

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION

ACID MINE DRAINAGE ABATEMENT PROJECT

ARGENTINE CENTRAL

WASHINGTON TOWNSHIP

BUTLER COUNTY

CONTRACT NO. AMD 10(0747)101.1

DRAWING INDEX

| TITLE | DWG. NO. |
|----------------------------|----------|
| TITLE SHEET | 1 of 5 |
| VICINITY AND LOCATION MAPS | 2 of 5 |
| PLAN | 3 of 5 |
| DETAILS & SECTION A-A | 4 of 5 |
| PROFILES & DETAILS | 5 of 5 |



MARK SCHWEIKER

GOVERNOR

DAVID E. HESS

SECRETARY

DEPARTMENT OF ENVIRONMENTAL PROTECTION



Eric E. Cavazza

3/4/12
DATE

ERIC E. CAVAZZA
DESIGN SECTION CHIEF - CAMBRIA OFFICE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

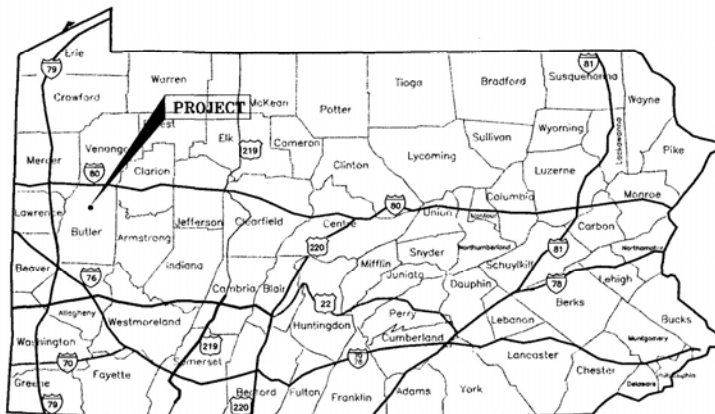
Prepared By
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ABANDONED MINE RECLAMATION
CAMBRIA OFFICE

2011-01-19 13:10:02

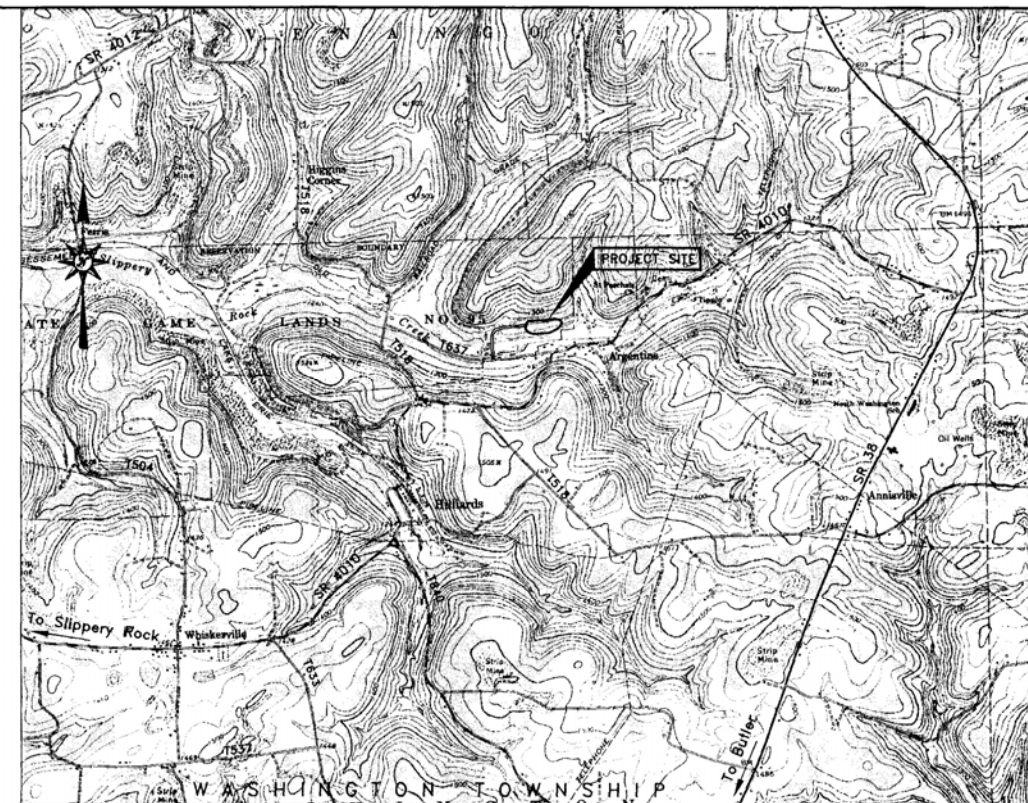
AS BUILT PLAN 11/13/02 VER
[Signature] EPLT

