

HARTFORD, CONNECTICUT
CONNECTICUT RIVER BASIN FLOOD CONTROL PROJECT

Condition of Improvement, 30 September 1984

TYPE: Local Flood Protection - structural

LOCATION: In the city of Hartford, Hartford County, along Connecticut River, about 52 miles above its mouth with works along Park River and Gully and Folly Brooks.

AUTHORIZATION: Authorized by the Congress on 28 Jun 1938 through the Flood Control Act of 1938 as modified by the Acts of 1941, 1942, and 1950.

PROTECTED AREA: The project provides flood protection to 2,800 acres of highly developed commercial, industrial and residential areas in the capital city of Hartford. Additions to this project may be found under Folly Brook, Wethersfield (Map C10) and Park River, Hartford (Map C22).

PROJECT FEATURES: The project consists of a system of levees and floodwalls approximately 38,000 feet long, and appurtenant structures, including a conduit for Park River and pumping stations. This work includes approximately 4,000 feet of concrete floodwall, 22,000 feet of levee and an enlargement of 12,000 feet of existing levee along the Connecticut River. Also, 5,600 feet of concrete conduit was constructed on Park River, 2,400 feet of conduit on Gully Brook and 1,900 feet of conduit on Folly Brook. Five stoplog structures and three pumping stations and other appurtenant drainage structures and facilities were included.

At the request of the city of Hartford wall and levee grades were raised 5 to 6 feet over design grade. This and other modifications were financed by the city. Project design flood is 360,000 cfs for the Connecticut River protection and 18,000 cfs for the Park River protection.

LOCAL COOPERATION: Operated and maintained by the city of Hartford, Connecticut

PROGRESS OF WORK:

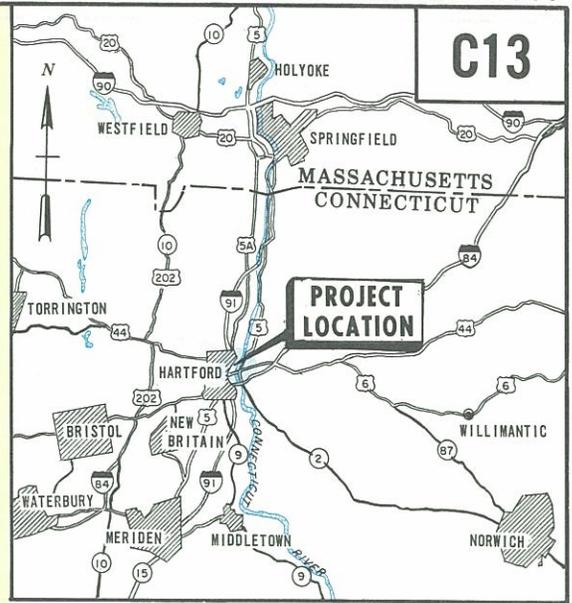
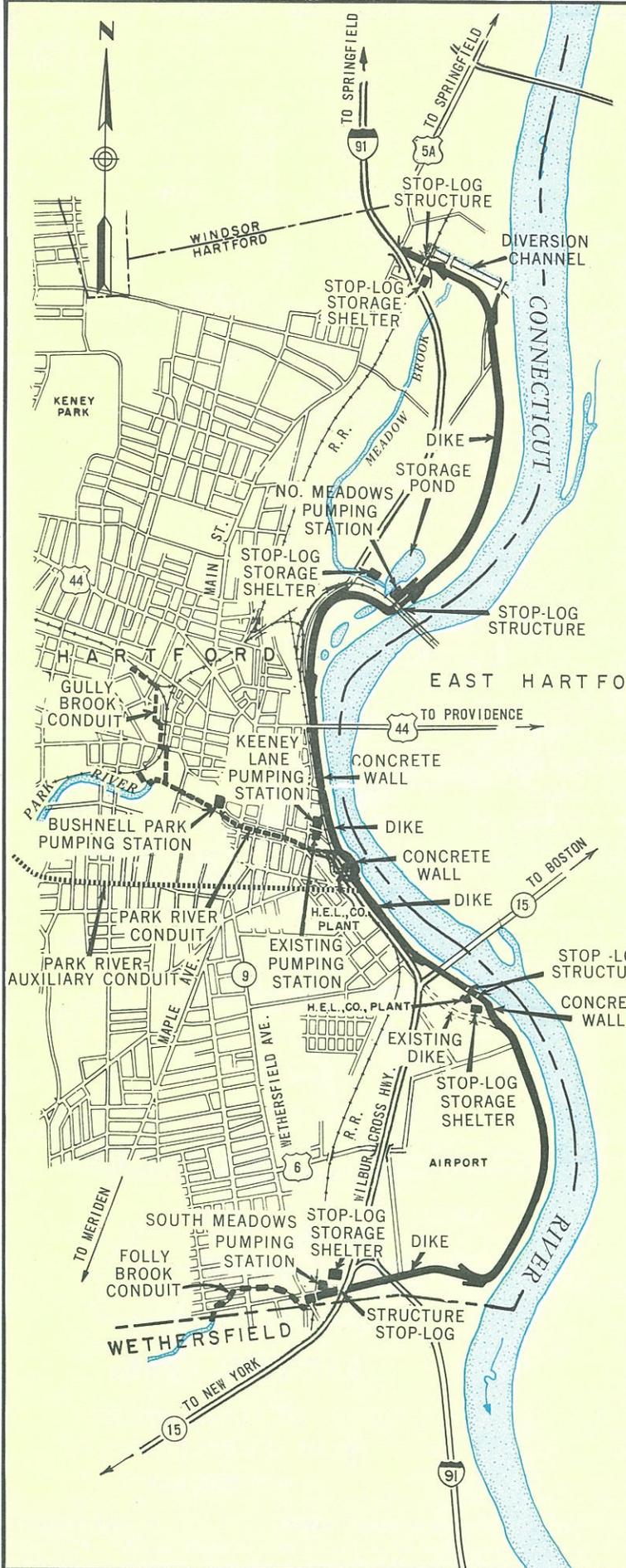
construction started: December 1938
construction completed: April 1958

