

Project

Location Map
Scale is 1 inch = 2,000 feet USGS 7-1.2' topo quadrangle

Blandburg, PA

C&K Coal Passive Treatment Project
Glasgow Site Rehabilitation

PLAN VIEW - TREATMENT SYSTEM
SHEET NO. 1 OF 1

Drawing No.: Glasgow Rehab Design.dwg
Date: February 2009
Project: Glasgow Rehab Design
Township: Reade Township
County: Cambria County, PA
Drawn By: TJB
Scale: 1"=50'

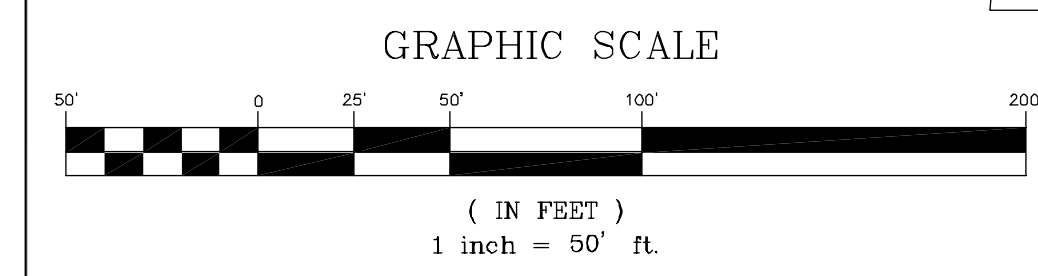
