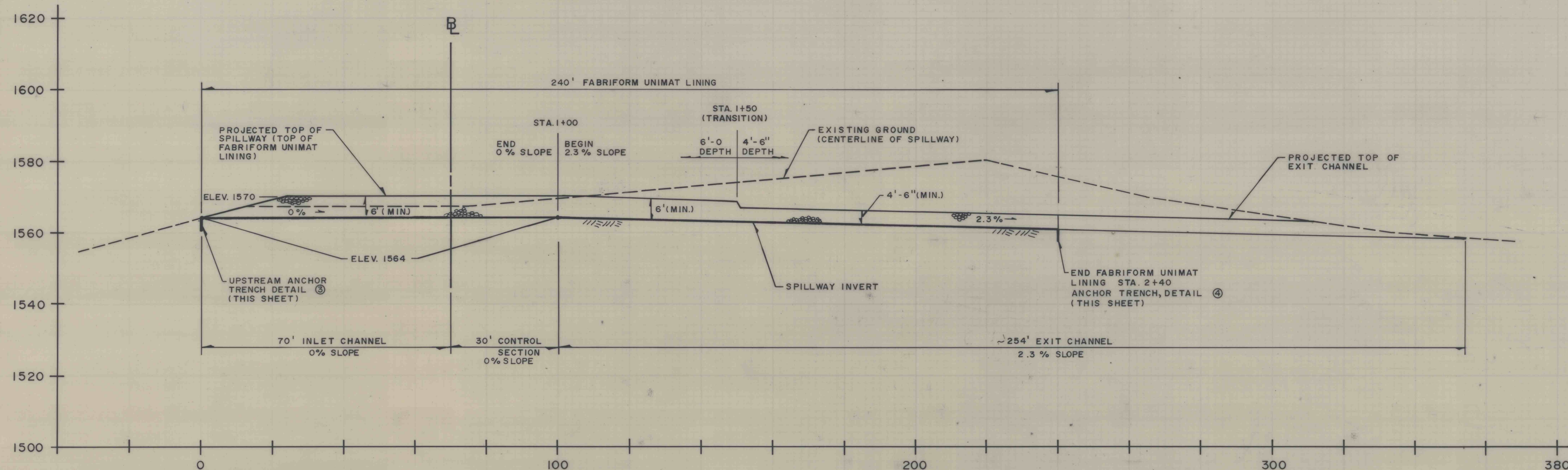
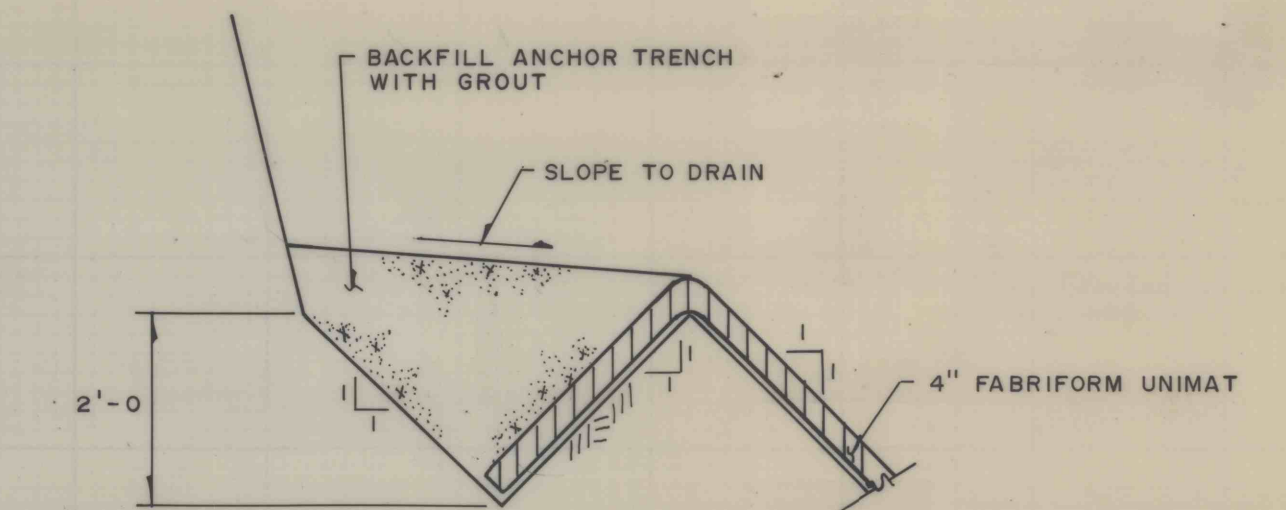
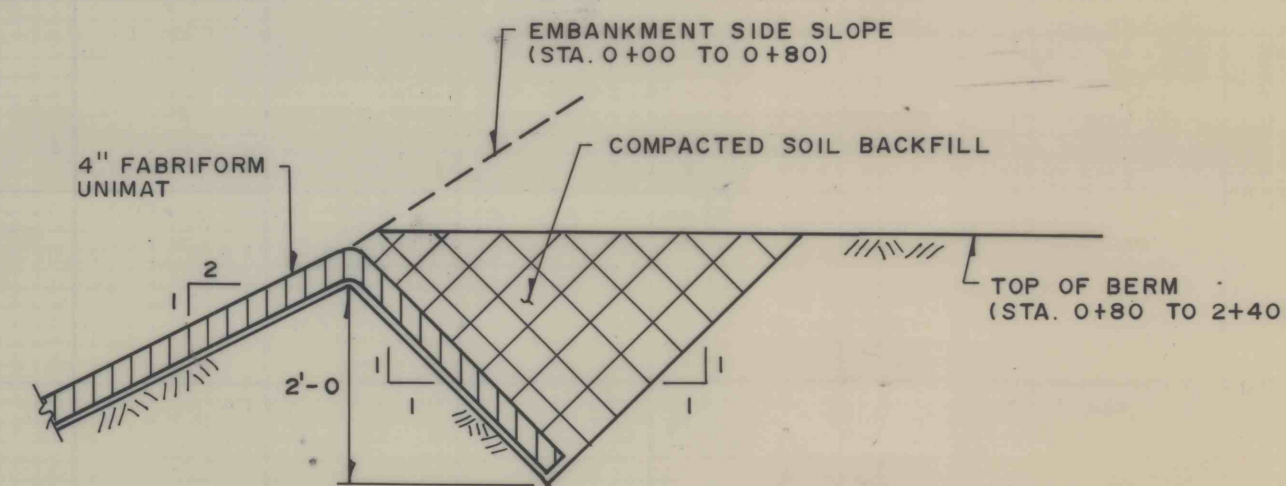




