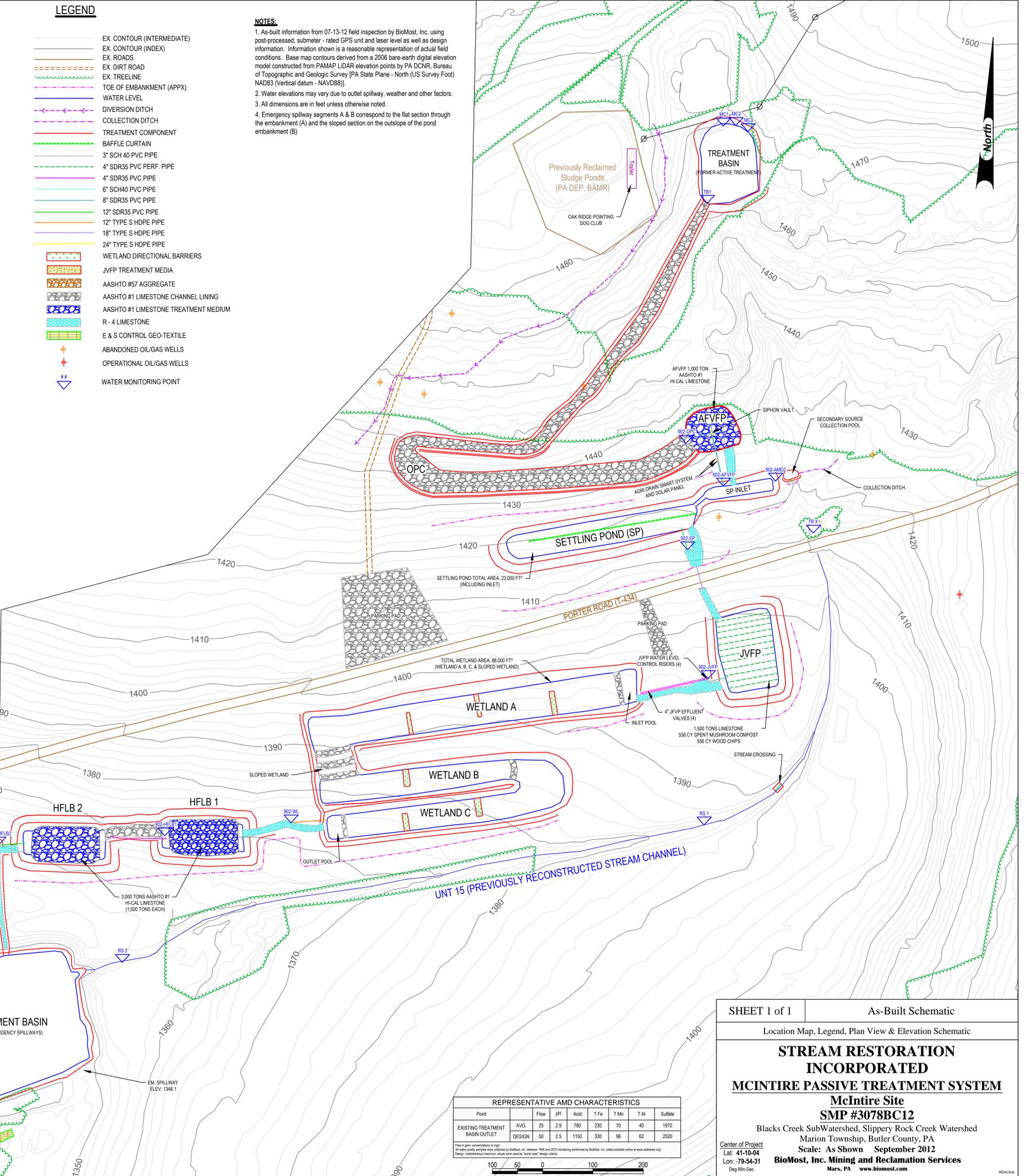


- LEGEND**
- EX. CONTOUR (INTERMEDIATE)
 - EX. CONTOUR (INDEX)
 - EX. ROADS
 - EX. DIRT ROAD
 - EX. TREELINE
 - TOE OF EMBANKMENT (APPX)
 - WATER LEVEL
 - DIVERSION DITCH
 - COLLECTION DITCH
 - TREATMENT COMPONENT
 - BAFFLE CURTAIN
 - 3" SCH 40 PVC PIPE
 - 4" SDR35 PVC PERF. PIPE
 - 4" SDR35 PVC PIPE
 - 6" SCH40 PVC PIPE
 - 8" SDR35 PVC PIPE
 - 12" SDR35 PVC PIPE
 - 12" TYPE S HDPE PIPE
 - 18" TYPE S HDPE PIPE
 - 24" TYPE S HDPE PIPE
 - WETLAND DIRECTIONAL BARRIERS
 - JVFP TREATMENT MEDIA
 - AASHTO #57 AGGREGATE
 - AASHTO #1 LIMESTONE CHANNEL LINING
 - AASHTO #1 LIMESTONE TREATMENT MEDIUM
 - R - 4 LIMESTONE
 - E & S CONTROL GEO-TEXTILE
 - ABANDONED OIL/GAS WELLS
 - OPERATIONAL OIL/GAS WELLS
 - WATER MONITORING POINT

- NOTES:**
- As-built information from 07-13-12 field inspection by BioMost, Inc. using post-processed, submeter-rated GPS unit and laser level as well as design information. Information shown is a reasonable representation of actual field conditions. 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 - North (US Survey Foot) NAD83 (Vertical datum - NAVD83)].
 - Water elevations may vary due to outlet spillway, weather and other factors.
 - All dimensions are in feet unless otherwise noted.
 - Emergency spillway segments A & B correspond to the flat section through the embankment (A) and the sloped section on the outside of the pond embankment (B).



REPRESENTATIVE AMD CHARACTERISTICS

Point	Flow	pH	Acid	T Fe	T Mn	T Al	Sulfate
EXISTING TREATMENT BASIN OUTLET	AVG	25	2.9	780	230	70	40
DESIGN	50	2.5	1150	330	96	62	2500

Flow in gpm, concentrations in mg/l. All water quality samples were collected by BioMost, Inc. between 1988 and 2010 monitoring performed by BioMost, Inc. (data available online at www.dabnet.org). Design characteristics based on design flow and design criteria.

SHEET 1 of 1 As-Built Schematic
Location Map, Legend, Plan View & Elevation Schematic

STREAM RESTORATION INCORPORATED
MCINTIRE PASSIVE TREATMENT SYSTEM
McIntire Site
SMP #3078BC12
Blacks Creek Subwatershed, Slippery Rock Creek Watershed
Marion Township, Butler County, PA
Scale: As Shown September 2012
BioMost, Inc. Mining and Reclamation Services
Mars, PA www.biomost.com

Center of Project
Lat: 41-10-04
Lon: -79-54-31
Deg-Min-Sec