

WEST SPRINGFIELD, MASSACHUSETTS
CONNECTICUT RIVER BASIN FLOOD CONTROL PROJECT

Condition of Improvement, 30 September 1984

TYPE: Local Flood Protection - structural

LOCATION: The project is located on the west bank of the Connecticut River 76 miles above its mouth in the town of West Springfield, Hampden County, Massachusetts.

AUTHORIZATION: Authorized by the Congress on 28 June 1938 through the Flood Control Act of 1938, amended by the Act of 1941. Modification to project was authorized by the Chief of Engineers on 5 October 1982 through Section 205 of the 1948 Flood Control Act.

PROTECTED AREA: The project protects 1,025 acres of important industrial, commercial, public and residential areas in the town of West Springfield.

PROJECT FEATURES: Provides for raising 13,700 feet of existing levee, constructing 2,300 feet of floodwall, improving 2,500 feet of riverbank, treating 6,100 feet of existing levee foundations, and construction of 3 pumping stations with appurtenant drainage facilities. The modifications authorized in October 1982 include the raising of concrete floodwalls by one-foot and implementation of a flood forecasting system. The original project design flood was 230,000 cfs.

LOCAL COOPERATION: Structural features of the project are operated and maintained by the town of West Springfield. For the modifications authorized in 1982 must provide without cost to the United States all lands, easements and rights-of-way necessary for project construction; maintain and operate the project upon completion; provide a cash contribution of 20 percent of the total first cost of flood forecast equipment, an amount currently estimated at \$10,000; and insure an adequate evacuation plan through public education, testing and updating as required.

PROGRESS OF WORK:

construction started:	March 1939
construction completed:	July 1942

(Foundation treatment - started May 1947 and completed November 1947. Relief well and drainage system - started August 1952 and completed July 1953. Foundation treatment along the Westfield River which was completed in 1948 and a relief well and drainage system which was completed in July 1953. Modification to floodwalls was initiated in April 1984 and completed in September 1984, flood forecasting and warning system is scheduled for completion in fall of 1985)

COST OF CONSTRUCTION:

Original Project

Federal:	\$1,579,000 *
Non-Federal:	<u>0</u>
TOTAL	\$1,579,000

Includes \$245,000 Public Works Administration funds

Modification Project - Estimated

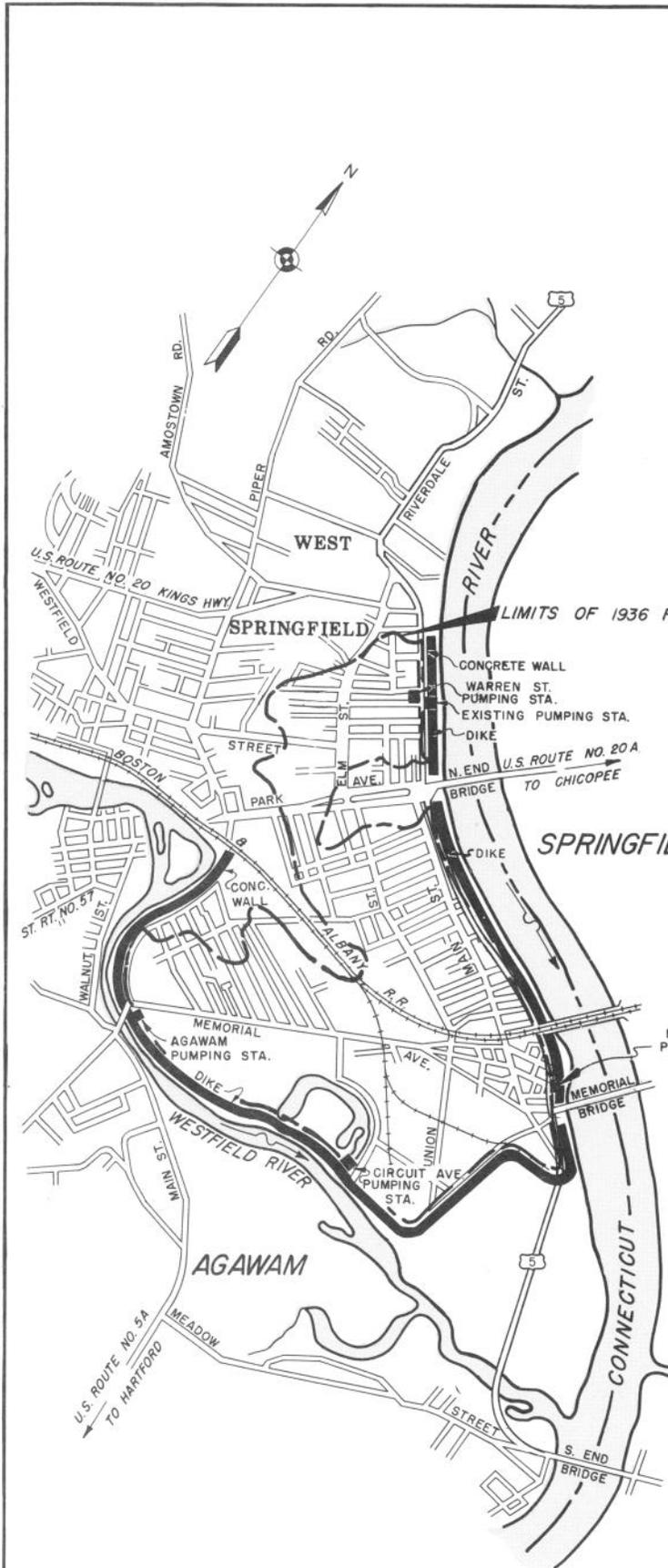
Federal:	\$ 170,000
Non-Federal:	<u>10,000</u>
TOTAL	\$ 180,000