GENERAL NOTES:

1. All areas disturbed outside the limit of grading must be restored to as good as or better than pre-construction conditions.
2. Access roads to the project site shall be restored to its pre-construction condition or better upon project completion.
3. Property Lines were taken from Butler County Tax Assessment maps and are approximate.
4. Areas within the limit of grading where 2 ft. contour intervals are not completely shown shall be graded uniformly between 10 ft. contour intervals.
5. Contractor's work area and limit of grading are approximate. Minor deviations may be permitted subject to the approval of the Department's Representative.
6. Minor adjustments in grade may be made by the Department's Representative.
7. Brush barriers shall be installed in the general locations indicated on the drawings. These barriers shall become permanent wildlife replacement habitat.
8. The brush barriers shall consist of a well intermingled mass of brush, trees, and trimmings to allow water to filter through, but properly secured by placing some of the heavier material throughout and on top of the brush.
9. The linear distance shown for the proposed brush barriers depends upon the amount of brush generated from the clearing and grubbing operation.



LOCATION MAP



Vicinity Map

Scale: 1in.=2000 ft.

LEGEND:

- Existing 10 ft. Contour
- Existing 2 ft. Contour
- Proposed 10 ft. Contour
- Proposed 2 ft. Contour
- Limit Of Grading
- Stream
- Trees and Vegetation
- Contractor's Work Area (CWA)
- Proposed Rock Apron
- Grass Lined Channel
- R-4 Rock Lined Channel
- Existing Access Road
- Filter Fence
- Brush Pile

