

WORCESTER DIVERSION, MASSACHUSETTS
BLACKSTONE RIVER BASIN FLOOD CONTROL PROJECT

Condition of Improvement, 30 September 1984

TYPE: Local Flood Protection - structural

LOCATION: Located in the towns of Auburn and Millbury, Worcester County, the project extends from Leesville Pond, 1 mile southwest of the city of Worcester, to a point on the Blackstone River 1 mile southeast of the city.

AUTHORIZATION: Authorized by the Congress on 22 December 1944 through the Flood Control Act of 1944.

PROTECTED AREA: Operation of the Worcester Diversion effects significant reductions of flood flows through the city of Worcester where heavy flood losses have occurred to industrial, commercial, residential and public property.

PROJECT FEATURES: Provides for construction of a control dam across Leesville Pond and an uncontrolled intake structure containing a diversion weir and transition; a 4,205-foot diversion tunnel of circular concrete 16 feet in diameter connects with a 11,300-foot open channel to the Blackstone River. Included in the project are construction of a railroad bridge, three highway bridges across the diversion channel and alterations to a petroleum pipeline, a gas transmission pipeline and a water main which cross the channel. The project design flood is 6,000 cfs.

LOCAL COOPERATION: Operated and maintained by the city of Worcester, Massachusetts.

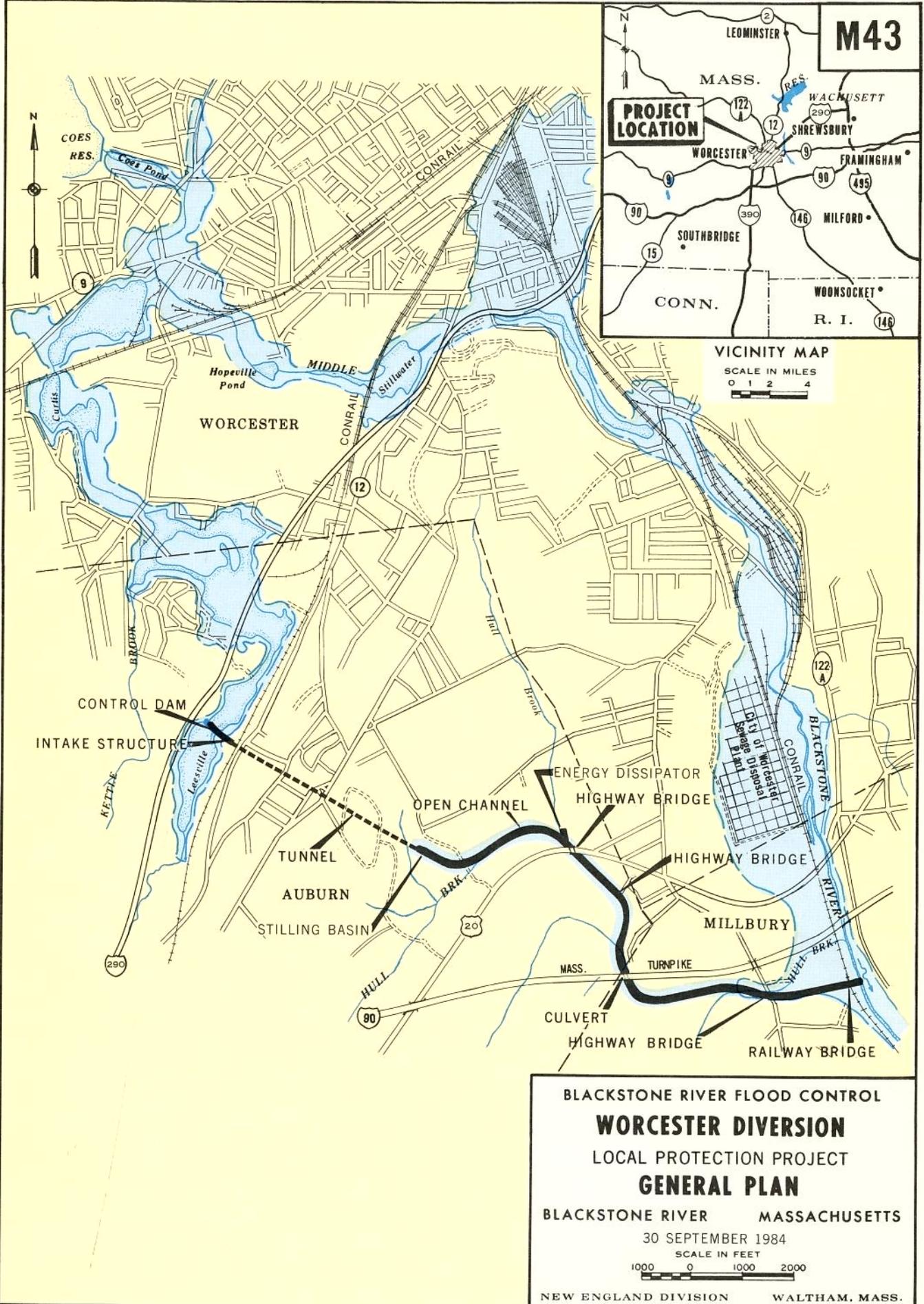
PROGRESS OF WORK:

construction started:	July 1957
construction completed:	January 1960

COST OF CONSTRUCTION:

