## COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

# ABANDONED MINE LAND RECLAMATION PROJECT PENGROVE COAL COMPANY - HANEY SITE MINING PERMIT NO. 10820115

**VENANGO TOWNSHIP** 

**BUTLER COUNTY** 

**CONTRACT NO. BF 406-101.1** 

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MARK S. SCHWEIKER

GOVERNOR

DAVID E. HESS

SECRETARY OF ENVIRONMENTAL PROTECTION

Prepared By
DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ABANDONED WINE RECLAMATION

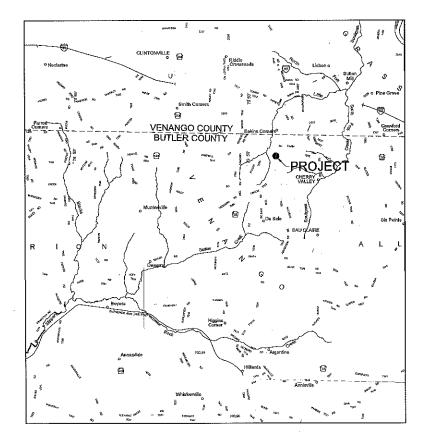
400 Market Street, Harrisburg. PA

JOSEPH H. SCHUECK, P.E., DIVISION CHIEF
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DATE

#### PROPERTY OWNERS

Vincent J. and Mary M. Cordan P.O. Box F Eau Claire, PA 16030



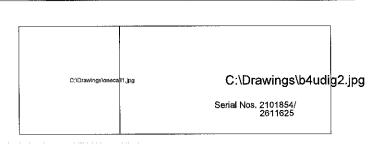
VICINITY MAP

SCALE: 1" = APPROXIMATELY 1 MILE

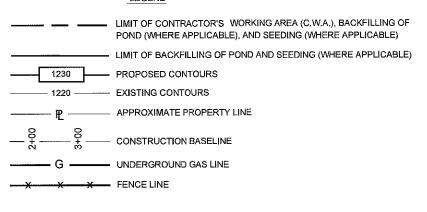
NOTE: The Contractor Shall comply with Act 287 of the General Assembly, which defines the procedures for notification to Public Utilities prior to excavation, drilling, or demolition work using power equipment or explosives.

#### UTILITY LISTINGS

COMPANY	TYPE OF FACILITY	ADDRESS	PHONE	
Columbia Gas of PA	Underground Line	Route 224 West RD 2, Box 434 New Castle, PA 16101	(724)-546-2028 Mr. Don Kizak	
Pennsylvania One Cali	SERIAL NUMBERS: 2101854/2611625		1-800-242-1776	

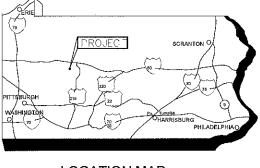


#### LEGEND



#### GENERAL NOTES

- Elevations of the features are to be taken from the Bench Marks shown on the drawing.
- Limits of Backfilling of Pond and Seeding as shown on the plan are approximate.
   Minor deviations may be permitted subject to the approval of the Department's Representative.
- 3) All areas outside of the seeding limits that are disturbed by the Contractor must be restored to as good as or better than the existing conditions.
- 4) All areas where 2 ft. contours are not shown shall be graded at a uniform slope between 10 ft. contour intervals.
- 5) Minor adjustments in grade may be made by the Department's Representative to suit field conditions.
- 6) The Confractor shall dewater all Impoundments existing, within the C.W.A. limits, at the time of construction of the project.
- 7) The property lines as shown on the drawing are approximate.
- 8) Locations of the utilities shown on the Drawings are based on the information provided by the utility companies. The accuracy of this Information is not guaranteed. The Contractor shall contact the utility companies listed on this drawing prior to any construction activity.



**LOCATION MAP** 

No Scale

NO,	DATE	REVISION	APPR.		
SUBA	MITED				
		T ENGINEER			
RECO	ONIMENDED				
4000	PROJEC	7 COCRONATOR			
АНТИ	HOVED				
CHREF - DAVISION OF ACID MINE DRAINAGE ABATEMENT					
	COM	MMONWEALTH OF PENNSYLVANIA			
DEPARTMENT OF ENVIRONMENTAL PROTECTION					
	CONTRACT NO. BF 406-101.1				
ABANDONED MINE LAND RECLAMATION PROJECT					