(construction of Folly Brook dike and conduit started in February 1956 and completed in May 1957. Construction of the South End dike and stoplog structure started in February 1956 and completed in April 1958)

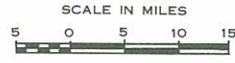
COST OF CONSTRUCTION:

Federal:	\$ 6,929,100 *
Non-Federal:	
contributed funds:	<u>2,781,100</u>
TOTAL	\$ 9,710,200

* includes \$385,000 Public Works Administration funds



VICINITY MAP

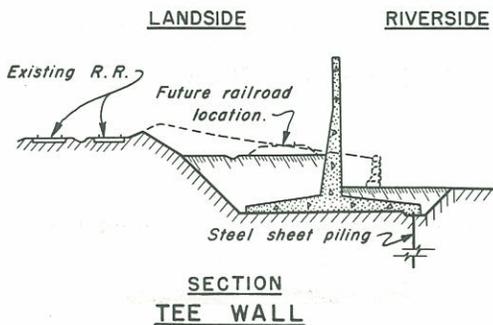
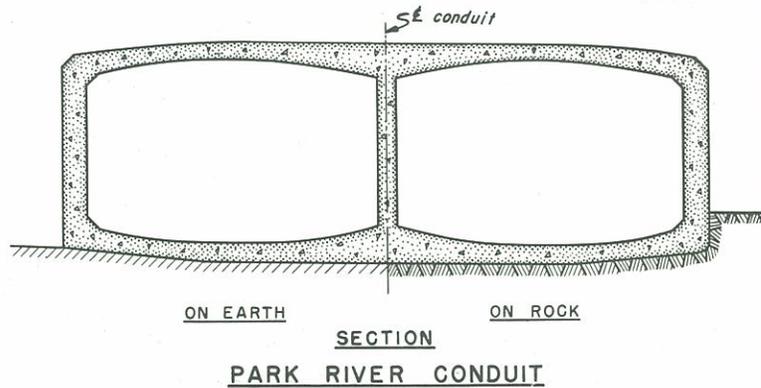
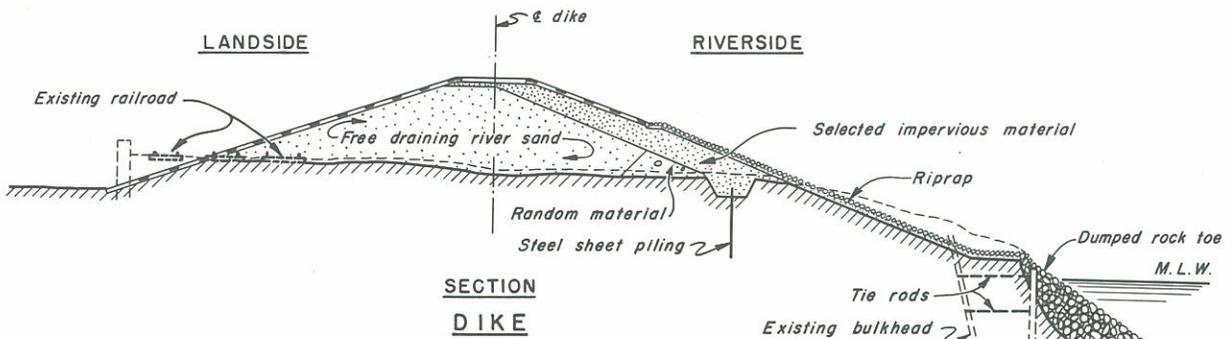
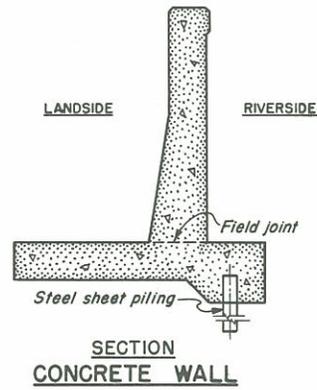
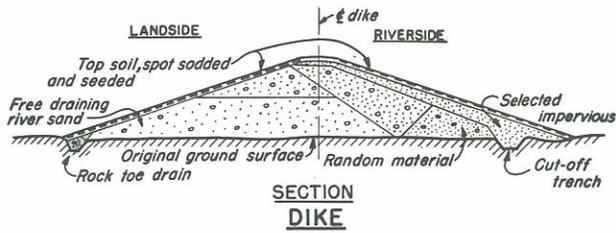


CONNECTICUT RIVER FLOOD CONTROL
HARTFORD, CONNECTICUT
 LOCAL PROTECTION PROJECT
 GENERAL PLAN
 30 SEPTEMBER 1984
 CONNECTICUT RIVER CONNECTICUT

SCALE IN FEET
 2000 0 2000 4000

NEW ENGLAND DIVISION WALTHAM, MASS.

C13a



CONNECTICUT RIVER BASIN

HARTFORD, CONN.