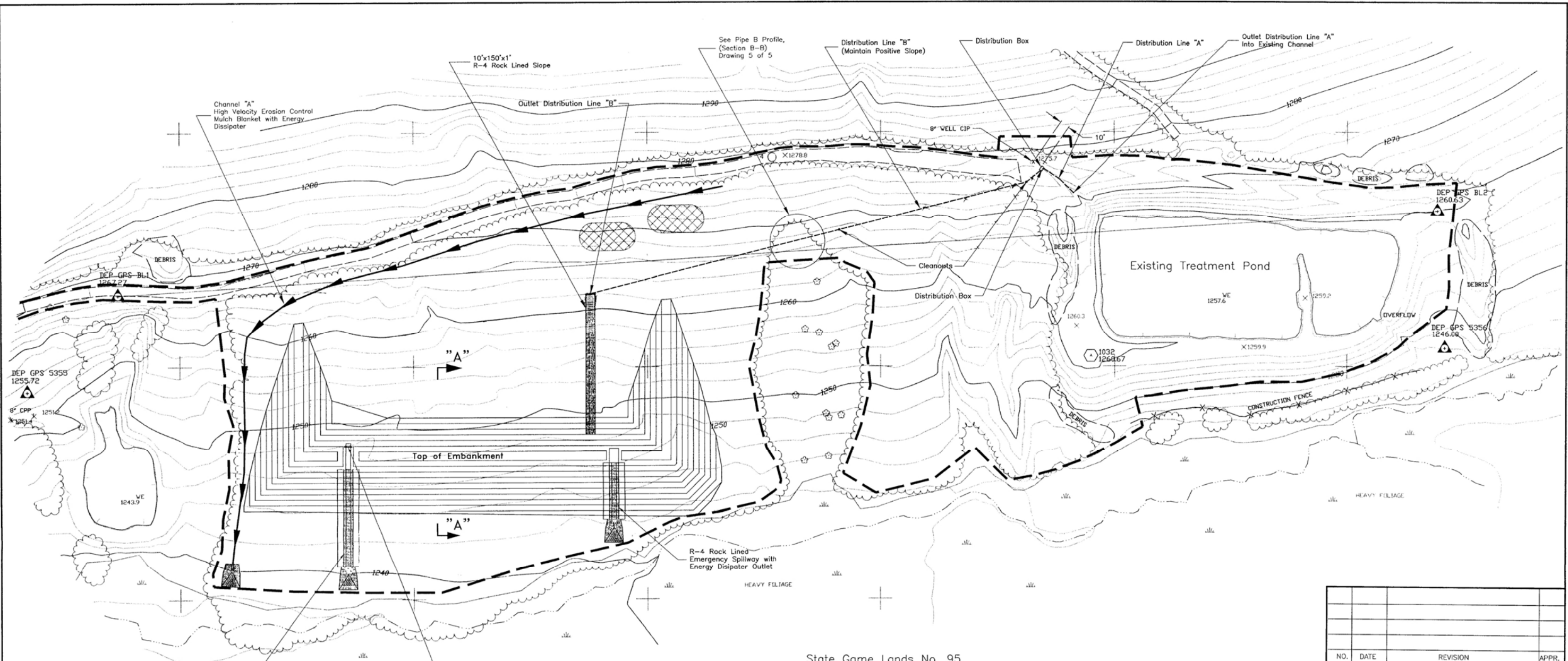
UNDER PUBLIC UTILITIES ACT NO. 187

The Contractor shall comply with the Act of December 10, 1974 (Public Law 852, No.287), As Amended, which defines the procedures for notification to Public Utilities prior to excavation, drilling or demolition work using power equipment or explosives.

"PA ONE CALL SYSTEM" SERIAL NUMBER : 1421492
 "PA ONE CALL SYSTEM" TOLL-FREE NUMBER : 1-800-242-1776
 There are no known underground public utilities located within or adjacent to the project area:

| NO. | DATE | REVISION | APPR. |
|---|---------------------|---------------|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| SUBMITTED: <i>Mont M. Henderson</i> PROJECT DESIGNER RECOMMENDED: <i>Eric E. Cavazza</i> DESIGN SECTION CHIEF - CAMBRIA OFFICE APPROVED: <i>A. Scott Howell</i> ENVIRONMENTAL PROGRAM MANAGER - CAMBRIA OFFICE | | | |
| | | | |
| COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION | | | |
| CONTRACT NO. AMD 10(0747)101.1 | | | |
| ACID MINE DRAINAGE ABATEMENT PROJECT ARGENTINE CENTRAL | | | |
| WASHINGTON TOWNSHIP | | BUTLER COUNTY | |
| Vicinity And Location Maps | | | |
| DRAWN BY: WTS | DATE: Jan. 28, 2002 | DRAWING NO: | |
| CHECKED BY: rtk | SCALE: AS SHOWN | 2 of 5 | |
| ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY CONTRACTOR AT THE SITE. | | | |