M38



VICINITY MAP

SCALE IN MILES



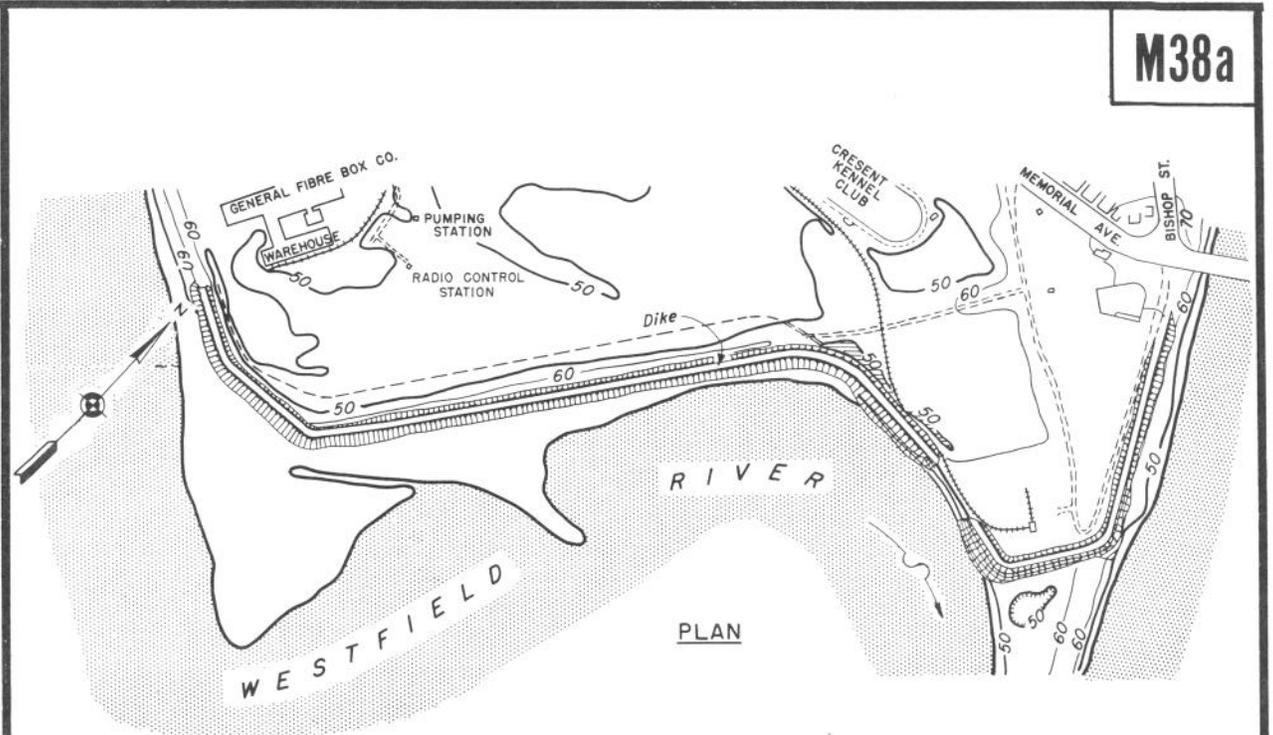
CONNECTICUT RIVER FLOOD CONTROL
WEST SPRINGFIELD, MASS.
 LOCAL PROTECTION PROJECT
GENERAL PLAN
 CONNECTICUT & WESTFIELD RIVERS MASS.

