

LOWER WOONSOCKET, RHODE ISLAND
BLACKSTONE RIVER BASIN FLOOD CONTROL PROJECT

Condition of Improvement, 30 September 1984

TYPE: Local Flood Protection - structural

LOCATION: On the Blackstone River and tributary Mill and Peters Rivers in the city of Woonsocket, Providence County, Rhode Island.

AUTHORIZATION: Authorized by the Congress on 14 July 1960 through the Flood Control Act of 1960.

PROTECTED AREA: Operated in conjunction with West Hill Reservoir (Map No. M37) the project provides protection to industrial and commercial establishments and congested residential developments from flood flows on the Blackstone, Mill and Peters Rivers.

PROJECT FEATURES: Social District Unit - 2,960 feet of earth dike and concrete floodwall. River channel excavated for about 600 feet adjacent to dike and floodwall. Improvement to 1,700 feet of Mill River channel supplemented by construction of 3,010 feet of earth dike and concrete floodwall and 1,150 feet of twin-barreled pressure conduit. On Peters River are: 400 feet of channel improvement, 1,020 feet of earth dike and concrete floodwall and 1,180 feet of pressure conduit. A pumping station with a capacity of 119,400 gallons per minute is provided for interior drainage. The project design flow is the Standard Project Flood which varies from 33,000 to 40,000 cfs along the Blackstone River the design floods on Mill River and Peters River are 8,500 cfs and 3,200 cfs, respectively.

Hamlet District Unit - consists of removal of Hamlet Dam, 2,000 feet of channel improvement, and 3,100 feet of earth dike and concrete floodwall. A pumping station with a capacity of 58,800 gallons per minute is provided for interior drainage.

Bernon Unit - provided for removal of Bernon Dam and excavation of 250 feet of Blackstone River.

