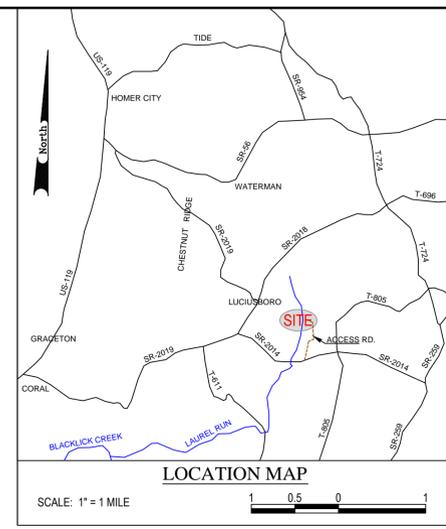
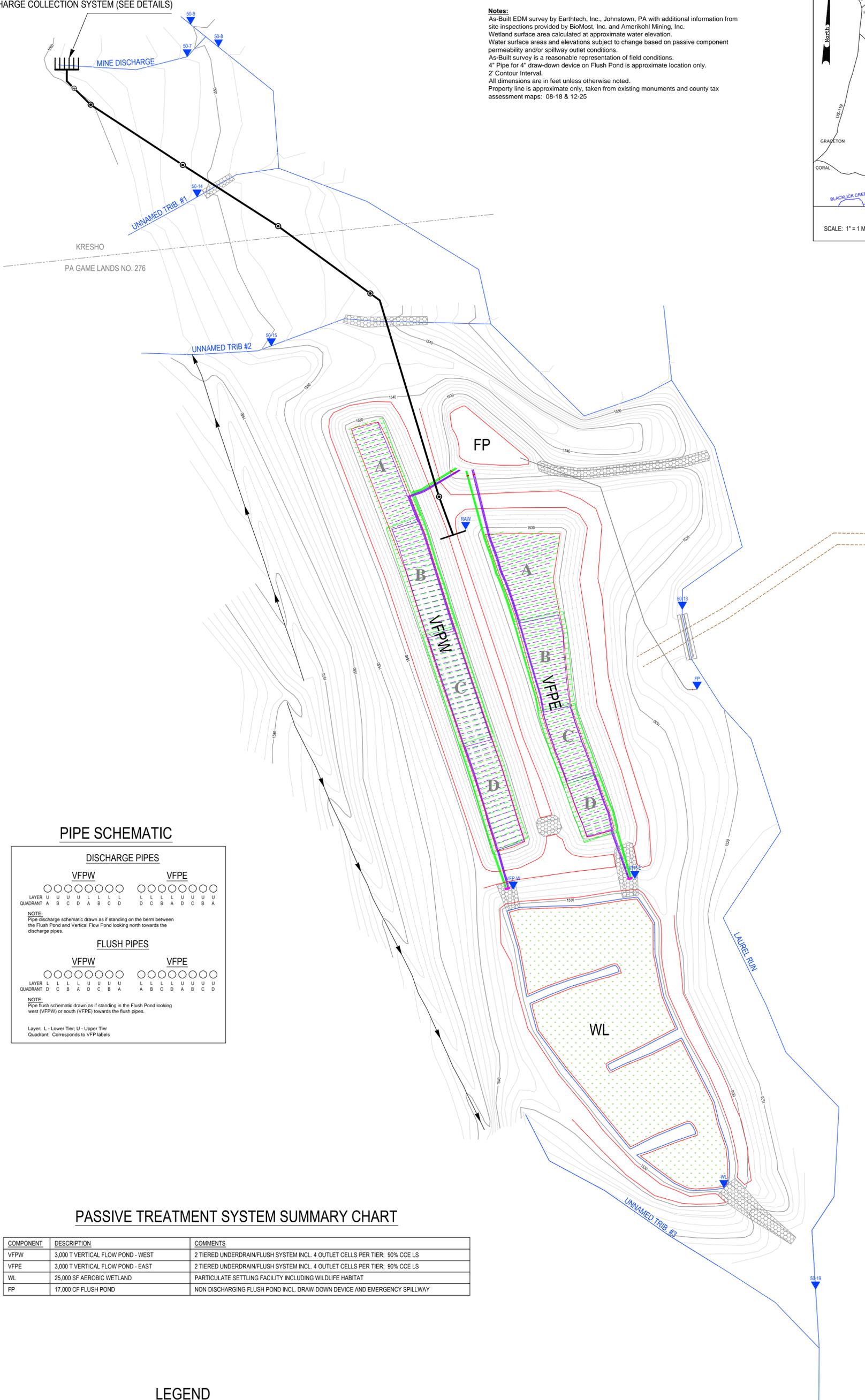