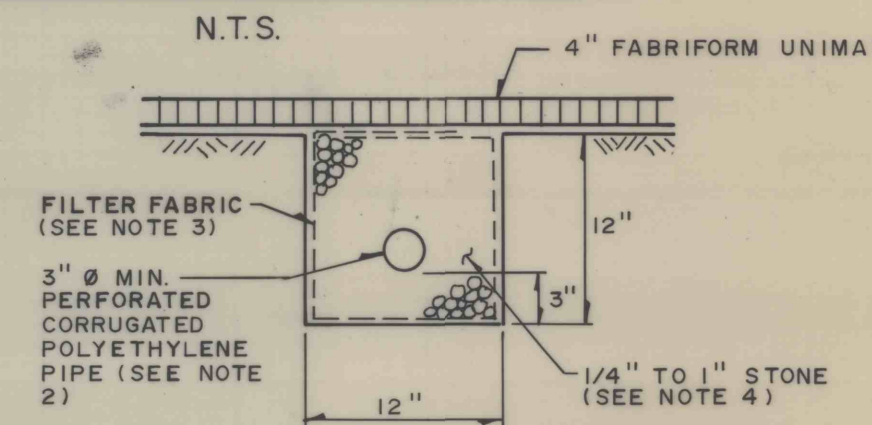
EMERGENCY SPILLWAY PROFILE
SCALE: 1" = 20'