30 SEPTEMBER 1984

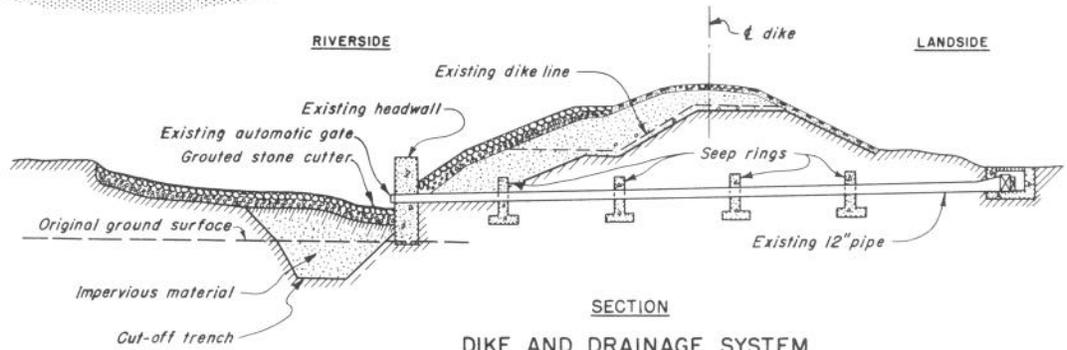
SCALE IN FEET



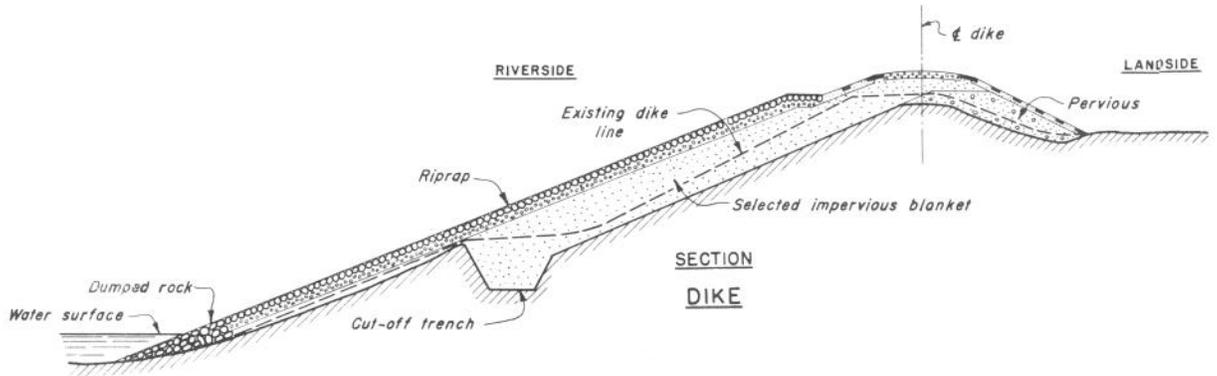
M38a



PLAN



SECTION
DIKE AND DRAINAGE SYSTEM



SECTION
DIKE

CONNECTICUT RIVER FLOOD CONTROL

**WEST SPRINGFIELD, MASS.
LOCAL PROTECTION PROJECT**

PLAN & SECTIONS

30 SEPTEMBER 1976

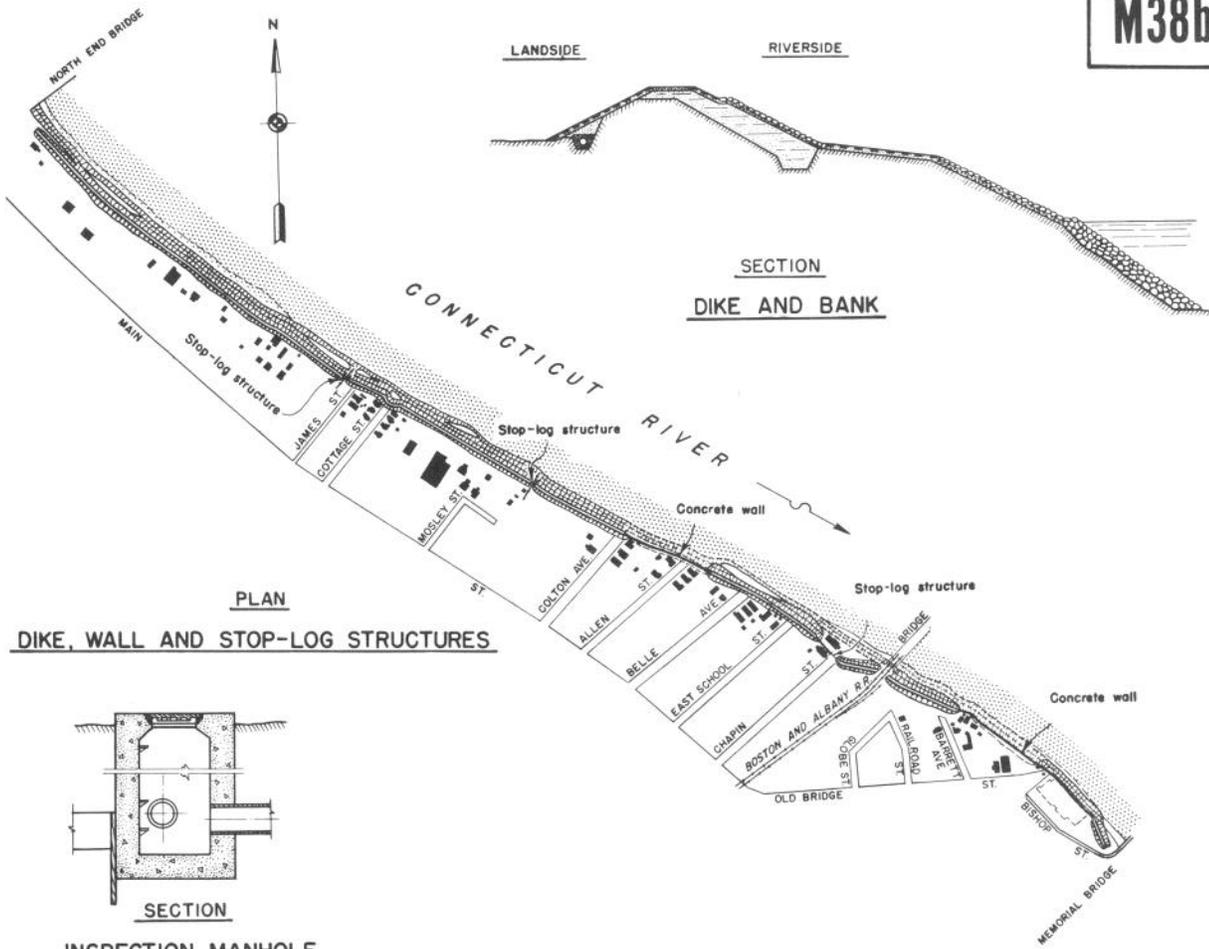
CONNECTICUT & WESTFIELD RIVERS MASSACHUSETTS

NOT TO SCALE

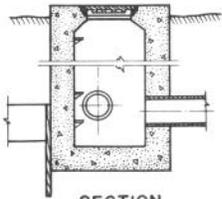
New England Division