AS BUILT PLAN 1/13/02



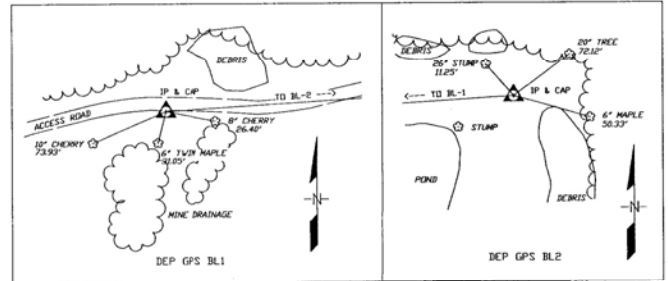
State Game Lands No. 95

PLAN



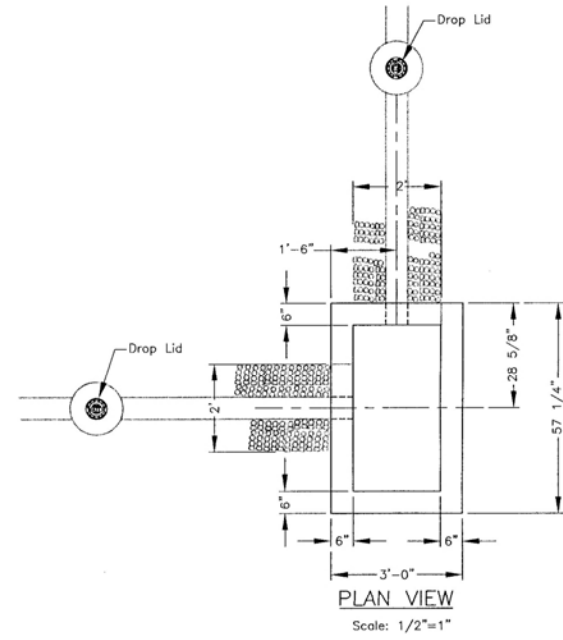
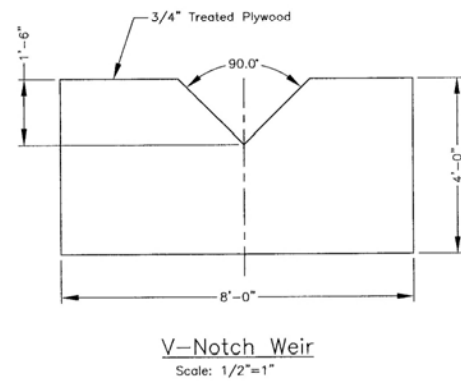
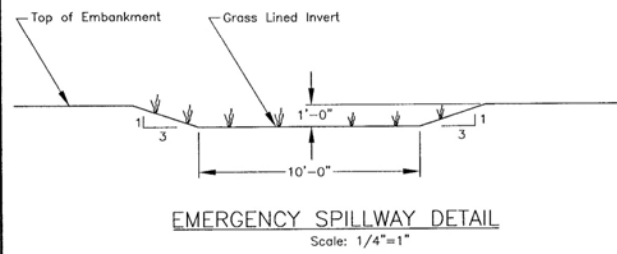
| BENCH MARK DATA | | | | | |
|-----------------|---------------|-----------|------------------|---------------|---------------|
| BM NO. | BASELINE STA. | ELEVATION | DESCRIPTION | N. COORDINATE | E. COORDINATE |
| DEP BL-1 | 00+00.00 | 1267.27 | IRON PIN AND CAP | 648826.61 | 1396434.14 |
| DEP BL-2 | 14+14.79 | 1260.63 | IRON PIN AND CAP | 648916.34 | 1397846.08 |