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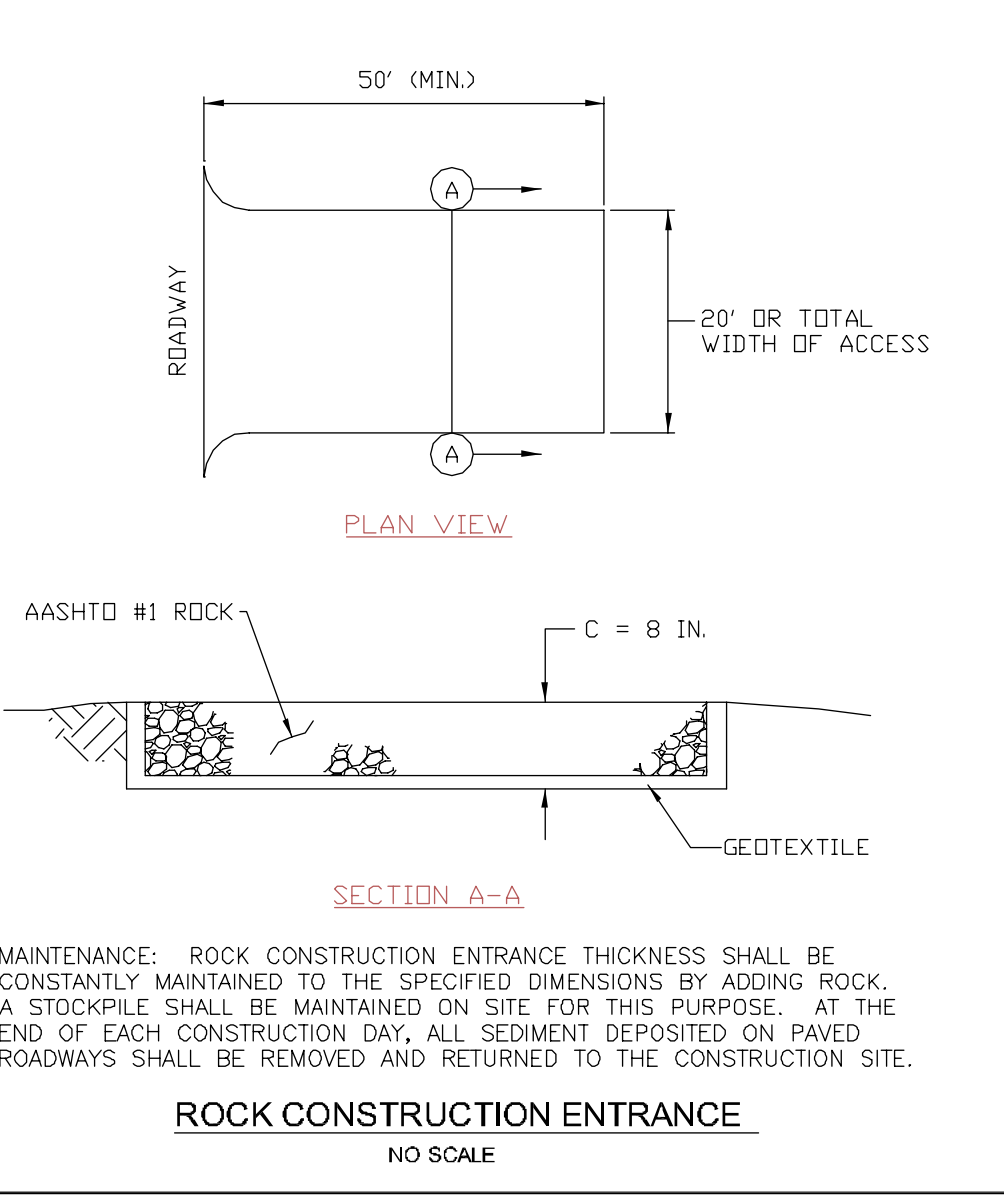
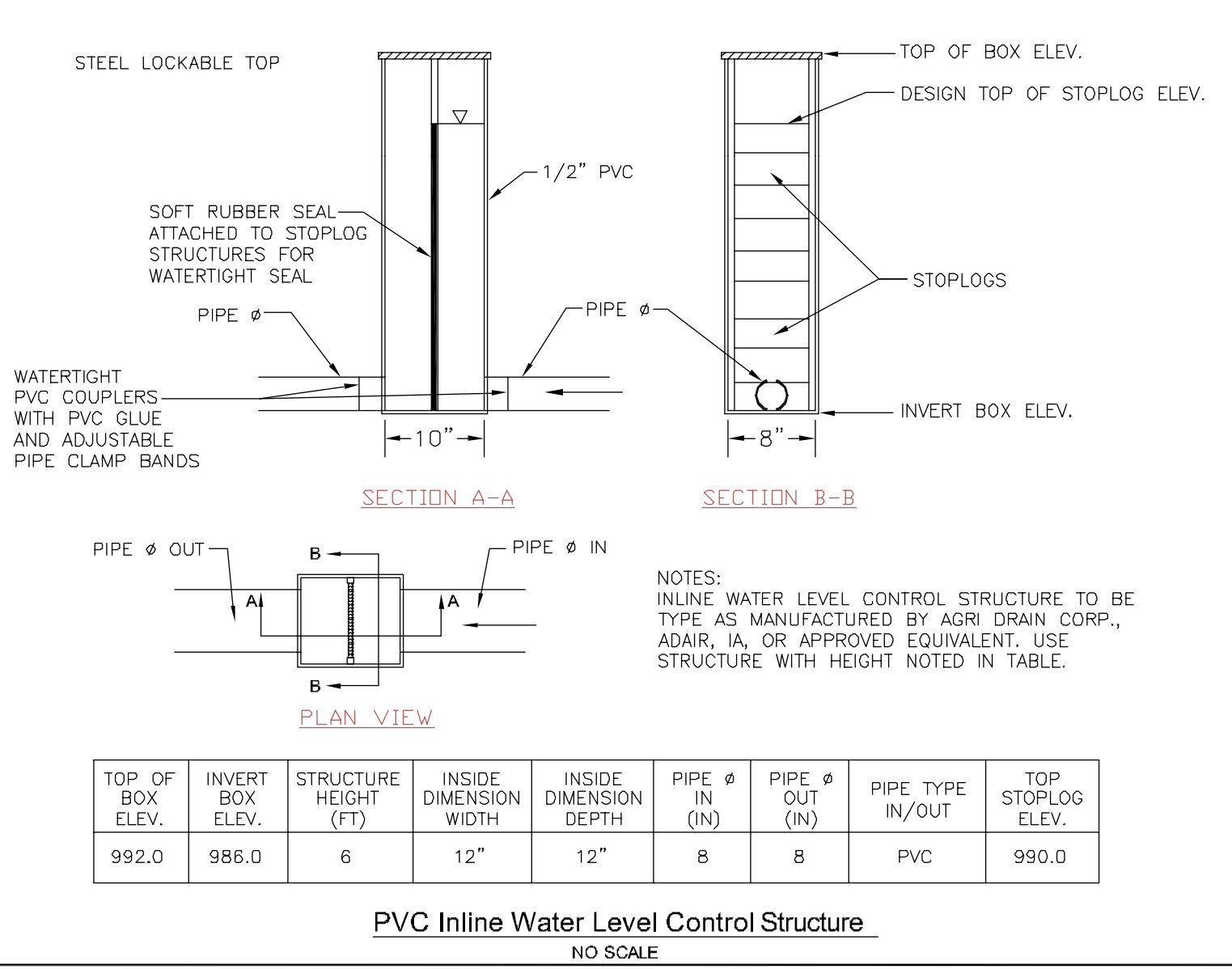
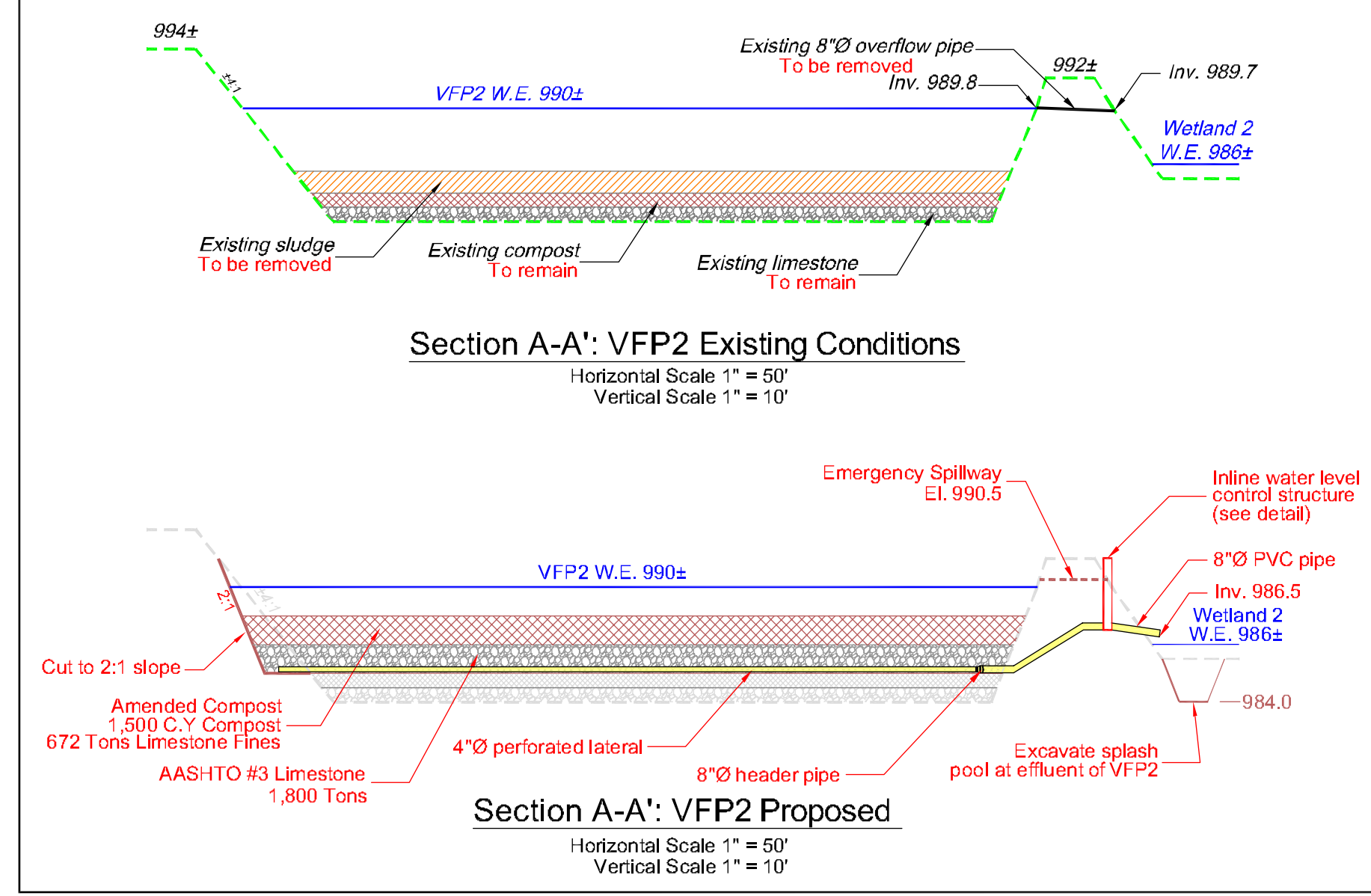
NAW	Design By: (See Note 10)	By
4/23/09	Misc.	Description
1		No.
		Date