LL DIMENSIONS AND EXISTING CONDITIONS SHALL, BE CHECKED IND VERIFIED BY CONTRACTOR VICINITY MAPS

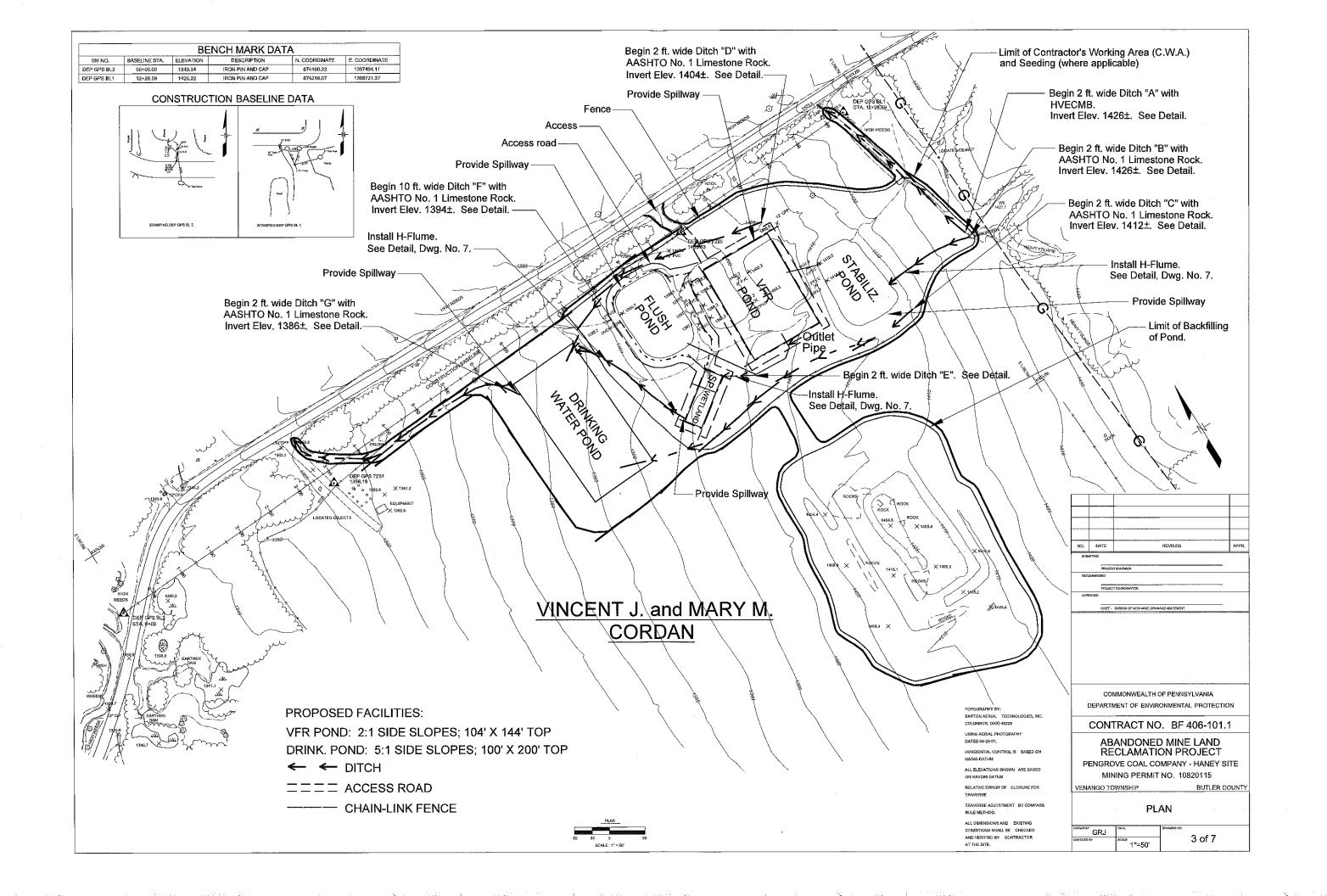
DEMANDER GRJ DATE GRAPHIC NO. 2 of 7

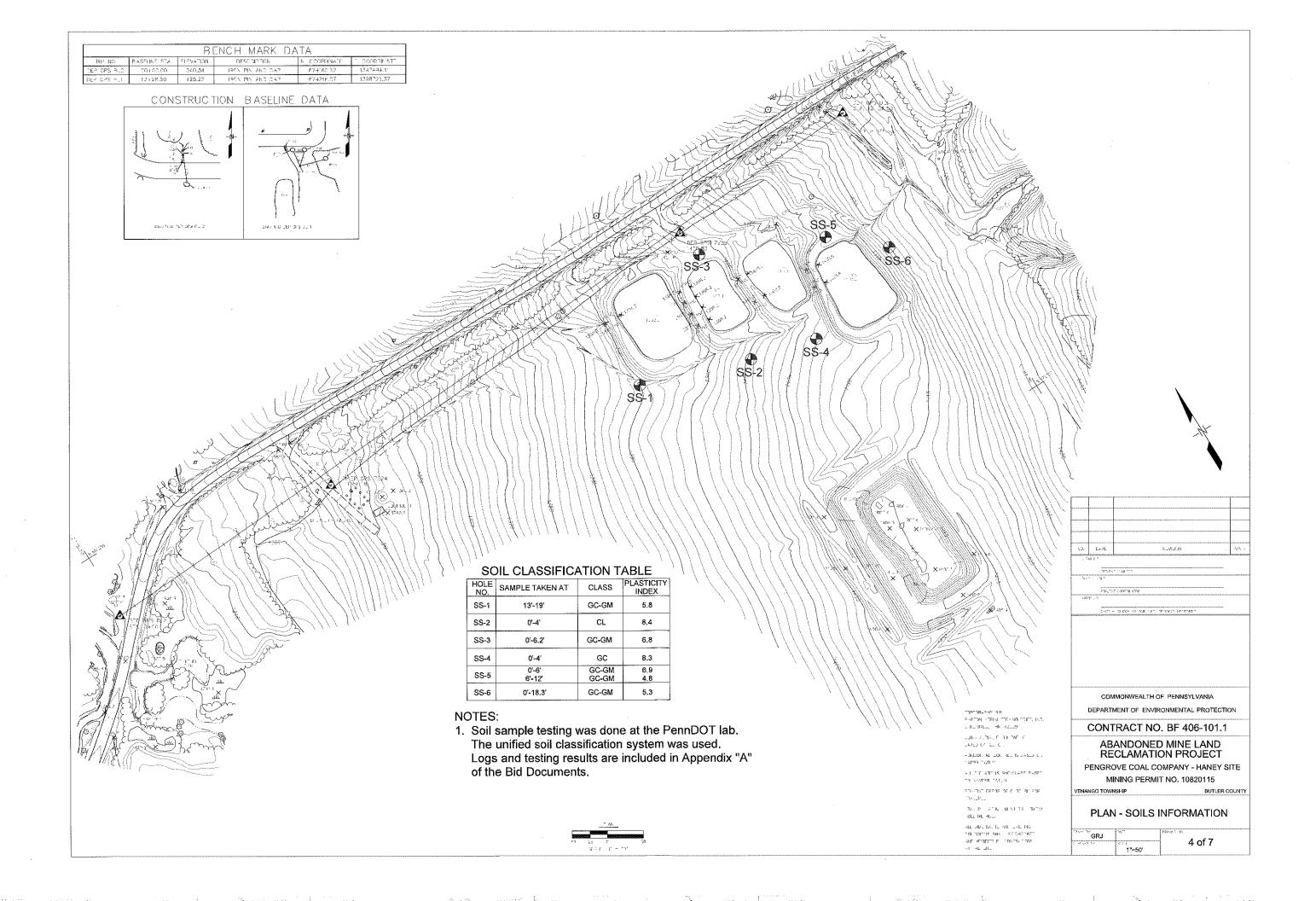
VENANGO TOWNSHIP

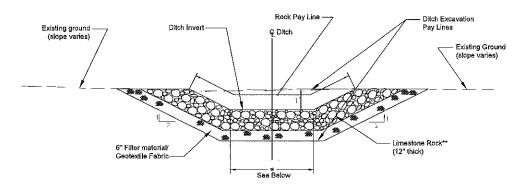
PENGROVE COAL COMPANY - HANEY SITE MINING PERMIT NO. 10820115

