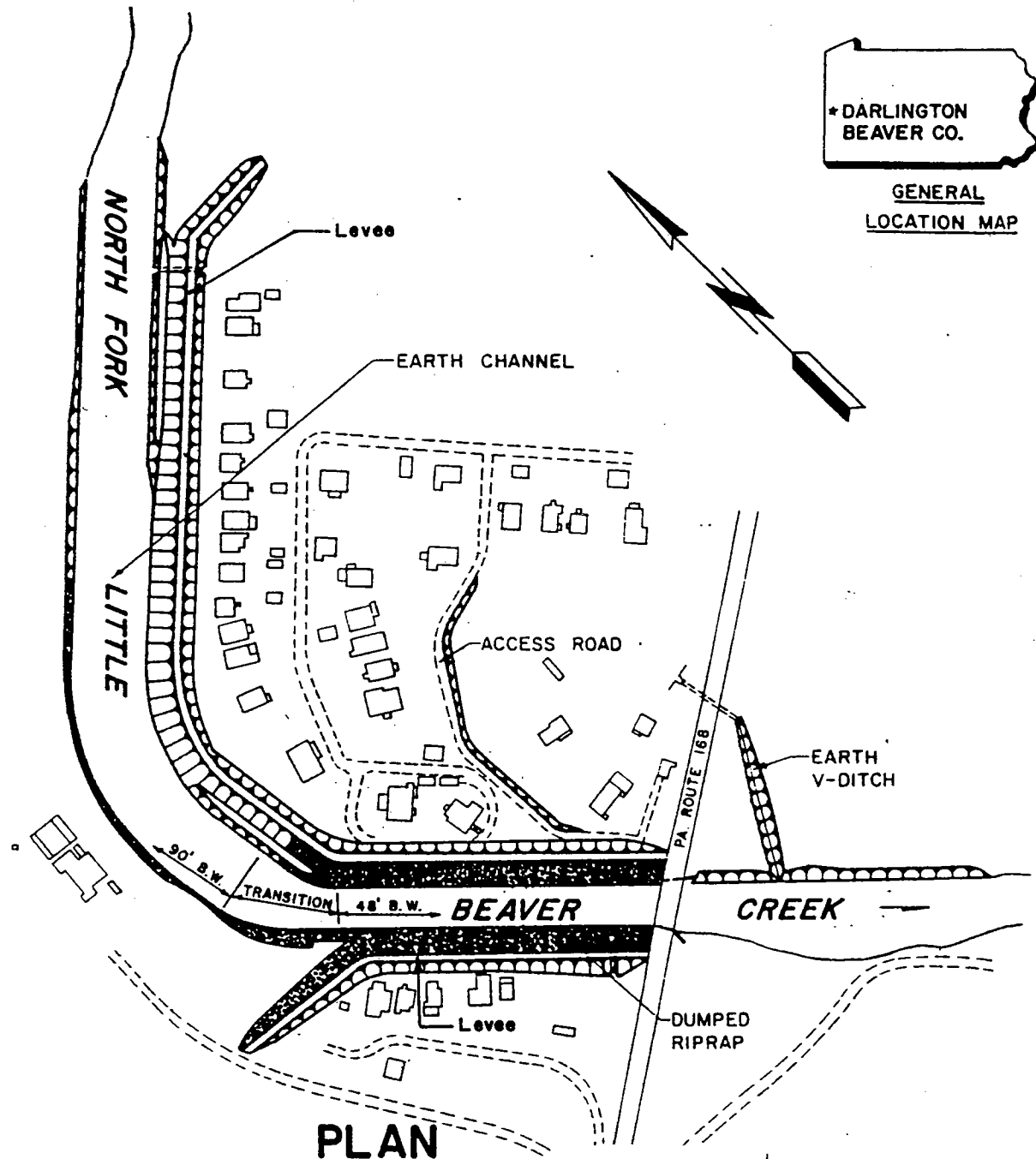
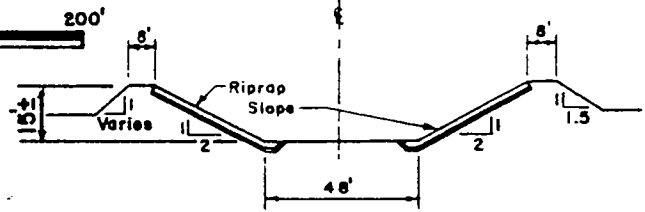


★ DARLINGTON
BEAVER CO.

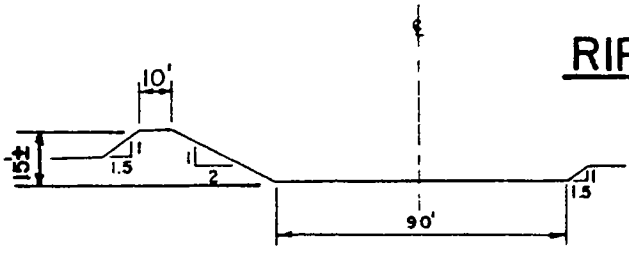
GENERAL
LOCATION MAP



PLAN



RIPRAP CHANNEL AND LEVEE



EARTH CHANNEL AND LEVEE
TYPICAL SECTIONS

No scale

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

C4:1

DARLINGTON
FLOOD PROTECTION

DARLINGTON FLOOD PROTECTION PROJECT, C4:1

LOCATION: North Fork Little Beaver Creek, Darlington Township,
Beaver County

QUADRANGLE: New Galilee, **Latitude:** 40°49'00", **Longitude:** 80°25'00"

SPONSOR: Beaver County

PROJECT DESCRIPTION: The project consisted of the construction of an earth levee along the left bank, beginning at the PA Route 168 Highway Bridge and tying into high ground 1,350 feet upstream; and channel widening and dredging, beginning 400 feet downstream of the PA Route 168 Highway Bridge and continuing upstream a distance of 1,900 feet. Rock riprap slope protection is provided on both levee slopes for a distance of 500 feet upstream of the bridge and along the right channel bank for a distance of 1000 feet upstream of the bridge. Two drainage structures extend through the levees and one structure through the highway embankment to provide drainage for interior runoff.

DESIGNER: Department

CONTRACT NO.: C4:1-101.1

PERMIT NO.: 12802

BID OPENING: June 10, 1960

CONTRACT AWARD: June 17, 1960

LOW BIDDER: Roland G. Tiracorda, Madera, Pa.

PROJECT COMPLETED: July 6, 1961

CONSTRUCTION COST: \$82,109.68

DESIGN CRITERIA:

Drainage Area:	79	SM
Design Discharge:	6,000	CFS
Freeboard:	3	FT
Channel Width:	48 to 90	FT
Levees:		
Stream Slope	1V to 2H	
Land Slope	1V to 1.5H	
Height	7-10	FT
Top Width	8 or 10	FT

QUANTITIES:

37,700	C.Y.	Excavation (All Types)
19,000	C.Y.	Rolled Embankment
5,000	S.Y.	Dumped Riprap
40	C.Y.	Concrete
2	AC.	Seeding
3	EA.	Drainage Structure
2	EA.	Sluice Gates

Project turned over to sponsor for operation and maintenance on August 4, 1961.