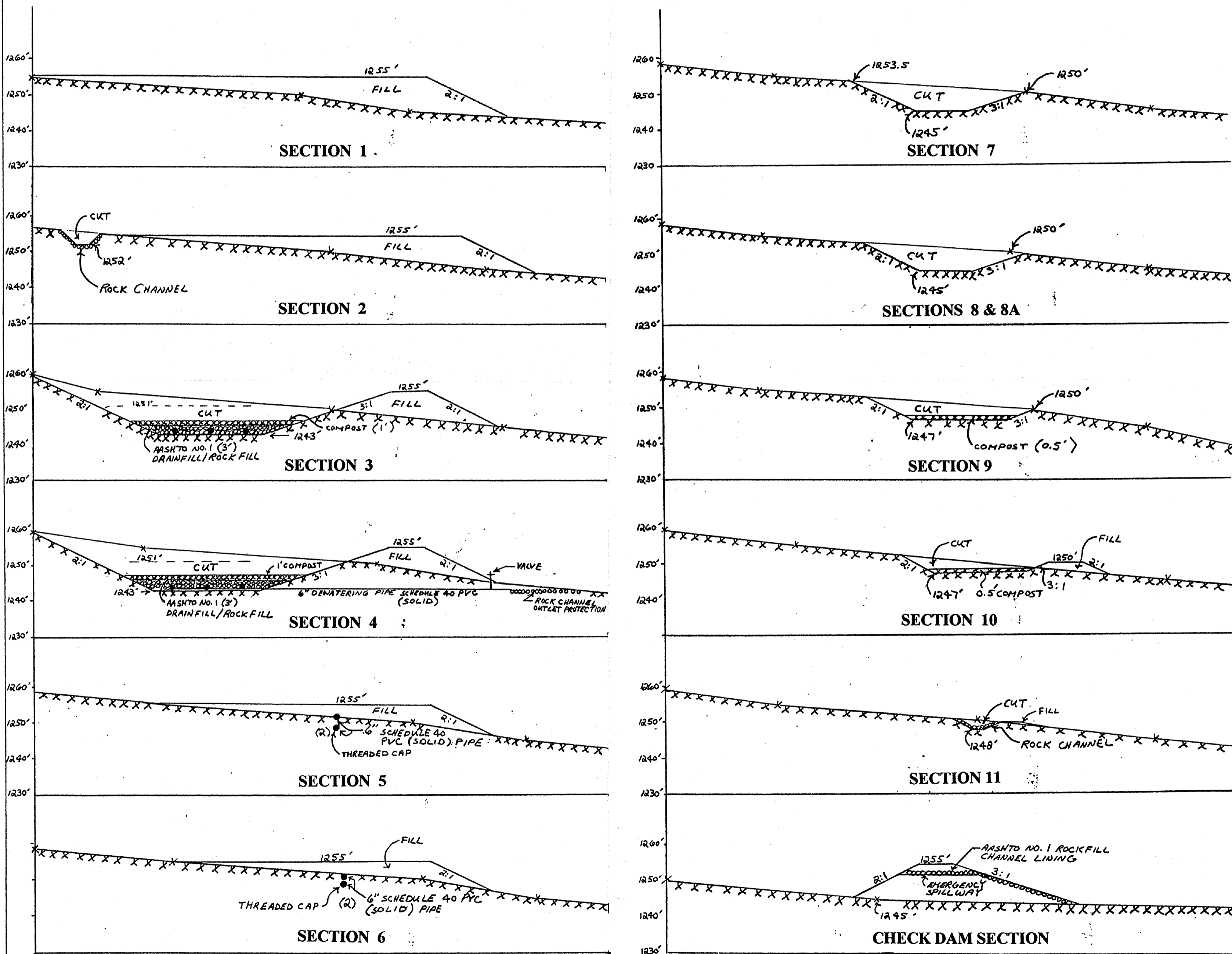


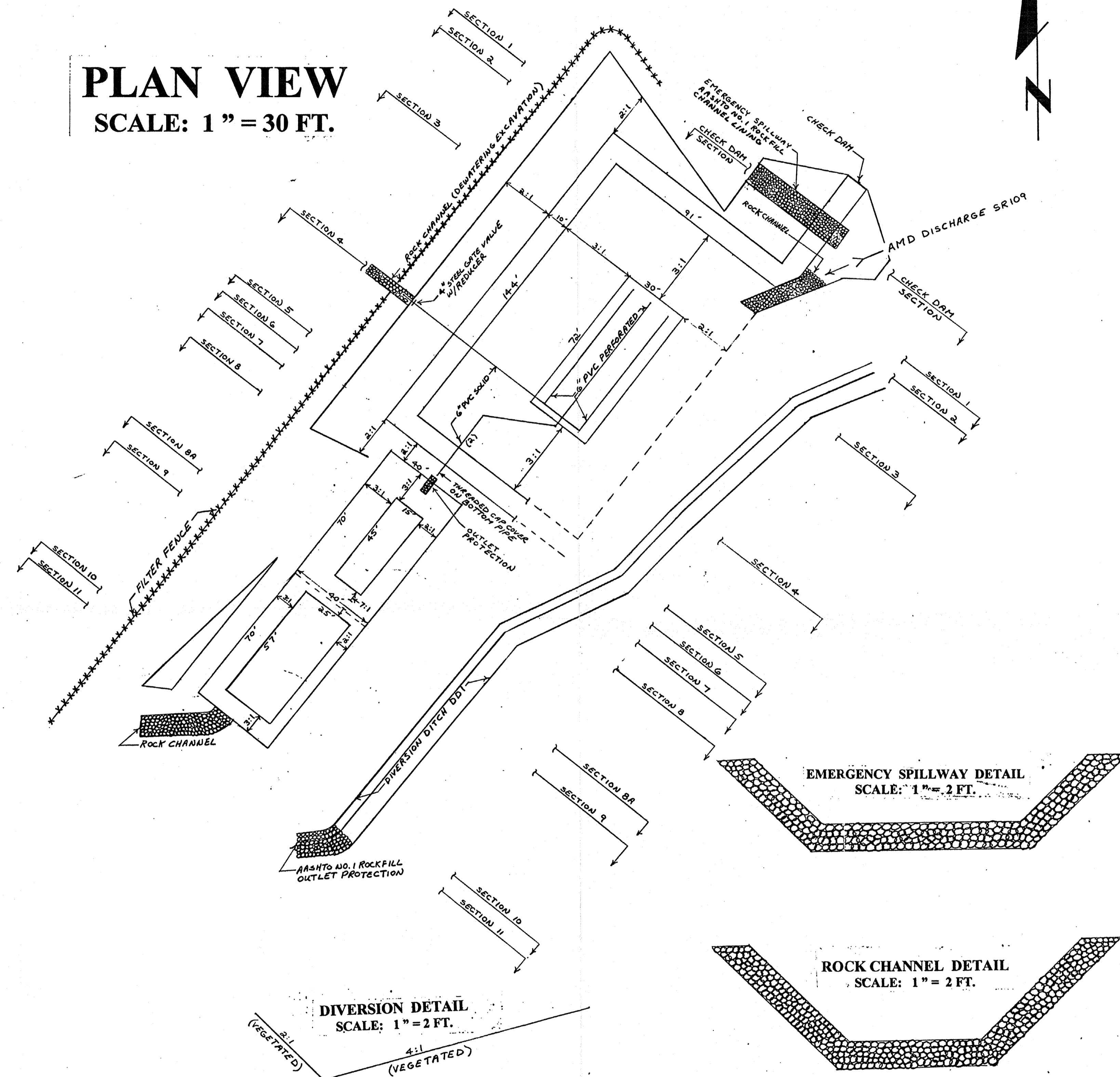
CROSS-SECTIONS

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



PLAN VIEW

SCALE: 1" = 30 FT.



EMERGENCY SPILLWAY DETAIL
SCALE: 1" = 2 FT.

ROCK CHANNEL DETAIL
SCALE: 1" = 2 FT.

DIVERSION DETAIL
SCALE: 1" = 2 FT.

PLAN VIEW, DETAILS, & CROSS - SECTIONS

SCALES: AS SHOWN DATE: 5/20/98

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:

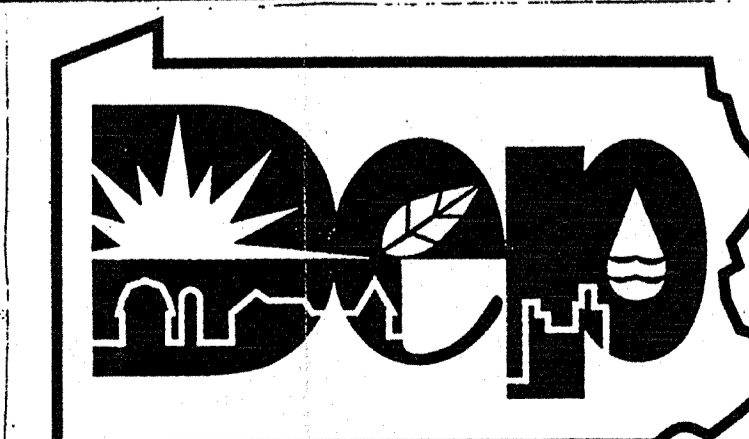
A.M.D. COLLECTION / TREATMENT SYSTEM
Operation Scarlift Discharge SR 109
PA STATE GAME LANDS NO. 95
WASHINGTON TOWNSHIP, BUTLER COUNTY

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

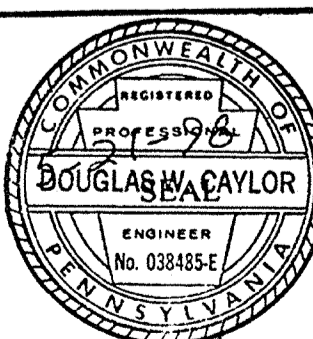
DEPARTMENT OF ENVIRONMENTAL PROTECTION
KNOX OFFICE - DISTRICT MINING OPERATIONS



Pennsylvania Department of
Environmental Protection

SIGNATURE / SEAL

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



Timothy Gillen 5-21-98
Timothy Gillen, P.G.
Hydrogeologist 1