LOCATION AND

BUTLER COUNTY





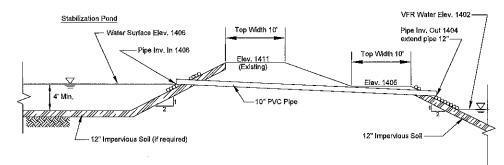


#### DITCH WITH LIMESTONE ROCK LINING

lo Scale

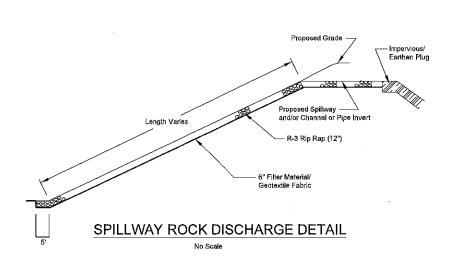
### INFORMATION FOR DITCHES

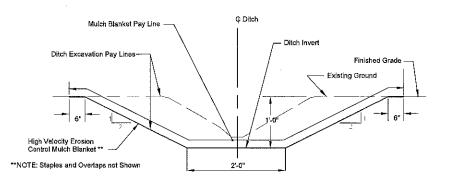
DITCH	*BOTTOM WIDTH	**LINING
B,C,D,G	2'	AASHTO No. 1
· Е	2'	R-3
F	10'	AASHTO No. 1



