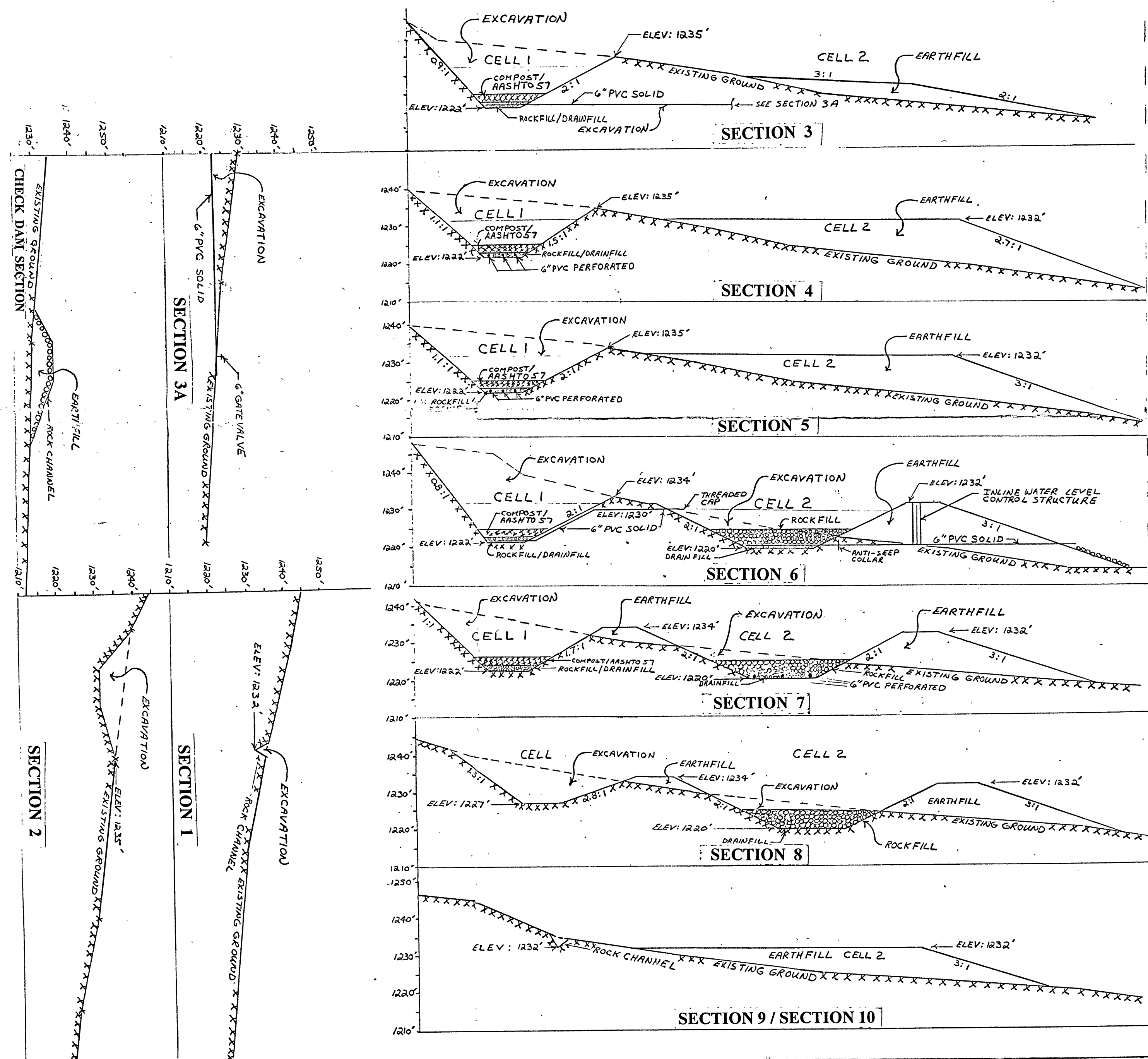


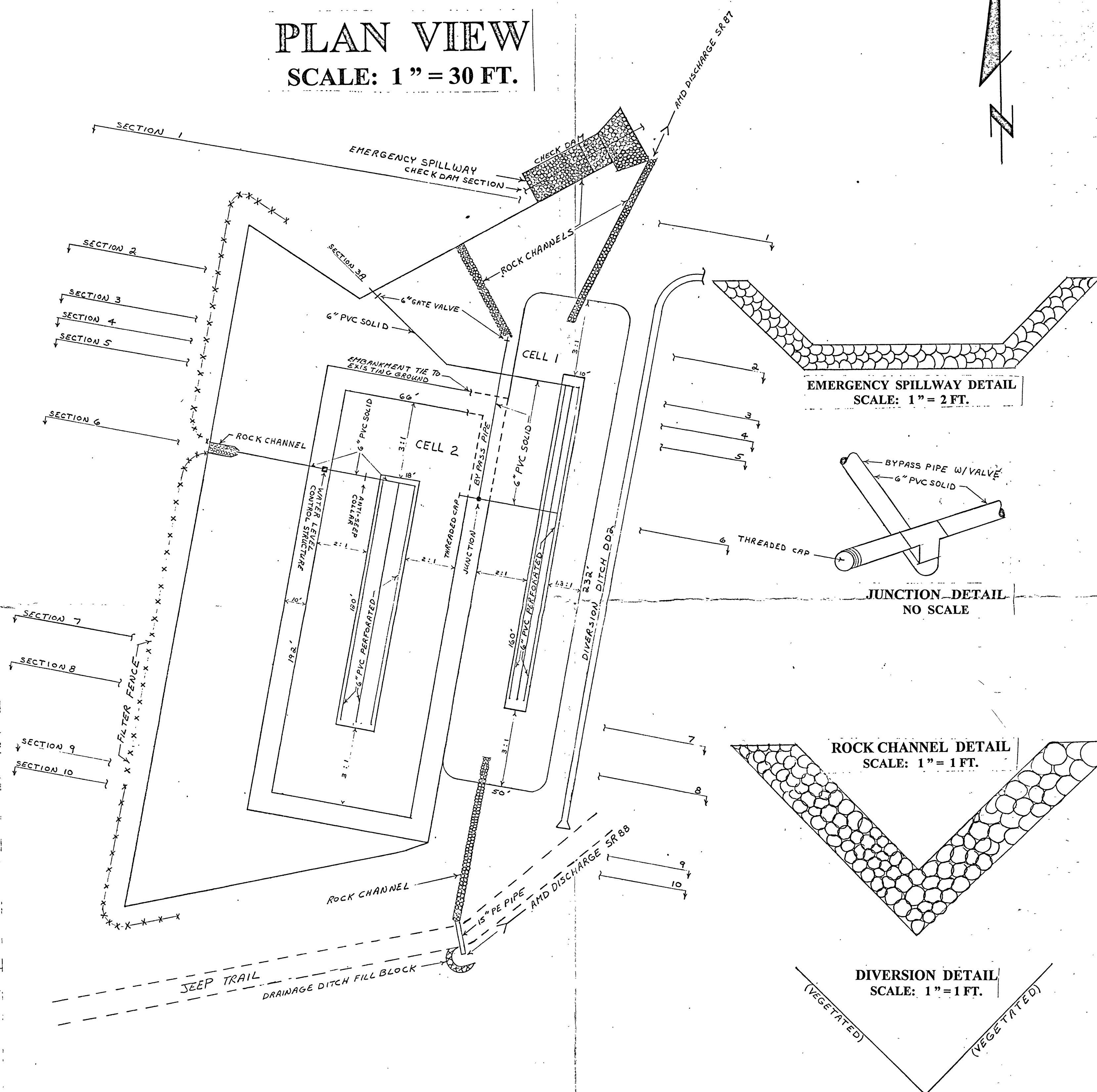
# CROSS-SECTIONS

SCALE: 1" = 20 FT.  
(HORIZONTAL / VERTICAL)



# PLAN VIEW

SCALE: 1" = 30 FT.



EMERGENCY SPILLWAY DETAIL  
SCALE: 1" = 2 FT.

JUNCTION DETAIL  
NO SCALE

ROCK CHANNEL DETAIL  
SCALE: 1" = 1 FT.

DIVERSION DETAIL  
SCALE: 1" = 1 FT.

## PLAN VIEW, DETAILS, & CROSS - SECTIONS

SCALES: AS SHOWN | DATE: 2/7/97

DESIGN / DRAWN BY: ROGER D. BOWMAN, MINING ENGINEER - KNOX DMO

### PROJECT DEVELOPMENT TEAM

D. E. P., KNOX DMO, HARRISBURG BMR  
PENN'S CORNER CHARITABLE TRUST  
NATURAL RESOURCES CONSERVATION SERVICE  
BUTLER COUNTY CONSERVATION DISTRICT  
WESTERN PA. COALITION FOR ABAND. MINE REC.  
PENNSYLVANIA GAME COMMISSION  
D. E. P., MEADVILLE REGIONAL OFFICE  