CONSTRUCTION BASELINE DATA

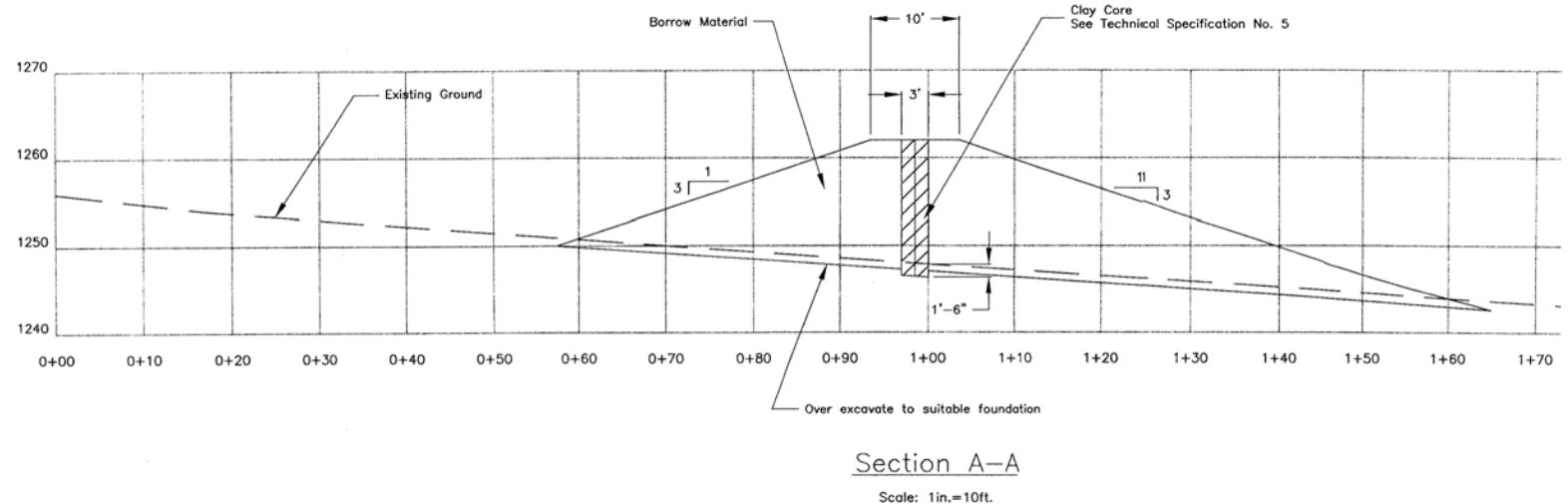
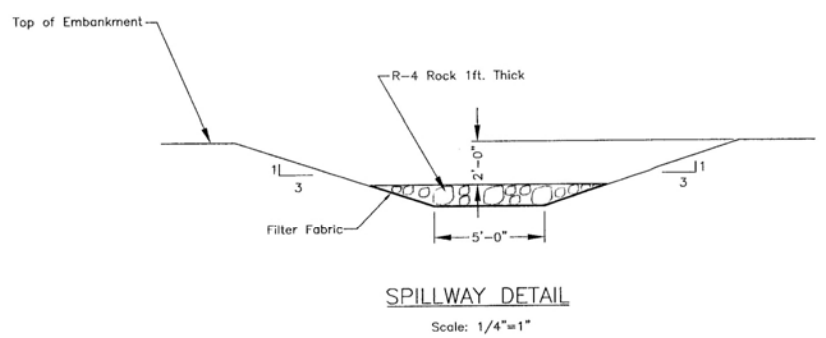
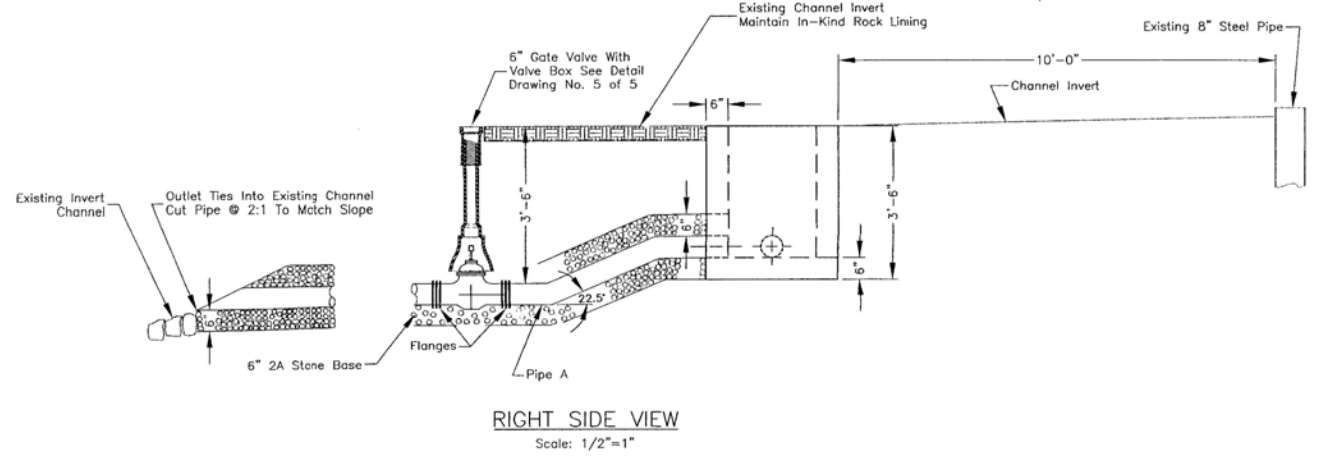
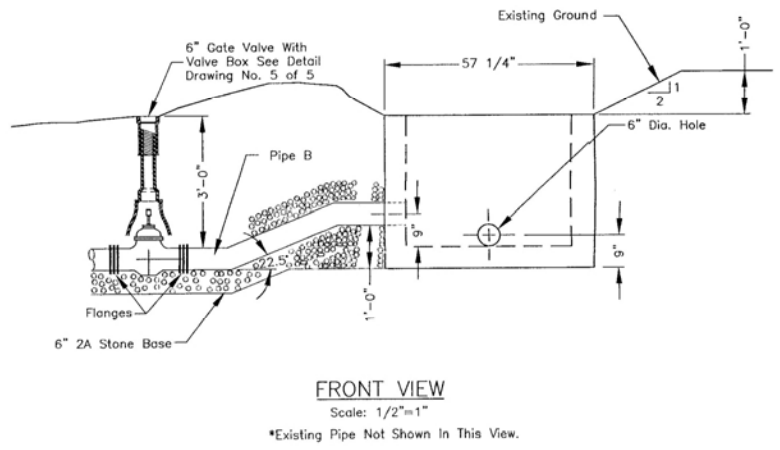


