

Legend

- Existing Contour 5' interval
- Existing Contour 1' interval
- Treeline
- Edge of Water or Stream
- Spot Elevation
- Dirt Road
- Proposed Contour 5' interval
- Proposed Contour 1' interval
- Contractor's Work Area
- Limit of Grading
- Proposed Pipe
- Proposed Channel
- Proposed Temporary Diversion Channel
- Rock Lining
- Gate Valve
- Monitoring Points

NO.	DATE	REVISION	APPR.

SUBMITTED

PROJECT DESIGNER

RECOMMENDED

DESIGN SECTION CHIEF-CAMBRIA OFFICE

APPROVED

ENVIRONMENTAL PROGRAM MANAGER-CAMBRIA OFFICE

Samples will be collected at the 5 following monitoring points (MP)

Point #1 (MP1) Seep discharge into collection pond

Point #2 (MP2) End of collection pond

Point #3 (MP3) End of Wetlands/Pipe discharge

Point #4 (MP4) Treatment pond discharge into settling pond

Point #5 (MP5) Settling pond discharge into White Lake

Flow Measurements:

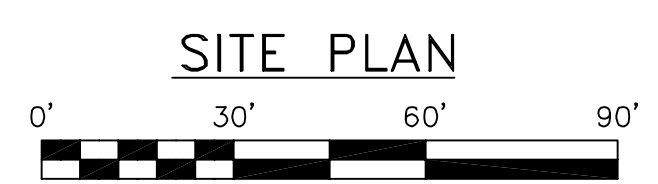
Flow depths should be measured when the water samples are collected at the sediment/flushing pond flow control structure outlet prior to flushing of the system.

FLUSHING SEQUENCE

By using the valve wrench, open the two valves for the top tier treatment pipes simultaneously; these valves are located in the embankment along the treatment ponds. As soon as these valves are open, the water will flush out into sediment/flushing pond. Because of the high aluminum content of the discharge, the flush water will look milky white. Once the plume of milky water nears the outlet structure install two stoplogs in the outlet structure. Allow the water to flow until the flush water has cleared. Once the flush water has cleared, close the valves. Use the same procedure for the lower tier pipes when appropriate. Separate gate valves are provided for the bottom tier of the treatment system. These gate valves have been located as shown on the as-built drawings and are marked along the embankment in the field.

Note: It will be necessary to return the water level in the sediment/flushing pond to its original level prior to flushing. After the flushing procedure, wait a few days then remove one or two stoplogs or rearrange them to help lower the water level in this pond.

ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY CONTRACTOR AT THE SITE.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CONTRACT NO. AMD 03(0743)102.1

ACID MINE DRAINAGE ABATEMENT PROJECT

NUMINE

Cowanshannock Township Armstrong County

MONITORING POINTS

DRAWN BY: MMK DATE: May 03, 2005 DRAWING NO: 1 OF 1
 CHECKED BY: MMK
 ACAD DRAWING NO. SCALE: 1"=30'
 MONITORING POINTS