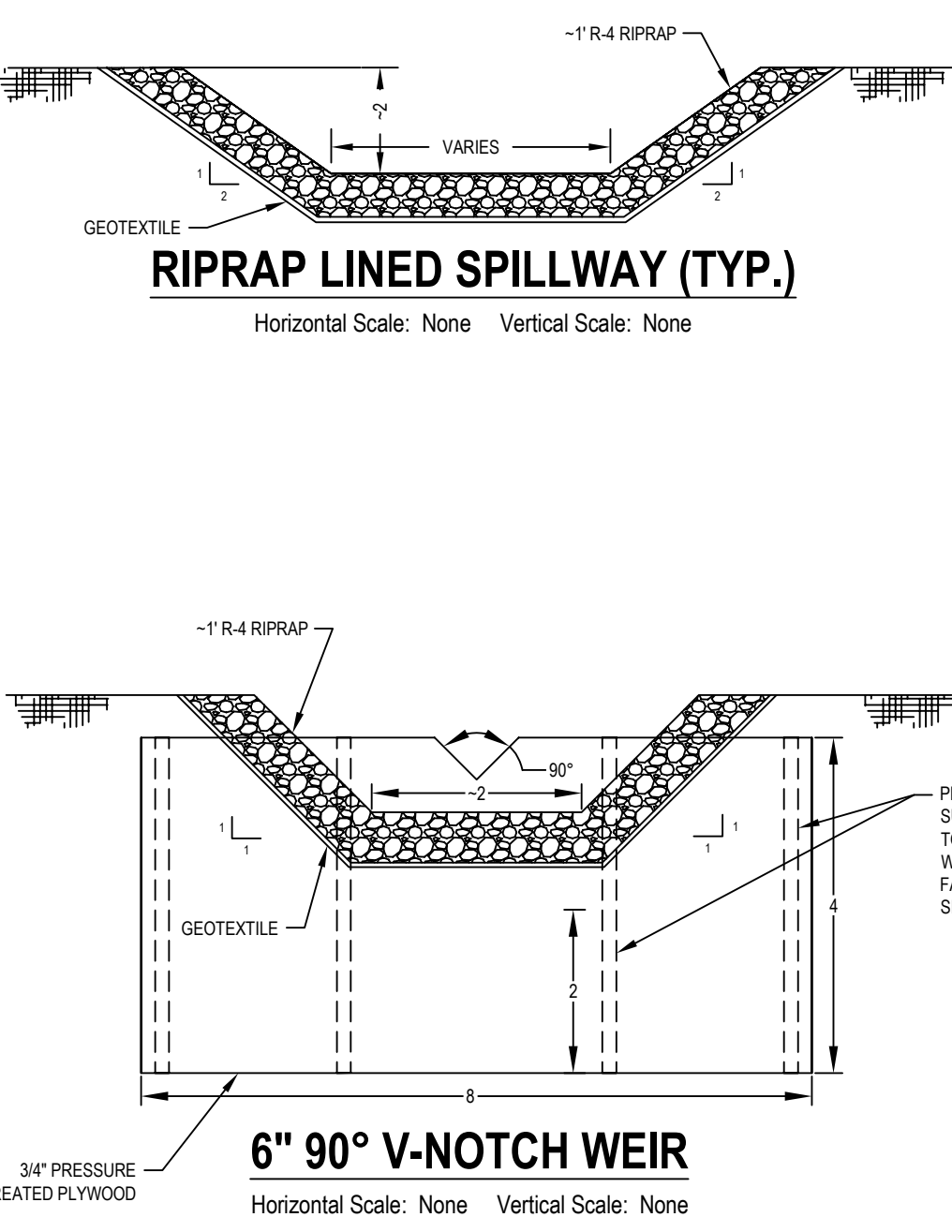
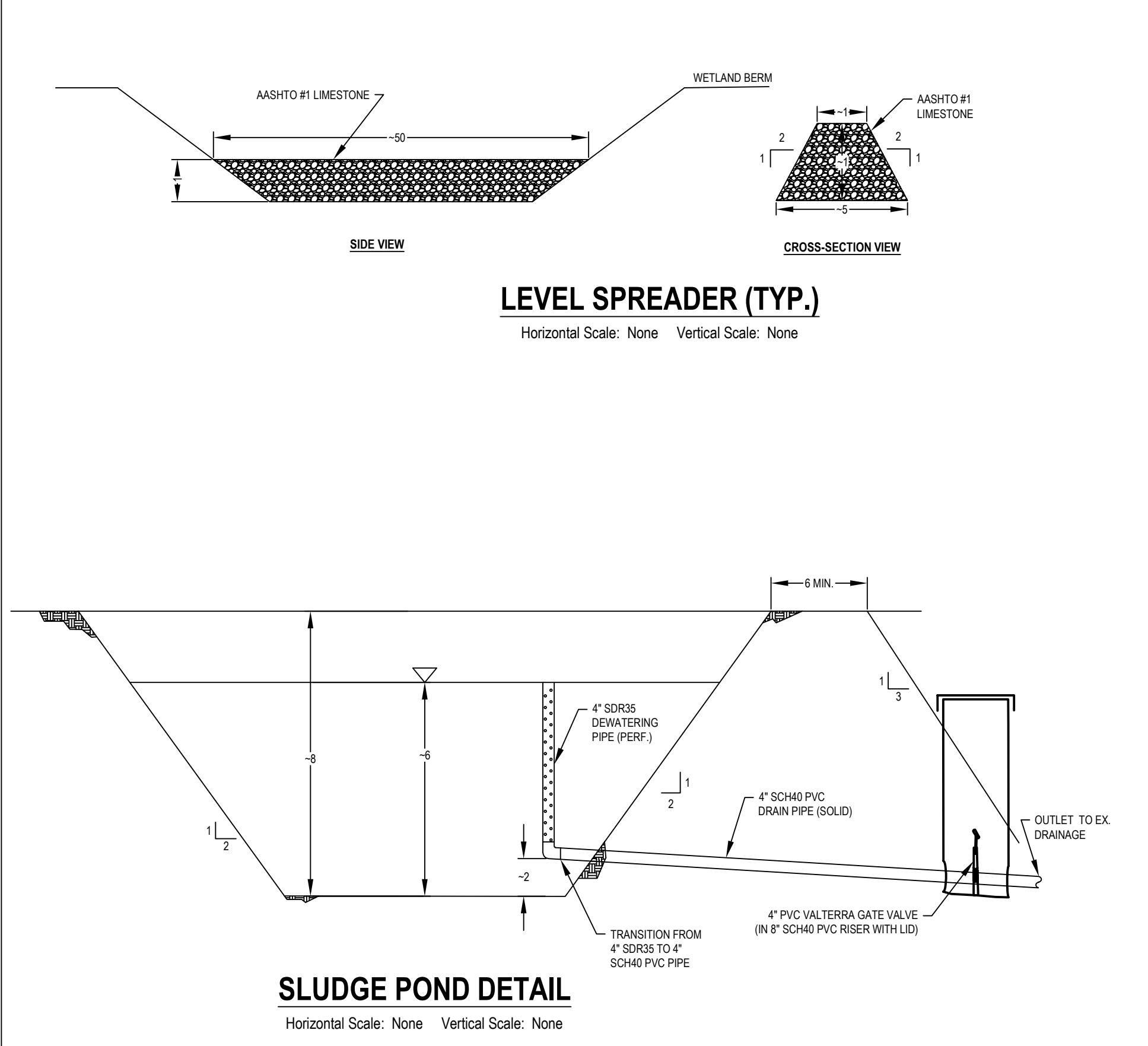