Federal:	\$5,086,895
Non-Federal:	<u>79,300</u>
TOTAL	\$5,166,195

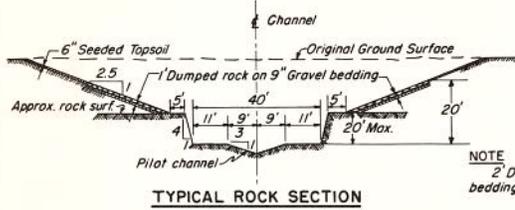
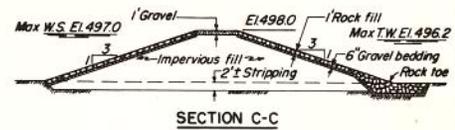
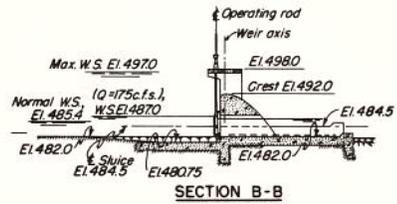
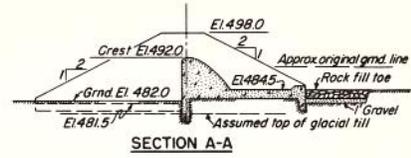
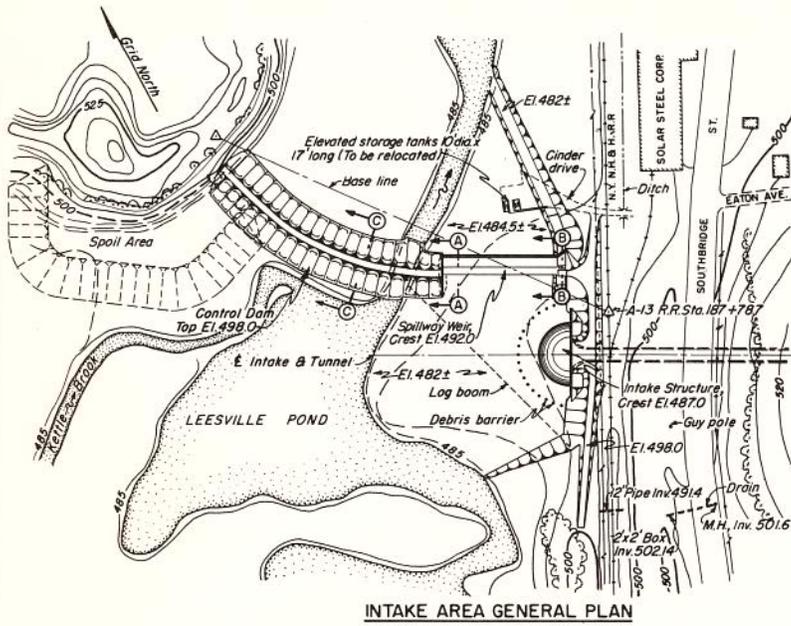
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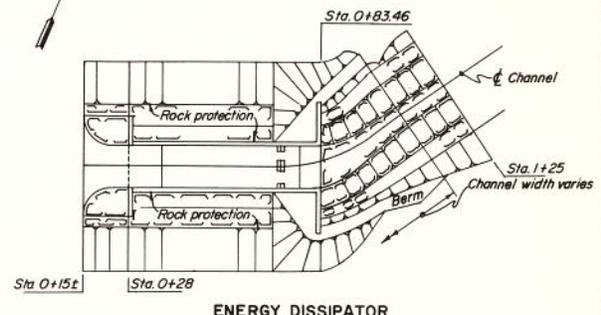
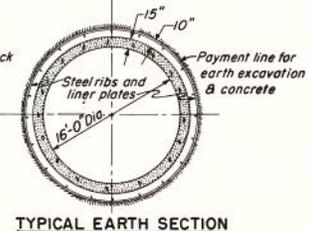
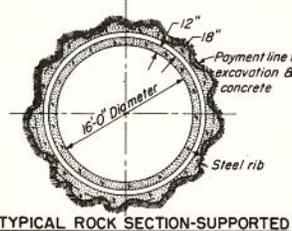
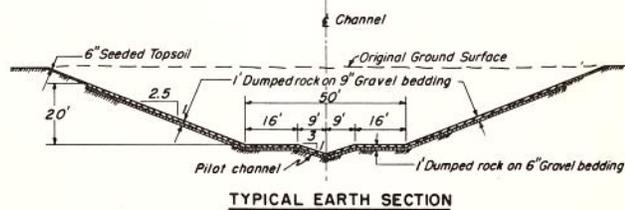
VICINITY MAP
SCALE IN MILES
0 1 2 4

BLACKSTONE RIVER FLOOD CONTROL
WORCESTER DIVERSION
 LOCAL PROTECTION PROJECT
GENERAL PLAN
 BLACKSTONE RIVER MASSACHUSETTS
 30 SEPTEMBER 1984
 SCALE IN FEET
 1000 0 1000 2000
 NEW ENGLAND DIVISION WALTHAM, MASS.

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NOTE
2' Dumped rock on 12" Gravel bedding in vicinity of bridge crossing.



BLACKSTONE RIVER BASIN
WORCESTER DIVERSION
 LOCAL PROTECTION PROJECT
 PLAN & SECTIONS
 30 SEPTEMBER 1976