LOCAL PROTECTION PROJECT
PLAN AND SECTIONS

30 SEPTEMBER 1984

CONNECTICUT RIVER

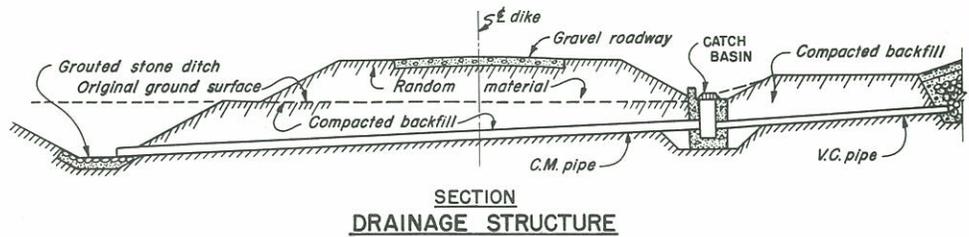
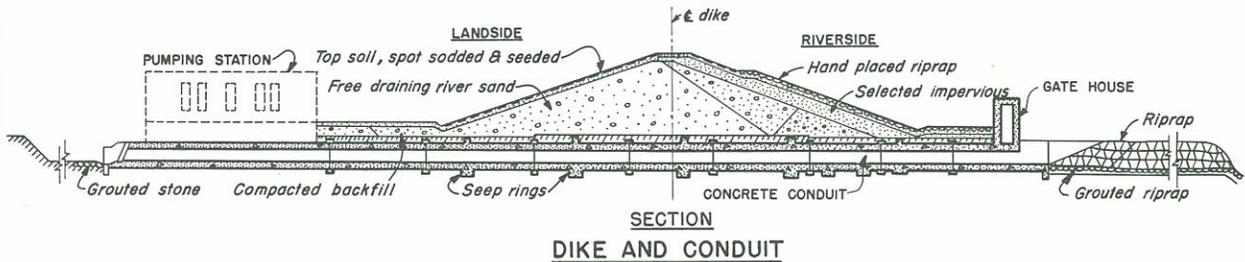
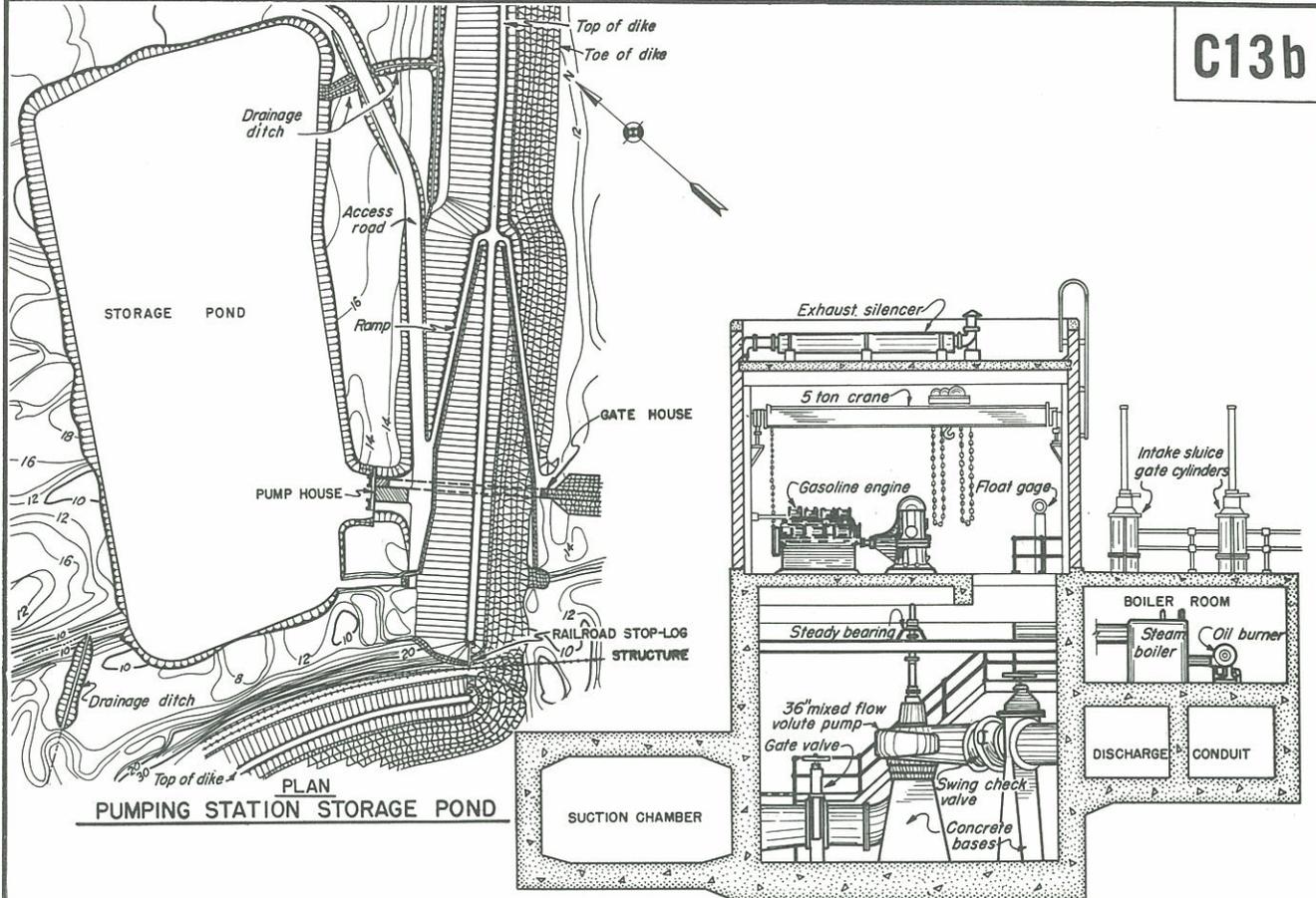
CONNECTICUT

NOT TO SCALE

NEW ENGLAND DIVISION

WALTHAM, MASS.