| NO. | DATE | REVISION | APPR. |
|---|---------------------|--------------------------|-------|
| SUBMITTED: <i>Mark M. of Leman</i> | | | |
| PROJECT DESIGNER: <i>Eric E. Cavazza</i> | | | |
| RECOMMENDED: <i>Eric E. Cavazza</i> | | | |
| DESIGN SECTION CHIEF - CAMBRIA OFFICE | | | |
| APPROVED: <i>Scott Honell</i> | | | |
| ENVIRONMENTAL PROGRAM MANAGER - CAMBRIA OFFICE | | | |
| | | | |
| COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION | | | |
| CONTRACT NO. AMD 10(0747)101.1 | | | |
| ACID MINE DRAINAGE ABATEMENT PROJECT ARGENTINE CENTRAL | | | |
| WASHINGTON TOWNSHIP | | BUTLER COUNTY | |
| PLAN | | | |
| DRAWN BY: WTS | DATE: Jan. 24, 2002 | DRAWING NO. 3 of 5 | |
| CHECKED BY: MKC | SCALE: AS SHOWN | ACID DRAWING NO. 0747-03 | |

AS BUILT PLAN
11/13/02



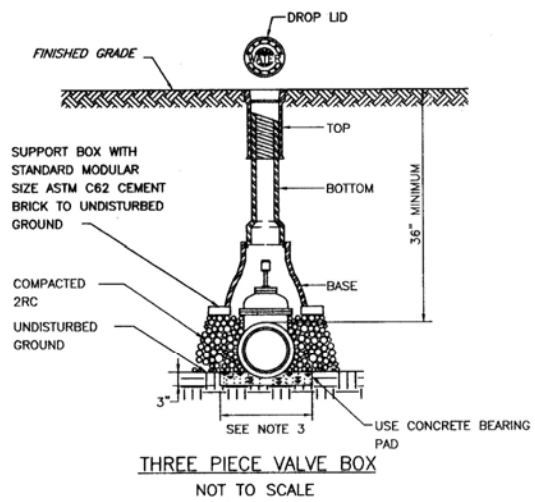
NOTES:
Use type "M" inlet according to RC Standard #34 and according to section 605 of the current Pa. Department of Transportation Specifications Publication 408.