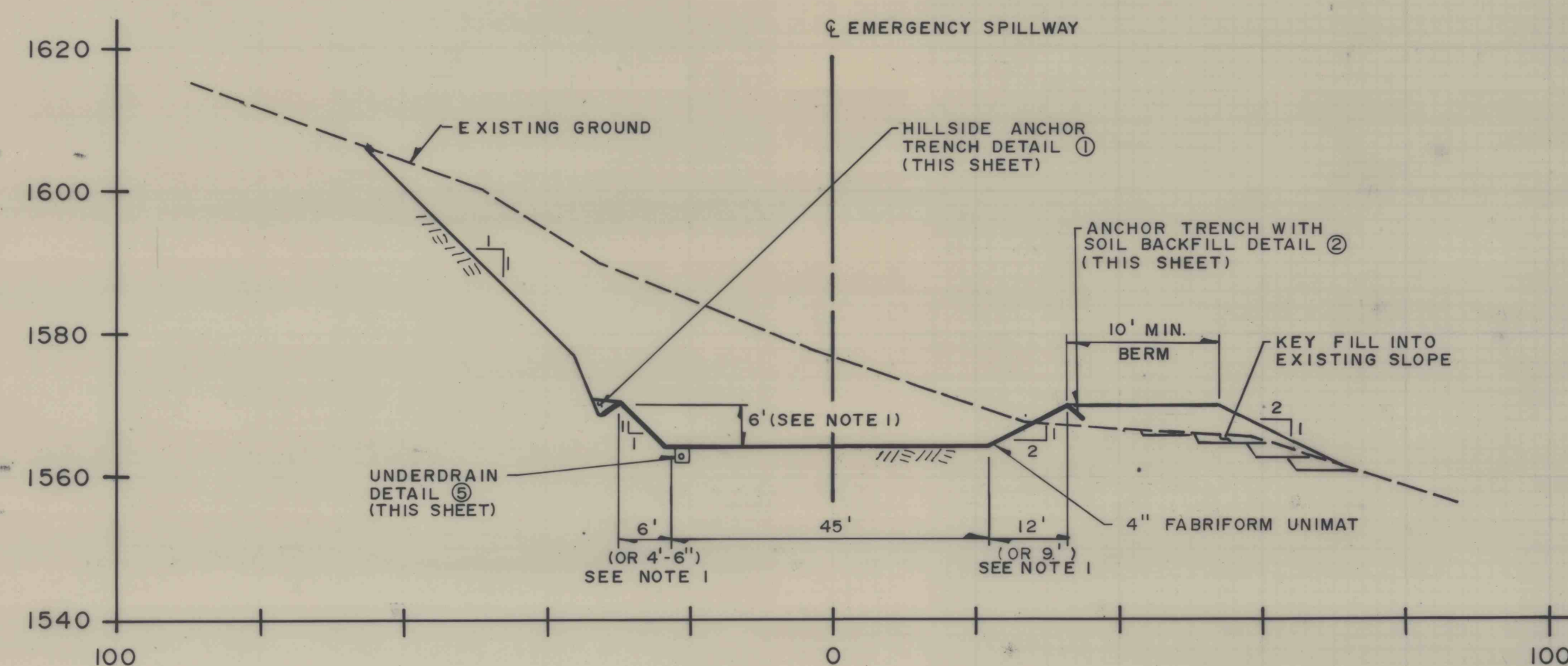
DETAIL 1
HILLSIDE ANCHOR TRENCH
N.T.S.



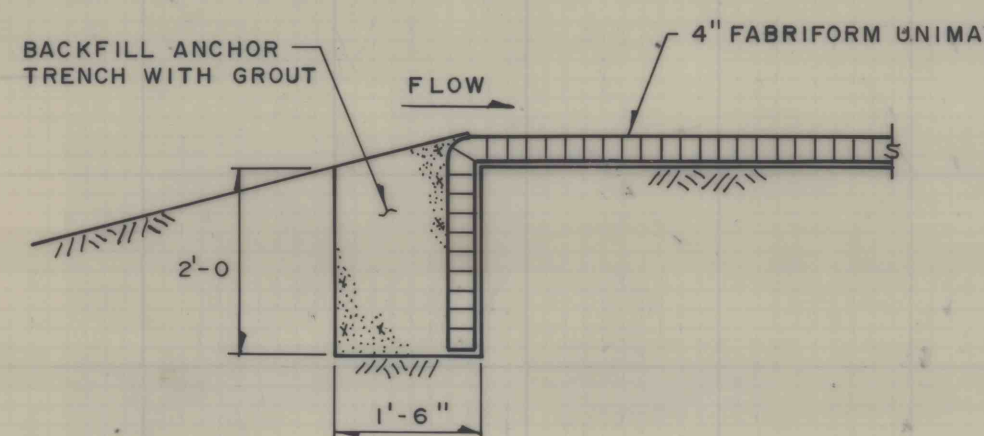
DETAIL 2
ANCHOR TRENCH WITH SOIL BACKFILL
DOWNHILL SIDE OF SPILLWAY
N.T.S.



