



**EARTHEN CHANNEL**

**TYPICAL CROSS SECTIONS**

No scale

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES

C33:3E

REYNOLDSVILLE  
FLOOD PROTECTION

**REYNOLDSVILLE FLOOD PROTECTION PROJECT, C33:3E**

**LOCATION:** Soldier Run, Reynoldsville Borough, Jefferson County

**QUADRANGLE:** Reynoldsville, **Latitude:** 41°05'30", **Longitude:** 78°53'00"

**SPONSOR:** Reynoldsville Borough

**PROJECT DESCRIPTION:** The project consisted essentially of realignment of approximately 2,700 feet of Soldier Run from about 400 feet upstream of Worth Street bridge to 500 feet beyond Eighth Street; construction of 2,135 feet of 10-foot high levee on the right bank of Soldier Run; and 1,106 feet of levee away from the stream ending at Dietz Alley.

In addition, the project included the construction of four ponding areas for temporary storage of interior runoff at times when Soldier Run is at flood stage; and the installation of two reinforced concrete pipe (RCP) pressure conduits, one at Eleventh Street and one at Tenth Street. Sandbag closure structures were provided at Worth Street, Bradford Street, and Tenth Street.

Contract No. C33:3-102.1 was bid on April 12, 1990, to rehabilitate the Tenth Street 36-inch RCP pressure conduit. Francis J. Palo, Inc., Clarion, Pa., was awarded the contract and completed the work on September 20, 1990, at a construction cost of \$50,358.28. The project consisted of repairing the concrete damaged by acid mine drainage and applying an epoxy coating to the bottom third of the pipe and the inlet and outlet structures.

**DESIGNER:** Department

**CONTRACT NO.:** C33:3E-101.1

**PERMIT NO.:** E33-19

**BID OPENING:** February 24, 1983

**CONTRACT AWARD:** March 18, 1983

**LOW BIDDER:** Delta Excavating and Trucking Co., Tyrone, Pa.

**PROJECT COMPLETED:** June 20, 1985

**CONSTRUCTION COST:** \$725,895.00

**DESIGN CRITERIA:**

Drainage Area:	12.6	SM
Design Discharge:	1,550	CFS
FIS 100-Year Discharge:	1,480	CFS

**QUANTITIES:**

28,270	C.Y.	Common Excavation
42,000	C.Y.	Rolled Embankment
5,000	S.Y.	12-Inch Riprap
510	L.F.	36-Inch Dia. RCP

Project turned over to sponsor for operation and maintenance on June 20, 1985.