CONSTRUCTION SEQUENCE

- MOBILIZE EQUIPMENT TO THE SITE
- INSTALL ROCK CONSTRUCTION ENTRANCE
- REPAIR AND CONSTRUCT SURFACE WATER DIVERSION DITCHES
- CONSTRUCT ACCESS ROAD TO VFP2 INCLUDING CULVERT AND CROSSING OVER WETLAND 1
- CONSTRUCT SLUDGE BASIN
- CLOSE VALVE IN MANHOLE TO STOP FLOW OF WATER INTO SYSTEM
- DEWATER BOTH VFP1 AND VFP2 TO EXPOSE EXISTING METALS SLUDGE AND COMPOST
- REMOVE METALS SLUDGE FROM VFP1 AND VFP2 AND DISPOSE OF SLUDGE IN CONSTRUCTED SLUDGE BASIN
- EXCAVATE NEW EMERGENCY SPILLWAY IN VFP1 AND FILL IN EXISTING EMERGENCY SPILLWAY
- PLACE 1,500 CY OF LIMESTONE AMENDED COMPOST IN VFP1 ON TOP OF EXISTING COMPOST. AMEND COMPOST WITH LIMESTONE FROM THE MANGANESE BED AT A RATE OF 3 PART COMPOST TO 1 PART LIMESTONE BY VOLUME (672 TONS LIMESTONE REQUIRED)
- EXCAVATE SLOPES OF VFP2 TO 2:1. PLACE EXCAVATED MATERIAL ON TOP OF BERM AND IN EXISTING SPILLWAY
- EXCAVATE NEW EMERGENCY SPILLWAY IN VFP2. REMOVE EXISTING 8" OVERFLOW PIPE ONLY AFTER EMERGENCY SPILLWAY HAS BEEN COMPLETED AND IS FUNCTIONAL
- INSTALL GEOTEXTILE SEPARATION FABRIC IN VFP2
- INSTALL UNDERDRAIN PLUMBING IN VFP2 ON TOP OF SEPARATION FABRIC AND EXISTING COMPOST
- INSTALL WATER LEVEL CONTROL STRUCTURE AND OUTLET PLUMBING FROM VFP2 TO WETLAND 2. EXCAVATE SPLASH POOL AT OUTFALL.
- PLACE 1,800 TONS AASHTO #3 LIMESTONE IN VFP2
- PLACE 1,500 CY OF LIMESTONE AMENDED COMPOST IN VFP2 ON TOP OF AASHTO #3 LIMESTONE. AMEND COMPOST WITH AASHTO #10 LIMESTONE AT A RATE OF 3 PART COMPOST TO 1 PART LIMESTONE BY VOLUME (672 TONS LIMESTONE REQUIRED)
- EXCAVATE TO CONNECT WETLAND 2 DIRECTLY TO WETLAND 3. PLACE EXCAVATED MATERIAL IN WETLAND 2 TO DIVERT FLOW INTO WETLAND 3.
- INSTALL 10" PVC OUTLET PIPE FROM EXISTING MANGANESE BED
- MIX LIMESTONE IN MANGANESE BED TO RESTORE AGGREGATE POROSITY
- BLEND EXCESS EXCAVATED MATERIAL INTO SITE
- SEED AND MULCH ALL DISTURBED AREAS
- REMOVE ROCK CONSTRUCTION ENTRANCE
- REMOVE ALL WASTE FROM SITE AND RECYCLE OR OTHERWISE DISPOSE OF PROPERLY