C13b



CONNECTICUT RIVER BASIN
HARTFORD, CONN.

LOCAL PROTECTION PROJECT
NORTH MEADOWS AREA
PLAN AND SECTIONS

30 SEPTEMBER 1976

PARK RIVER, HARTFORD, CONNECTICUT
CONNECTICUT RIVER BASIN FLOOD CONTROL PROJECT

Condition of Improvement, 30 September 1984

TYPE: Local Flood Protection - structural

LOCATION: On the Park River in the city of Hartford, Hartford County, Connecticut.

AUTHORIZATION: Authorized by the Congress on 13 August 1968 through the Flood Control Act of 1968.

PROTECTED AREA: This project is an integral part of the Hartford Local Flood Protection Project (Map C13). Protection is provided to a low level built-up area of Hartford from Connecticut River backwater and from floods caused by runoff from the Park River Basin. The function of the conduit is to discharge all flows; up to the design flow of 32,000 cfs, from the Park River Basin to the Connecticut River without damage to the area protected by the Hartford dike.

PROJECT FEATURES: Authorized as a modification to completed Hartford, Connecticut local protection project. Two sections of reinforced concrete conduit totalling 2,569 feet with width of 34 feet and height of 26.5 feet on the Park River; one section of reinforced concrete conduit 103 feet long, 36 feet wide and 27.5 feet high on the South Branch; two sections of reinforced concrete conduit 1,364 feet long, 22 feet wide and 25 feet high on the North Branch; a reinforced concrete junction structure to combine the flows from the North and South branches and distribute them to the Park River and auxiliary conduits and thence to the Connecticut River, circular auxiliary conduit approximately 9,200 feet long constructed as a deep tunnel in rock with an inside diameter of 22 feet and lined with 9-inch thick precast concrete, an inlet structure and an outlet structure; a concrete headwall at the entrance to the North Branch conduit extension; and two pumping station on the banks of the Park River.

LOCAL COOPERATION: Operated and maintained by the city of Hartford, Connecticut.

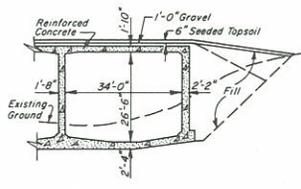
PROGRESS OF WORK:

construction started:	June 1976
construction completed:	July 1981

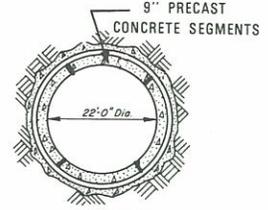
COST OF CONSTRUCTION: (estimated September 1983)

Federal:	
construction	\$58,877,000
Non-Federal:	
lands & damages	<u>1,300,000</u>
TOTAL	\$60,177,000

