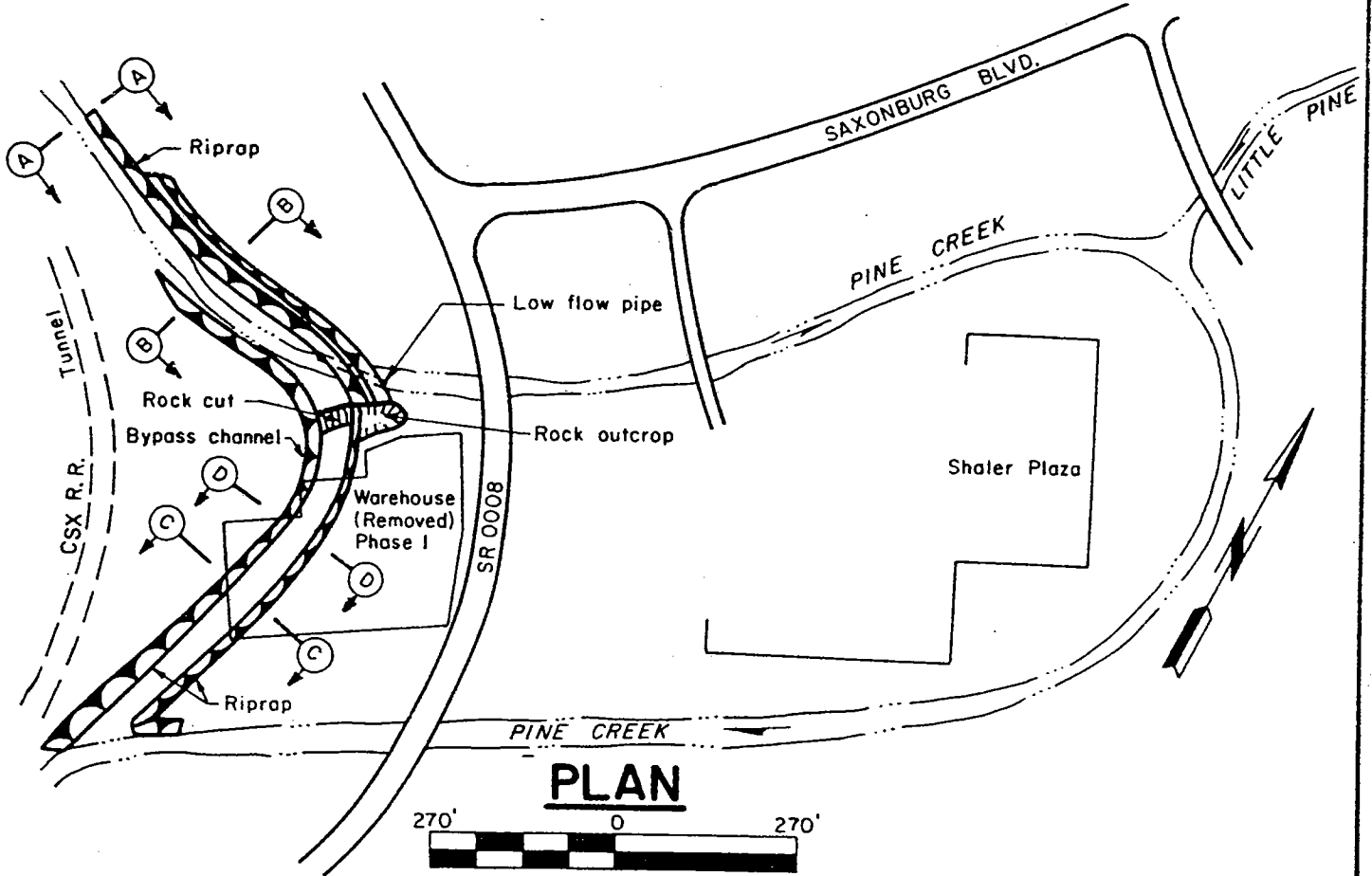
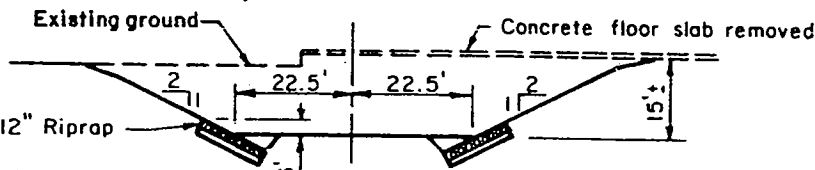
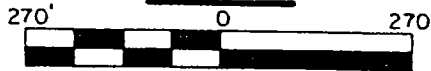


SHALER
TOWNSHIP,
* ALLEGHENY CO.