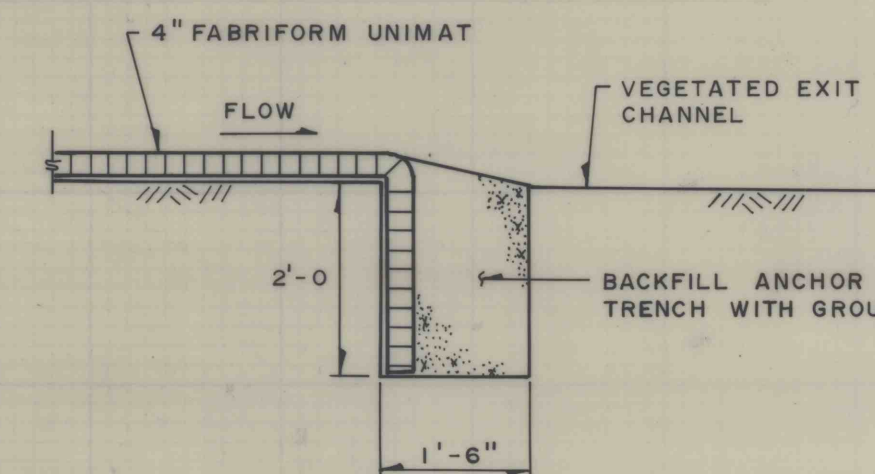
DETAIL 5
UNDERDRAIN
N.T.S.



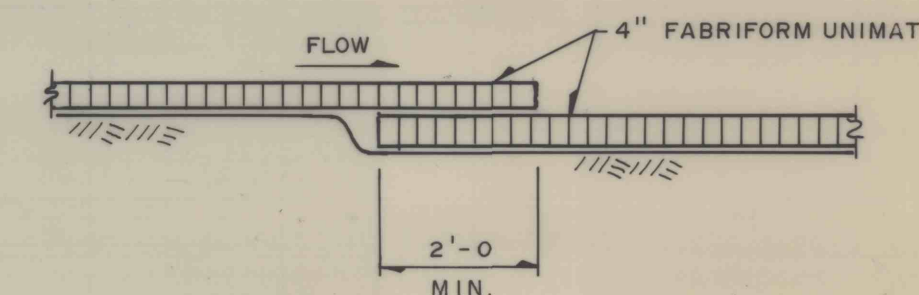
SECTION B-B
SCALE: 1" = 20'



DETAIL 3
UPSTREAM ANCHOR TRENCH
N.T.S.



DETAIL 4
DOWNSTREAM ANCHOR TRENCH
N.T.S.



FABRIFORM UNIMAT
OVERLAP DETAIL
(IF REQUIRED)
N.T.S.

Note:

- Depth of Emergency Spillway shall be 6 feet from Sta. 0+00 to Sta. 1+50. Depth may be reduced from 6 feet to 4.5 feet from Sta. 1+50 to end of exit channel.
- Three-inch diameter perforated corrugated polyethylene pipe shall meet the requirements of West Virginia Department of Highways Standard Specifications Section 714.19. Perforation size shall be compatible with the stone placed around the pipe for bedding.

- Filter fabric shall meet the requirements for a subsurface drainage fabric as contained in the West Virginia Department of Highways Standard Specifications Section 715.11.4. Fabric shall be installed in accordance with the manufacturer's recommendations.
- Stone for use in the underdrain shall be predominately 1/4-inch to 1-inch in size. Stone shall be durable limestone or sandstone.
- For guide specifications for Fabriform Unimat see attached guide specifications as prepared by manufacturer.



F. Barry Newman

gai
CONSULTANTS, INC.
Engineers • Geologists • Planners
Environmental Specialists
4715-C MacCorkle Avenue SE
Charleston, West Virginia 25304
304-925-7730

REVISED PROFILE AND CROSS SECTION TO INCLUDE FABRIFORM LINING, ADDED ANCHORING DETAILS, ADDED UNDERDRAIN DETAIL.

DESCRIPTION	NO.	DATE
1	9/20/90	

EMERGENCY SPILLWAY CROSS SECTION AND PROFILE
NORTH HOLLOW REFUSE IMPOUNDMENT
MINE 101 COAL PREPARATION PLANT
CENTURY, WEST VIRGINIA

gai
CONSULTANTS, INC.
Engineers • Geologists • Planners
Environmental Specialists
570 Beatty Rd. • Pittsburgh
Monroeville, Pa. 15146
412-856-6400

BETHENERGY MINES INC.
CHARLESTON, WEST VIRGINIA

DRAWN: SB	APPROVED: DMK
CHECKED: DMK	DATE: 1-11-90
SCALE: AS SHOWN	DRAWING NUMBER: 89-160-E3