#### STABILIZATION POND TO VFR PROFILE

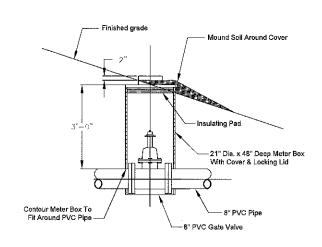
JIND





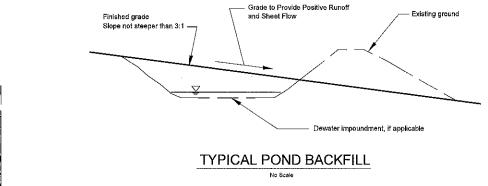
## DITCH "A" WITH HIGH VELOCITY EROSION CONTROL MULCH BLANKET

No Scale



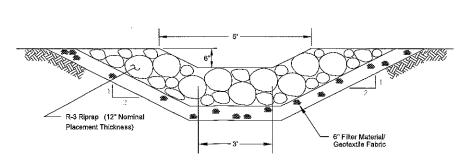
#### 8" PVC GATE VALVE AND METER BOX

No. Scale



#### STABILIZATION POND OUTLET/ VFR POND INLET

No Scale



AASHTO No. 1 (12" Thick)

#### RIPRAP DETAIL FOR SPILLWAY

No Scale

### INFORMATION FOR SPILLWAY CONSTRUCTION

POND	BEGINNING INVERT
STABILIZATION POND	1410.5
VFR	· 1404.5
FLUSHING POND	1393.5
WETLAND	1395,5
DRINKING WATER POND	1378

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

CONTRACT NO. BF 406-101.1

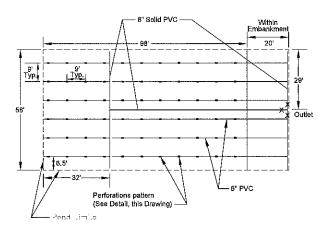
ABANDONED MINE LAND RECLAMATION PROJECT PENGROVE COAL COMPANY - HANEY SITE

MINING PERMIT NO. 10820115
VENANGO TOWNSHIP BUTLER COUNTY

DETAILS

No code 5 of 7

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# 9' | Тур. |

#### VFR PIPE LAYOUT-LOWER LEVEL

NOTES: 1. Provide cleanout for each 8" diameter pipe, as directed by the Department's Representative.

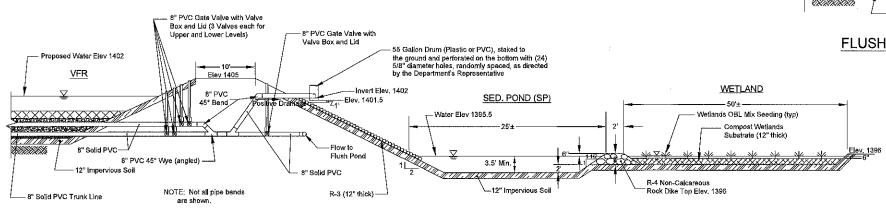
2. 6" diameter pipes shall be perforated with a set of (4) 3/4" perforations every 9' of length, as shown on the det

#### VFR PIPE LAYOUT-UPPER LEVEL

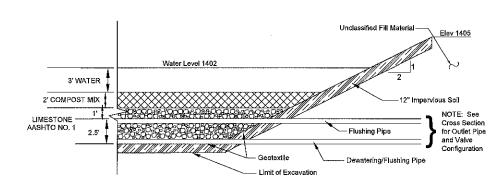
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<u>VFR</u> SEDIMENT POND (SP) 8" PVC 45° Wye -8" PVC 8"x8" PVC - Ditch with R-3 Rock Cross Fitting (typ) (12" thick) 8" Solid PVC Proposed Edge of Water Flow to Flush Pond NOTE: Not all pipe bends