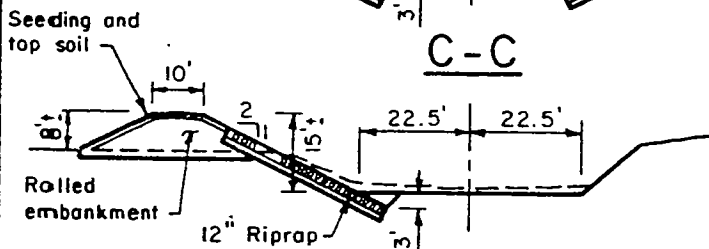
GENERAL
LOCATION MAP



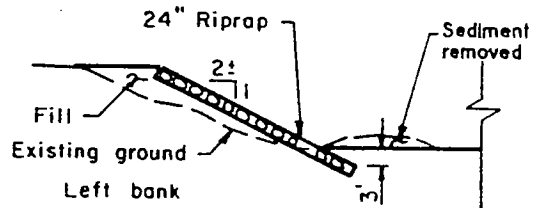
PLAN



C-C



B-B



D-D

PHASE 3 PROJECT

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

C2:6, D.G.S. 180-30

PINE CREEK

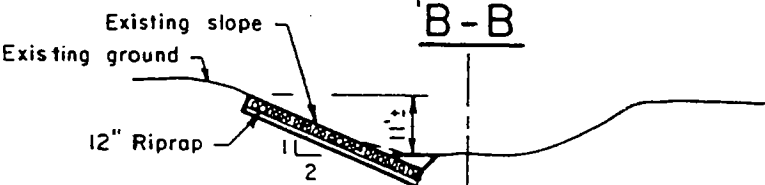
FLOOD CONTROL

PHASE 2 AND 3

PHASE 2 PROJECT
TYPICAL CROSS SECTIONS

No scale

A-A



PINE CREEK FLOOD CONTROL PROJECT, PHASE 2, C2:6, DGS 180-30

LOCATION: Pine Creek, Shaler Township, Allegheny County

QUADRANGLE: Glenshaw, **Latitude:** 40°30'30", **Longitude:** 80°57'00"

SPONSOR: Shaler Township

PROJECT DESCRIPTION: Phase 1 of the project consisted of the removal of a warehouse to allow for construction of the project. Phase 2 of the project consisted primarily of the construction of flood diversion channel and levee on the west side of PA Route 8 through land originally occupied by the Pittsburg Distributors Warehouse. An elevated cut through a rock outcrop separates the existing stream from the diversion channel. A levee extends along the existing stream and crosses the stream to tie to high ground at the rock outcrop. 12-inch riprap was placed along the levee and diversion channel. A 64-inch x 43-inch Corrugated Metal Pipe Arch (CMPA) allows low flows to pass through the levee and supply the original stream.

FEATURES	LENGTH (FT)	WIDTH (FT)	HEIGHT (FT)
Levee	550	10 (TOP)	3 - 14
Diversion Channel	630	45	16
1 on 2 Rock Cut	20	65	10
Low Flow Pipe	83		

DESIGNER: Green International, Inc., Sewickley, Pa.

CONTRACT NO.: DGS 180-30, Phase 2

PERMIT NO: E02-139

BID OPENING: July 11, 1985

CONTRACT AWARD: August 29, 1985

LOW BIDDER: Allison Park Landscape Contractors, Inc., Allison Park, Pa.

PROJECT COMPLETED : May 29, 1986

CONSTRUCTION COST: \$542,586.54

DESIGN CRITERIA:

Drainage Area:	53.5	SM
Design Discharge:	6510	CFS
FIS 100-year Discharge:	6510	CFS

QUANTITIES:

26,300	C.Y.	Common Excavation
5,870	C.Y.	Rock Excavation
4,500	S.Y.	Riprap
4,450	C.Y.	Rolled Embankment
83	L.F.	CMPA

Project turned over to sponsor for operation and maintenance on May 29, 1986.