDE (Fe2O3). A SAMPLE OF THE LIMESTONE MUST BE TESTED BY A THIRD PARTY LABORATORY AND THE RESULTS MUST BE SUBMITTED FOR REVIEW PRIOR TO PLACEMENT OF ANY LIMESTONE. ALL LIMESTONE AGGREGATE USED ON SITE SHALL MEET SPECIFICATIONS SET FORTH IN PENNDOT PUBLICATION 40B. CERTIFICATION WILL BE REQUIRED FOR QUALITY AND CLASSIFICATION OF ALL AGGREGATE USED ON SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL FOR ALL UNUTILIZED MATERIAL ON THE SITE.
- THE CONTRACTOR SHALL COORDINATE WITH THE PROPER ENTITIES CONCERNING THE REMOVAL OF ANY COAL DIRT THAT MAY BE ON-SITE. ANY COAL DIRT FOUND ON SITE MAY NOT BE UTILIZED IN THE CONSTRUCTION OF THE TREATMENT SYSTEM. THIS PRODUCT MUST BE STORED IN AN ACCESSIBLE AREA ON THE SITE.
- ALL CLAY MATERIAL SHALL BE COMPACTED TO ELIMINATE SEEPAGE.
- MATERIAL FOR CONSTRUCTION OF BERMS SHALL BE CLEAN FILL, FREE OF ORGANIC MATERIAL AND STONES IN EXCESS OF 8" IN DIAMETER.
- WETLAND PLANTING SHALL BE THE RESPONSIBILITY OF THE SCHUYLKILL HEADWATERS ASSOCIATION. ALL OTHER PLANTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- TRACKED EQUIPMENT SHALL BE ALLOWED ON-SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGE CAUSED BY SUCH EQUIPMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING REILLY TOWNSHIP, BLASCHAK COAL CORP., THE SCHUYLKILL HEADWATERS ASSOCIATION, INC., RETTEW ASSOCIATES, INC. AND THE SCHUYLKILL CONSERVATION DISTRICT TEN (10) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
- THE PLAN LOCATIONS AND DIMENSIONS SHALL BE STRICTLY ADHERED TO UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PLAN CHANGES, SHOULD THEY BE REQUIRED, ARE SUBJECT TO MUNICIPAL AND COUNTY ORDINANCES.

LEGEND:	EXISTING	PROPOSED
UTILITY LINE/POLE		
GAS LINE/GATE VALVE & BOX		
WATER LINE/HYD./VALVE		
SEWER LINE/MANHOLE		
LOW PRESSURE SEWER/FORCE MAIN		
STORM LINE/INLET/ENDWALL		
CONTOUR		
ADJOINERS/PROPERTY LINE		
UNDERGROUND ELECTRICAL		
OVERHEAD ELECTRICAL		
EASEMENT LINE		
RIGHT-OF-WAY LINE		
BOUNDARY LINE		
CENTERLINE		
EDGE OF PAVEMENT		
DRIVEWAY		
SILT FENCE		
FENCE		
WOODS LINE		
GUY WIRE		
TREE		
SHRUB		
MAIL BOX		
SIGN		

NO.	DATE	REVISION
2	12/16/04	REVISED PROPOSED SITE ELEVATIONS
1	7/6/04	REVISED PLAN SCHEME

FOR RETTEW ASSOCIATES BY:

FIELDBOOK NO. \_\_\_\_\_  
DATA COLLECTOR \_\_\_\_\_  
SURV. CHIEF: CLAYTON BUBECK, P.E.  
R. ORNER  
DRAWN BY: TR/MUS  
CHKD BY: CEB/PJD  
DESIGN BY: CEB/PJD  
DRAWING REFERENCE: N:\02\024234-01\CADD (21) (Rev)\Drawing\024234\01-Cover.dwg  
XREFS: 02423401-Base [A, 02423401\02423401\CADD\02423401-Base.dwg]

CLIENT:  
SCHUYLKILL HEADWATERS ASSOCIATION, INC.  
P.O. BOX 138  
POTTSVILLE, PA 17901  
(570) 385-2122

SCALE: NO SCALE

**RETTEW ASSOCIATES, INC.**  
3920 Columbus Ave., Lancaster, PA 17603  
Phone (717) 394-3721 • Fax (717) 394-1063  
Email: rettew@rettew.com  
Website: www.rettew.com  
Baltimore, PA • Comp Hill, PA • Pottsville, PA • York, PA  
Engineers • Planners • Scientists • Landscape Architects • Surveyors

ABANDONED MINE DRAINAGE REMEDIATION PROJECT FOR THE OTTO DISCHARGE  
**SCHUYLKILL HEADWATERS ASSOCIATION, INC.**  
COVER SHEET  
REILLY TOWNSHIP SCHUYLKILL COUNTY, PA

DATE: MAY 22, 2003  
SHEET NO. 1 OF 7  
DWG. NO. 02-04234-001