DISCHARGE COLLECTION SYSTEM (SEE DETAILS)

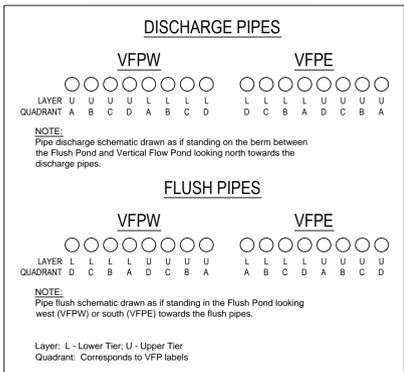
Notes:
 As-Built EDM survey by Earthtech, Inc., Johnstown, PA with additional information from site inspections provided by BioMost, Inc. and Amerikohl Mining, Inc.
 Wetland surface area calculated at approximate water elevation.
 Water surface areas and elevations subject to change based on passive component permeability and/or spillway outlet conditions.
 As-Built survey is a reasonable representation of field conditions.
 4" Pipe for 4" draw-down device on Flush Pond is approximate location only.
 2' Contour Interval.
 All dimensions are in feet unless otherwise noted.
 Property line is approximate only, taken from existing monuments and county tax assessment maps: 08-18 & 12-25



North



PIPE SCHEMATIC



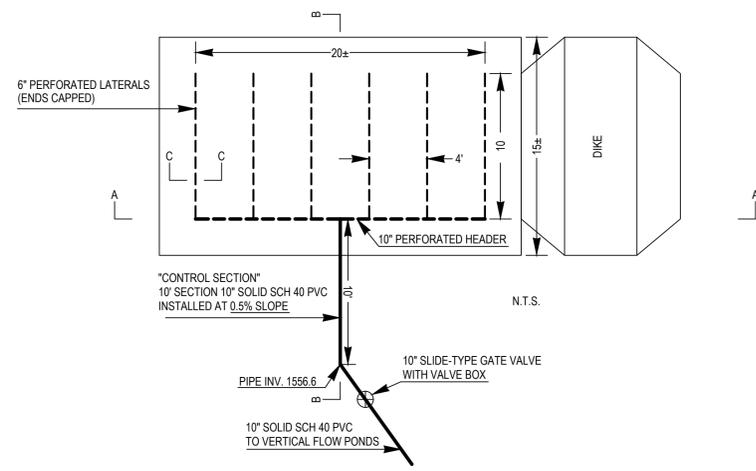
PASSIVE TREATMENT SYSTEM SUMMARY CHART

COMPONENT	DESCRIPTION	COMMENTS
VFPW	3,000 T VERTICAL FLOW POND - WEST	2 TIERED UNDERDRAIN/FLUSH SYSTEM INCL. 4 OUTLET CELLS PER TIER; 90% CCE LS
VFPE	3,000 T VERTICAL FLOW POND - EAST	2 TIERED UNDERDRAIN/FLUSH SYSTEM INCL. 4 OUTLET CELLS PER TIER; 90% CCE LS
WL	25,000 SF AEROBIC WETLAND	PARTICULATE SETTLING FACILITY INCLUDING WILDLIFE HABITAT
FP	17,000 CF FLUSH POND	NON-DISCHARGING FLUSH POND INCL. DRAW-DOWN DEVICE AND EMERGENCY SPILLWAY

