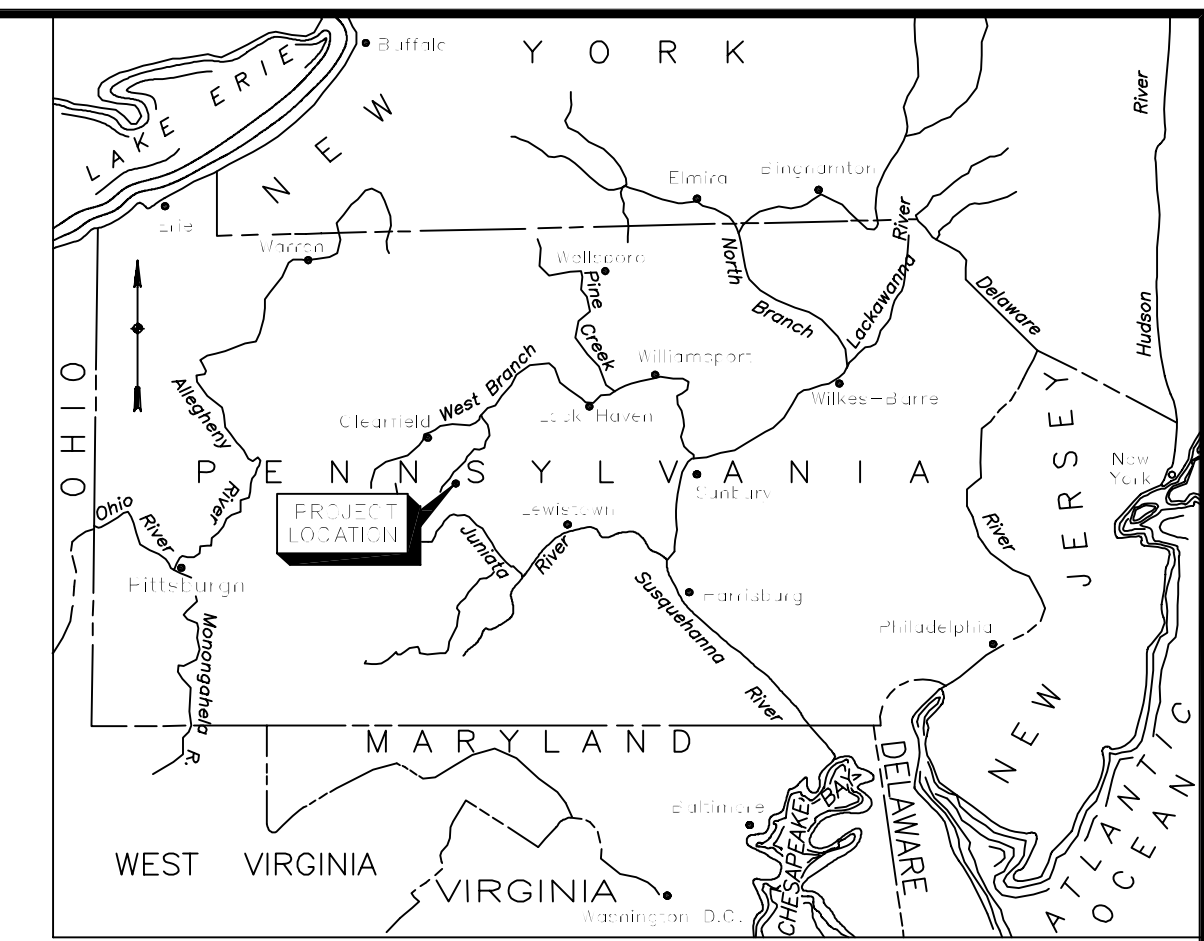


PA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF DISTRICT MINING OPERATIONS MOSHANNON DISTRICT OFFICE

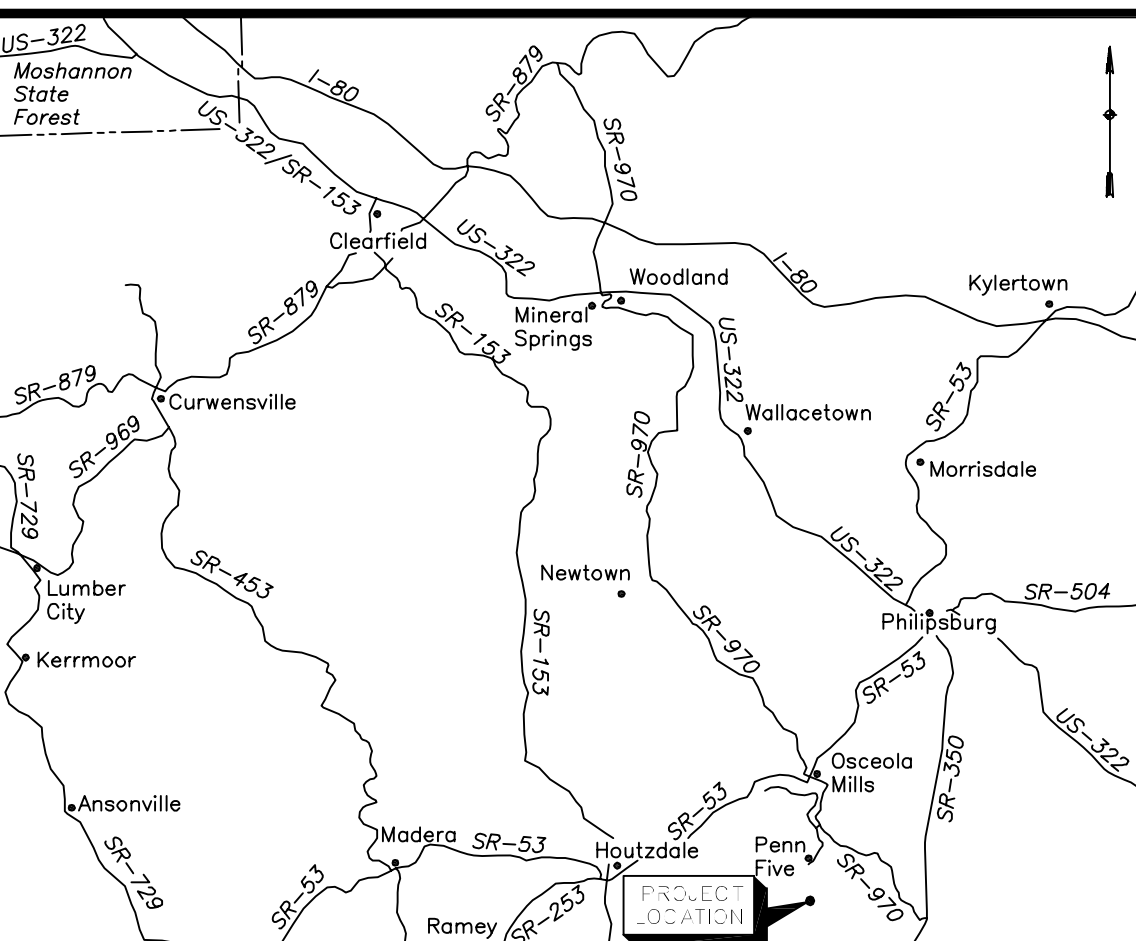
DUGAN #2

PASSIVE TREATMENT SYSTEM

RUSH TOWNSHIP, CENTRE COUNTY, PENNSYLVANIA



LOCATION MAP
SCALE - FEET MILES

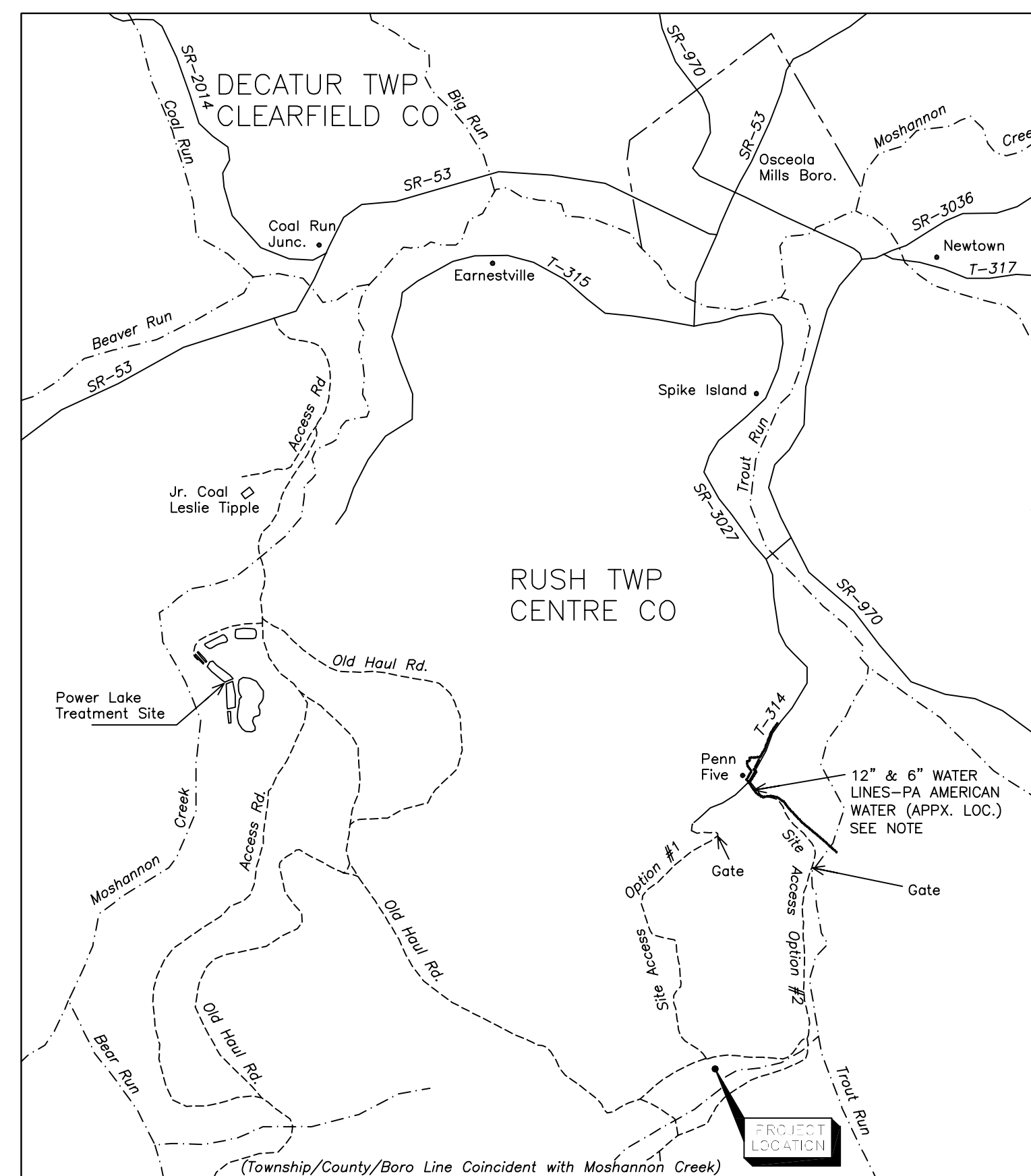


VICINITY MAP
SCALE - FEET MILES

DRAWING INDEX	
TITLE	SHEET NO.
COVER SHEET - LOCATION MAPS, DRAWING INDEX & ABBREVIATION KEY	1
SITE PLAN - PLAN VIEW, LEGEND & NOTES	2
SECTIONS - CROSS SECTIONS	3
DETAILS - DETAILS, TYPICALS & SCHEMATICS	4
DETAILS - DETAILS & TYPICALS	5
TEST PITS - TEST PIT MATERIAL DESCRIPTIONS	6

ABBREVIATIONS:

- ALD - ANOXIC LIMESTONE DRAIN
- AVG - AVERAGE
- APPX - APPROXIMATE
- BORO - BOROUGH