Waltham, Mass.

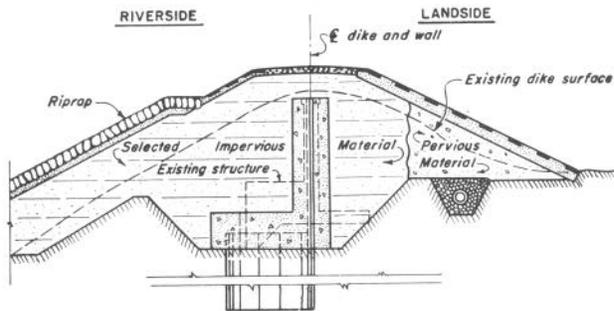
M38b



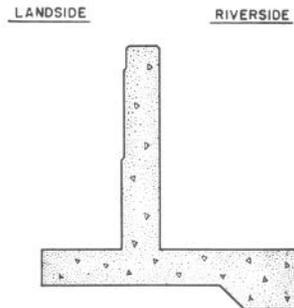
PLAN
DIKE, WALL AND STOP-LOG STRUCTURES



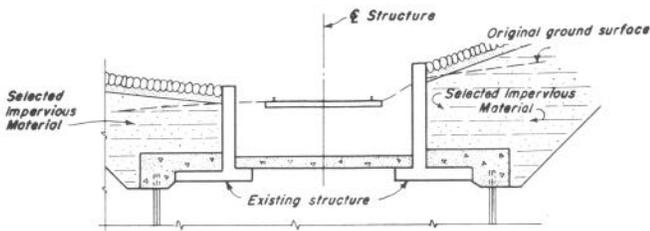
SECTION
INSPECTION MANHOLE



SECTION
DIKE-WALL CONNECTION



SECTION
CONCRETE WALL



SECTION
STOP-LOG STRUCTURE

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PLAN & SECTIONS

CONNECTICUT RIVER MASSACHUSETTS

30 SEPTEMBER 1976

NOT TO SCALE

New England Division

Waltham, Mass.