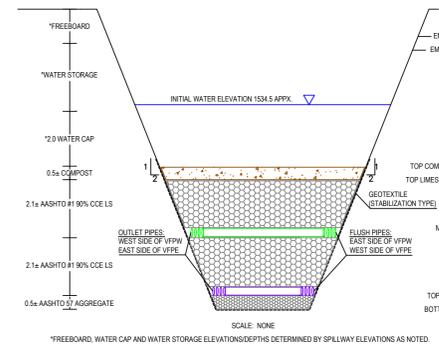
LEGEND

- PASSIVE SYSTEM COMPONENT
- WATER
- - - UNIMPROVED ROAD
- 4" PVC SCH 40 SOLID (UPPER TIER)
- - - 4" PVC SCH 40 PERFORATED (UPPER TIER)
- 4" PVC SCH 40 SOLID (LOWER TIER)
- - - 4" PVC SCH 40 PERFORATED (LOWER TIER)
- 10" SCH 40 PVC SOLID
- 8" PVC SCH 40 SOLID
- 4" PVC SCH 40 SOLID
- - - PROPERTY LINE (APPX.)
- > DIVERSION DITCH
- CONTOUR - INDEX
- CONTOUR - INTERMEDIATE
- - - CONSTRUCTED WETLAND AREA
- RIP RAP (R-4)
- 30" CMP CULVERT
- CLEAN OUT
- 10" VALVE
- 4" VALVE
- ADJUSTABLE OUTLET RISER
- ▲ WATER SAMPLE POINT
- ▲ UNDERDRAIN QUADRANT

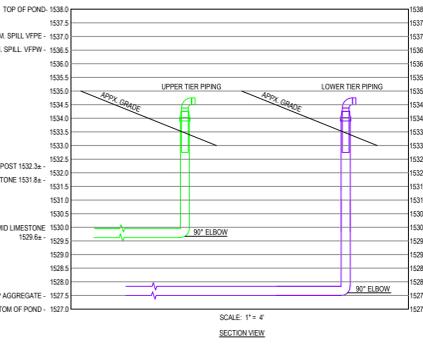
PREPARED BY SHAUN L. BUSLER		SHEET 1 OF 2
AND PREPARED BY	REVIEWED BY	AS-BUILT PLANS PASSIVE TREATMENT SYSTEM LAUREL RUN HEADWATERS RESTORATION Blacklick Creek Watershed Association in cooperation with Stream Restoration Incorporated (PA Non-Profit) Center and Brushvalley Twps., Indiana Co., PA Scale: 1" = 40' Date: 6/2002 BioMost, Inc., Cranberry Twp., PA