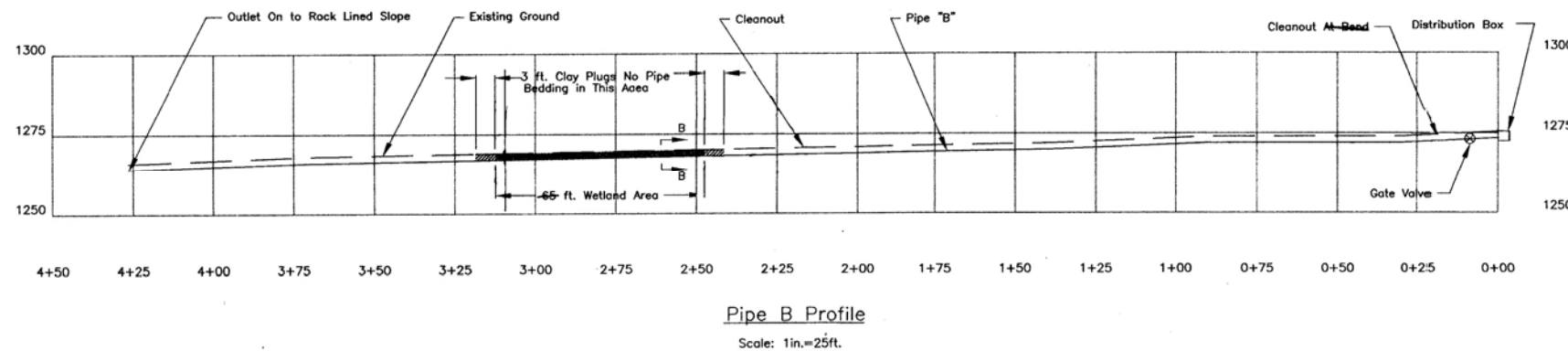
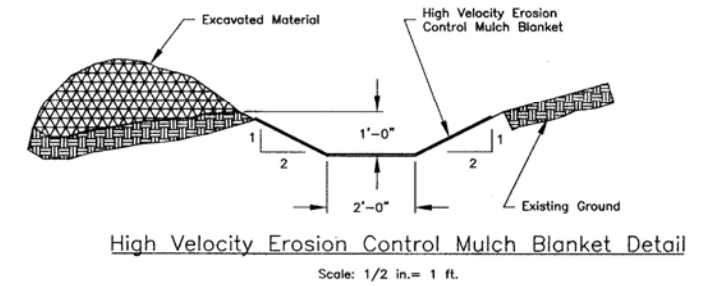
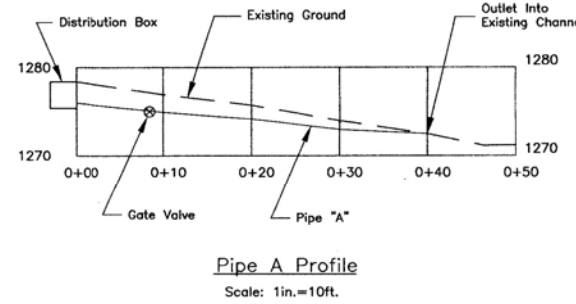
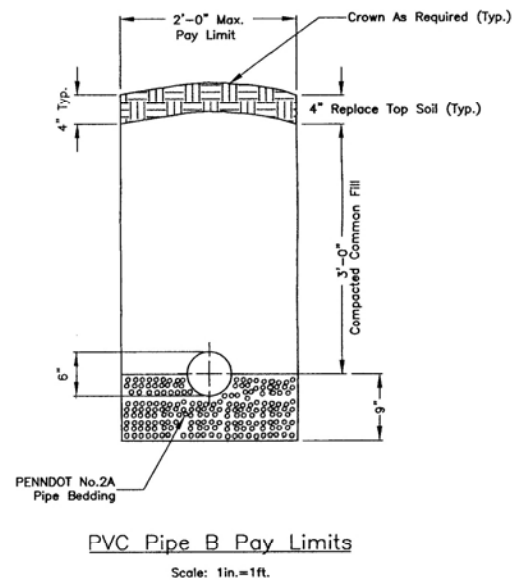
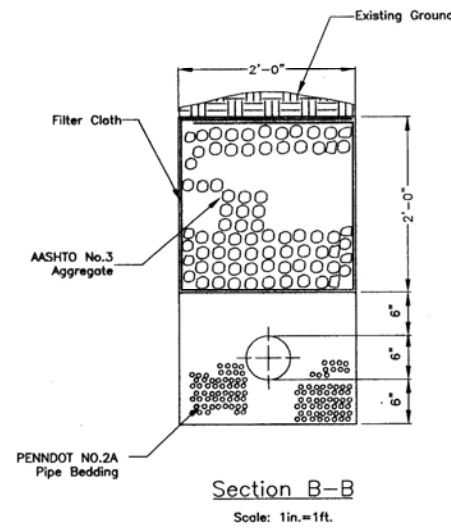
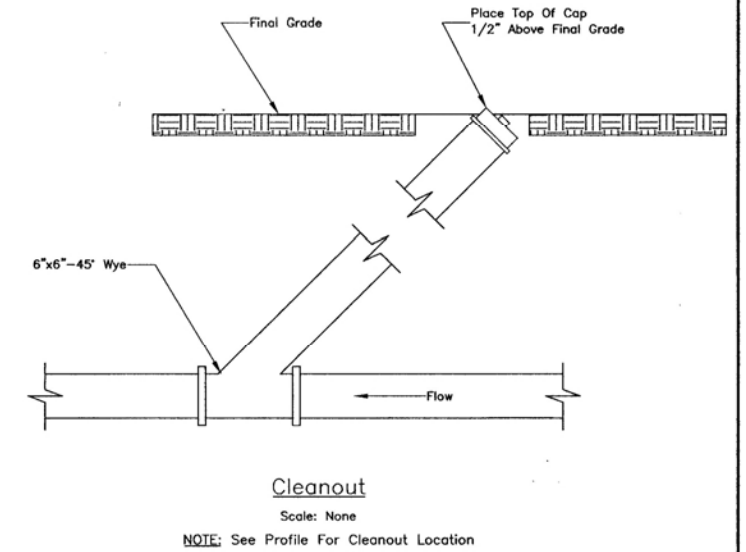
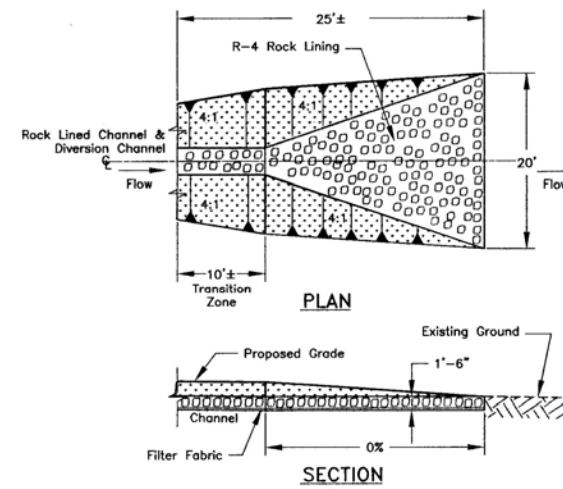
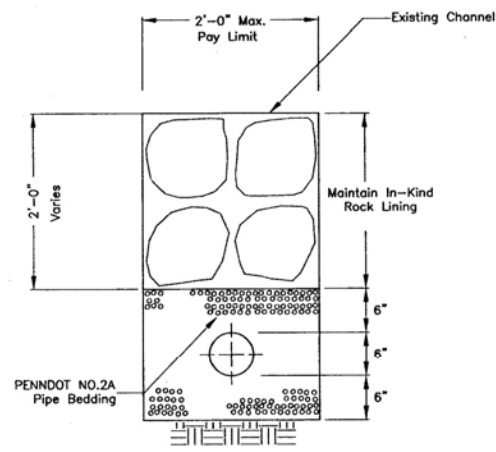
| NO. | DATE | REVISION | APPR. |
|--|---------------------|----------------|-----------------|
| SUBMITTED: <i>Mark M. Hansen</i> | | | |
| PROJECT DESIGNER: <i>Eric E. Cavazza</i> | | | |
| RECOMMENDED: <i>Eric E. Cavazza</i> | | | |
| DESIGN SECTION CHIEF - CAMBRIA OFFICE | | | |
| APPROVED: <i>Robert Hornell</i> | | | |
| ENVIRONMENTAL PROGRAM MANAGER - CAMBRIA OFFICE | | | |
| | | | |
| COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION | | | |
| CONTRACT NO. AMD 10(0747)101.1 | | | |
| ABANDONED MINE RECLAMATION PROJECT ARGENTINE CENTRAL | | | |
| WASHINGTON TOWNSHIP | | BUTLER COUNTY | |
| Details And Section A-A | | | |
| DRAWN BY: WTS | DATE: Jan. 24, 2002 | CHECKED BY: MK | SCALE: AS SHOWN |
| ACD DRAWING NO. 0747-04 | DRAWING NO. 4 of 5 | | |