POINT	NORTHING	EASTING	ELEVATION
#1	10,000.00	10,000.00	1,000.00
#2	9,487.22	10,137.40	1,018.60
#3	9,250.60	10,205.27	1,032.06



MAINTENANCE OF CONTROLS

- GENERAL
- THE CONTRACTOR SHALL MAINTAIN A STOCKPILE OF 50 HAYBALES ON SITE FOR AS-NEEDED EROSION CONTROL
- THE CONTRACTOR SHALL INSPECT ALL CONTROLS EACH DAY AND AFTER EVERY RAINFALL EVENT
- DURING TRENCHING OPERATIONS EXCAVATED MATERIAL SHALL BE PLACED ON THE UPSLOPE SIDE OF THE TRENCH TO DIVERT RUNOFF AWAY FROM THE TRENCH
- WHERE A TEMPORARY VEGETATIVE COVER IS NOT ESTABLISHED AFTER SEEDING, ADDITIONAL TEMPORARY SEED SHALL BE APPLIED WITH SOLID AMENDMENTS AND MULCH, OR OTHER EROSION CONTROL METHODS SHALL BE EMPLOYED UNTIL A TEMPORARY VEGETATIVE COVER IS ESTABLISHED.

NOTES:
 1. ELEVATIONS ARE BASED ON AN ASSUMED ELEVATION OF 1000.00 FEET ON POINT #1.
 2. BEARING SYSTEM IS SET USING A BEARING OF SOUTH: 15 DEGREES EAST FROM POINT #1 TO POINT #2.
 3. INDEX CONTOURS ARE SHOWN ON A 10 FOOT INTERVAL WITH INTERMEDIATE CONTOURS AT 2 FOOT INTERVAL.
 4. V1 IS SMALL DITCH NEAREST TO THE SITE GENERALLY FILLED.
 5. V2 IS THE LARGE DITCH WHICH CARRIES THE SURFACE DRAINAGE AWAY FROM THE SITE.
 6. V3 DRAINAGE COMES FROM A LARGER AREA FURTHER UP THE HILL OUT OF THE SCOPE OF THIS PROJECT.
 7. V3 DRAINAGE COMES FROM A LARGER AREA FURTHER UP THE HILL OUT OF THE SCOPE OF THIS PROJECT.
 8. NORTH SIDE OF FENCE OWNED BY PHILIP SCHREIBER SOUTH SIDE BY POWNER TRUST.
 9. Design prepared includes recommendations for PADEP and COVA.

Survey by:
 GEORGE A. CREE
 REGISTERED SURVEYOR
 2417 SKYLINE DRIVE
 FALLENLEAF, PA. 16839

Date: Job Number
 10/29/08 BMT104308