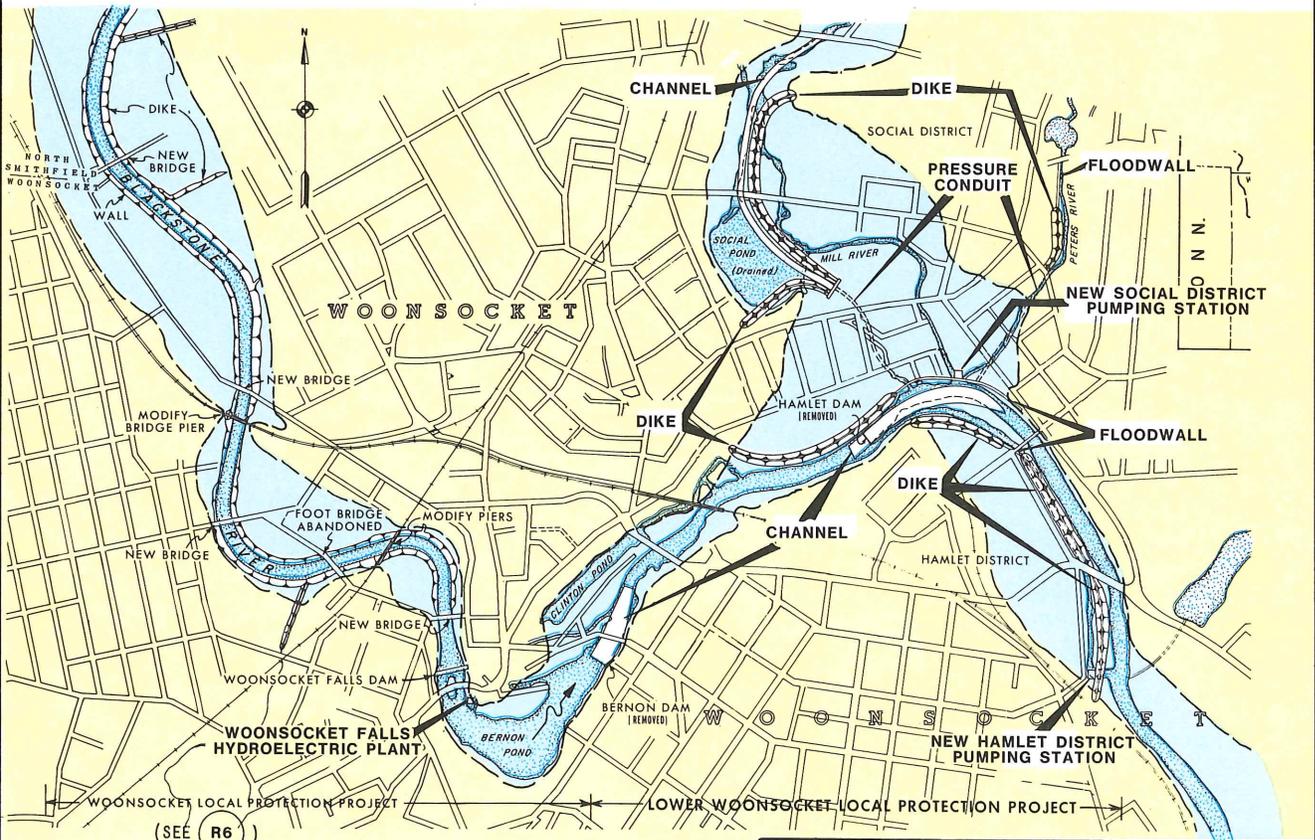
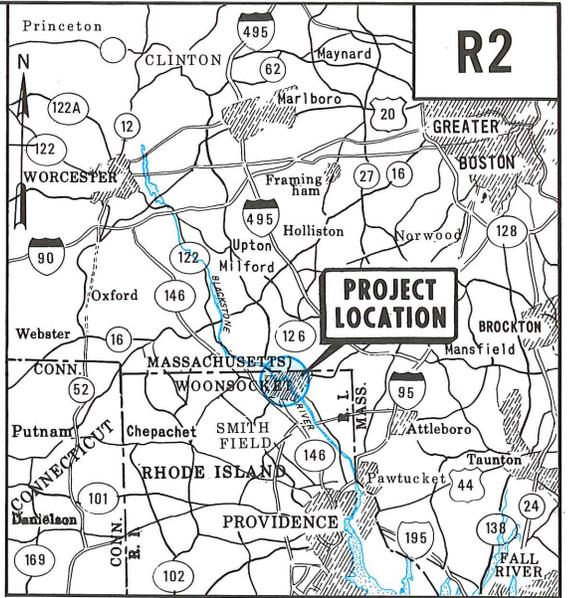
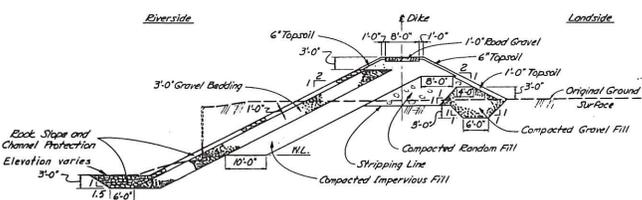
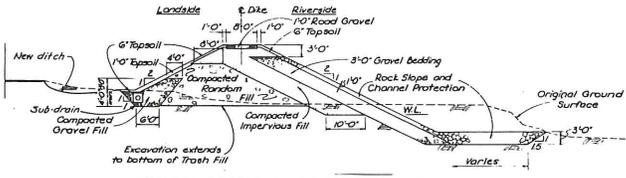
LOCAL COOPERATION: Operated and maintained by the city of Woonsocket, Rhode Island.

PROGRESS OF WORK:

construction started:	December 1963
construction completed:	April 1967

COST OF CONSTRUCTION:

Federal:	
construction:	\$6,600,681
Non-Federal:	
lands and damages:	435,000
cash contribution:	<u>1,266,638</u>
TOTAL	\$8,302,319



LEGEND

○ APPROXIMATE LIMITS OF AUGUST 1955 FLOOD

BLACKSTONE RIVER FLOOD CONTROL

LOWER WOODSOKET LOCAL PROTECTION PROJECT

PROJECT PLAN

BLACKSTONE, MILL & PETERS RIVERS, RHODE ISLAND

30 SEPTEMBER 1984

SCALE IN FEET
300 0 300 600 900 1200

DEPARTMENT OF THE ARMY
NEW ENGLAND DIVISION, CORPS OF ENGINEERS
WALTHAM, MASS.