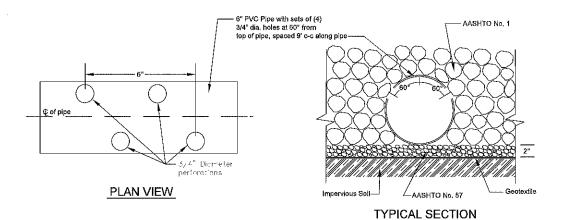
#### VFR TO SEDIMENT POND FLOW PLAN No Scale



#### VFR TO SEDIMENT POND TO COMPOST WETLAND FLOW CROSS SECTION

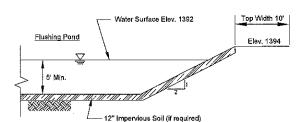


#### VFR TYPICAL EMBANKMENT SECTION

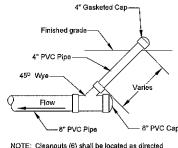


#### PERFORATIONS DETAIL

No Scale



#### **FLUSHING POND SECTION**



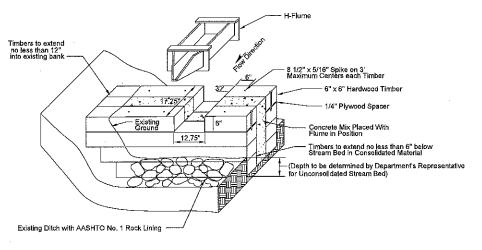
#### PIPE CLEANOUT DETAIL (Typ.)

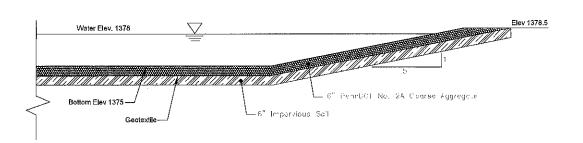
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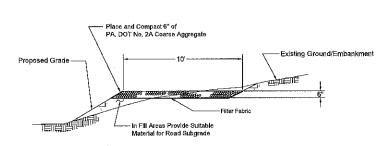




#### DRINKING WATER POND TYPICAL EMBANKMENT SECTION

No Scale

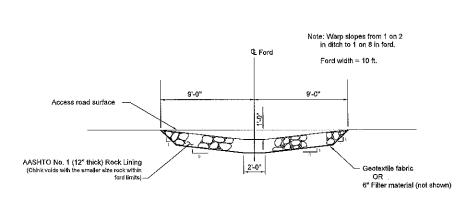
#### H-FLUME (ISOMETRIC VIEW)

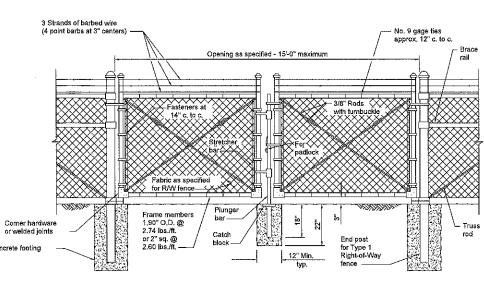


- Corner or pull post (same details as shown for end post) - 3 Strands of barbed wire (4 point barbs at 3" centers) -Top rail 9"ØMin, - No. 7 ca. tension wire

PADOT TYPE 1 RIGHT-OF-WAY FENCE WITH BARBED WIRE

#### ACCESS ROAD (typ.)





#### VEHICULAR GATE WITH BARBED WIRE FOR PADOT TYPE 1 RIGHT-OF-WAY FENCE (GATE TO SWING 180°)

ABANDONED MINE LAND RECLAMATION PROJECT PENGROVE COAL COMPANY - HANEY SITE MINING PERMIT NO. 10820115 VENANGO TOWNSHIP

**DETAILS** 

BUTLER COUNT

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION CONTRACT NO. BF 406-101.1

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#### DITCH FORD CROSSING

#### PROJECT SIGN

# DEPARTMENT OF ENVIRONMENTAL PROTECTION WORKING FOR YOU TO RESTORE OUR ENVIRONMENT

GOVERNOR MARK S. SCHWEIKER SECRETARY DAVID E. HESS

THIS PROJECT IS RESTORING 7 ACRES

ABANDONED MINE LAND RECLAMATION PROJECT CONTRACT NO. BF 406-101.1

WITH FUNDS FROM FORFEITED BONDS

Use 4' x 8' x 3/4" board on two (2) 4" x 4" posts.

Paint exterior board and posts with two (2) coats of green exterior oil base paint.

Project sign shall have a 1" wide white perimeter border.

#### White plain letters:

- 4" High capital letters, lines 1 and 2.
- 3" High capital letters, lines 3, 5 and 6.
- 2" High capital letters, lines 4 and 7.
- 1" Spacing between lines, minimum.