SLIPPERY ROCK WATERSHED COALITION

### PROJECT:

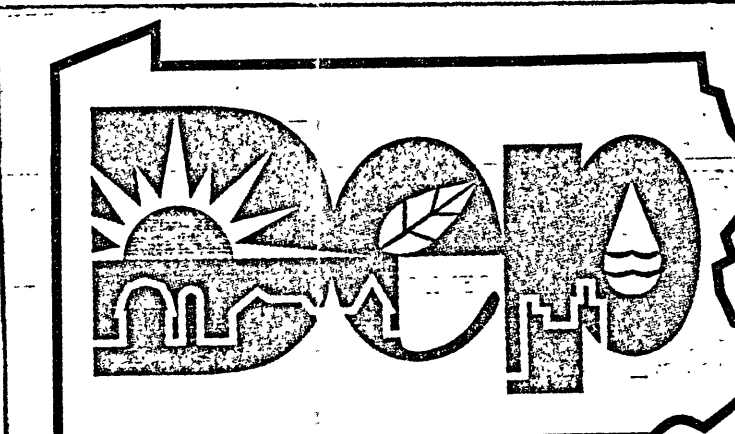
A.M.D. COLLECTION / TREATMENT SYSTEM  
Vertical Flow Wetland, Operation Scarlift Discharges SR 87 & SR 88  
PA STATE GAME LANDS NO. 95  
VENANGO TOWNSHIP, BUTLER COUNTY

Contracting / Accounting by Penn's Corner Charitable Trust  
Funded through: EPA 104 (b)(3) Grant

### COMMONWEALTH OF PENNSYLVANIA

PA COMPREHNSIVE MINE RECLAMATION STRATEGY  
SLIPPERY ROCK CREEK WATERSHED PROJECT

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
KNOX OFFICE - DISTRICT MINING OPERATIONS



Pennsylvania Department of  
Environmental Protection

### SIGNATURE / SEAL

*Douglas W. Caylor*  
Douglas W. Caylor, P.E.  
Mining Engineer 2

*Timothy Gillen*  
Timothy Gillen, P.G.  
Hydrogeologist 1