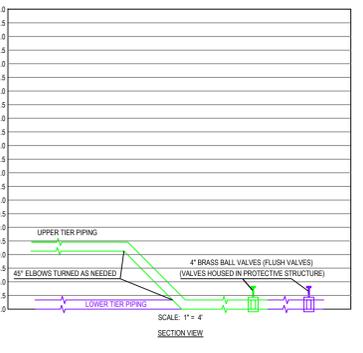
DISCHARGE COLLECTION SYSTEM



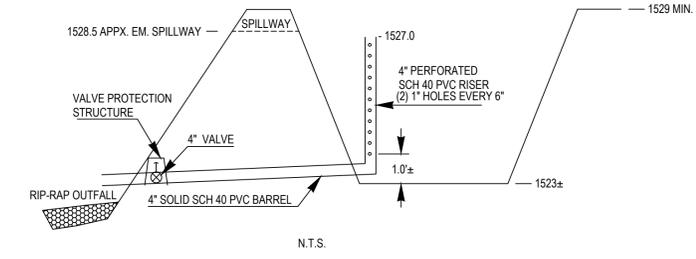
VERTICAL FLOW POND SECTION



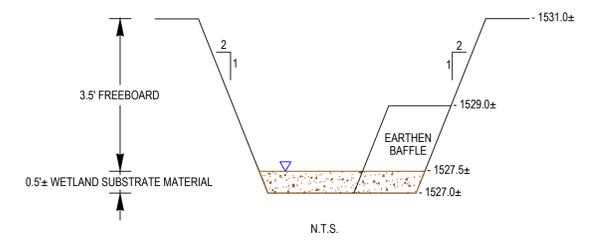
OUTLET RISER SECTION



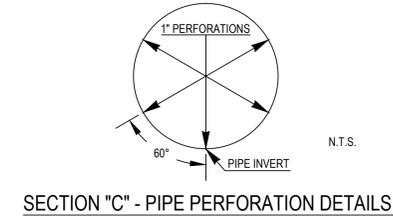
FLUSH SYSTEM SECTION



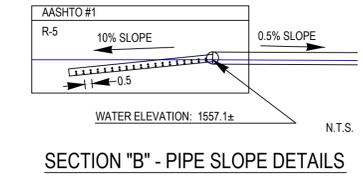
4" DRAW DOWN DEVICE SECTION - FLUSH POND



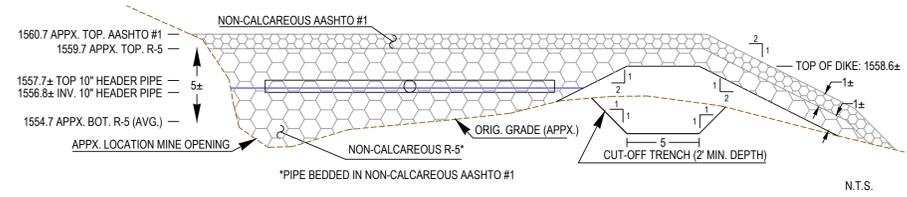
WETLAND SECTION



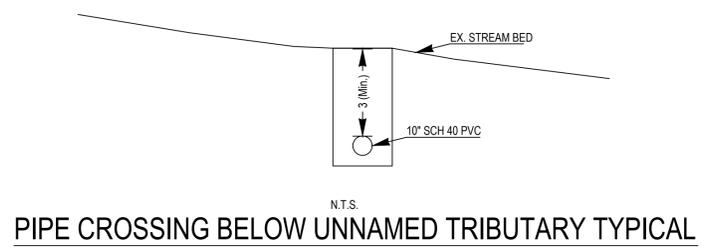
SECTION "C" - PIPE PERFORATION DETAILS



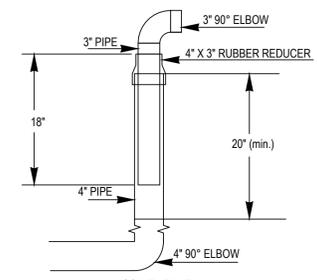
SECTION "B" - PIPE SLOPE DETAILS



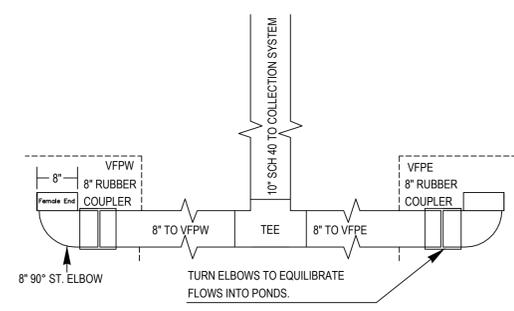
SECTION "A" - PROFILE VIEW



PIPE CROSSING BELOW UNNAMED TRIBUTARY TYPICAL



OUTLET RISER DETAIL



VFP INLET CONTROL DETAILS

Notes:
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PREPARED BY SHAUN L. BUSLER		SHEET 2 OF 2
AND PREPARED BY	REVIEWED BY	
		AS-BUILT PLANS PASSIVE TREATMENT SYSTEM LAUREL RUN HEADWATERS RESTORATION Blacklick Creek Watershed Association in cooperation with Stream Restoration Incorporated (PA Non-Profit) Center and Brushvalley Twps., Indiana Co., PA Scale: 1" = 30' Date: 6/2001 BioMost, Inc., Cranberry Twp., PA