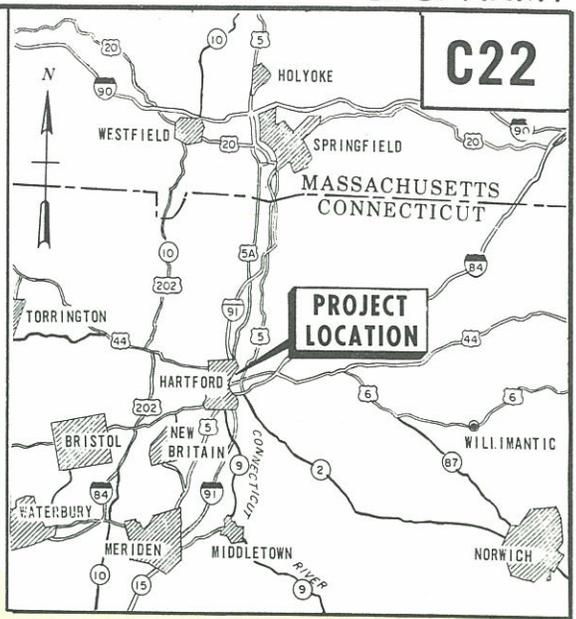
C22



**CONDUIT EXTENSION
TYPICAL HALF SECTION
(NOT TO SCALE)**

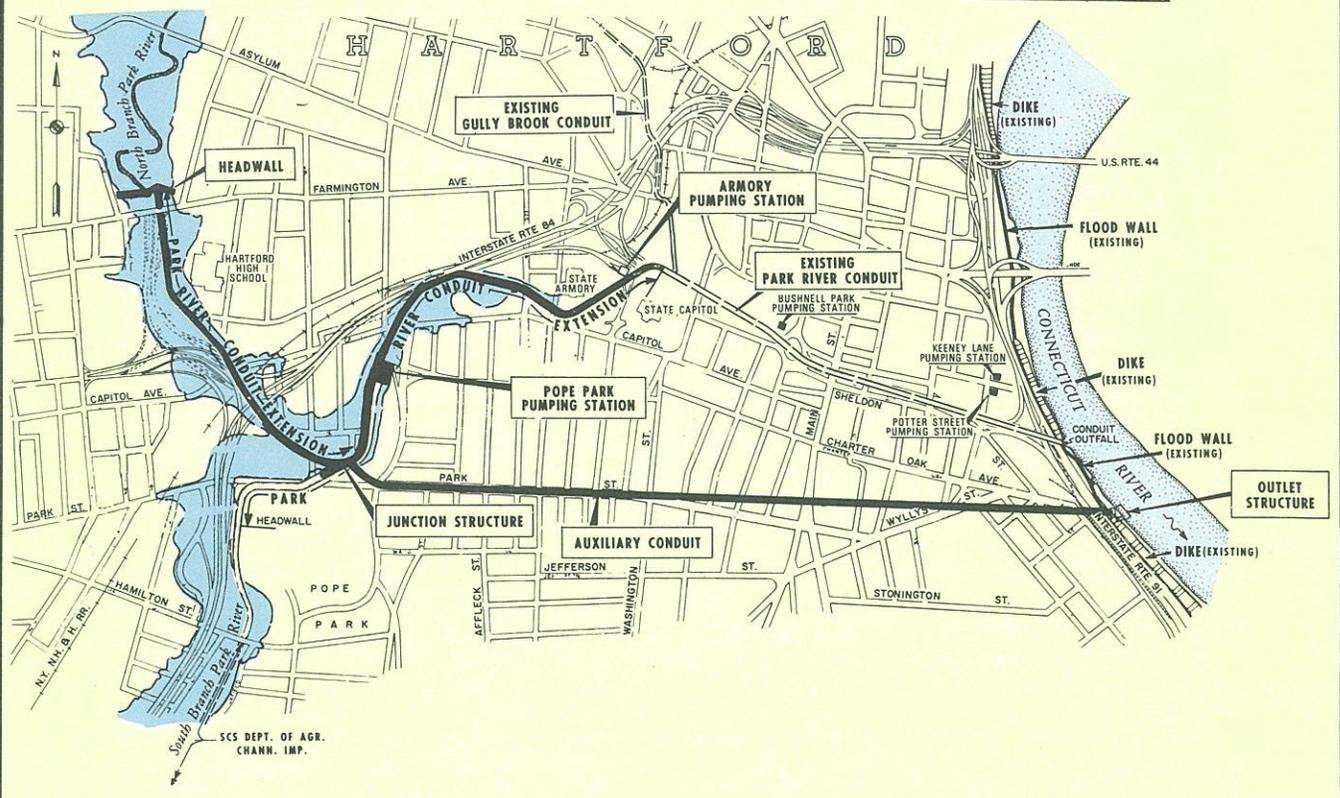


**SUPPORTED
AUXILIARY CONDUIT
TYPICAL SECTION - TUNNEL IN ROCK
(NOT TO SCALE)**



VICINITY MAP

SCALE IN MILES



CONNECTICUT RIVER BASIN

PARK RIVER

GENERAL PLAN
30 SEPTEMBER 1984

PARK RIVER HARTFORD, CONNECTICUT

SCALE IN FEET
500' 0 500' 1000'