- BOT - BOTTOM
- ELEV - ELEVATION
- EQUIV - EQUIVALENT
- EX - EXISTING
- HS - HORIZONTAL SCALE
- INV - INVERT
- I - INTERSTATE
- ID - INSIDE DIAMETER
- JUNC - JUNCTION
- LOC - LOCATION
- MAX - MAXIMUM
- MIN - MINIMUM
- NTS - NOT TO SCALE
- OD - OUTSIDE DIAMETER
- OZ - OUNCES
- PA DOT - PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
- PERF - PERFORATED
- PERM - PERMANENT
- PROP - PROPOSED
- PVC - POLYVINYL CHLORIDE
- RD - ROAD
- RECPS - ROLLED EROSION CONTROL PRODUCTS
- SCH - SCHEDULE
- SEG - SEGMENT
- SF - SQUARE FEET
- WL - WETLAND
- SCH - SCHEDULE
- STD - STANDARD
- SR - STATE ROUTE
- T - TOWNSHIP ROAD
- TEMP - TEMPORARY
- TYP - TYPICAL
- US - UNITED STATES ROUTE
- V - VERY
- VFP - VERTICAL FLOW POND
- VS - VERTICAL SCALE
- WE - WATER ELEVATION



SITE OVERVIEW MAP

SCALE - FEET MILES

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

PA1 SYSTEM, INC. POCS SERIAL NUMBER
1-800-242-1776 0496213

NOTE:
WATER LINES CROSSING T-314 AND SITE ACCESS OPTION
#2 OWNED BY PENNSYLVANIA AMERICAN WATER
CONTACT: GARY KEPHART
PHONE (814) 342-0995 FAX (814) 342-0423
1912 TYRONE PIKE, PO BOX 707, PHILIPSBURG, PA 16866
(MAP PROVIDED IN TECHNICAL SPECIFICATIONS)

SHEET 1 of 6	Cover Sheet
Location Maps, Drawing Index, & Abbreviation Key	
PENNSYLVANIA DEPARTMENT of ENVIRONMENTAL PROTECTION DUGAN #2 PASSIVE TREATMENT SYSTEM SMP# 14663003	
TROUT RUN SUBWATERSHED, MOSHANNON CREEK WATERSHED RUSH TOWNSHIP, CENTRE COUNTY, PA December 2008	
BioMost, Inc. Mining and Reclamation Services Mars, PA www.biomost.com	