| AS-BUILT PASSIVE TREATMENT SYSTEM |                |            |            | BUILT              |
|-----------------------------------|----------------|------------|------------|--------------------|
| COMPONENT                         | VOLUME (APPX.) | BOT. ELEV. | BERM ELEV. | SPILLWAY ELEV.     |
| COLLECTION POND                   | 200 CY         | 1195.5     | 1200.0     | 1197.9 (WEIR INV.) |
| WETLAND                           | 205 CY         | 1192.6     | 1197.0     | 1193.2             |
| SETTLING POND                     | 170 CY         | 1190.0     | 1193.0     | 1191.4             |

Volumes in table above are representations of maximum capacity to spillway elevations. All elevations were used from GPS survey of 11/14/2022.

- GENERAL NOTES**
1. Base map contours derived from a 2006 bare-earth digital elevation model constructed from PAMAP LIDAR elevation points by PA DCNR, Bureau of Topographic and Geologic Survey [PA State Plane - South (US Survey Foot) NAD83 (Vertical datum - NAVD83)]. Select topographic and cultural features from 2006 PAMAP aerial photos obtained from www.pasda.psu.edu.
  2. All dimensions are in feet unless otherwise noted. All slope designations are H:V.
  3. The entirety of the project is located within Moraine State Park.
  4. All As-Built topographic lines are based on GPS points by BioMost Inc., Inc. using a Sub-Centimeter Grade, dual frequency JAVAD GPS unit. (Nov. 2022)
  5. This As-Built drawing is a reasonable representation of the system as constructed, field verification of actual conditions is recommended.
  6. Depression contours are denoted by dashed intermediate or index contour lines.
  7. Max sludge volume is the maximum volume of the pond to top elevation of riser. Remaining sludge volume was not measured.



- LEGEND**
- INDEX CONTOUR
  - INTERMEDIATE CONTOUR
  - AS-BUILT INDEX CONTOUR
  - AS-BUILT INTERMEDIATE CONTOUR
  - EX. SYSTEM COMPONENT
  - 4" SDR35 PERFORATED PIPE
  - 4" SDR35 SOLID PIPE
  - 4" SCH40 SOLID PIPE
  - WATER ELEVATION
  - EX. ROAD/DIVERSION DITCH
  - ROAD (DIRT)
  - GPS BENCHMARK
  - TURF REINFORCEMENT MAT

SHEET 1 OF 1

AS-BUILT

PLAN & DETAILS

**BARKLEY ROAD PASSIVE TREATMENT SYSTEM**

for

**STREAM RESTORATION INCORPORATED**

Butler County, Pennsylvania

Scale: As Shown November 2022

**BioMost, Inc. Mining and Reclamation Services**  
 Mars, PA www.biomost.com