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

AS BUILT PLAN
11/13/02



- NOTES:
1. VALVE BOX SHALL BE INSTALLED SO THAT TRAFFIC LOADS CANNOT BE TRANSMITTED TO THE VALVE.
 2. BOX BASE WILL BE SIZED SO THAT IT WILL NOT COME IN CONTACT WITH THE VALVE.
 3. BEARING PAD SHALL EXTEND BEYOND WIDEST DIMENSION OF VALVE.



| NO. | DATE | REVISION | APPR. |
|--|---------------------|-------------|--------|
| SUBMITTED: <i>Mark M. H. Leman</i> | | | |
| PROJECT DESIGNER: <i>Eric E. Cavazza</i> | | | |
| RECOMMENDED: <i>Eric E. Cavazza</i> | | | |
| DESIGN SECTION CHIEF - CAMBRIA OFFICE: <i>Eric E. Cavazza</i> | | | |
| APPROVED: <i>Eric E. Cavazza</i> | | | |
| ENVIRONMENTAL PROGRAM MANAGER - CAMBRIA OFFICE: <i>Eric E. Cavazza</i> | | | |
| | | | |
| COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION | | | |
| CONTRACT NO. AMD 10(0747)101.1 | | | |
| ABANDONED MINE RECLAMATION PROJECT ARGENTINE CENTRAL | | | |
| WASHINGTON TOWNSHIP BUTLER COUNTY | | | |
| PROFILES & DETAILS | | | |
| DRAWN BY: WTS | DATE: JAN. 25, 2002 | DRAWING NO: | 5 of 5 |
| CHECKED BY: MKC | SCALE: AS SHOWN | 0747-05 | |

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